

**THE CITY OF
PROVIDENCE, RHODE ISLAND**

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

FOR THE FISCAL YEAR

1935 - 1956

DEPARTMENT OF PUBLIC WORKS

DECEMBER 31, 1956

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 WORK DONE BY THE DEPARTMENT OF PUBLIC WORKS FOR THE YEAR ENDING SEPTEMBER 30, 1956 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	

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

"COORDINATED OUTDOOR SUBSTATION AT THE SEWAGE DISPOSAL PLANT" BY THE COKEN COMPANY.

"ALTERATIONS, RENEWALS AND IMPROVEMENTS TO THE GARBAGE INCINERATOR UNIT No.1" BY GEORGE ALLEN & SONS, INC.

"RELINING THE FURNACE, COMBUSTION CHAMBER AND BY-PASS CHAMBER OF THE GARBAGE INCINERATOR UNIT No.2" BY PENDERGAST BOILER SETTLING COMPANY.

"GARAGE, OFFICE AND REPAIR SHOP" FOR THE FORESTRY SECTION BY THE PETERSON CONSTRUCTION COMPANY.

"CONSTRUCTION OF POINT STREET, FROM PLAIN STREET TO FRIENDSHIP STREET" BY THE M.A. GAMMINO CONSTRUCTION COMPANY.

"RECONSTRUCTION OF HOPE STREET" BY THE STATE OF RHODE ISLAND AS A FEDERAL-AID PROJECT.

CONTRACT WORK WAS IN PROGRESS ON THE FOLLOWING PROJECTS:

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

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

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

PREPARATION OF PLANS AND SPECIFICATIONS AND THE SUPERVISION AND INSPECTION OF THE "ALTERATIONS TO AND CONSTRUCTION OF ADDITIONAL FACILITIES AT THE SEWAGE TREATMENT PLANT" BY METCALF AND EDDY.

"ALTERATIONS TO AND CONSTRUCTION OF ADDITIONAL FACILITIES AT THE SEWAGE TREATMENT PLANT" BY THE BAYLOR CONSTRUCTION CORPORATION. THE CONTRACT FOR DIVISION 1 OF THE PROJECT WAS EXECUTED ON MAY 23, 1956.

A CONTRACT WAS ENTERED INTO WITH THE NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY FOR THE INSTALLATION AND MAINTENANCE OF A TWO-WAY RADIO SYSTEM. TWENTY-TWO UNITS WERE INSTALLED, WITH A BASE STATION AT THE HIGHWAY YARD AND A REMOTE CONTROL STATION IN THE DIRECTOR'S OFFICE.

THE SYSTEM HAS BEEN OF MUCH BENEFIT TO THE OPERATION OF THE DEPARTMENT, ESPECIALLY DURING THE PLOWING AND REMOVAL OF SNOW AND THE SANDING OF HIGHWAYS.

HIGHWAY CONSTRUCTION CONSISTED OF THE SURFACING OR RESURFACING, WITH BITUMINOUS CONCRETE OF 112,493 SQUARE YARDS OF PAVEMENT BY CITY FORCES AND THE CONSTRUCTION OF 64,077 SQUARE YARDS OF BITUMINOUS MACADAM PAVEMENT IN NEW STREETS AND 5427.7 SQUARE YARDS OF SHEET ASPHALT PAVEMENT IN POINT STREET BY CONTRACT.

SEWER CONSTRUCTION CONSISTED OF THE BUILDING OF 2.65 MILES OF MAIN DRAINS, TOGETHER WITH LATERALS AND DRAINAGE STRUCTURES, IN SUNDRY STREETS BY CONTRACT.

OUR ENGINEERS HAVE ATTENDED MANY CONFERENCES RELATIVE TO THE NORTH-SOUTH FREEWAY, LOUISQUISSET PIKE AND OTHER HIGHWAY MATTERS, AND 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 THESE FEDERAL-AID PROJECTS, HAVE BEEN VERY CORDIAL AND WE APPRECIATE THE ADVICE, COOPERATION AND AID EXTENDED TO US.

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

I AM VERY GRATEFUL FOR AND APPRECIATIVE OF THE SPLENDID COOPERATION EXTENDED ME BY THE CITY COUNCIL COMMITTEE ON PUBLIC WORKS, COMPRISED OF CHAIRMAN RALPH MATERA, JOHN F. BROCK, WILLIAM A. GRAY, THOMAS L. PAYNE AND FRANK LAZARUS.

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

RECOMMENDATIONS

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

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

RENEW THE FENDER SYSTEM AT THE MUNICIPAL DOCK.

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

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

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

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

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

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

RESPECTFULLY SUBMITTED

Charles F. McElroy

CHARLES F. MCELROY

DIRECTOR OF PUBLIC WORKS.

CFM:MC.

IN CITY COUNCIL

FEB 21 1957

READ:

WHEREUPON IT IS ORDERED THAT
THE SAME BE RECEIVED.

D. Everett Whelan
CLERK

BUSINESS MANAGER

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

DEAR SIR:

I RESPECTFULLY SUBMIT THE ANNUAL REPORT OF THE BUSINESS MANAGEMENT OFFICE
OF THE DEPARTMENT OF PUBLIC WORKS FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1956.

STATEMENT OF REVENUE-ESTIMATED AND ACTUAL

	<u>BUDGET</u> <u>ESTIMATE</u>	<u>NET ACTUAL</u> <u>REVENUES</u>	<u>BUDGET</u> <u>EXCESS</u>	<u>COMPARISON</u> <u>DEFICIENCY</u>
BUSINESS AND NON-BUSINESS:				
LICENSES:				
SIDEWALK CONTRACTORS AND				
SEWER CONNECTIONS	700.00	710.00	10.00	--
HIGHWAY PRIVILEGES	800.00	1487.00	687.00	--
PUBLIC SERVICE ENGINEER	5000.00	4571.00	--	429.00
AIR POLLUTION AND SMOKE ABATEMENT	<u>3000.00</u>	<u>3383.00</u>	<u>383.00</u>	<u>--</u>
TOTAL BUSINESS-NON-BUSINESS LICENSES	\$9500.00	\$10151.00	\$1080.00	\$429.00
SPECIAL ASSESSMENTS:				
SEWERS	97061.29	97061.29	--	--
SIDEWALKS AND CURBING	<u>700.00</u>	<u>--</u>	<u>--</u>	<u>700.00</u>
TOTAL-SPECIAL ASSESSMENTS	\$97761.29	\$97061.29	--	\$700.00
DEPARTMENTAL REVENUE:				
ADMINISTRATION	--	55.00	55.00	--
SEWAGE PUMPING	--	143.76	143.76	--
SEWAGE DISPOSAL	--	2964.88	2964.88	--
GARBAGE COLLECTION AND DISPOSAL	8000.00	8913.99	913.99	--
REFUSE COLLECTION AND DISPOSAL	--	655.00	655.00	--
HIGHWAYS	24550.00	25939.64	1389.64	--
BRIDGE MAINTENANCE	--	317.54	317.54	--
FORESTRY	--	6441.07	6441.07	--
SEWER CONSTRUCTION AND MAINTENANCE	36000.00	40785.05	4785.05	--
PUBLIC BUILDINGS	--	688.25	688.25	--
STREET LIGHTING	--	95.07	95.07	--
MUNICIPAL DOCK	195000.00	217564.40	22564.40	--
HARBORS	<u>--</u>	<u>8.00</u>	<u>8.00</u>	<u>--</u>
TOTAL DEPARTMENTAL REVENUE	\$263550.00	\$304571.65	\$41021.65	--
TOTAL STATEMENT	\$370811.29	\$411783.94	\$42101.65	\$1129.00

STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1956

	PERSONAL SERVICES	SERVICES OTHER THAN PERSONAL	MATERIALS AND SUPPLIES	SPECIAL ITEMS	EQUIPMENT OUTLAY	STRUCTURES AND IMPROVEMENTS	TOTAL
GENERAL ADMINISTRATION	24403.60	1631.85	88.57	--	184.50	--	26308.52
BUSINESS MANAGEMENT	29790.10	299.94	647.86	--	177.50	--	30915.40
ENGINEERING OFFICE	122886.90	4322.85	687.18	--	252.50	--	128149.43
<u>SANITATION DIVISION</u>							
SANITATION ADMINISTRATION	10036.00	801.55	39.00	--	94.08	--	10970.63
STREET CLEANING	290270.88	78280.27	1893.55	--	--	--	370444.70
SEWAGE PUMPING STATION	49673.39	1252.02	17409.50	--	7222.00	--	75556.91
SEWAGE DISPOSAL	103853.55	9249.64	125194.31	--	--	--	238297.50
GARBAGE COLLECTION AND DISPOSAL	466386.56	174783.31	10798.22	--	--	--	651968.09
REFUSE COLLECTION AND DISPOSAL	84293.65	38803.27	72.86	--	--	--	123169.78
<u>CONSTRUCTION AND MAINTENANCE DIVISION:</u>							
CONSTRUCTION AND MAINTENANCE ADMINISTRATION	7072.00	784.00	5.27	--	--	--	7861.27
HIGHWAYS	649180.42	192862.51	93135.25	--	1020.07	150000.00	1086208.25
BRIDGE MAINTENANCE	41579.60	2824.22	3340.08	--	--	--	47743.90
SIDEWALKS AND CURBING	15453.94	1868.72	512.56	--	400.84	--	18236.06
FORESTRY	62071.12	12418.52	4671.57	--	22.18	--	79183.39
SNOW REMOVAL	129900.21	74886.37	43340.28	--	--	--	248126.86
SEWER CONSTRUCTION AND MAINTENANCE	272678.94	55772.82	14144.23	--	197.50	--	342793.49
PUBLIC BUILDINGS	68663.91	10857.68	947.79	--	1082.89	--	81552.27
<u>PUBLIC SERVICE DIVISION:</u>							
PUBLIC SERVICE ADMINISTRATION	13806.00	1338.85	40.57	--	--	--	15185.42
ELECTRIC INSPECTOR	18512.00	3111.49	134.56	--	--	--	21758.05
STREET LIGHTING	3705.00	463879.56	--	--	--	--	467584.56
AIR POLLUTION AND SMOKE ABATEMENT	27560.00	2523.15	126.98	--	187.50	--	30397.63
MUNICIPAL DOCK	32078.33	9784.15	2019.36	--	--	150000.00	193281.84
DRAW BRIDGE OPERATION	53798.02	1080.00	670.71	--	--	--	55548.73
HARBOR MASTER	3928.50	180.67	143.52	--	--	--	4252.69
TOTAL - PUBLIC WORKS ACTIVITIES	\$2581592.62	\$1142997.41	\$320063.78	--	\$10841.56	\$300000.00	\$4355495.37

THE FOLLOWING SERVICES WERE ALSO RENDERED BY THIS DEPARTMENT

APPLICATIONS RECEIVED

FOR ALTERING DRIVEWAYS	120
CONSTRUCTION OF DRIVEWAYS	172
CURBING RESETS	<u>72</u>
TOTAL APPLICATIONS	364

LICENSES ISSUED

PUSH CARTS	22
SIDEWALK STANDS	50
DRAIN LAYERS LICENSES	7
DRAIN LAYERS LICENSES LIMITED TO SPRINKLER SYSTEMS	<u>4</u>
TOTAL LICENSES	83

PERMITS ISSUED

PUBLIC UTILITIES	117
BLASTING	6
FOR MOVING CUMBERSOME EQUIPMENT, ETC.	48
STREET OPENINGS (WATER SUPPLY BOARD)	345
ORIGINAL PERMITS FOR SEWER CONNECTIONS	311
EXTENSION OF HOUSE DRAINS	273
SIDEWALK OPENINGS FOR WATER SERVICE	<u>17</u>
TOTAL PERMITS	1117

RESPECTFULLY SUBMITTED

JOHN V. DAVIDSON
BUSINESS MANAGER.

ENGINEERING OFFICE

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

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING THE VARIOUS ACTIVITIES OF THE
ENGINEERING OFFICE FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1956:

THE EXPENDITURES OF THE DIVISION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$122,886.90
ITEM 1 SERVICES OTHER THAN PERSONAL	4,322.85
ITEM 2 MATERIALS AND SUPPLIES	687.18
ITEM 5 CAPITAL OUTLAY	<u>252.50</u>
TOTAL	\$128,149.43

STREET LINE AND CITY PROPERTY SECTION

NOTICES OF INTENTION TO BUILD

THERE WERE 287 NOTICES OF INTENTION TO BUILD FILED IN THIS OFFICE DURING THE FISCAL YEAR. FIFTEEN OF THESE WERE NOT REQUIRED FOR VARIOUS REASONS. IN RESPONSE TO THE REMAINING 272 NOTICES, THE STREET LINES WERE MARKED ON THE GROUND AS REQUESTED FOR THE SPECIFIED LOCATIONS.

FIELD SURVEYS OF 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 ON THE GROUND FOR THE CONSTRUCTION OF NEW SEWERS WHEN REQUESTED BY THE SEWER SECTION OF THE ENGINEERING OFFICE.

IN THE FIELDS POINT AREA THE LEASE LINES OF THE SUN OIL COMPANY WERE MARKED, ELEVATIONS WERE TAKEN IN THE AREA ADJACENT TO THE DOCK, THE LINES OF SHIPYARD STREET AND HARBORSIDE BOULEVARD WERE RUN OUT AND THE CITY LINE WAS RUN IN THE VICINITY OF HARBORSIDE BOULEVARD.

STREET LINE INFORMATION WAS FURNISHED ENGINEERS FOR THE STATE OF RHODE ISLAND IN CONJUNCTION WITH THEIR WORK ON THE NORTH-SOUTH FREEWAY.

THE FOLLOWING STREETS WERE RECEIVED BY THE CITY COUNCIL UNDER THE VARIOUS FORMS GOVERNING THE ACCEPTANCE OF STREETS DURING THE YEARS:

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
BALTIMORE STREET	MANTON AVE. TO LEANDER STREET	732.96
BATCHELLER AVENUE	ARGOL ST. TO SILVER SPRING STREET	829.97
BRADLEY STREET	RIVER AVE. TO CUMBERLAND STREET	430.00
CLEMATIS STREET	GLOVER ST. TO MOLLOY STREET	434.10
DEFOE PLACE	ANGLE NORTH OF ANGELL ST. TO CONGDON STREET	239.43
DOROTHY AVENUE	LANGDON ST. TO WESTERLY LINE OF ROBIN BROOK SEWER LAND	509.65
EDGEWORTH AVENUE	ARGOL ST. 480 FEET WESTERLY	480.00

FAIR STREET	HAZAEI ST. TO PHEBE STREET	400.00
FREEZE STREET	BOLTON AVE. TO FARM STREET	320.28
FUNSTON AVENUE	EASTERLY LINE CLOVE ST. TO PORTION RECEIVED	924.19
GLOSSOP STREET, WOONASQUATUCKET AVE. TO FRUIT HILL AVENUE		557.90
JOHNSON STREET	EDDY ST. TO ERNEST STREET	1127.88
LAWN STREET	METROPOLITAN ROAD TO WHITFORD AVENUE	429.64
LUBEC STREET	HAVANA ST. TO CITY LINE	697.20
LUBEC STREET	HAVANA ST. EASTERLY TO PORTION RECEIVED	248.11
MUTUAL STREET	EDDY ST. TO ALLENS AVENUE	1266.98
OAK STREET	AGNES ST. TO TROY STREET	287.00
PLYMOUTH STREET	POTTERS AVE. TO HUNTINGTON AVENUE	580.27
RALSTON STREET	LANGDON ST. TO STANHOPE STREET	537.61
REDWOOD STREET	HUXLEY AVE. TO WESTERLY TERMINATION	223.09
SEEKONK STREET	WAYLAND AVE. TO BUTLER AVENUE	745.32
UNNAMED STREET	FORMER WHITFORD FARM LAND TO SMITH STREET (CONDEMNATION)	182.90
WAITE STREET	ADMIRAL ST. TO GENERAL STREET	1176.02
	TOTAL (FEET) OR 2.580 MILES	<u>13360.50</u>

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR:

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
CASWELL COURT	PRAIRIE AVE. TO WILLARD AVE. AND WILLARD AVENUE SOUTHERLY	310.00
DEFOE PLACE	ANGELL ST. TO FONES ALLEY	126.29
FONES ALLEY	DEFOE PLACE EASTERLY	90.20
HARBORSIDE BOULEVARD	SMALL TRIANGULAR PORTION NEAR CITY LINE	--
SHIPYARD STREET	CURVE SOUTH OF NEW YORK AVE. TO CITY LINE	1419.12
UNION STREET	SABIN ST. TO FOUNTAIN STREET	128.73
WILLARD AVENUE	PRAIRIE AVE. EASTERLY	251.95
	TOTAL (FEET)	<u>2326.29</u>

THE APPROXIMATE LENGTH OF STREETS PLATTED BUT NOT RECEIVED IS 57.262 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 1956 (MEASURED ALONG PROPERTY LINES) 364.825 MILES.

RUTH STREET AND A PORTION OF THE NEW STREET EXTENDING FROM SMITH STREET TO SHARON STREET WERE ADDED TO THE LIST OF UNACCEPTED STREETS AND THE REMAINING PORTION OF THE NEW STREET WAS ADDED TO THE LIST OF ACCEPTED STREETS BY VIRTUE OF ITS CONDEMNATION FOR HIGHWAY PURPOSES.

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

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

ESEK HOPKINS JUNIOR HIGH SCHOOL (ADJACENT)	CROSS SECTION
BRANCH AVENUE AND LANGDON STREET	STUDY PLAN
UNNAMED STREET FROM SMITH ST. NORTHERLY	CONDEMNATION
DOUGLAS AVENUE FIRE STATION	PROPOSED SALE
UNNAMED STREET SHARON STREET SOUTHERLY	PROPOSED EXTENSION
UNNAMED STREET SHARON ST. SOUTHERLY	RECORD MAP
MUNICIPAL DOCK, FIELDS POINT	N.E.T. & T.CO. LOCATION PLAN
KNIGHT AND CODDING STREETS	CONDEMNATION FOR PARK AND PLAYGROUND PURPOSES

KNIGHT AND CODDING STREETS	RECORD MAP
ATWELLS AVENUE SCHOOL	PROPOSED LEASE
AMERICA STREET SCHOOL	PROPOSED LEASE
WASHINGTON BRIDGEWAY	PROPOSED SALE
WASHINGTON BRIDGEWAY	PROPOSED SALE
WASHINGTON BRIDGEWAY	PROPOSED SALE
NIAGARA AND RODMAN STREETS	PROPOSED PURCHASE
HARRISON STREET FIRE STATION	RADIUS PLAN
AMERICA STREET SCHOOL	RADIUS PLAN
SALEM STREET (PORTION)	PROPOSED ABANDONMENT
VICKSBURG STREET (PORTION)	PROPOSED ABANDONMENT
CALHOUN AVENUE SCHOOL	RADIUS PLAT PLAN
LUBEC STREET	LAND REQUIRED FOR EXTENSION
GLOUCESTER STREET	PROPOSED EXTENSION
HOPKINS PARK (PORTION)	PROPOSED SALE
UNION STREET (PORTION)	PROPOSED ABANDONMENT
GREENWICH STREET FIRE STATION	PROPOSED LEASE
CHALKSTONE AVENUE (PORTION OBADIAH BROWN FARM)	PROPOSED SALE
HYAT STREET	PROPOSED PURCHASE
HYAT STREET	PROPOSED PURCHASE
CHARLES STREET (ADJACENT TO ESEK HOPKINS SCHOOL)	PROPOSED PURCHASE
FIELDS POINT (DUTTON LUMBER CO)	LEASE RENEWAL
DEFOE PLACE AND FONES ALLEY	PROPOSED ABANDONMENT
SHIPYARD STREET	DEED FOR HIGHWAY PURPOSES
SHIPYARD STREET (PORTION)	PROPOSED ABANDONMENT
WILLARD AVENUE (PORTION)	PROPOSED ABANDONMENT
CHALKSTONE AVENUE SCHOOL	RADIUS PLAN
CODDING AND KNIGHT STREETS	PROPOSED LEASE
CARPENTER AND PALLAS STREETS	RADIUS PLAN
PUBLIC STREET AND GOLEMDA LANE	PROPOSED SALE
ATWELLS AVENUE AND AMERICA STREET FIRE STATION	PROPOSED SALE
FURLONG COURT AND BOULSTON LANE	PROPOSED ABANDONMENT

NUMEROUS PLANS WERE DRAWN DURING THE YEAR TO ASSIST THE CITY COUNCIL IN PASSING ON PROPOSED CHANGES IN THE ZONING MAP AS PETITIONED BY VARIOUS PERSONS. THE FOLLOWING AMENDMENTS HAVE BEEN APPROVED:

RESERVOIR AVENUE (OPPOSITE DELMAR AVENUE)	DUKE STREET
ANGELL STREET FROM STIMSON AVENUE	WHITTAKER STREET
POTTER FACTORY LOT (MASHA PAUG POND)	GEDAR STREET
PONTIAC STREET	RIDGE STREET
MANTON AVENUE	ALGER AVENUE
PRAIRIE AVENUE AND BLACKSTONE STREET	MANTON AVENUE
BALDO AVENUE, WEST EXCHANGE AND DEAN STREETS	SMITH AND ORMS STREETS
ETNA, CLEVELAND AND HEATH STREETS	CHARLES AND SILVER SPRING STREETS

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

NORTH BURIAL GROUND

DURING THE YEAR 52 DEEDS TO LOTS CONVEYED BY THE CITY AND 52 CERTIFICATES OF PERPETUAL CARE HAVE BEEN DRAWN UP. DESCRIPTIONS OF THE LOTS WERE FURNISHED THE SUPERINTENDENT, FIELD SURVEYS WERE MADE AND LOTS STAKED OUT ON THE GROUND WHEN REQUESTED.

GENERAL

ELEVATIONS WERE TAKEN AT PLAYGROUND SITE ON CODDING STREET AND FOX POINT VETERANS' MEMORIAL PARK ON GAND STREET

GRADES WERE WORKED OUT AND MARKED ON THE GROUND FOR THE LITTLE LEAGUE FIELD NEAR HAWKINS STREET.

THE MAGNETIC VARIATION OF THE COMPASS WAS OBSERVED AND RECORDED.

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

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

RESOLUTIONS WERE DRAFTED FOR THE CITY COUNCIL, COVERING ALL ACTIONS RELATING TO THE ACCEPTANCE AND ABANDONMENTS OF STREETS, DEFINING GRADES AND GRADING AND CURBING STREETS.

PLATS PRESENTED FOR RECORD HAVE BEEN COMPARED FOR THE RECORDER OF DEEDS OFFICE AND PLATS FOR RECORDING HAVE BEEN FURNISHED THE RECORDER'S OFFICE UNDER THE PROVISIONS OF CHAPTERS 987 AND 2118 OF THE PUBLIC LAWS.

DESCRIPTIONS OF LAND TAKEN BY CONDEMNATION FOR HIGHWAYS AND PARK PURPOSES AND FOR INCORPORATION IN DEEDS OF LAND PURCHASED OR SOLD, LEASES AND RIGHTS OF WAY TO AND FROM THE CITY, THE METHODS BY WHICH VARIOUS PROPERTIES WERE ACQUIRED, THE PURPOSE OF ORIGINAL PURCHASE AND PRESENT STATUS WERE FURNISHED TO THE LAW DEPARTMENT AND OTHER ASSISTANCE RENDERED AS REQUESTED.

ENGINEERING ASSISTANCE WAS GIVEN TO THE PUBLIC BUILDINGS DIVISION, POLICE DEPARTMENT, CITY PLAN COMMISSION, TRAFFIC DIVISION, BOARD OF CANVASSERS AND CITY CLERK'S OFFICE, FROM TIME TO TIME.

THE R.L.POLK MAP AND OTHER MAPS OF THE CITY PUBLISHED BY VARIOUS COMPANIES WERE REVISED AS TO CHANGES IN STREET NAMES AND POINTS OF INTEREST, NEW STREET ADDITIONS OR ADANDONMENTS 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 TWENTY FIVE STREETS COVERING THIRTY THREE 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 0.53 MILES HAVE BEEN MADE FOR THE PURPOSE OF DEFINING GRADES. THE CONTOURS OF THE CENTER AND SIDE LINES ARE SHOWN AT FIFTY FOOT STATIONS, ALSO THE LEVELS OF THE SILLS AND GROUND LINES OF THE

HOUSES ADJOINING THE STREETS. THE PLAN ACCOMPANYING THE PROFILE SHOWS DIVISION OF ESTATES, OWNERSHIP AND HOUSES.

STREET GRADING. ABUTTING OWNERS; GRADES IN SUNDRY STREETS HAVE BEEN MARKED OUT AT INTERVALS OF ABOUT FIFTY FEET FOR STREET GRADING OR FOR THE BENEFIT OF INDIVIDUALS OWNING ABUTTING PROPERTY.

ASSESSMENTS. THE HIGHWAY SECTION COMPUTES ASSESSMENTS FOR CURBING AND GRADING.

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

PLANS AND SPECIFICATIONS, ENGINEERING FIELD WORK AND INSPECTION WERE FURNISHED FOR THE CONSTRUCTION OR THE RECONSTRUCTION OF THE FOLLOWING STREETS BY THE CONSTRUCTION AND MAINTENANCE DIVISION, HIGHWAY SECTION:

<u>STREET</u>	<u>(TYPE-BITUMINOUS CONCRETE)</u>	<u>SQ. YDS.</u>
ACADEMY AVENUE	SMITH ST. TO MINK ROAD	7307
ALTON ROAD	UPTON AVE. TO TERMINATION	2245
BEVELIN STREET	ALTON ROAD TO COLE AVENUE	888
BEVERLY STREET	FOUNTAIN ST. TO MASON STREET	200
BOYLSTON STREET	OLNEY ST. TO MASON STREET	2280
CANTON STREET	CHALKSTONE AVE. TO PLEASANT VALLEY PARKWAY	2251
CATHEDRAL AVENUE	SMITH ST. TO MT. PLEASANT AVENUE	4239
CHALKSTONE AVENUE	WINTHROP AVE. TO MANTON AVENUE	17070
COLE FARM COURT	COLE AVE. TO TERMINATION	1016
CONGDON STREET	JENKES ST. TO HIDDEN STREET	2366
CYPRESS STREET	MORRIS AVE. TO CAMP STREET	4944
ELMHURST AVENUE	SMITH ST. TO EATON STREET	3012
ENFIELD AVENUE	SMITH ST. TO NAPLES AVENUE	5569
HARIAN STREET	ALTON RD. TO COLE AVENUE	883
HILLSIDE AVENUE	NORTH MAIN ST. TO CITY LINE	4086
JASTRAM STREET	SMITH ST. TO WALTON STREET	4502
MERIDIAN STREET	SMITH ST. TO WALTON STREET	3370
MINK ROAD	ACADEMY AVE. TO SHARON STREET	2432
MONTAGUE STREET	HOPE ST. TO MORRIS AVENUE	1753
NELSON STREET	EATON ST. TO PLEASANT VALLEY PARKWAY	6865
PATERSON STREET	SOUTH ANGELL ST. TO EAST ORCHARD AVENUE	4263
SALTER STREET	ACADEMY AVE. TO SHARON STREET	1785
SARGENT AVENUE	MORRIS AVE. TO ELMGROVE AVENUE	2434
SHARON STREET	ADMIRAL ST. TO EATON STREET	7154
SHARON STREET	SMITH ST. TO PLEASANT VALLEY PARKWAY	7500
SESSIONS STREET	MORRIS AVE. TO TABER AVENUE	3621
UNIT STREET	CHALKSTONE AVE. TO MANTON AVENUE	6655
WALTON STREET	ACADEMY AVE. TO SHARON STREET	1803
	TOTAL	112493

SPECIAL HIGHWAY CONSTRUCTION BY CITY OF PROVIDENCE UNDER CONTRACT:

<u>STREET</u>	<u>SQ. YDS.</u>	<u>TYPE</u>
POINT STREET, PLAIN STREET TO FRIENDSHIP STREET, INCLUDING INTERSECTION OF FRIENDSHIP STREET	5427.7	SHEET ASPHALT

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

<u>STREET</u>	<u>TYPE (BITUMINOUS MACADAM)</u>	<u>SQ. YDS</u>
ANGELO AVENUE	LEO AVE. TO CITY LINE	1593
BARDEN STREET	MELISSA ST. TO PONAGANSETT AVENUE	1389
BRADLEY STREET	RIVER AVE. TO CUMBERLAND STREET	1255
CARL STREET	MANTON AVE. TO EASTERLY TERMINATION	493
CLEMATIS STREET	GLOVER ST. TO MOLLOY STREET	1238
CLOVE STREET	TEXAS AVE. TO ISABELLA AVENUE	945
DIXON STREET	STAMFORD AVE. TO ROGER WILLIAMS PARK	596
DRILL STREET	HILLVIEW AVE. TO SHARON STREET	995
EDENDALE AVENUE	FRUIT HILL AVE. TO EASTERLY TERMINATION	1896
ENFIELD AVENUE	NAPLES AVE. TO ISABELLA AVENUE	767
ERIE STREET	SHARON ST. TO ROME AVENUE	2516
FALCONER STREET	SINCLAIR AVE. TO RUTHERGLEN AVENUE	703
FREESE STREET	BOLTON AVE. TO FARM STREET	931
FUNSTON AVENUE	END OF RECEIVED PORTION TO CLOVE STREET	2322
GALLILEO AVENUE	CHALKSTONE AVE. TO POINTNORTHERLY	1402
ISABELLA AVENUE	ENFIELD AVE. TO SHARON STREET	3867
JOHNSON STREET	EDDY ST. TO ERNEST STREET	3106
LEO AVENUE	LANGDON ST. TO CHARLES STREET	2391
LUBEC STREET	DOUGLAS AVE. TO POINT WESTERLY	1371
MACGREGOR STREET	LANGDON ST. TO STANHOPE STREET	1549
MANHATTAN STREET	LANGDON ST. TO STANHOPE STREET	1260
MILLARD STREET	NEBRASKA ST. TO PAVILION AVENUE	521
MINTO STREET	BOLTON AVE. TO FARM STREET	1093
MUTUAL STREET	EDDY ST. TO POE STREET	2540
RAPHAEL AVENUE	LANGDON ST. TO CHARLES STREET	2188
SAMOSSET AVENUE	CHALKSTONE AVE. TO SOUTH LINE GAGE STREET	1960
SEEKONK STREET	WAYLAND AVE. TO BUTLER AVENUE	3193
SEYMOUR STREET	EDDY ST. TO ALLENS AVENUE	3743
SINCLAIR AVENUE	ALEXANDER ST. TO EASTERLY TERMINATION	1844
SPRINGFIELD STREET	HARTFORD AVE. TO SOUTH LINE THORNTON STREET	2214
SUNSET AVENUE	KILLINGLY ST. TO CITY LINE	5769
TICKNOR STREET	SIBSON ST. TO RUSHMORE AVENUE	874
UDELL STREET	LANGDON ST. TO STANHOPE STREET	1613
VICTOR EMANUEL AVENUE	LANGDON ST. TO STANHOPE STREET	925
VICTORIA STREET	CHALKSTONE AVE. TO SOUTH LINE GAGE STREET	1993
WEBB STREET	WHITFORD AVE. TO METROPOLITAN ROAD	1022
	TOTAL	64077

CONSTRUCTION WAS IN PROGRESS IN THE FOLLOWING STREETS ON SEPTEMBER 30, 1956:

BALTIMORE STREET, MANTON AVENUE TO LEANDER STREET
 BATCHELLER AVENUE, ARGOL STREET TO SILVER SPRING STREET
 EDGEWORTH AVENUE, ARGOL STREET TO POINT 448 FT. WESTERLY
 ELGIN STREET, HOPE STREET TO IVY STREET
 FAIR STREET, HAZAEL STREET TO PHEBE STREET
 GRAY STREET, FOWLER STREET TO CHALKSTONE AVENUE
 LAWN STREET, METROPOLITAN ROAD TO WHITFORD AVENUE
 LEAH STREET, ATWELLS AVENUE TO FAIRVIEW STREET
 LUBEC STREET, END OF PAVED PORTION TO CITY LINE
 METROPOLITAN ROAD, WEBB STREET TO MT. PLEASANT AVENUE
 MUTUAL STREET, POE STREET TO ALLENS AVENUE
 PETTIS STREET, NORTH MAIN STREET TO NICHOLS STREET
 RALSTON STREET, LANGDON STREET TO STANHOPE STREET

REDWOOD STREET, HUXLEY AVENUE TO TERMINATION
 SEAMANS STREET, DOUGLAS AVENUE TO ADMIRAL STREET
 WAITE STREET, ADMIRAL STREET TO GENERAL STREET

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

<u>STREET</u>	<u>CURB ORDERED</u>	<u>LENGTH IN FEET</u>
BALMORAL AVENUE, RIVER AVENUE TO TERMINATION	DEC.6,1954	393
CRARY STREET, ALLENS AVE. TO EAST LINE UNNAMED STREET	DEC.5,1940	276
CUTLER STREET, NEWARK STREET TO ATWELLS AVENUE	AUG.7,1952	206
DEFOE PLACE, CONGDON STREET TO ANGLE	SEP.7,1956	257
DOROTHY AVENUE, LANGDON STREET TO WEST LINE ROBIN BROOK	MAY18,1956	528
FALCONER STREET, ROUNDS AVENUE TO RUTHERGLEN AVENUE	SEP10,1956	245
GLOSSOP STREET, WOONASQUATUCKET AVE. TO FRUIT HILL AVE.	JUL.9,1956	574
JOY STREET, RIVER AVENUE TO WESTERLY TERMINATION	DEC.6,1954	400
LEHIGH STREET, POE STREET TO ALLENS AVENUE	APR.8,1955	478
OAK STREET, AGNES ST. TO TROY STREET	JUL.9,1956	303
PLYMOUTH STREET, POTTERS AVE. TO HUNTINGTON AVE.	JUL.9,1956	598
POE STREET, SEYMOUR ST. TO LEHIGH STREET	APR.8,1955	220
TRAINOR STREET, ACORN STREET TO BALBO AVENUE	JUN20,1935	249
UNNAMED PLATTED STREET, CRARY ST. TO GLOBE ST.	DEC.5,1940	117
TOTAL		4844

PETITIONS TO HAVE GRADE DEFINED

<u>DATE</u>	<u>STREET AND LOCATION</u>
FEB 7, 1952	STANSBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
AUG. 7, 1952	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
AUG. 7, 1952	STOCKTON STREET, FROM DART ST. TO ITS EASTERLY TERMINATION
AUG. 7, 1952	GLOUCESTER STREET, FROM ADMIRAL ST. TO SUNDURY STREET
OCT. 2, 1952	OKIE STREET, FROM BATH ST. TO ITS TERMINATION
DEC. 4, 1952	GREELEY STREET, FROM HAGAN ST. TO ALASKA STREET
APR. 16, 1953	MYRA STREET, FROM KILLINGLY ST. TO BOUNDARY AVENUE
APR. 16, 1953	STELLA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
OCT. 15, 1953	WEST STREET, FROM BELKNAP ST. TO GARGILL STREET
JAN. 21, 1954	WEST PARK STREET, FROM CALVERLEY ST. TO NORTHERLY TERMINATION
FEB. 18, 1954	RUSSO STREET, FROM SOCIAL ST. TO PAUL STREET
FEB. 18, 1954	QUARRY STREET, FROM CHARLES ST. TO TERMINATION
MAY 6, 1954	ST. THOMAS STREET, FROM FRUIT HILL AVE. TO TARANTO STREET
MAY 6, 1954	COMET STREET, FROM SWISS ST. TO GESLER STREET
JULY 1, 1954	BULLOCK AVENUE, FROM DUNBAR ST. TO CITY LINE
SEPT. 2, 1954	KLONDIKE STREET, FROM HERSCHEL ST. TO 62 KLONDIKE STREET
SEPT. 2, 1954	GROTON STREET, FROM DURFEE ST. TO POWHATAN STREET
NOV. 2, 1954	SMART STREET, WINDMILL ST. TO ARGOL STREET
JAN. 20, 1955	ADIE STREET, FROM ATWELLS AVE. TO CEDAR STREET
FEB. 17, 1955	OPHELIA STREET, FROM HARTFORD AVE. TO ELIZA STREET
APR. 21, 1955	LANCASHIRE ST. FROM DOUGLAS AVE. TO 250± FT. EASTERLY
MAY 5, 1955	PARK ROW, FROM EDGEWOOD BOULEVARD SOUTHERLY TO CRANSTON CITY LINE
MAY 19, 1955	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
JUNE 2, 1955	ARGOL STREET, FROM EDGEWORTH AVE. TO NELLIE STREET
JUNE 2, 1955	AUMOND STREET, FROM EDGEWOOD BLVD. TO CITY LINE
JULY 7, 1955	VESPUCCI STREET, FROM DOUGLAS AVE. TO FERNANDO STREET
JULY 7, 1955	HILLCREST AVENUE, FROM SOUTHERLY LINE FREEDOM ROAD TO SOUTH LINE CARVEL STREET
AUG. 4, 1955	POE STREET, FROM OXFORD ST. TO SEYMOUR STREET
SEPT. 1, 1955	QUEEN STREET, FROM LAUREL HILL AVE. TO ITS NORTHERLY TERMINATION

NOV.	3, 1955	HYMER STREET, FROM GRANDALL ST. TO SEAMANS STREET
DEC.	1, 1955	WALLACE STREET, FROM CUMERFORD ST. TO ATWOOD STREET
DEC.	1, 1955	DERRY STREET, FROM OREGON ST. TO GEOFFREYS COURT
DEC.	1, 1955	SHARON STREET, FROM EATON ST. TO SOUTH LINE OF UNNAMED STREET
DEC.	1, 1955	UNNAMED STREET, FROM SHARON ST. TO LAND OF CITY OF PROVIDENCE
DEC.	15, 1955	JASPER STREET, FROM CHARLES ST. TO PARENTE STREET
FEB.	2, 1956	HARMONY DRIVE, FROM CHALKSTONE AVE. ABOUT 280 FT. SOUTHERLY
MAY	3, 1956	STUKELY STREET, FROM HARTFORD AVE. TO #41 STUKELY STREET
MAY	3, 1956	WESTMORE STREET, FROM NIANTIC AVE. TO LAKEVIEW DRIVE
MAY	3, 1956	MEDWAY STREET, FROM BUTLER AVE. TO 700 FT. WEST OF EAST RIVER STREET
JUNE	7, 1956	MONTICELLO STREET, FROM OPPER ST. TO ROBIN BROOK SEWER
JULY	5, 1956	RIVERDALE STREET, FROM MANTON AVE. TO ITS NORTHERLY TERMINATION
AUG.	2, 1956	FLOWER STREET, FROM HARTFORD AVE. TO ITS NORTHERLY TERMINATION
AUG.	2, 1956	LIDIA STREET, FROM FARMINGTON AVE. TO ITS TERMINATION
AUG.	2, 1956	VINCENT STREET, FROM HUXLEY AVE. TO ITS DEAD END
SEPT.	6, 1956	NEWBURY STREET, FROM LANGDON ST. TO ITS TERMINATION
SEPT.	6, 1956	MINNESOTA STREET, FROM WOODWARD ROAD TO ITS TERMINATION

PETITIONED FOR CURBING AND GRADING

<u>DATE</u>	<u>STREET AND LOCATION</u>	
FEB.	7, 1952	STANSBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
AUG.	7, 1952	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
AUG.	7, 1952	STOCKTON STREET, FROM DART ST. TO ITS EASTERLY TERMINATION
AUG.	7, 1952	GLOUSTER STREET, FROM ADMIRAL ST. TO SUNDURY STREET
OCT.	2, 1952	OKIE STREET, FROM BATH ST. TO ITS TERMINATION
DEC.	4, 1952	GREELEY STREET, FROM HAGAN ST. TO ALASKA STREET
APR.	16, 1953	MYRA STREET, FROM KILLINGLY ST. TO BOUNDARY AVENUE
APR.	16, 1953	STELLA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
JULY	16, 1953	BALCH STREET, FROM NIANTIC AVE. TO CALHOUN AVENUE
JULY	16, 1953	FRANKFORT STREET, FROM BURRINGTON ST. TO BALCH STREET
JULY	16, 1953	TYLER STREET, FROM NIANTIC AVE. TO FAITH STREET
SEPT.	3, 1953	NAHANT STREET, FROM RUSSO ST. TO OPPER STREET
DEC.	3, 1953	DANDY STREET, FROM WINDMILL ST. TO TERMINATION
JAN.	21, 1954	WEST PARK STREET, FROM CALVERLEY ST. TO NORTHERLY TERMINATION
FEB.	18, 1954	RUSSO STREET, FROM SOCIAL ST. TO PAUL STREET
FEB.	18, 1954	QUARRY STREET, FROM CHARLES ST. TO TERMINATION
MAY	6, 1954	ST. THOMAS STREET, FROM FRUIT HILL AVE. TO TARANTO STREET
MAY	6, 1954	COMET STREET, FROM SWISS ST. TO GESLER STREET
JULY	1, 1954	BULLOCK AVENUE, FROM DUNDAR AVE. TO CITY LINE
SEPT.	2, 1954	KLONDIKE STREET, FROM HERSCHEL ST. TO 62 KLONDIKE STREET
SEPT.	2, 1954	GROTON STREET, FROM DURFEE ST. TO POWHATAN STREET
SEPT.	2, 1954	DERRY STREET, FROM GEOFFREY'S COURT TO OREGON STREET
NOV.	4, 1954	SMART STREET, FROM WINDMILL ST. TO ARGOL STREET
DEC.	20, 1955	ADIE STREET, FROM ATWELLS AVE. TO CEDAR STREET
FEB.	17, 1955	OPHELIA STREET, FROM HARTFORD AVE. TO ELIZA STREET
APR.	21, 1955	LANSHIRE STREET, FROM DOUGLAS AVE. TO 250± FT.
MAY	5, 1955	PARK ROW, FROM EDGEWOOD BOULEVARD SOUTHERLY TO GRANSTON CITY LINE
MAY	19, 1955	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
JUNE	2, 1955	ARGOL STREET, FROM EDGEWORTH AVE. TO NELLIE STREET
JUNE	2, 1955	AUMOND STREET, FROM EDGEWOOD BLVD. TO CITY LINE
JULY	7, 1955	VESPUCCI STREET, FROM DOUGLAS AVE. TO FERNANDO STREET
JULY	7, 1955	HILLCREST AVENUE, FROM SOUTH LINE FREEDOM ROAD TO SOUTH LINE CARVEL ST.
AUG.	4, 1955	POE STREET, FROM OXFORD ST. TO SEYMOUR STREET
SEPT.	1, 1955	QUEEN STREET, FROM LAUREL HILL AVE. TO ITS NORTHERLY TERMINATION
NOV.	3, 1955	HYMER STREET, FROM GRANDALL ST. TO SEAMANS STREET

DEC. 1, 1955 WALLACE STREET, FROM CUMERFORD ST. TO ATWOOD STREET
 DEC. 1, 1955 DERRY STREET, FROM OREGON ST. TO GEOFFREYS COURT
 DEC. 1, 1955 SHARON STREET, FROM EATON ST. TO SOUTH LINE OF UNNAMED STREET
 DEC. 1, 1955 UNNAMED STREET, FROM SHARON ST. TO LAND OF CITY OF PROVIDENCE
 DEC. 15, 1955 JASPER STREET, FROM CHARLES ST. TO PARENTE STREET
 FEB. 2, 1956 HARMONY DRIVE, FROM CHALKSTONE AVE. ABOUT 200 FT. SOUTHERLY
 MAY 3, 1956 STUKELY STREET, FROM HARTFORD AVE. TO #41 STUKELY STREET
 MAY 3, 1956 WESTMORE STREET, FROM NIANTIC AVE. TO LAKEVIEW DRIVE
 MAY 3, 1956 MEDWAY STREET, FROM BUTLER AVE. TO 700 FT. WEST OF EAST RIVER ST.
 AUG. 2, 1956 FLOWER STREET, FROM HARTFORD AVE. TO ITS NORTHERLY TERMINATION
 AUG. 2, 1956 LIDIA STREET, FROM FARMINGTON AVE. TO ITS TERMINATION
 AUG. 2, 1956 VINCENT STREET, FROM HUXLEY AVE. TO ITS DEAD END
 SEPT. 6, 1956 NEWBURY STREET, FROM LANGDON ST. TO ITS TERMINATION

SUMMARY TO OCTOBER 1, 1956

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

TYPES OF PAVEMENT	LENGTHS	AREA
	MILES	SQUARE YARDS
REINFORCED CONCRETE	0.17	3,101.3
BITUMINOUS CONCRETE (CURBED)	91.99	1,652,842.6
BITUMINOUS CONCRETE (NOT CURBED)	4.83	84,952.0
SHEET ASPHALT (CURBED)	67.27	1,620,155.7
SHEET ASPHALT (NOT CURBED)	0.30	4,195.0
BITUMINOUS MACADAM (CURBED)	183.93	2,834,889.8
BITUMINOUS MACADAM (NOT CURBED)	3.59	57,732.0
ASPHALT BLOCKS	0.14	1,555.4
BRICK	0.02	197.2
COBBLE	0.40	3,659.7
GRANITE BLOCKS	3.40	56,273.4
WATERBOUND MACADAM (CURBED)	3.33	52,129.0
WATERBOUND MACADAM (NOT CURBED)	0.64	7,093.0
	360.01	6,378,776.1
RECEIVED (NOT IMPROVED)	4.10	
TOTAL	364.11	

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

STREETS PAVED WITH NEW MATERIAL	60,473 LINEAR FEET
SHEET ASPHALT PAVEMENT LAID	5,427.7 SQUARE YARDS
BITUMINOUS CONCRETE PAVEMENT LAID	112,493.0 SQUARE YARDS
BITUMINOUS MACADAM PAVEMENT LAID	64,077.0 SQUARE YARDS

SEWER SECTION

THE MAIN DUTIES OF THIS SECTION CONSIST OF THE PREPARATION OF STUDIES, PLANS, SPECIFICATIONS AND ESTIMATES OF PROPOSED SANITARY AND STORM SEWERS, AND THE FIELD ENGINEERING AND INSPECTION WORK OF ALL SEWER PROJECTS IN PROGRESS, INCLUDING THE ESTIMATES TO CONTRACTORS FOR PAYMENT.

RECORD PLANS WERE MADE FOR FUTURE REFERENCE ON CLOTH MOUNTED PAPER AND ALL FIELD BOOKS ARE FILED IN FIRE-PROOF CABINETS.

FIELD MEASUREMENTS WERE MADE IN SEWERS PERIODICALLY, IN ORDER TO COMPUTE THE SEWAGE FLOW FROM NORTH PROVIDENCE.

A CONTRACT FOR SEWERS TO BE BUILT IN TWENTY-FOUR STREETS BY THE D'ERCOLE CONSTRUCTION COMPANY DATED MAY 6, 1955 IS NOW IN CONSTRUCTION. THE STREETS INVOLVED ARE AS FOLLOWS, WITH THE DATES OF COMPLETION NOTED. ESTIMATED VALUE OF WORK DONE TO DATE EQUALS \$112,606.75. TOTAL CONTRACT IN THE AMOUNT OF APPROXIMATELY \$267,760.00.

DATES

COMPLETED

AUG. 27, 1955	WAITE STREET, FROM ADMIRAL STREET TO GENERAL STREET
NOV. 10, 1955	BACHELLER AVENUE, FROM NEAR ARGOL STREET TO SILVER SPRING STREET
SEPT. 17, 1955	CLEMATIS STREET, FROM NEAR GLOVE STREET TO MALLOY STREET
JUNE 4, 1956	DEFOE PLACE FROM ITS EASTERLY ANGLE TO CONGDON STREET
NOV. 10, 1955	GREELEY STREET, FROM HAGAN STREET TO AVENTINE STREET
MAR. 27, 1956	HERBERT STREET, FROM NEAR GERARD AVENUE TO CHALKSTONE AVENUE
APR. 13, 1956	BOWLETT STREET, FROM NEAR BARBARA STREET TO ITS NORTHERLY TERMINATION
JULY 6, 1956	DANDY STREET, FROM ITS NORTHERLY TERMINATION TO WINDMILL STREET
DEC. 8, 1955	HILARITY STREET, FROM NEAR BARBARA STREET TO GRIMWOOD STREET
NOV. 19, 1955	JOHNSON STREET, FROM NEAR EDDY STREET TO ERNEST STREET
APR. 12, 1956	KING PHILIP STREET, FROM NEAR BARBARA STREET TO GRIMWOOD STREET
APR. 14, 1956	PLEASANT VALECY PARKWAY (SOUTH SIDE) FROM NEAR RIVER AVENUE TO WINROOTH AVENUE
NOV. 10, 1955	RALSTON STREET, FROM LANGDON STREET, THROUGH RIGHT-OF-WAY, TO CANADA POND TRUNK SEWER
SEPT. 3, 1955	SEEKONK STREET, FROM NEAR WAYLAND AVENUE TO BUTLER AVENUE
AUG. 3, 1955	MUTUAL STREET, FROM NEAR EDDY STREET TO ALLENS AVENUE
NOV. 9, 1955	EDGEWORTH AVENUE, FROM APPROXIMATELY 450 FEET WEST OF ARGOL STREET TO ARGOL STREET
APR. 20, 1956	PLYMOUTH STREET, FROM NEAR POTTERS AVENUE TO HUNTINGTON AVENUE
JUNE 21, 1956	WINDMILL STREET, FROM NEAR CITY LINE TO PRESENT SEWER IN WINDMILL ST.
JULY 5, 1955	BRADLEY STREET, FROM NEAR RIVER AVENUE TO CUMBERLAND STREET
JUNE 23, 1955	FUNSTON AVENUE, FROM APPROXIMATELY 350 FEET WEST OF GLOVE STREET TO GLOVE STREET AND IN GLOVE STREET FROM FUNSTON AVENUE TO TEXAS AVENUE
JULY 12, 1956	GRAPE STREET, FROM CERES STREET TO ITS SOUTHERLY TERMINATION AND IN ALICANT STREET FROM GRAPE STREET TO VETO STREET
AUG. 11, 1955	FAIR STREET, FROM SEAMANS STREET TO PHEDE STREET
SEPT. 3, 1956	WOODWARD ROAD, FROM APPROXIMATELY 1120 FEET NORTH OF DAKOTA STREET TO DAKOTA STREET

A CONTRACT FOR SEWERS TO BE BUILT IN FOURTEEN STREETS BY EDWARD F. CAPALDI, INC., DATED APRIL 30, 1956 IS NOW IN CONSTRUCTION. THE STREETS INVOLVED ARE AS FOLLOWS, WITH THE DATES OF COMPLETION NOTED. ESTIMATED VALUE OF WORK DONE TO DATE EQUALS \$80,463.00. TOTAL CONTRACT IN THE AMOUNT OF APPROXIMATELY \$98,400.00.

DATES

COMPLETED

INCOMPLETE	GLOUCESTER STREET, FROM NEAR ADMIRAL STREET TO SUNBURY STREET
INCOMPLETE	ADIE STREET FROM NEAR ATWELLS AVENUE TO CEDAR STREET
JUNE 14, 1956	ARGOL STREET FROM NEAR NELLIE STREET TO EDGEWORTH AVENUE
JULY 18, 1956	DRESSER STREET FROM APPROXIMATELY 140 FT. EAST OF MATSON AVENUE TO PGNAGANSETT AVENUE
JULY 25, 1956	KLONDIKE STREET FROM APPROXIMATELY 210 FT. WEST OF HERSCHEL STREET TO HERSCHEL STREET
JUNE 28, 1956	LANCASHIRE STREET FROM APPROXIMATELY 250 FT. EAST OF DOUGLAS AVENUE TO DOUGLAS AVENUE

JUNE 7, 1956 NELLIE STREET FROM NEAR ARGOL STREET TO SMITHFIELD AVENUE
 AUG. 16, 1956 WESTCOTT AVENUE FROM THE ANGLE WEST OF FRUIT HILL AVENUE TO MANTON AVE.
 JUNE 20, 1956 ASHTON STREET FROM NEAR CHAYMAN STREET TO LUNA STREET
 JULY 9, 1956 PARENTE STREET FROM APPROXIMATELY 120 FT. NORTH OF SMART ST. TO SMART
 ST. AND FROM APPROX. 60 FT. SOUTH OF SMART ST. TO SMART STREET.
 JUL. 9, 1956 SMART STREET FROM PARENTE STREET WESTERLY TO PRESENT SEWER IN SMART ST.
 AUG. 28, 1956 POE STREET FROM NEAR OXFORD STREET TO SEYMOUR STREET
 JUNE 29, 1956 WALLACE STREET FROM NEAR ATWOOD STREET TO CUMBERFORD STREET
 NOT STARTED UNNAMED STREET SOUTH OF EATON STREET FROM NEAR SHARON STREET EASTERLY
 TO BEND IN SAID UNNAMED STREET AND THENCE SOUTHERLY TO SMITH ST.

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

List No.1

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

CITY COUNCIL RESO-

<u>LUTION AND YEAR</u>	<u>LOCATION</u>
229 1940	BUCKLIN STREET FROM NEAR POTTERS AVE. TO GREENWICH STREET
440 1940	NIANTIC AVENUE FROM NEAR CRANSTON ST. TO AKERMAN STREET
293 1951	WHITE STREET FROM POWELL ST. TO COLLYER STREET
478 1956	MEDWAY STREET FROM APPROXIMATELY 400 FT. EAST OF BUTLER AVENUE TO BUTLER AVENUE

List No.2

SEWERS PETITIONED FOR AND REFERRED TO THE PUBLIC WORKS COMMITTEE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1956 AND NO ACTION TAKEN:

JULY 2, 1946 MURPHY STREET, FROM NEAR ATWELLS AVE. TO CEDAR STREET
 JULY 2, 1946 PENROSE AVENUE, FROM NEAR BLACKSTONE BLVD. TO GROTTO AVENUE
 JULY 10, 1947 CARNAC STREET, FROM GILLEN ST. TO MARIETTA STREET
 JULY 10, 1947 SWEETBRIAR STREET, FROM MALBONE ST. TO OAKLAND AVENUE
 SEPT. 4, 1947 SWAN STREET, FROM EDDY ST. TO POE STREET
 SEPT. 18, 1947 OWEN STREET, FROM MANTON AVE. TO KING STREET INCLUDING RIGHT-OF-WAY TO BE OBTAINED ON KING STREET
 JAN. 2, 1947 POWELL STREET, FROM CITY LINE TO MATILDA STREET, AND IN COLLYER STREET FROM WHITE STREET TO MATILDA STREET
 SEPT. 2, 1948 ILLSTON STREET, FROM RILL ST. TO HAROLD STREET
 MAY 5, 1949 BINGHAM STREET, FROM BRANCH AVE. TO CAXTON STREET
 MAY 5, 1949 CARDER STREET, FROM CAXTON ST. TO ITS NORTHERLY TERMINATION
 MAY 5, 1949 CAXTON STREET, FROM VEAZIE ST. TO ITS NORTHERLY TERMINATION
 AUG. 4, 1949 STEELE STREET, FROM ROCHAMBEAU AVE. TO LANCASTER STREET
 SEPT. 5, 1949 SECOND STREET, FROM HIGHLAND AVE. TO CRESTON WAY
 OCT. 6, 1949 BARBARA STREET, FROM CELIA ST. TO KING PHILIP STREET
 NOV. 3, 1949 PALM STREET, FROM PECK ST. TO WILLOW STREET
 DEC. 15, 1949 BARBARA STREET, FROM GLENBRIDGE AVE. TO PONAGANSETT AVENUE
 DEC. 15, 1949 BARBARA STREET, FROM MIDDLETON ST. TO BOWLETT STREET
 FEB. 2, 1950 EDNA STREET, FROM PLAINFIELD ST. TO HARTFORD AVENUE
 FEB. 16, 1950 ROWLEY STREET, FROM DATTERSON ST. TO SICILY STREET
 APR. 20, 1950 PANAY STREET, FROM CURTIS ST. TO ALEPPO STREET
 JUNE 1, 1950 CUTLER STREET, FROM NEWARK ST. TO ATWELLS AVENUE
 AUG. 10, 1950 DERRY STREET, FROM GEOFFREYS COURT TO OREGON STREET
 OCT. 19, 1950 CARLETON STREET, FROM DOVER ST. TO CHALKSTONE AVENUE
 NOV. 2, 1950 WHITE STREET, FROM NORTH MAIN ST. TO NASHUA STREET

APR. 5, 1951 BRUSH HILL ROAD, FROM ADA ST. TO CHALKSTONE AVENUE
 APR. 19, 1951 MESSENGER STREET, FROM ATWELLS AVE. TO SPRUCE STREET
 MAY 3, 1951 BENEDICT STREET, FROM CRANSTON ST. TO HUNTINGTON AVENUE
 JULY 5, 1951 KILLINGLY STREET, FROM HARTFORD AVE. TO CITY LINE
 DEC. 20, 1951 STANTON STREET, FROM UNION AVE. TO MURRAY STREET
 JAN. 3, 1952 BLACKSTONE BOULEVARD
 OCT. 2, 1952 OKIE STREET, FROM ITS WESTERLY TERMINATION TO BATH STREET
 OCT. 2, 1952 HUNNEWELL AVENUE, FROM No. 174 TO CHALKSTONE AVENUE
 APR. 16, 1953 BARBARA STREET, FROM KING PHILIP ST. TO MIDDLETON STREET
 APR. 16, 1953 MYRA STREET, FROM NEAR BOUNDARY AVE. TO KILLINGLY STREET
 MAY 21, 1953 MELISSA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
 MAY 21, 1953 MIDDLETON STREET, FROM BARBARA ST. TO GRIMWOOD STREET
 FEB. 18, 1954 QUARRY STREET, FROM ITS TERMINATION TO CHARLES STREET
 MAY 6, 1954 ST. THOMAS STREET, FROM FRUIT HILL AVE. TO TARANTO STREET
 JULY 1, 1954 DULLOCK AVENUE, FROM CITY LINE TO DUNDAR STREET
 SEPT. 2, 1954 GROTON STREET, FROM DURFEE STREET TO POWHATAN STREET
 FEB. 17, 1955 OPHELIA STREET, FROM ELIZA STREET TO HARTFORD AVENUE
 MAY 5, 1955 PARK ROW, FROM NEAR CRANSTON CITY LINE TO EDGEWOOD BLVD.
 MAY 19, 1955 AMITY STREET, FROM NEAR PEMBERTON STREET TO ACADEMY AVENUE
 JULY 7, 1955 VESPUCCI STREET, FROM FERNANDO STREET TO DOUGLAS AVENUE
 SEPT. 1, 1955 QUEEN STREET, FROM ITS NORTHERLY TERMINATION TO CLEVELAND STREET
 NOV. 3, 1955 HYMER STREET, FROM NEAR SEAMANS STREET TO CRANDALL STREET
 DEC. 1, 1955 DERRY STREET, FROM NEAR GEOFFREYS COURT TO OREGON STREET
 MAY 3, 1956 STUKELY STREET, FROM ITS NORTHERLY TERMINATION TO HARTFORD AVENUE
 MAY 3, 1956 WESTMORE STREET, FROM NIAN TIC AVE. TO LAKEFIEW DRIVE
 JULY 5, 1956 SEDAN STREET, FROM MILANO STREET TO ARGOL STREET
 AUG. 2, 1956 FLOWER STREET, FROM ITS NORTHERLY TERMINATION TO HARTFORD AVENUE
 AUG. 2, 1956 LIBIA STREET, FROM THE CITY LINE TO FARMINGTON AVENUE
 SEPT. 6, 1956 NEWDURY STREET, FROM NEAR LANGDON STREET TO NEAR STANHOPE STREET
 SEPT. 6, 1956 MINNESOTA STREET, FROM ITS EASTERLY TERMINATION TO WOODWARD ROAD
 SEPT. 20, 1956 HUNNEWELL AVENUE, FROM NEAR CHALKSTONE AVE. TO PRESENT SEWER IN
 HUNNEWELL AVENUE

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

SEWER SYSTEM STATISTICS: IN ORDER TO MAKE COMPLETE THE PROVIDENCE SEWER SYSTEM STATISTICS UP TO THE END OF THE FISCAL YEAR OF SEPTEMBER 30, 1956 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, 1956, 47,1497 MILES.

IN 1872 THE FIRST STORM SEWER CONSTRUCTION WAS STARTED AND AS OF SEPTEMBER 30, 1956 A TOTAL OF 65.3516 MILES OF SEWERS FOR STORM WATER ONLY, HAVE BEEN CONSTRUCTED AND DISCHARGED INTO THE NEAREST AVAILABLE POND OR STREAM.

THE TOTAL LENGTH OF THE SO-CALLED REGULAR COMBINED SEWERS AS OF SEPTEMBER 30, 1956 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, 1956 EQUALS 456.2031 MILES.

INCLUDED IN THIS MILEAGE ARE APPROXIMATELY 19,800 MANHOLES, ALSO THERE ARE APPROXIMATELY 4650 INLETS AND 11,600 BASINS FOR COLLECTING SURFACE WATER AND TRAPPING DEBRIS BEFORE ENTRANCE INTO THE SEWERS.

THE NORMAL OR DRY WEATHER FLOW OF SEWAGE IS COLLECTED AND CONVEYED TO THE SEWAGE TREATMENT PLANT AT FIELDS POINT. TIDE GATES ARE INSTALLED AT RIVER OUTFALLS TO PREVENT TIDEWATER OR RIVER WATER FROM ENTERING THE SEWERS.

THE SEWAGE FROM THE WASHINGTON PARK AND FIELDS POINT DISTRICTS, DRAINS INTO A SMALL PUMPING STATION EQUIPPED WITH TWO AUTOMATIC ELECTRICALLY DRIVEN PUMPS, LOCATED ON CITY LAND AT FIELDS POINT JUST SOUTH OF NEW YORK AVENUE AND FROM THERE IS PUMPED THROUGH A CAST-IRON FORCE MAIN DIRECTLY TO THE SEWAGE DISPOSAL PLANT.

A PART OF THE SEWAGE FROM THE WEST ELMWOOD DISTRICTS DRAINS INTO A SMALL PUMPING STATION, EQUIPPED WITH TWO AUTOMATIC ELECTRICALLY DRIVEN PUMPS, LOCATED ON CITY LAND AT RESERVOIR AVENUE AND PONTIAC AVENUE AND FROM THERE, DRAINS INTO THE RUTHERGLEN AVENUE GRAVITY-FLOW SEWER.

A COMPARATIVELY HIGH LEVEL SEWER COLLECTS SEWAGE FROM THE ELMWOOD AND SOUTH PROVIDENCE DISTRICTS AND FLOWS THROUGH GRAVITY SEWERS, DIRECTLY TO THE SEWAGE DISPOSAL PLANT.

GENERALLY, WITH THE EXCEPTIONS AS OUTLINED IN PREVIOUS PARAGRAPHS, LOW LEVEL SEWERS COLLECT THE SEWAGE FROM THE REMAINDER OF THE CITY DISTRICTS, WITH MOST OF THE EAST SIDE SEWAGE FLOWING THROUGH AN INVERTED SYPHON SEWER UNDER THE PROVIDENCE RIVER AT INDIA STREET, AND THE SEWAGE FLOWS BY GRAVITY TO THE LARGE PUMPING STATION AT ERNEST STREET. (SEE DESCRIPTION OF PUMPING STATION ELSEWHERE). AT THE PUMPING STATION THE SEWAGE IS LIFTED APPROXIMATELY 27 FEET TO THE HIGH LEVEL SEWER IN ERNEST STREET AND FLOWS BY GRAVITY TO THE SEWAGE DISPOSAL PLANT. (SEE DESCRIPTION OF THE SEWAGE DISPOSAL PLANT ELSEWHERE).

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

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

RECEIVED FROM PAWTUCKET. 1955-1956, 200,000,000 GALLONS (ESTIMATED) AND BILLED FOR \$5,962.50.

RECEIVED FROM CRANSTON. (NARRAGANSETT BREWING COMPANY) CONTRACT DATED JUNE 1, 1955
1955-1956, 118,769,000 GALLONS, METERED AND BILLED FOR \$6755.00

RECEIVED FROM NORTH PROVIDENCE. (CONTRACT DATED DECEMBER 4, 1939) 1955-1956
2,493,865,440 GALLONS ESTIMATED, CONTRACT TERMS \$20,000.00 ANNUALLY.

PRIVATE DRAINS. IN CO-OPERATION WITH THE OFFICE OF THE SANITARY ENGINEER, A COMPLETE RECORD IS MADE OF ALL SEWAGE DRAINAGE INSTALLATIONS IN PRIVATE HOUSES. THESE RECORDS AND RECORD PLANS ARE MADE AND FILED BY THE SEWER SECTION OF THE PUBLIC WORKS ENGINEERING OFFICE AND CONTAIN VALUABLE INFORMATION OF INTEREST TO PROPERTY OWNERS, TITLE SEARCHERS, ETC. ALL NEW WORK IS COVERED BY FIELD INSPECTION AND MUST COMPLY WITH THE CITY ORDINANCES AS TO WORKMANSHIP AND MATERIALS AND THE WORK MUST BE DONE BY LICENSED PLUMBERS OR DRAIN LAYERS WHO MUST PROVE THEIR QUALIFICATIONS BEFORE BEING ISSUED PERMITS BY THE DIRECTOR OF PUBLIC WORKS.

IN THE JANUARY SESSION OF THE STATE LEGISLATURE - CHAPTER 1661 - 1945, THERE WAS ENACTED BY THE GENERAL ASSEMBLY 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".)

IN THE CALENDAR YEAR OF 1955 THE DIRECTOR OF PUBLIC WORKS ISSUED LICENSES TO SEVEN DRAIN LAYERS AND FIVE SPECIALS FOR SPRINKLER SYSTEM LICENSES. NO LIST OF LICENSED PLUMBERS WAS RECEIVED FROM STATE AUTHORITIES. THERE WAS APPROXIMATELY 3000 TITLES INVESTIGATED FOR ENCUMBRANCES OF DRAINAGE FACILITIES BY TITLE COMPANY INVESTIGATORS, AND 3000 SKETCHES OF PRESENT DRAINAGE INSTALLATIONS GIVEN TO INTERESTED PARTIES. (OWNERS, PLUMBERS AND DRAIN LAYERS).

MISCELLANEOUS WORK. DURING THE YEAR SPECIFICATIONS WERE MADE AND BIDS WERE TABULATED FOR THE FOLLOWING PUBLIC WORKS DEPARTMENT EQUIPMENT:

TWO (2)	2 DOOR SEDANS	SANITATION DIVISION
ONE (1)	2 DOOR SEDANS	PUBLIC SERVICE ENGINEER
ONE (1)	4 DOOR SEDAN	PUBLIC SERVICE ENGINEER
EIGHT (8)	4 CU.YD. DUMP TRUCKS	HIGHWAY SECTION
ONE (1)	BULLDOZER - T.D18	HIGHWAY SECTION
ONE (1)	PORTABLE COMPRESSOR 125 CFA	HIGHWAY SECTION
ONE (1)	ROAD GRADER	HIGHWAY SECTION
ONE (1)	3-5 TON ROAD ROLLER	HIGHWAY SECTION
ONE (1)	10-14 TON ROAD ROLLER	HIGHWAY SECTION
ONE (1)	4 C.Y. DUMP TRUCK WITH WINCH	FORESTRY SECTION
ONE (1)	4 C.Y. DUMP TRUCK	FORESTRY SECTION
ONE (1)	EDUCTOR TRUCK	SEWER MAINTENANCE SECTION
ONE (1)	4 C.Y. DUMP TRUCK	SEWER MAINTENANCE SECTION
ONE (1)	4 C.Y. DUMP TRUCK WITH BUCKET	SEWER MAINTENANCE SECTION
ONE (1)	3 C.Y. DUMP TRUCK	SEWER MAINTENANCE SECTION
ONE (1)	4 DOOR SEDAN	SEWER MAINTENANCE SECTION
FOUR (4)	CHASSIS ONLY (FOR GARBAGE BODIES)	INCINERATOR SECTION
THREE (3)	GARBAGE COLLECTION TRUCKS	INCINERATOR SECTION
ONE (1)	BULLDOZER - TD9	INCINERATOR SECTION

IN CONNECTION WITH THE MUNICIPAL WHARF IMPROVEMENTS A SURVEY, PLANS, SPECIFICATIONS AND ESTIMATES WERE STARTED FOR THE RENEWAL AND REPAIRS TO THE WOOD FENDER SYSTEM, THE REPLACEMENT OF THE PRESENT DECKING OF MACADAM AND MISCELLANEOUS GRANITE BLOCKS, WITH A REINFORCED CONCRETE DECKING ON CERTAIN PORTIONS, IN FRONT OF THE SHED #1 AND #2 AND OTHER AREAS, TO CONNECT WITH PRESENT CONSTRUCTION OF SIMILAR TYPE AND THE

REPLACEMENT OF THE PRESENT WORN RAILS WITH RAILROAD GROOVED RAILS. ALSO SOUNDINGS AT MEAN LOW WATER WERE TAKEN FULL LENGTH OF THE WHARF, PLANS WERE MADE, AND AN AGREEMENT WAS MADE WITH THE FANNING AND DOORLEY CONSTRUCTION CO. INC., TO DREDGE FROM THE WALL WITH THE USE OF A MOBILE CRANE AND CLAM SHELL BUCKET. THIS WORK WAS COMPLETED MARCH 2, 1956.

IN CONNECTION WITH OTHER WORK IN THE FIELDS POINT AREA THE FOLLOWING CONTRACTS FOR WORK WERE COMPLETED WITH THE REQUIRED SUPERVISION AND INSPECTION GIVEN:

THE CONTRACT FOR "COORDINATED OUTDOOR SUBSTATION OF THE SEWAGE DISPOSAL PLANT", CONTRACTOR, THE COKEN COMPANY, CONTRACT DATED FEBRUARY 26, 1954 AND WORK COMPLETED JULY 1, 1956. ALL ELECTRICAL WORK WAS APPROVED BY THE PUBLIC SERVICE ENGINEER. FINAL COST EQUALLED \$101,034.25.

THE CONTRACT FOR "ALTERATIONS, RENEWALS AND IMPROVEMENTS TO THE GARBAGE INCINERATOR PLANT No.1" CONTRACTOR, GEORGE ALLEN & SONS INC., CONTRACT DATED DECEMBER 7, 1953. WORK WAS COMPLETED DECEMBER 12, 1955 AND FINAL COST EQUALLED \$225,366.00.

THE CONTRACT FOR "RELINING THE FURNACE, COMBUSTION CHAMBER AND BY-PASS CHAMBER TO THE GARBAGE INCINERATOR UNIT No.2", CONTRACTOR, PENDERGAST BOILER SETTING COMPANY CONTRACT DATED JANUARY 31, 1956. WORK COMPLETED JULY 12, 1956 AND FINAL COST EQUALLED \$42,215.20.

IN CONNECTION WITH THE FORESTRY SECTION THE "GARAGE, OFFICE AND REPAIR SHOP" LOCATED IN ROGER WILLIAMS PARK WAS COMPLETED WITH THE REQUIRED SUPERVISION AND INSPECTION GIVEN. THE CONTRACTOR WAS THE PETERSON CONSTRUCTION CO. INC., CONTRACT DATED DECEMBER 16, 1954. WORK WAS COMPLETED NOVEMBER 15, 1955 AND FINAL COST EQUALLED \$52,240.00.

IN CONNECTION WITH THE PARK DEPARTMENT THE "REPAIRS TO THE CONCRETE RETAINING WALLS OF THE PLEASANT VALLEY PARKWAY AND THE INSTALLATION OF A CONCRETE MAT BETWEEN THE WALLS" WAS COMPLETED WITH THE REQUIRED SUPERVISION AND INSPECTION GIVEN. THE CONTRACTOR WAS THE A.L.A CONSTRUCTION CO. INC., CONTRACT DATED OCTOBER 31, 1955. WORK WAS COMPLETED JANUARY 19, 1956 AND FINAL COST EQUALLED \$14,516.85

STUDY WAS MADE ON DAVIS PARK SEWAGE SYSTEM TO ELIMINATE THE DOMESTIC SEWAGE FROM ENTERING THE STORM SEWERS IN THIS VICINITY.

STUDY AND A REPORT MADE TO PREVENT THE LAKE WATER AT ROGER WILLIAMS PARK FROM ENTERING THE SEAL POOL. WOOD AND EARTH DAMS WERE BUILT TO ACCOMPLISH THIS BY THE SEWER MAINTENANCE SECTION.

APPROVED THE PLAN OF THE DONSTAN CORPORATION AT 166 VALLEY STREET, PROVIDENCE TO MAKE A CHANGE IN THE WOONASQUATUCKET RIVER WALLS. A HEARING WAS HELD BY THE STATE DIVISION OF RIVERS AND HARBORS AND THE CITY DID NOT OBJECT.

CONFERENCES WERE HELD AND PLANS APPROVED FOR PROPOSED CONNECTIONS FOR SEWAGE FROM THE TOWN OF JOHNSTON WITH WARD AND HALEY, ENGINEERS, BOSTON, MASS. THERE WILL BE TWO (2) METERED ENTRANCES AT MANTON AVENUE (SIZE 16 INCH) AT SILVER LAKE AVENUE (SIZE 15 INCH) AND THREE (3) (SIZE 8 INCH) UNMETERED CONNECTIONS AT HARTFORD AVENUE, PAOLINO STREET AND SUNSET AVENUE. THE CONSTRUCTION ON THIS WORK HAS BEEN STARTED WITH THE V.F. CAPALDI CONSTRUCTION CO. AS THE CONTRACTOR FOR THE TOWN OF JOHNSTON.

AN ESTIMATE WAS MADE FOR THE REPLACEMENT OF TWO BRIDGES AT ROGER WILLIAMS PARK AT AN ESTIMATED COST OF \$70,000.00 AT THE REQUEST OF SUPERINTENDENT MARTIN F. NOONAN.

STUDY AND A PLAN MADE ON THE RE-ARRANGEMENT OF SEWERS THAT NOW EXIST IN UNION STREET IN CONNECTION WITH THE ABANDONMENT OF UNION STREET IN THAT SECTION OF THE PROVIDENCE JOURNAL BUILDING.

CONFERENCES AND MEETINGS AND MUCH RESEARCH WORK WAS MADE IN CONNECTION WITH THE PROPOSED RECONSTRUCTION OF THE SEWAGE DISPOSAL PLANT WHICH IS NOW IN CONSTRUCTION. METCALF & EDDY, ENGINEERS OF BOSTON, MASS. WERE THE CONSULTING ENGINEERS AND DID ALL THE PLANS AND SPECIFICATIONS AND THE CONTRACT WORK OF RECONSTRUCTION WAS AWARDED TO THE BAYLOR CONSTRUCTION CORPORATION OF NEW YORK CITY. CONTRACT DATE MAY 23, 1956 AT A COST OF \$3,135,000 ESTIMATED. THIS WORK IS NOW 1.74% COMPLETED.

MANY CONFERENCES WERE HELD WITH ENGINEERS, MAKING SPECIAL STUDIES FOR FLOOD CONTROLS, FROM THE FOLLOWING COMPANIES:

U.S. COAST AND GEODETIC SURVEY
U.S. ARMY ENGINEERS, BOSTON, MASS.
ENGINEERS, DELEUW, CATHER & BRILL, NEW YORK, N.Y.
ENGINEERS, DELEUW AND CATHER, BOSTON, MASS.
ENGINEERS, CHARLES A. MAGUIRE & ASSOCIATES, PROVIDENCE, R. I.
GEOLOGIST AND ENGINEER, FRANK E. FAHLQUIST, PROVIDENCE, R. I.
ENGINEERS, C.W. RIVA COMPANY, BOSTON, MASS.

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

STUDY AND A REPORT MADE REGARDING STORM WATER FLOODING AT THE INTERSECTION OF OCEAN AND PAVILLION STREETS. A SOLUTION WAS SUGGESTED IN A PROPOSED CHANGE IN GRADE ON THE EASTERLY SIDE OF OCEAN STREET BETWEEN BYFIELD AND PAVILLION AVENUES, TO ELIMINATE THE EXISTING POCKET. NO ACTION TAKEN ON THIS PROPOSAL.

A STUDY AND PLAN WAS MADE FOR THE ADDITION OF TOILET FACILITIES FOR THE WORKMEN AT THE SUPERINTENDENT'S OFFICE BUILDING BASEMENT AT THE MUNICIPAL DOCK. TWO SEATS, A URINAL AND A WASH BASIN WERE INSTALLED BY THE GUARANTEE HEATING AND PLUMBING COMPANY, INC. A PROPOSED PARTITION IS NOT CONSTRUCTED TO DATE.

IN CONNECTION WITH MERINO PARK A REPORT WAS MADE ON THE FIELD HOUSE SEWAGE, WHICH WAS BEING DISCHARGED INTO THE WOONASQUATUCKET RIVER. A SYPHON SEWER WAS PROPOSED TO BE BUILT UNDER THE RIVER AND THIS IS NOW IN CONSTRUCTION BY THE SEWER MAINTENANCE SECTION.

ALSO A SURVEY AND PLAN WAS STARTED FOR THE CONSTRUCTION OF A FLIGHT OF STAIRS TO EXTEND FROM THE HARTFORD HOUSING PROJECT TO MERINO PARK. IT IS EXPECTED THAT WORK WILL BE STARTED ON THIS PROJECT VERY SOON.

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 THE VARIOUS UTILITIES AND CONTRACTORS WERE CHECKED OVER, REVISED AND APPROVED FOR SIDEWALK SLABS, VAULT AND DUCT INSTALLATIONS UNDER STREETS AND SIDEWALKS.

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

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

RESPECTFULLY SUBMITTED

GILBERT SMALL
CHIEF OF THE ENGINEERING OFFICE.

CONSTRUCTION AND MAINTENANCE DIVISION

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

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING ACTIVITIES OF THE CONSTRUCTION AND MAINTENANCE DIVISION FOR THE YEAR ENDING SEPTEMBER 30, 1956. THIS DIVISION CONSISTS OF THE CONSTRUCTION AND MAINTENANCE ADMINISTRATION AND THE FOLLOWING SECTIONS: HIGHWAY, BRIDGE MAINTENANCE, SIDEWALK AND CURBING, FORESTRY, SNOW REMOVAL, SEWER CONSTRUCTION AND MAINTENANCE, PUBLIC BUILDINGS, 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	\$7,072.00
ITEM 1 SERVICES OTHER THAN PERSONAL	784.00
ITEM 2 MATERIALS AND SUPPLIES	<u>5.27</u>
TOTAL	\$7,861.27

HIGHWAY SECTION

THE MAIN DUTY OF THIS SECTION IS THE MAINTENANCE OF APPROXIMATELY 340 MILES OF PAVED STREETS, INCLUDING THE REPAIRING, PATCHING, SEAL COATING, SURFACING, RESURFACING OR RECONSTRUCTION OF HIGHWAYS AND THE SETTING, RESETTING OR REPLACING OF GRANITE CURBING.

THIS SECTION ALSO CONSTRUCTS NEW HIGHWAYS WHEN ORDERED AND PERFORMS MISCELLANEOUS JOBS FOR OTHER SECTIONS OF THE DEPARTMENT OF PUBLIC WORKS AS WELL AS FOR OTHER CITY DEPARTMENTS.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$649,190.42
ITEM 1 SERVICES OTHER THAN PERSONAL	192,862.51
ITEM 2 MATERIALS AND SUPPLIES	93,135.25
ITEM 5 CAPITAL OUTLAY	1,020.07
ITEM 7 STRUCTURES AND IMPROVEMENTS	<u>150,000.00</u>
TOTAL	\$1,086,208.25

TOTAL REVENUE \$25,939.64

STREETS REPAIRED AND SURFACED OR RESURFACED

SHARON STREET	ADMIRAL ST. TO EATON STREET
HILLSIDE AVENUE	NORTH MAIN ST. TO HILLSIDE AVENUE
ACADEMY AVENUE	SMITH ST. TO MINK ROAD
CYPRESS STREET	MORRIS AVE. TO CAMP STREET
CATHEDRAL AVENUE	SMITH ST. TO MT. PLEASANT AVENUE
MERIDIAN STREET	WALTON ST. TO SMITH STREET
NELSON STREET	EATON ST. TO PLEASANT VALLEY PARKWAY
SALTER STREET	ACADEMY AVE. TO JASTRAM STREET
SHARON STREET	WHITFORD AVE. TO PLEASANT VALLEY PARKWAY
JASTRAM STREET	SMITH ST. TO WALTON STREET
WALTON STREET	ACADEMY AVE. TO JASTRAM STREET
SESSIONS STREET	MORRIS AVE. TO TABER AVENUE
PATTERSON STREET	SOUTH ANGELL ST. TO EAST ORCHARD AVENUE
BEVELIN ROAD	ALTON ROAD TO COLE AVENUE
MINK ROAD	ACADEMY AVENUE TO SHARON STREET
CHALKSTONE AVENUE	WINTHROP AVE. TO MANTON AVENUE
HARJAN ROAD	ALTON ROAD TO COLE AVENUE
CANTON STREET	CHALKSTONE AVE. TO PLEASANT VALLEY PARKWAY
WHITFORD AVENUE	RIVER AVE. TO SMITH STREET
CONGDON STREET	JENKES STREET TO HIDDEN STREET
UNIT STREET	CHALKSTONE AVE. TO MANTON AVENUE
SARGENT AVENUE	MORRIS AVE. TO ELMGROVE AVENUE
BOYLSTON STREET	OLNEY ST. TO MONTAGUE STREET
MONTAGUE STREET	HOPE ST. TO MORRIS AVENUE
COLE FARM COURT	COLE AVE. TO COLE AVENUE
ENFIELD AVENUE	SMITH ST. TO ISABELLA AVENUE
ALTON ROAD	UPTON AVE. TO CIRCLE
BEVERLY STREET	FOUNTAIN ST. TO MASON STREET
ELMBURST AVENUE	SMITH ST. TO EATON STREET
FULTON STREET	EDDY ST. TO UNION STREET

STREETS STARTED 1954-1955; COMPLETED 1955-1956

SISBON STREET	CHALKSTONE AVE. TO ALMIRA AVENUE
MODENA AVENUE	SMITH ST. TO ISABELLA AVENUE
HAROLD STREET	CHALKSTONE AVE. TO VALLEY STREET

STREETS STARTED 1955-1956; INCOMPLETE SEPTEMBER 30, 1956

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

PATCHING AND REPAIRING SUNDRY STREETS

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

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

MATERIALS USED IN GENERAL PATCHING AND REPAIRING WERE AS FOLLOWS:

READY MIX CONCRETE	70 CU. YDS.	CRUSHED STONE 2"	100 TONS
HOT PATCH	346 TONS	KEROSENE	1500 GALS.
COLD PATCH	851 TONS	SAND	200 TONS
A.C.MIX	1625 TONS		

MATERIALS USED IN SURFACING AND RESURFACING WERE AS FOLLOWS:

READY MIX CONCRETE	58 CU. YDS.
A.C.MIX	15088 TONS
SOLUBLE C. OIL	385 GALS.
CEMENT	200 BAGS
CRUSHED STONE 2"	215 TONS
KEROSENE	4500 GALS.
SAND	900 TONS

MATERIALS USED IN REPAIRING SIDEWALKS DUE TO HURRICANE DAMAGE WERE AS FOLLOWS:

CEMENT	650 BAGS
GRAVEL 1½"	200 TONS
SAND	200 TONS

DRIVEWAYS AND CURBING

DRIVEWAYS ALTERED	3
DRIVEWAYS CONSTRUCTED	350
DRIVEWAYS WIDENED	38
DRIVEWAYS CLOSED	19
DRIVEWAYS RELOCATED	20
2 FT. CIRCULAR CORNERS SET	606
S B CORNERS SET	87
7 INCH CURB SET	348.1 LIN. FT.
CURB SET AND RESET	9030 LIN. FT.
8 FT. RADIUS	3 FT.

MISCELLANEOUS WORK

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

ENGINEERING DIVISION, BRIDGE MAINTENANCE, DRAW BRIDGES, HARBOR MASTER, SIDEWALK AND CURBING, FORESTRY, PUBLIC BUILDINGS, SEWER MAINTENANCE, SEWAGE DISPOSAL, GARBAGE INCINERATOR, MUNICIPAL DOCK, CITY SERGEANT, AND THE PARK, RECREATION, HEALTH, WELFARE, POLICE AND FIRE DEPARTMENT, CHAPIN HOSPITAL, RHODE ISLAND HOSPITAL, MUNICIPAL GARAGE AND TRAFFIC ENGINEER.

1. GRADING BASEBALL FIELDS AT THE FOLLOWING GROUNDS: CYPRESS ST. PLAYGROUND, FOX POINT PLAYGROUND, RICHARDSON ST. PLAYGROUND, VALLEY ST. PLAYGROUND, LAUREL HILL PLAYGROUND, DEXTER TRAINING GROUNDS, NEUTACONKANUT PARK, HOPKINS PARK, JOSEPH WILLIAMS FIELD, MT. PLEASANT PARK, BUCKLIN ST. PLAYGROUND, VEAZIE ST. PLAYGROUND, ROGER WILLIAMS PARK, ASCHAM PARK, MT. PLEASANT HIGH SCHOOL FIELD, PROVIDENCE GAS COMPANY FIELD, DAVIS PARK, QUARD ST. PLAYGROUND, GARIBALDI PLAYGROUND, RIDGE ST. PLAYGROUND, MUNICIPAL GOLF COURSE, AND HAWKINS STREET FIELD.

2. REPAIRING ROADS AND WALKS AT MUNICIPAL DOCK AND HAULING FILL FOR GANO STREET AND FIELDS POINT DUMPS.
3. GRADED DUMPS AT FIELDS POINT, MURRAY STREET AND GANO STREET, MOUNT PLEASANT AVENUE AND SMITH STREET.
4. HELPED TO REPAIR EQUIPMENT AT INCINERATOR AND SEWAGE DISPOSAL WORKS.
5. ERECTED AND REMOVED BANDSTANDS FOR COLUMBUS DAY, ARMISTICE DAY, MEMORIAL DAY AND LABOR DAY CELEBRATIONS; ALSO FOR VARIOUS VETERANS AND CIVIC ORGANIZATIONS FOR DEDICATIONS AND MEMORIALS.
6. DECORATED CITY FOR CHRISTMAS AND FOURTH OF JULY CELEBRATIONS.
7. SET UP AND REMOVED EQUIPMENT AT THE VARIOUS VOTING PLACES IN THE CITY FOR THE BOARD OF CANVASSERS.
8. REMOVED RUBBISH FROM CITY HALL.
9. REPAIRED 300 WATER AND DRAIN OPENINGS.
10. BUILT RETAINING WALL AT EAST END OF TRINITY PARKWAY.
11. FILLED AND GRADED FOX POINT PLAYGROUND.
12. FILLED AND GRADED DANFORTH STREET PLAYGROUND.
13. RAZED BUILDINGS AT SITE OF DANFORTH STREET PLAYGROUND.
14. FILLED AND GRADED FIELD AT HAWKINS STREET FOR LITTLE LEAGUE BASEBALL.
15. WORKED ON THE REMOVAL OF LARGE SAND HILL ON LAND LEASED BY SUN OIL COMPANY, FIELDS POINT.
16. FILLED AND REPAIRED ROADWAY AT SMITH STREET AND OAKLAND AVENUE DAMAGED BY BROKEN WATER MAIN.
17. WORKED ON THE REHABILITATION OF THE RECREATION CENTER ON BENEFIT STREET.
18. WORKED ON THE REPAIR AND CLEANING OF SEAL POOL AT ROGER WILLIAMS PARK.
19. MOVED AND PUT IN STORAGE THE PERSONAL BELONGINGS AND FURNITURE OF MANY FAMILIES EVICTED BY THE COURTS AND BEING HELPED BY THE WELFARE DEPARTMENT.

LAWNS AND GRASS PLATS

COHAN BOULEVARD	EIGHTH STREET AND LORIMER AVENUE
OAKLAND AVENUE	SEWER DISPOSAL GROUNDS
KINSLEY AVENUE	EDDY AND SHIP STREETS
NORTH MAIN STREET	ATWELLS AVENUE
FRANKLIN SQUARE	MARKET SQUARE
ELMGROVE AVENUE	CEMETERY STREET
CHAD BROWN 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	\$41,579.60
ITEM 1 SERVICES OTHER THAN PERSONAL	2,824.22
ITEM 2 MATERIALS AND SUPPLIES	<u>3,340.08</u>
TOTAL	\$47,743.90

REVENUE \$317.54

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

ACORN STREET BRIDGE	WEST RIVER STREET BRIDGE
OLNEYVILLE EXPRESSWAY	LELAND STREET BRIDGE
HARRIS AVENUE OVERPASS	MERINO BRIDGE (GLENBRIDGE)
PLAINFIELD STREET OVERPASS	MERINO PARK FOOTBRIDGE
MAGNOLIA STREET OVERPASS	NASH LANE BRIDGE (PETTIS STREET)
POINT STREET BRIDGE	PARK STREET BRIDGE
ROGER WILLIAMS AVE. BRIDGE	RED BRIDGE
DELAINE STREET BRIDGE	POINT STREET VIADUCT

ALSO THE FOLLOWING WORK WAS DONE:

1. REPAIRED SIDEWALKS ON THE FOLLOWING BRIDGES: RED, POINT, GLENBRIDGE AVE., ROGER WILLIAMS AVE., PARK ST. AND LIVINGSTONE STREET.
2. REPAIRED 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 BOAT FOR RED BRIDGE AND POINT STREET BRIDGE.
5. REPAIRED PILE SUPPORTS ON LELAND STREET AND MERINO PARK FOOTBRIDGES.
6. REBUILT TWO RAILROAD CROSSINGS AT FIELDS POINT.
7. REPAIRED BOILER AND STORM DOOR AT SUPERINTENDENT'S HOUSE, RED BRIDGE.
8. REPAIRED STOVE, POINTED BUILDING AND REPAIRED DOOR AT RED BRIDGE OFFICE.
9. REPAIRED STOVES AND DOORS TO OPERATING HOUSE OF RED AND POINT STREET BRIDGES.
10. REBUILT WALKS AND STEPS AT ENTRANCE TO INCINERATOR.
11. REPAIRED HARBORMASTER'S BUILDING.
12. REPAIRED BOILER IN HARBORMASTER'S OFFICE.
13. REPAIRED WATER MAIN AT MUNICIPAL DOCK.
14. INSTALLED TOILETS IN BASEMENT OF DOCK OFFICE, FIELDS POINT.

15. PAINTED STEEL BUILDING FRAME AND WINDOWS AT STORAGE WAREHOUSE, FIELDS POINT.
16. INSTALLED BOILER AND REBUILT HEATING SYSTEM IN HIGHWAY OFFICE.
17. INSTALLED HOT WATER BOILER AT HIGHWAY YARD OFFICE AND TOILET, ALSO, RAISED HEIGHT OF CHIMNEY.
18. PAINTED GUARD RAIL ON ROBERTS EXPRESSWAY.
19. REBUILT DRAINAGE AND WALKS AT UNDERPASS, MERINO PARK,
20. WORKED ON REPAIR AND CLEANING OF SEAL POOL, ROGER WILLIAMS PARK

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	\$15,453.94
ITEM 1 SERVICES OTHER THAN PERSONAL	1,868.72
ITEM 2 MATERIALS AND SUPPLIES	512.56
ITEM 5 CAPITAL OUTLAY	400.84
TOTAL	<u>\$18,236.06</u>

REVENUE: SIDEWALK CONTRACTORS' LICENSES	\$710.00
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THE OPERATIONS OF THE SECTION WERE AS FOLLOWS:

SIDEWALK CONTRACTORS' LICENSES ISSUED	71
NOTICES SERVED TO BUILD OR REPAIR	213
BUILT OR REPAIRED	142
PERMITS TO BUILD OR REPAIR	689
SEWER OPENINGS INSPECTED	202
DRIVEWAYS INSPECTED	183
MEMORIAL SQUARES, SIGNS REPAINTED AND RELETTERED	48
MEMORIAL SQUARES APPROVED BY COUNCIL	2
STREETS ABANDONED BY COUNCIL AND SIGNS ERECTED	5
WASHOUT DEPRESSIONS INSPECTED	243
SIDEWALK CLAIMS INVESTIGATED	29
STREET SIGNS REPAINTED AND RELETTERED	100
POLE OPENINGS INSPECTED	119
TOTAL LIN.FT. OF TAR CONCRETE SIDEWALKS BUILT	22383
TOTAL LIN.FT. OF CEMENT CONCRETE SIDEWALKS BUILT	31410

THIS SECTION IS CONTINUALLY REPLACING ALL DEFECTIVE STREET SIGNS WITH NEW BLACK AND WHITE METAL SIGNS. 500 SIGNS HAVE BEEN ORDERED AND ERECTED.

FORESTRY SECTION

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

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$62,071.12
ITEM 1 SERVICES OTHER THAN PERSONAL	12,418.52
ITEM 2 MATERIALS AND SUPPLIES	4,671.57
ITEM 5 CAPITAL OUTLAY	22.18
TOTAL	<u>\$79,183.39</u>

REVENUE \$6,441.07

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 REMOVAL 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.

THERE ARE APPROXIMATELY 370 OF THESE DISEASED ELM TREES IN THE CITY, 190 BEING ON PRIVATE PROPERTY. THIS SECTION, CHARGED WITH THE REMOVAL AND DESTRUCTION OF THESE TREES HAS BEEN ASSISTING THE PROPERTY OWNERS TO ELIMINATE THIS CONDITION. 349 OF THESE TREES (149 ON PRIVATE PROPERTY) WERE REMOVED THIS YEAR. THIS REPRESENTS 60% OF THE WORK ACHIEVED BY THIS SECTION.

THIS SECTION HAS MOVED INTO ITS NEW BUILDING AT THE NURSERY SITE IN ROGER WILLIAMS PARK AND FOR THE FIRST TIME ALL ACTIVITIES ARE CENTRALIZED IN ONE LOCATION.

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 2600 TREES IN THE NURSERY.

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

NUMBER OF TREES PRUNED (REGULAR)	1,633
NUMBER OF TREES REMOVED (REGULAR)	345
NUMBER OF TREES SPRAYED	7,580
NUMBER OF TREES PLANTED	414

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:

15,900 TONS OF SAND
1,000 TONS OF SALT

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$129,900.21
ITEM 1 SERVICES OTHER THAN PERSONAL	74,886.37
ITEM 2 MATERIALS AND SUPPLIES	<u>43,340.28</u>
TOTAL	\$248,126.86

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	\$272,678.94
ITEM 1 SERVICES OTHER THAN PERSONAL	55,772.82
ITEM 2 MATERIALS AND SUPPLIES	14,144.23
ITEM 5 CAPITAL OUTLAY	<u>197.50</u>
TOTAL	\$342,793.49

REVENUE \$40,785.05

MAINTENANCE AND CONSTRUCTION WORK PERFORMED

FOLLOWING IS AN OUTLINE OF THE WORK:

GUTTER GRATE INLETS BUILT	5
BROKEN MANHOLE FRAMES AND COVERS REPLACED	14
MANHOLES REPAIRED	7
CATCH BASINS REPAIRED	10
BROKEN INLET STONES REPLACED	43

HOUSE CONNECTION AND SEWER LINES REPAIRED	26
GUTTER GRATES REPAIRED	2
CHUTES REBUILT AND REPAIRED	20
CONNECTIONS TO BASINS REBUILT	3

OTHER CONSTRUCTION AND MAINTENANCE WORK PERFORMED

1. REPAIRED SEAL POOL AT ROGER WILLIAMS PARK.
2. BUILT NEW BRICK FRONT ON HIGHWAY ROLLER SHED.
3. REPAIRED BRICK WALL IN BOILER ROOM, BUILDING No.1.
4. BUILT BRICK ENCLOSURE FOR FUEL OIL TANK IN SEWAGE PUMPING STATION.
5. CONSTRUCTED SEWER ~~SYPHON~~ UNDER WOONASQUATUCKET RIVER AT MERINO PARK.
6. REBUILT BUILDING ON WEST END OF SYPHON, CRARY STREET BUILDING No.5.
7. REBUILT 15' OF 24" STORM SEWER ON ALLENS AVE. AT ALABAMA AVENUE.
8. CLEARED CULVERT FOR MASHAUG BROOK AT RESERVOIR AVENUE.

REPORT ON OIL AND GASOLINE INSPECTIONS

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

INSPECTORS MADE 1285 VISITS AND DISCOVERED VERY FEW INFRACTIONS OF THE LAW. AFTER BEING NOTIFIED TO MAKE NECESSARY IMPROVEMENTS THE DEFICIENCIES WERE PROMPTLY CORRECTED.

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

6651 BASINS CLEANED	15,947.09 CU.Yds.
56 SUMPS CLEANED	102.50 CU.Yds.
742 GUTTER GRATES CLEANED	611.118CU.Yds.
1332 COMPLAINTS RECEIVED	ALL CLEARED
LINES FLUSHED	39,060 FEET

STREET OPENINGS

STREET OPENINGS FOR PRIVATE DRAIN CONNECTIONS, 102

WORK PERFORMED IN CONJUNCTION WITH HIGHWAY SECTION

BASINS BROUGHT TO GRADE	84
MANHOLES BROUGHT TO GRADE	575

PUBLIC BUILDING 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	\$68,663.91
ITEM 1 SERVICES OTHER THAN PERSONAL	10,857.68
ITEM 2 MATERIALS AND SUPPLIES	947.79
ITEM 5 CAPITAL OUTLAY	<u>1,082.89</u>
TOTAL	\$81,552.27

REVENUE \$688.25

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

1. SUPERVISED REPAIRS AND ADDITIONS TO ALL THE BUILDINGS OF THE SCHOOL DEPARTMENT, POLICE AND FIRE DEPARTMENTS, RECREATION DEPARTMENT, TRAFFIC ENGINEERS DEPARTMENT, WELFARE DEPARTMENT, BATH HOUSES, COMFORT STATIONS AND CITY HALL.
2. SUPERVISED THE CONSTRUCTION OF THE NEW MUNICIPAL GARAGE AT ALLENS AVENUE AND ERNEST STREET.
3. SUPERVISED PREPARATION OF PLANS, SPECIFICATIONS AND CONSTRUCTION OF NEW SOUTH PROVIDENCE ELEMENTARY SCHOOL.
4. SUPERVISED PLANS, SPECIFICATIONS AND CONSTRUCTION OF SHELTER AT CAMP AND CYPRESS PLAYGROUND.
5. SUPERVISED PLANS AND ALTERATIONS TO SHELTER AT VALLEY STREET PLAYGROUND.
6. PREPARED PLANS FOR SITE IMPROVEMENTS AT BLACKSTONE PARK.
7. SUPERVISED THE DEMOLITION OF VARIOUS CITY-OWNED BUILDINGS.
8. SUPERVISED THE PREPARATION OF PLANS AND SPECIFICATIONS FOR NEW GYMNASIUM AND SWIMMING POOL AT JOSLIN STREET.
9. SUPERVISED PREPARATION OF PLANS AND SPECIFICATIONS FOR WORK UNDER THE SCHOOL MODERNIZATION PROGRAM.

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 AND OPERATING EXPENSES AND PURCHASE THE RENTAL EQUIPMENT OF THESE SECTIONS.

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

CONSTRUCTION AND MAINTENANCE SHOPS AND STORES

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

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

PUBLIC WORKS ADMINISTRATION	SNOW REMOVAL SECTION
PUBLIC SERVICE DIVISION	FORESTRY SECTION
ENGINEERING DIVISION	SIDEWALKS AND CURBING SECTION
BUSINESS MANAGEMENT DIVISION	PUBLIC BUILDINGS SECTION
HIGHWAY SECTION	STREET CLEANING SECTION
BRIDGE MAINTENANCE SECTION	

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

A LIST OF THE AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

2 TANK TRUCKS	2 SHOVELS 3/4 CU.YD.
2 COMPRESSORS, TRUCK MOUNTED	5 ROAD GRADERS
33 DUMP TRUCK 4 CU.YDS.	2 MIST SPRAYERS
6 DUMP TRUCKS 6 CU.YDS.	2 CONCRETE MIXERS 3 S
5 DUMP TRUCKS 3 CU.YDS.	9 STREET SWEEPERS
2 PICKUP TRUCKS 1/2 TON	9 SNOW LOADERS
1 STAKE BODY TRUCK 1 TON	4 LAWN MOWERS-POWER
1 PANEL TRUCK 1/2 TON	19 TAIL GATE SPREADERS
1 EXPRESS BODY TRUCK 2 1/2 TON	80 SNOW FLOWS
1 EXPRESS BODY TRUCK 1/2 TON	1 TRAILER 50-TON
3 CARGO TRUCKS 6 TON	2 TRACTORS
15 PASSENGER CARS	3 ROLLERS 10-14 TON TANDEM
6 AIR COMPRESSORS PORTABLE	1 ROLLER 10-12 TON TANDEM
1 CONCRETE MIXER 10 S	1 ROLLER 8-12 TON TANDEM
1 FRONT END LOADER	1 ROLLER 10-12 TON 3 WHEEL
1 GRADALL	3 ROLLERS 3-5 TON TANDEM
2 HOIST TRUCKS 1500#	1 ROLLER 3-5 TON PORTABLE
1 HOIST TRUCK 3000#	1 PAVER, ASPHALT
2 BULLDOZERS TD 18	3 TOOL HEATERS
1 SKY WORKER	2 LEAF COLLECTORS
1 SHOVEL 3/8 CU.YDS.	5 GENERATORS, PORTABLE
2 WALTERS SNOW FIGHTERS	

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

DURING THE YEAR THE FOLLOWING NEW EQUIPMENT WAS PURCHASED BY THE SECTION AND INCORPORATED IN THE RENTAL POOL:

14 DUMP TRUCKS	1 PASSENGER CAR
1 AIR COMPRESSOR	1 GRADER
1 BULLDOZER TD 18	2 ROLLERS 3-5 TON TANDEM
1 TOOL HEATER	1 ROLLER 10-14 TON TANDEM

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

1 CLARK HOIST	AUTOMOTIVE REPAIR SHOP
1 AIR COMPRESSOR	PAINT SHOP
1 INSLEY CRANE	SEWAGE DISPOSAL WORKS
1 EMERGENCY MOTOR AND GENERATOR	POINT STREET BRIDGE
1 BULLDOZER TD 9	CITY DUMP
2 BUCKETS, 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 \$69,233.96 IN MATERIALS, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1956.

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
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 (3 IN.)
1 CARGO TRUCK (1 TON)	1 CENTRIFUGAL PUMP (1½ IN.)
1 PICKUP TRUCK	1 SEWER ROD POWER DRIVER
	1 SET OF SEWER WRENCHES

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

DURING THE YEAR THE FOLLOWING EQUIPMENT WAS PURCHASED:

1 AUTOMOBILE	1 DERRICK TRUCK
1 EDUCTOR	2 DUMP TRUCKS

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 IS PERFORMED PRIMARILY BY THE CARPENTER SHOP.

THE WORK IN EITHER CASE IS PAID FOR BY THE AGENCY CONCERNED, BY PAYING FOR THE TOTAL COST OF BOTH LABOR AND MATERIALS PLUS 10% OF THE TOTAL COST. THE REVENUE THUS EARNED IS USED TO DEFRAY THE COST OF OPERATION PLUS THE COST OF EQUIPMENT REPLACEMENT.

THE STOCK ROOM CARRIES MUCH OF THE MATERIALS, PARTS AND SUPPLIES REQUIRED BY THE SEWER MAINTENANCE SECTION.

AN INVENTORY OF \$12,998.84 IN MATERIALS, SUPPLIES, AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1956.

RECOMMENDATIONS

NEW FENCES SHOULD BE BUILT ON THE BRIDGE AT MARKET SQUARE BETWEEN WESTMINSTER STREET AND EXCHANGE PLACE.

ONE EDUCTOR (FOR CLEANING BASINS) SHOULD BE PURCHASED FOR THE SEWER MAINTENANCE SECTION TO REPLACE 1952 MODEL. THE 1950 3/4 TON PICKUP TRUCK SHOULD ALSO BE REPLACED FOR THIS SECTION.

SIDEWALKS ON THE FOLLOWING BRIDGES, ACORN STREET, GLENBRIDGE AVENUE, WEST RIVER STREET, SMITH STREET AND PARK STREET SHOULD BE COMPLETELY REBUILT.

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.

THE UNDERSIDE OF THE BRIDGE IN POST OFFICE SQUARE, MARKET SQUARE AND CRAWFORD STREET AREA SHOULD BE THOROUGHLY SCRAPPED AND PAINTED.

THE UNDERSIDE OF RED BRIDGE AND MERINO BRIDGE SHOULD BE PAINTED.

A NEW STREET SWEEPER SHOULD BE PURCHASED TO REPLACE THE 1947 WAYNE SWEEPER. THIS SWEEPER IS NOW IN NEED OF MAJOR REPAIRS AND THE MAINTENANCE COST IS EXHORBITANT.

THE ADNUM PAVER FOR SPREADING ASPHALT HOT MIX SHOULD BE REPLACED; THE MAINTENANCE IS VERY HIGH AND THE UNIT IS NOW IN NEED OF EXTENSIVE REPAIRS. IT IS NINE YEARS OLD.

RECOMMEND THAT ONE OF THE FIVE ROAD GRADERS BE REPLACED. FOUR 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 THIS YEAR.

THE TOOL WAGONS USED BY THE CONSTRUCTION GANGS OF THE HIGHWAY SECTION ARE IN POOR CONDITION; THE WHEELS ARE BROKEN AND BEING OF AN OBSOLETE TYPE IT IS IMPOSSIBLE TO REPLACE THEM. SIX STEEL TRAILER TYPE TOOL WAGONS MOUNTED ON PNEUMATIC TIRE WHEELS SHOULD BE PURCHASED TO REPLACE THE OLD WAGONS.

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.

A NEW 125 CFM PORTABLE AIR COMPRESSOR SHOULD BE PURCHASED FOR THE HIGHWAY SECTION.

NEW BOILERS HAVE BEEN INSTALLED IN THE HIGHWAY REPAIR SHOP, BUT THE HEATING COILS AND PIPING IN THE SHOPS ARE SAGGING, RUSTED OUT AND IN POOR CONDITION. THE SHOPS SHOULD BE RE-PIPED AND NEW UNIT HEATERS INSTALLED.

THE OLD ROCK CRUSHER IN THE HIGHWAY YARD, WHICH IS USED TO MIX AND STORE SAND AND SALT USED FOR THE CONTROL OF ICE, IS IN VERY POOR CONDITION STRUCTURALLY AND SHOULD BE REPLACED WITH A NEW 600 TON UNIT.

THE 50-TON TRAILER USED TO MOVE CONSTRUCTION EQUIPMENT IS IN VERY POOR CONDITION. THE TRAILER IS TOO LARGE FOR THE WORK REQUIRED AND UNDER THE PRESENT SET-UP HAS SUCH A LARGE TURNING RADIUS THAT IT IS VERY CUMBERSOME TO MOVE AROUND THE CITY. IT ALSO NECESSITATES A GANG OF LABORERS TO PLACE THE SKIDS. RECOMMEND THAT A NEW 25-TON LOWBOY TRAILER WITH TRACTOR BE PURCHASED TO REPLACE IT.

A NEW FRONT END LOADER SHOULD BE PURCHASED FOR THE HIGHWAY SECTION.

REPLACE CITY FORESTRY 1946 AUTOMOBILE WITH NEW ONE.

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 1955-1956. THIS DIVISION IS DIVIDED INTO THE FOLLOWING SECTIONS:

SANITATION ADMINISTRATION
STREET CLEANING
SEWAGE PUMPING SECTION
SEWAGE DISPOSAL
REFUSE COLLECTION AND DISPOSAL
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 SECTIONS, 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	\$10,036.00
ITEM 1 SERVICES OTHER THAN PERSONAL	801.55
ITEM 2 MATERIALS AND SUPPLIES	39.00
ITEM 5 EQUIPMENT	94.08
TOTAL	<u>\$10,970.63</u>

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 RAILROAD BRIDGE

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

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.

THE SELF CLOSING TRASH CANS - 172 IN NUMBER WERE EMPTIED FOUR TIMES DAILY.

NINE MECHANICAL SWEEPERS WERE IN OPERATION BOTH DAY AND NIGHT DURING THE YEAR EXCEPT DURING THE WINTER MONTHS.

A DUAL GUTTER BROOM SWEEPER IS IN SERVICE AND IS CAPABLE OF CLEANING GUTTERS FROM EITHER SIDE OF THE SWEEPER, AND IS 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 BY SPECIAL GANGS	220 MILES
BEAT PATROL - ASSIGNED ROUTES	9150 MILES
MACHINE BROOM SWEEPING	17600 MILES
AMOUNT COLLECTED BY HAND BROOM SWEEPING	5360 TONS
AMOUNT COLLECTED BY BEAT PATROL AND STREET CONTAINERS	5831 TONS
AMOUNT COLLECTED BY MACHINE SWEEPING	12533 TONS

THE EXPENDITURES FOR THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$290,270.88
ITEM 1 SERVICES OTHER THAN PERSONAL	78,280.27
ITEM 2 MATERIALS AND SUPPLIES	<u>1,893.55</u>
TOTAL	<u>\$370,444.70</u>

SEWAGE PUMPING STATION

THIS SECTION OF THE SANITATION DIVISION IS CHARGED WITH THE OPERATION AND MAINTENANCE OF THE THREE SEWAGE PUMPING STATIONS IN THE CITY. THE MAIN STATION, NO.1 IS LOCATED ON ERNEST STREET AND HANDLES ABOUT ALL OF THE SEWAGE FLOW. STATION NO.2 IS LOCATED IN THE HARBORSIDE PARK DEVELOPMENT AND STATION NO.3 IS LOCATED ON RESERVOIR AVENUE NEAR THE CITY LINE. THE MAIN STATION HAS A CAPACITY OF TWO HUNDRED MILLION GALLONS PER DAY.

THE POWER TO OPERATE THE MAIN STATION IS SUPPLIED BY THE GARBAGE INCINERATOR PLANT. POWER FOR THE OTHER TWO STATIONS IS PURCHASED FROM THE LOCAL POWER COMPANY. THE TWO SMALLER STATIONS OPERATE AUTOMATICALLY AND ARE IN OPERATION DURING THE TWENTY FOUR HOURS OF THE DAY. THE MAIN PUMPING STATION IS ALSO IN OPERATION DURING THE TWENTY FOUR HOURS DAILY.

THE PERSONNEL OF THIS SECTION CONSISTS OF A TOTAL OF FOURTEEN MEN, ONE CHIEF ENGINEER, FOUR OPERATORS AND NINE LABORERS. THIS CREW OPERATES AND MAINTAINS THE PUMPING STATIONS.

THE TOTAL MONTHLY FLOW IN MILLION GALLONS FOR EACH STATION FOR THE FISCAL YEAR WAS AS FOLLOWS:

	STATION No.1 <u>ERNEST STREET</u>	STATION No.2 <u>WASHINGTON PARK</u>	STATION No.3 <u>RESERVOIR AVENUE</u>	<u>TOTAL</u>
1955				
OCTOBER	1657.0	13.0	3.0	1673.0
NOVEMBER	1527.0	13.0	3.0	1543.0
DECEMBER	1024.0	12.0	3.0	1039.0
1956				
JANUARY	1364.0	12.0	3.0	1379.0
FEBRUARY	1388.0	11.0	2.0	1401.0
MARCH	1516.0	11.0	2.0	1529.0
APRIL	1545.0	13.0	3.0	1561.0
MAY	1285.0	14.0	4.0	1303.0
JUNE	1209.0	13.0	3.0	1225.0
JULY	1300.0	12.0	3.0	1315.0
AUGUST	1114.0	12.0	3.0	1129.0
SEPTEMBER	<u>1121.0</u>	<u>12.0</u>	<u>3.0</u>	<u>1136.0</u>
TOTALS	16050.0	148.0	35.0	16233.0

THE POWER CONSUMED BY THE MAIN PUMPING STATION DURING THE YEAR WAS AS FOLLOWS:

	<u>1955</u>	<u>K.W.H.</u>
	OCTOBER	293400
	NOVEMBER	249300
	DECEMBER	185700
1956	JANUARY	216600
	FEBRUARY	241000
	MARCH	278400
	APRIL	259600

MAY	225500
JUNE	206286
JULY	218378
AUGUST	139442
SEPTEMBER	<u>189867</u>
TOTAL	2753473

THE MUNICIPAL GARAGE ON ERNEST STREET WAS SUPPLIED WITH 2,627 K.W.H. OF ELECTRICITY THROUGH THE SEWAGE PUMPING STATION METER.

EXPENDITURES FOR THE FISCAL YEAR WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$49,673.39
ITEM 1 SERVICES OTHER THAN PERSONAL	1,252.02
ITEM 2 MATERIALS AND SUPPLIES	17,409.50
ITEM 5 EQUIPMENT	<u>7,222.00</u>
TOTAL	\$75,556.91

REVENUE	\$143.76
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SEWAGE DISPOSAL WORKS

THIS SECTION IS CHARGED WITH THE TREATMENT AND DISPOSAL OF THE ENTIRE FLOW OF SEWAGE FROM THE CITY OF PROVIDENCE, THE TOWN OF NORTH PROVIDENCE, AND THE WASTES FROM THE NARRAGANSETT BREWING COMPANY OF CRANSTON. THE SEWAGE DISPOSAL PLANT IS LOCATED IN THE SOUTHEASTERN SECTION OF THE CITY NEAR MUNICIPAL WHARF.

THE FOLLOWING TABLE SHOWS THE STATISTICS FOR THE DISPOSAL PLANT FOR THE FISCAL YEAR.

POPULATION SERVED BY THE DISPOSAL WORKS (ESTIMATED)

PROVIDENCE	249,000
PAWTUCKET	10,000
NORTH PROVIDENCE	7,500
TOTAL CONNECTED POPULATION	266,500

SEWAGE FLOW

PROVIDENCE	15,119.00	MILLION GALLONS
PAWTUCKET	200.00	MILLION GALLONS
NORTH PROVIDENCE	2,493.86	MILLION GALLONS
NARRAGANSETT BREWING COMPANY	<u>118.77</u>	MILLION GALLONS
TOTAL FLOW	17,931.63	MILLION GALLONS

SUMMARY OF OPERATIONS

TOTAL FLOW OF SEWAGE	17,931.63 M.G.
AVERAGE DAILY FLOW	49.12 M.G.
MAXIMUM DAILY FLOW (NOVEMBER 4, 1955)	107.24 M.G.
MINIMUM DAILY FLOW (AUGUST 5, 1956)	28.74 M.G.
TOTAL AIR USED FOR AERATION	2,765.60 M.C.F.*
CALCIUM HYPOCHLORITE USED	5,231.04 TONS
CHLORINE AS HYPOCHLORITE	412.92 TONS
LIQUID CHLORINE	304.28 TONS
TOTAL CHLORINE USED	717.20 TONS

FERRIC CHLORIDE USED	34,87 TONS
LIME	80,30 TONS
GRIT AND SCREEN REMOVALS	4,554,66 TONS
SLUDGE INCINERATED	3,296,46 TONS
ASH REMOVED FROM INCINERATOR	542,40 TONS
FUEL OIL USED IN INCINERATOR (No.5)	96,420,00 GALS.

*AIR BLOWERS WERE SHUT DOWN IN JUNE WHEN DEMOLITION WORK WAS STARTED ON THE AERATION TANKS.

ELECTRIC POWER USED FROM THE GARBAGE INCINERATOR:

1955	K.W.H.
OCTOBER	272,300
NOVEMBER	260,800
DECEMBER	275,200
1956	
JANUARY	183,600
FEBRUARY	153,300
MARCH	107,300
APRIL	189,400
MAY	240,800
JUNE	201,800
JULY	72,400
AUGUST	60,000
SEPTEMBER	60,400

EXPENDITURES FOR THE YEAR

ITEM 0 PERSONAL SERVICES	\$103,853.55
ITEM 1 SERVICES OTHER THAN PERSONAL	9,249.64
ITEM 2 MATERIALS AND SUPPLIES	<u>125,194.31</u>
TOTAL	\$238,297.50
REVENUE	\$2,964.88

IN JUNE OF 1956, THE BAYLOR CONSTRUCTION COMPANY UNDER THE SUPERVISION OF THE ENGINEERING FIRM OF METCALF & EDDY, COMMENCED WORK ON THE REBUILDING PROGRAM FOR THE SEWAGE DISPOSAL PLANT.

TWO NEW CHLORINE SOLUTION PUMPS WERE INSTALLED BY CITY PERSONNEL UNDER THE SUPERVISION OF B-I-F INDUSTRIES FIELD ENGINEERS, IN ACCORDANCE WITH THE RECOMMENDATIONS MADE BY METCALF & EDDY. DESIGN DIFFICULTIES WERE ENCOUNTERED WITH THIS INSTALLATION AND SATISFACTORY RESULTS WERE NOT OBTAINED UNTIL THE SUMMER OF 1956. A 4-IN. POLYTHELENE LINE WAS LAID FROM THE SOLUTION PUMPS TO THE SOUTH SECTION OF THE EFFLUENT CHANNEL FROM THE PRIMARY TANKS, A DISTANCE OF ABOUT 500 FT. THE PURPOSE OF APPLYING THE CHLORINE AT THIS POINT WAS TO UTILIZE THE FINAL CLARIFIERS AS CHLORINE CONTACT TANKS. THE ALTERNATE METHOD OF CHLORINATION (THE APPLICATION OF LIME BLEACH TO THE EFFLUENT FROM THE PRIMARY TANKS AS IT FLOWS UNDER No.7 GATE) HAS BEEN RETAINED IN OPERATION AS AN ADDITIONAL MEANS OF CHLORINATION.

A NEW SEWAGE PUMP WAS INSTALLED TO REPLACE "C" PRIMARY SLUDGE PUMP, WHICH HAD DETERIORATED TO SUCH A CONDITION THAT IT COULD NOT ECONOMICALLY BE PLACED IN USABLE CONDITION.

"A" AND "B" PRIMARY SLUDGE PUMPS WERE REBUILT BY PLANT PERSONNEL UTILIZING USABLE PARTS FROM THE DISCARDED "C" PUMP, AND THEY SHOULD LAST OUT THE PERIOD FOR WHICH THEY WILL BE REQUIRED.

CONSIDERABLE REPAIR AND MAINTENANCE WORK HAS BEEN CARRIED ON BY PLANT PERSONNEL DURING THE PAST YEAR ON THE BLOWER HOUSE, FILTER BUILDING, CHLORINIZER HOUSE ETC., SUCH AS REGLAZING OF ALL WINDOWS AND REPLACING OF BROKEN PANES, PAINTING OF SASHES, DOORS, AND OTHER INTERNAL AND EXTERNAL WOODWORK. A LABORATORY AND OFFICE WERE SET UP IN THE BLOWER HOUSE TO SERVE WHILE THE OLD LABORATORY AND OFFICE BUILDING IS UNDERGOING RENOVATION AND RECONSTRUCTION.

THE FOLLOWING WORK WAS ACCOMPLISHED BY PLANT PERSONNEL DURING THE PAST FISCAL YEAR.

ROUTINE MAINTENANCE AND REPAIR OF DETRITERS, GRIT AND SLUDGE COLLECTING EQUIPMENT, AND CLARIFIERS.

DOMESTIC TRIPLEX PUMP USED TO RECIRCULATE SLUDGE TO THE HOLDING TANKS WAS COMPLETELY OVERHAULED.

No.1 AND No.2 VACUUM PUMPS WERE OVERHAULED WITH SOME OCCASIONAL SUPERVISION BY AN INGERSOLL-RAND FIELD ENGINEER.

FLIGHTS, CHAINS AND SPROCKETS IN No.2 AND No.3 HOLDING TANKS, WORN OUT BY USE AND DETERIORATION, WERE ALL REPLACED.

TWO SLUDGE BUCKET ELEVATORS WERE REBUILT WITH THE INSTALLATION OF NEW BUCKETS, DRIVE SPROCKETS, CHAINS, AND HEAD SHAFTS. SOME WORN OUT BUCKETS WERE REPLACED ON THE OTHER TWO ELEVATORS AND SPROCKETS, CHAINS, AND HEAD SHAFTS ARE ON HAND TO BE INSTALLED ON THEM DURING THE CURRENT YEAR.

CHAINS AND FLIGHTS ON BOTH GRIT COLLECTORS WERE REPLACED, AND THE FLIGHT GUIDE RAILS WERE REINFORCED OR REPLACED WITH NEW STOCK BY A LOCAL WELDING FIRM.

WORN OUT BUCKETS ON THE ASH ELEVATOR WERE REPLACED, AS WERE ALSO THE CHAINS, DRIVE SHAFTS, SPROCKETS AND BEARINGS FOR UPPER AND LOWER HOUSINGS.

GARBAGE COLLECTION AND DISPOSAL

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

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

THE MATERIAL COLLECTED IS DISPOSED OF IN AN INCINERATOR AT FIELDS POINT. THERE ARE TWO 160 TON PER DAY INCINERATING UNITS, EACH WITH TWO WASTE HEAT BOILERS FOR STEAM GENERATION AND THE STEAM PRODUCED IS USED TO DRIVE THE WESTINGHOUSE TURBO-GENERATOR. THERE ARE TWO GENERATORS IN THE POWER PLANT, EACH WITH A CAPACITY OF 1250 K.W. BOTH THE INCINERATOR AND THE POWER PLANT ARE IN OPERATION TWENTY-FOUR HOURS PER DAY.

THIS SECTION ALSO HAS THE TASK, WHEN NECESSARY, DURING WINTER MONTHS OF PLOWING SNOW. CERTAIN SECTIONS OF THE CITY ARE ASSIGNED TO THIS DEPARTMENT AND THE WORK IS DONE BY THE GARBAGE COLLECTION TRUCKS AND EMPLOYEES.

ALL AUTOMOTIVE EQUIPMENT USED BY THIS SECTION IS RENTED FROM THE SANITATION SHOP AND STORES AT THE NEW GARAGE AT FIELDS POINT.

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

ITEM 0 PERSONAL SERVICES	\$466,386.56
ITEM 1 SERVICES OTHER THAN PERSONAL	174,783.31
ITEM 2 MATERIALS AND SUPPLIES	<u>10,798.22</u>
TOTAL	\$651,968.09

REVENUE	\$8,913.99
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THE FOLLOWING IS THE TOTAL GARBAGE AND RUBBISH DISPOSED OF BY THIS DEPARTMENT FROM OCTOBER, 1955 TO SEPTEMBER, 1956:

<u>1955</u>	GARBAGE (TONS)	RUBBISH (TONS)
OCTOBER	3,036.49	<u>2,313.84</u>
NOVEMBER	3,024.78	1,929.66
DECEMBER	2,921.87	2,443.35
<u>1956</u>		
JANUARY	2,907.62	3,310.60
FEBRUARY	2,825.90	2,905.15
MARCH	3,182.97	1,326.10
APRIL	2,909.40	2,162.00
MAY	3,289.10	2,520.90
JUNE	2,880.58	2,503.21
JULY	3,513.90	2,943.20
AUGUST	2,969.20	2,837.70
SEPTEMBER	<u>3,050.60</u>	<u>2,473.15</u>
TOTALS	36,512.41	29,673.86
COMBINED TOTAL	66,186.27	

DAILY AVERAGE FOR COLLECTION BASED ON 313 WORKING DAYS

GARBAGE	116.65 TONS
RUBBISH	<u>94.80 TONS</u>
TOTAL	211.45 TONS

DAILY AVERAGE FOR DISPOSAL BASED ON 365 WORKING DAYS

GARBAGE	100.03 TONS
RUBBISH	<u>81.29 TONS</u>
TOTAL	181.32 TONS

DURING THE FISCAL YEAR, 60,000 GALLONS OF NO.6 FUEL OIL WAS USED TO MAINTAIN THE STEAM PRESSURE IN TIMES OF EMERGENCY OR MECHANICAL BREAKDOWN.

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

<u>1955</u>	TONS
OCTOBER	<u>926.90</u>
NOVEMBER	747.50
DECEMBER	935.53

<u>1956</u>	<u>TONS</u>
JANUARY	1,023.50
FEBRUARY	961.50
MARCH	634.50
APRIL	746.00
MAY	875.60
JUNE	822.96
JULY	999.20
AUGUST	989.50
SEPTEMBER	<u>832.50</u>
TOTAL	10,495.19

YEARLY REPORT, FISCAL YEAR OCTOBER 1, 1955-SEPTEMBER 30, 1956

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

<u>1955</u>	<u>SEWAGE PUMPING STA.</u>	<u>SEWAGE DISPOSAL</u>	<u>STATION POWER</u>
OCTOBER	293,400	272,300	92,300
NOVEMBER	249,300	260,800	89,900
DECEMBER	185,700	275,200	103,100
1956			
JANUARY	216,600	183,600	91,800
FEBRUARY	241,000	153,300	90,700
MARCH	278,400	107,300	89,300
APRIL	259,600	189,400	81,000
MAY	225,500	240,800	91,700
JUNE	207,000	201,800	85,200
JULY	219,000	72,400	83,600
AUGUST	190,000	60,000	84,000
SEPTEMBER	<u>190,600</u>	<u>60,400</u>	<u>84,400</u>
TOTALS	2,756,100 K.W.H.	2,077,300 K.W.H.	1,067,000 K.W.H.

TOTAL POWER GENERATED	5,900,400 K.W.H.
AVERAGE DAILY DISTRIBUTED LOAD	13,242 "
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE DISPOSAL PLANT	7,550 "
AVERAGE DAILY DISTRIBUTED LOAD TO PUMPING STATION	8,691 "
AVERAGE DAILY DISTRIBUTED LOAD USED AT INCINERATOR	2,923 "

GARBAGE COLLECTION AND DISPOSAL

THE FOLLOWING IS A SUMMARY OF REPAIR WORK PERFORMED IN THE NEW AND OLD INCINERATORS AT FIELDS POINT:

THE TURBINE ROOM WAS GIVEN A COMPLETE PAINT JOB.

STEAM PIPE WAS INSTALLED IN THE NEW GARAGE TO BE USED FOR A COMPLETE CLEANING JOB OF TRUCK MOTORS, PARTS, BODIES AND GARAGE FLOORS. A KERRICK KLEENER WAS FORMERLY USED FOR THIS WORK. THIS METHOD WAS CUMBERSOM AND EXPENSIVE AS THE MACHINE WAS OPERATED ON KEROSENE OIL.

THE TWO FUEL OIL PUMPS WERE GIVEN A GENERAL OVERHAUL BY INCINERATOR EMPLOYEES. BOTH PUMPS ARE NOW WORKING IN A SATISFACTORY MANNER.

SEVERAL JOBS IN THE SANITATION DIVISION, SUCH AS WELDING, PIPING AND ELECTRICAL WORK WAS PERFORMED BY EMPLOYEES OF INCINERATOR SECTION, THEREBY SAVING THE COST OF EMPLOYING OUTSIDE HELP.

DURING THE MAJOR REPAIR JOB IN THE BOILERS OF UNIT No.2 THE GRATES WERE GIVEN A COMPLETE OVERHAUL AND PUT IN FIRST CLASS CONDITION. THREE DAMPER GATES WERE INSTALLED INCLUDING ALL BRICK AND MECHANICAL WORK. A NEW 3 INCH HIGH PRESSURE BY-PASS WAS INSTALLED IN THE HIGH PRESSURE STEAM LINE.

DURING THE OVERHAUL JOB ON THE TURBINES ALL PIPING WAS DISMANTLED, CLEANED OF ALL FOREIGN MATTER AND PUT BACK IN PLACE. THE WORK ON OVERHAUL OF THE TURBINES WAS SUPERVISED BY A WESTINGHOUSE ENGINEER AND ALL LABOR WAS DONE BY INCINERATOR EMPLOYEES. ALL ELECTRICAL WORK NECESSARY DURING TURBINE OVERHAUL JOB WAS DONE BY THE SANITATION DIVISION ELECTRICIAN

NEW DRAIN PIPE WAS INSTALLED IN THE INDUCED AND FORCED DRAFT FANS IN PLANT No.1.

THE ASH CONVEYOR WAS SCRAPED, WIRE BRUSHED, AND GIVEN A COAT OF RED LEAD AND FINISHED OFF WITH A COAT OF QUIGLEY TRIPLE AAA. SEVERAL SECTIONS OF THE NEW ASH CONVEYOR WERE INSTALLED DURING THE YEAR.

BOTH METAL SMOKE STACKS, FROM THE GROUND FLOOR TO THE ROOF, WERE RED LEADED AND GIVEN A COAT OF QUIGLEY TRIPLE AAA.

BRICK WORK WAS INSTALLED AT THE END OF THE DUMPING GRATES AND OTHER MISCELLANEOUS BRICK WORK WAS DONE BY INCINERATOR EMPLOYEES.

THE ELECTRIC CRANE IN PLANT No.2 WAS GIVEN A COMPLETE OVERHAUL BY THE INCINERATOR ELECTRICIAN.

A NEW DUMPING PLATE WAS INSTALLED IN THE PRIMARY GRATE OF UNIT No.1.

TWENTY ONE (21) CORROSION DAMAGED BOILER TUBES WERE REMOVED AND REPLACED WITH NEW TUBES. THIS WORK WAS DONE BY INCINERATOR EMPLOYEES.

REFUSE COLLECTION AND DISPOSAL

THIS SECTION OF THE SANITATION DIVISION IS CHARGED WITH THE COLLECTION AND DISPOSAL OF NON-COMBUSTIBLE REFUSE FROM THE RESIDENTIAL SECTIONS OF THE CITY. THE CITY IS DIVIDED INTO FOUR AREAS AND EACH AREA IS SUB-DIVIDED INTO TWENTY ROUTES. A MONTHLY COLLECTION IS PROVIDED FOR ALL RESIDENTIAL AREAS. DURING EACH MONTH, NON-COMBUSTIBLE REFUSE IS COLLECTED FROM ALL FIRE STATIONS, POLICE STATIONS, MAIN PUBLIC LIBRARY AND ALL BRANCH LIBRARIES AND CITY BUILDINGS.

A DRIVER AND TWO LABORERS ARE ASSIGNED TO EACH TRUCK AND AN AVERAGE OF EIGHT TRUCKS ARE USED TO MAKE COLLECTIONS DAILY. THREE NEW TRUCKS OF 16 CUBIC YARD CAPACITY WERE PUT IN SERVICE ON THE REFUSE COLLECTION. THE FIVE OLD TRUCKS HAVE A TOTALLY ENCLOSED BODY OF THIRTEEN CUBIC YARD CAPACITY. ALL MATERIALS COLLECTED ARE DISPOSED OF AT THE CITY-OWNED DUMP ON GANDY STREET. THE DUMPING AREA IS CONTROLLED AND NO COMBUSTIBLE REFUSE IS DISPOSED OF ON THE DUMP. AN ATTENDANT IS ON DUTY DURING THE DAY AND THE AREA IS LOCKED DURING THE NIGHT. A BULLDOZER IS USED TO LEVEL OFF ALL THE MATERIAL DUMPED. A NEW BULLDOZER WAS PUT IN SERVICE THIS YEAR.

THE AMOUNTS COLLECTED FROM ALL THE FOUR AREAS DURING THE FISCAL YEAR WERE AS FOLLOWS:

<u>1955</u>	<u>AREA I</u>	<u>AREA II</u>	<u>AREA III</u>	<u>AREA IV</u>
OCTOBER	1131	1365	1378	1079
NOVEMBER	1105	1235	1352	1196
DECEMBER	988	1339	1378	1300
<u>1956</u>				
JANUARY	1118	1274	1378	1235
FEBRUARY	1079	1430	1417	1430
MARCH	1053	1287	1222	1027
APRIL	1521	1456	1534	1352
MAY	1274	1625	1469	1339
JUNE	1196	1664	1612	1261
JULY	1118	1508	1404	1183
AUGUST	1079	1209	1274	1079
SEPTEMBER	1040	1287	1235	1235
TOTALS	13702	16679	16653	14716

THE TOTALS OF THE FOUR AREAS IS 61750 CUBIC YARDS WHICH IS ABOUT THE SAME AS THE TOTAL FOR THE LAST FISCAL YEAR.

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

ITEM 0 PERSONAL SERVICES	\$84,293.65
ITEM 1 SERVICES OTHER THAN PERSONAL	38,803.27
ITEM 2 MATERIALS AND SUPPLIES	<u>72.86</u>
TOTAL	\$123,169.78

REVENUE \$655.00

SANITATION SHOPS AND STORES REVOLVING FUND

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

ALL EQUIPMENT IS RENTED OUT TO THE VARIOUS SECTIONS ON AN HOURLY RATE. THE RENTAL PAYMENTS ARE MADE WEEKLY TO THE SANITATION REVOLVING FUND AND THESE MONIES ARE USED TO DEFRAY THE OPERATING EXPENSES OF THE SHOPS AND STORES AND TO PURCHASE NEW EQUIPMENT FOR USE BY THE DIVISION.

A LIST OF THE EQUIPMENT IN THIS SECTION FOLLOWS:

- 23 GARBAGE COLLECTION TRUCKS WITH LOAD PACKER TYPE BODIES.
- 8 REFUSE COLLECTION TRUCKS WITH SPECIAL REFUSE COLLECTION BODIES.
- 2 DUMP BODY TRUCKS FOR ASH DISPOSAL.
- 2 PICK-UP TRUCKS OF 1/2 TON CAPACITY.
- 1 PICK-UP TRUCK OF 3/4 TON CAPACITY.
- 5 PASSENGER CARS
- 1 BULLDOZER FOR USE ON DUMP.
- 1 SMALL AIR COMPRESSOR.

THE GARAGE AND REPAIR SHOP CONSISTS OF TWO AREAS - ONE, ONE HUNDRED FEET WIDE AND TWO HUNDRED FEET LONG IS USED FOR THE STORAGE OF ALL EQUIPMENT, THE OTHER, ONE HUNDRED FEET WIDE AND ONE HUNDRED FEET LONG IS USED FOR ALL REPAIRS AND STORAGE OF EQUIPMENT WHEN NECESSARY. ALL THE REPAIR WORK ON THE EQUIPMENT IS NOW DONE INSIDE AND THE REPAIR SHOP HAS ALL THE MODERN EQUIPMENT TO CARRY ON THIS WORK. A MACHINE SHOP IS PART OF THE REPAIR SHOP AND IT IS POSSIBLE FOR THIS SECTION TO MAKE AND REPAIR PARTS THAT HAVE BEEN PURCHASED OR REPAIRED BY OUTSIDE HELP. THE HEAT AND POWER FOR THE ENTIRE BUILDING IS FURNISHED BY THE GARBAGE INCINERATOR CLOSE BY.

DURING THE YEAR, THREE NEW 16 CUBIC YARD REFUSE COLLECTION TRUCKS, ONE BULLDOZER AND FOUR HEAVY CHASSIS FOR GARBAGE TRUCKS WERE PURCHASED. FOUR OF THE PRESENT GARBAGE COLLECTION BODIES WERE COMPLETELY OVERHAULED AND PLACED ON THE NEW CHASSIS.

THE SANITATION ADMINISTRATION OFFICE IS LOCATED IN THE FRONT END OF THIS BUILDING AND ALSO THE SCALE FOR WEIGHING ALL MATERIAL TO BE DUMPED IN THE GARBAGE INCINERATOR.

RECOMMENDATIONS

AN ENGINEER FROM HARNISCHFEGER CRANE CORPORATION, MILWAUKEE, WISCONSIN, OR THEIR AGENT BE ENGAGED TO SUPERVISE INCINERATOR EMPLOYEES IN A COMPLETE OVERHAUL OF ELECTRIC CRANE IN PLANT No.1. THIS CRANE HAS BEEN IN OPERATION FOR A PERIOD OF TWENTY YEARS AND IS IN NEED OF A COMPLETE OVERHAUL.

AN ADDITIONAL PUMP INSTALLED IN THE COOLING WATER SYSTEM FOR THE CONDENSERS AT THE INCINERATOR. AT THE PRESENT TIME THERE IS ONLY ONE PUMP IN THE LINE AND IF IT SHOULD FAIL THE WATER COOLING SYSTEM WOULD HAVE TO BE SHUT DOWN. PROVISIONS SHOULD BE MADE TO HAVE BOTH PUMPS SELF PRIMING.

A SMALL FEE SHOULD BE CHARGED ALL COMMERCIAL VEHICLES USING THE FIELDS POINT DISPOSAL FACILITIES. THE REVENUE COULD BE USED TO HELP PAY OPERATING COSTS. THIS SYSTEM IS USED BY A NUMBER OF CITIES IN THE COUNTRY.

THE STORAGE PIT AREA OF INCINERATOR PLANT No. 1 AND No. 2 SHOULD BE ENLARGED AND THE DUMPING AREA CLOSED IN TO PREVENT WINDS FROM BLOWING LOOSE PAPERS.

FUNDS BE MADE AVAILABLE FOR THE PAINTING OF THE SLUDGE INCINERATOR STACK, THE ASH STORAGE HOPPER AND THE CONVEYOR HOUSING. THIS WILL HAVE TO BE DONE BY OUTSIDE HELP.

RESPECTFULLY SUBMITTED

HOWARD F. CARPENTER
CHIEF OF SANITATION DIVISION.

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 REVENUE, EXPENDITURES
AND OPERATION OF THE PUBLIC SERVICE DIVISION FOR THE FISCAL YEAR 1955-1956:

PUBLIC SERVICE ADMINISTRATION

THE FOLLOWING PERMITS AND LICENSES WERE ISSUED DURING THE YEAR:

	<u>PERMITS</u>	<u>NEW LICENSES</u>	<u>RENEWALS</u>
BOILER OPERATORS	93	126	958
OPERATING ENGINEERS		38	901
REFRIGERATING MACHINE OPERATORS		4	29

REVENUE RECEIVED FROM LICENSES:

BOILER OPERATORS	\$2,546.00
OPERATING ENGINEERS	1,992.00
REFRIGERATING MACHINE OPERATORS	78.00
TOTAL	<u>\$4,616.00</u>

THE REVENUE OBTAINED FROM THE ABOVE LICENSES SHOWS AN INCREASE OVER THE
PREVIOUS FISCAL YEAR OF \$205.00.

CHANGES IN THE NUMBER OF LICENSES ISSUED IN THE ABOVE CATEGORIES AS
COMPARED TO THE PREVIOUS FISCAL YEAR:

BOILER OPERATORS	DECREASE	4
OPERATING ENGINEERS	INCREASE	79
REFRIGERATING MACHINE OPERATORS	INCREASE	12

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$13,806.00
ITEM 1 SERVICES OTHER THAN PERSONAL	1,330.85
ITEM 2 MATERIALS AND SUPPLIES	40.50
	<u>\$15,185.35</u>

DEPARTMENT OF PUBLIC SAFETY

	<u>TOTAL</u>	<u>BOXES</u>			<u>DOORS</u>	
		<u>AERIAL</u>	<u>U.G.</u>	<u>QUICK ACTION</u>	<u>KEY</u>	<u>KEYLESS</u>
FIRE ALARM	914	553	361	891	10	13
OWNER BY CITY	662	401	261	662	0	0
PRIVATELY OWNED	252	152	100	229	10	13
POLICE BOXES	167	103	64			

TOTAL NUMBER OF ALL BOX AND CABLE PEDESTALS	333
TOTAL NUMBER OF ALL FIRE ALARM BOX PEDESTALS	231
TOTAL NUMBER OF ALL POLICE BOX PEDESTALS	67
TOTAL NUMBER OF ALL CABLE PEDESTALS ONLY	35
TOTAL NUMBER OF MILES OF UNDERGROUND CABLE	85.15
TOTAL NUMBER OF MILES OF PARKWAY CABLE	1.47
TOTAL NUMBER OF MILES OF AERIAL CABLE	3.52
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR - UNDERGROUND	1285.40
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR - PARKWAY	6.42
TOTAL NUMBER OF MILES OF SINGLE CONDUCTOR FIRE ALARM BOX CIRCUIT AERIAL WIRE	123.90
TOTAL FOOTAGE OF ALL UNDERGROUND DUCTS AND LATERALS OWNED BY THE CITY	3545.6
TOTAL NUMBER OF POLES OWNED BY THE FIRE ALARM DIVISION	42
INCREASE IN THE NUMBER OF FIRE ALARM BOXES OWNED BY THE CITY	7
INCREASE IN THE NUMBER OF FIRE ALARM BOXES PRIVATELY OWNED	2

TRAFFIC ENGINEERING DEPARTMENT

TOTAL NUMBER OF TRAFFIC SIGNAL HEADS	1018
TOTAL NUMBER OF TRAFFIC SIGNAL POLES	507
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (LOCAL)	151
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (MASTER)	5
TOTAL NUMBER OF FEET OF UNDERGROUND DUCTS AND LATERALS	58615
TOTAL NUMBER MILES OF UNDERGROUND CABLE	25.3
TOTAL NUMBER MILES OF AERIAL CABLE	4.9
TOTAL NUMBER MILES OF EQUIVALENT SINGLE CONDUCTOR (UNDERGROUND CABLE)	127.6
TOTAL NUMBER MILES OF EQUIVALENT SINGLE CONDUCTOR (AERIAL CABLE)	23.8

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 TRAFFIC SIGNAL INSTALLATIONS HAVE BEEN MADE AT THE INTERSECTIONS OF HOPE AND OLNEY, BROAD AND MONTGOMERY, AND CLIFFORD AND CHESTNUT STREETS. NEW EQUIPMENT HAS BEEN INSTALLED AND OLD EQUIPMENT REMOVED FROM HOPE AND ROCAMBEAU, FRIENDSHIP AND BEACON, AND BUCKLIN STREET AND POTTERS AVENUE. IN CONJUNCTION WITH THE NORTH-SOUTH FREEWAY CONSTRUCTION, THE INTERSECTIONS OF BENEFIT STREET AND WICKENDEN STREET AND OF CHESTNUT STREET AND FRIENDSHIP STREET HAVE BEEN REMOVED FROM SERVICE.

UTILITY STRUCTURES IN THE STREETS OF THE CITY OF PROVIDENCE AS OF SEPTEMBER 30, 1956.

FOLLOWING IS AN INVENTORY OF THE UTILITY STRUCTURES IN THE STREETS OF THE CITY OF PROVIDENCE AS COMPILED FROM THE DETAILS FURNISHED BY THE VARIOUS COMPANIES, OR DEPARTMENTS OWNING OR OPERATING SUCH EQUIPMENT IN THE STREETS OF THE CITY:

PROVIDENCE GAS COMPANY

TOTAL GAS SERVICES IN PROVIDENCE	39,190
MILES OF MAIN	399.2
GAS HOLDERS	4
NUMBER OF METERS (ACTIVE)	61,602
DECREASE IN GAS SERVICES	19
INCREASE IN MILES OF MAIN	.1
DECREASE IN NUMBER OF METERS	1,215 (ACTIVE)

WESTERN UNION TELEGRAPH COMPANY

CITY PLANT, PROVIDENCE, R. I.

NUMBER OF POLES OWNED	73.00
NUMBER OF FEET OF U.G. CONDUIT (TRENCH FEET)	1109
NUMBER OF FEET OF U.G. CONDUIT	1954
NUMBER OF MILES OF U.G. CABLE	.803
NUMBER OF MILES OF TWISTED PAIR:	
(A) ON LICENSED ATTACHMENTS PRIVILEGED TO PURCHASE THE POLES OF OTHER COMPANIES	6878'
(B) ACROSS STREETS	1625'
(C) OVER PRIVATE ALLEYS	500'
MANHOLES OWNED	2

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

TOTAL NUMBER WOOD POLES (INCLUDING JOINTLY USED, BUT NOT INCLUDING THOSE JOINTLY USED WITH NO OWNERSHIP)	16,710
TOTAL NUMBER OF JOINTLY USED POLES WITH N.E. COMPANY	13,373
TOTAL NUMBER MILES MAIN CONDUIT (TRENCH FEET)	57.22
TOTAL NUMBER MILES U.G. CABLE	232.84
TOTAL NUMBER MILES AERIAL CABLE	210.93
TOTAL WOOD TERMINAL BOXES ON POLES	216
APPROXIMATE NUMBER OF TELEPHONES SUPPLIED DIRECTLY BY UNDERGROUND OF BLOCK DISTRIBUTION	48,176
APPROXIMATE NUMBER TELEPHONES SUPPLIED DIRECTLY BY OVERHEAD LINES ON HIGHWAYS	41,248

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

INCREASE IN THE NUMBER OF POLES (ALL HEADINGS)	134
ADDITIONAL MILES OF CABLE - U.G. AND AERIAL	7.8
INCREASE IN THE NUMBER OF TELEPHONES IN USE	1,005

NARRAGANSETT ELECTRIC COMPANY

TOTAL NUMBER OF WOOD POLES (INCLUDING JOINTLY OWNED BUT NOT INCLUDING JOINTLY USED, WITH NO OWNERSHIP)	18610
TOTAL NUMBER JOINTLY OWNED POLES WITH N.E.T & T COMPANY	13373
TOTAL NUMBER IRON POLES IN CITY	
UNDERGROUND STREET LIGHT STANDARDS	2166
ORNAMENTAL INCANDESCENTS (MERCURY VAPOR)	2160
GOOSE NECKS	6
ORNAMENTAL INC.	111

TOTAL NUMBER MILES CONDUIT (TRENCH FEET) IN CITY	83.19
TOTAL NUMBER MILES CONDUIT (DUCT FEET) IN CITY	687.57
TOTAL NUMBER MILES UNDERGROUND CABLE IN CITY	880.21
TOTAL NUMBER MILES EQUIVALENT SINGLE UNDERGROUND CONDUCTOR	1249.59
TOTAL NUMBER MILES AERIAL CABLE	235.14
TOTAL NUMBER MILES SERVICE PIPES OR LATERALS	71.09
TOTAL NUMBER MILES EQUIVALENT SINGLE CONDUCTOR AERIAL CABLE	676.07
TOTAL NUMBER MILES AERIAL OPEN WIRE	4058.82
TOTAL NUMBER COMMERCIAL TRANSFORMERS IN CITY	4,961
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY U.G. CONNECTION	27,585
TOTAL NUMBER METERS INSTALLED IN CITY	84,902
APPROXIMATE TOTAL NUMBER OF 1 ϕ 2 WIRE 115 V. METERS IN CITY	59,478
APPROXIMATE TOTAL NUMBER OF 1 ϕ 3 WIRE 115/250 V. METERS IN CITY	19,009
APPROXIMATE TOTAL NUMBER OF 3 ϕ 3 WIRE 115 V. METERS IN CITY	20
APPROXIMATE TOTAL NUMBER OF 3 ϕ 3 WIRE 250 V. METERS IN CITY	245
TOTAL NUMBER OF 1 ϕ 3 WIRE 120/208 V. METERS IN CITY	2,649
TOTAL NUMBER OF 3 ϕ 4 WIRE 120/208 V. METERS IN CITY	1,775
TOTAL NUMBER OF D.C. 2 WIRE AND 3 WIRE 250 AND 250/500 V. METERS IN CITY	102
APPROXIMATE TOTAL NUMBER OF 3 ϕ 3 WIRE 575 V. METERS IN CITY	1,624

UNITED TRANSIT COMPANY

TOTAL NUMBER OF WOOD POLES (INCLUDING THOSE JOINTLY OWNED BUT NOT INCLUDING THOSE JOINTLY USED WITH NO OWNERSHIP)	27
TOTAL NUMBER OF TURNOUTS IN CITY (300' OR LESS) (NOT IN USE)	1
TOTAL NUMBER OF IRON POLES IN CITY	247

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

WOOD POLES	66
NUMBER OF IRON POLES	397

ELECTRICAL INSPECTIONS

A SUMMARY OF THE WORK DONE BY THE ELECTRICAL INSPECTION DEPARTMENT DURING THE PAST YEAR IS AS FOLLOWS:

NUMBER OF ROUGH WIRING INSPECTIONS	1,169
NUMBER OF DEFECTIVE NOTICES	1,452
NUMBER OF PERMITS ISSUED	8,073
NUMBER OF INSPECTIONS AFTER FIRE	1,512
NUMBER OF INVESTIGATIONS REQUESTED BY THE NARRAGANSETT ELECTRIC COMPANY AND THE FIRE DEPARTMENT	146
NUMBER OF SPECIAL INVESTIGATIONS	3,513
NUMBER OF RE-INSPECTIONS	1,722
TOTAL NUMBER OF INSPECTIONS	17,587
LETTERS TO OWNERS	1,102
NUMBER OF DISCONNECTS	116

NOTE: TWENTY-THREE (23) REQUESTS FOR SPECIAL PERMISSION WERE GRANTED DURING THIS YEAR.

SIGN APPLICATIONS APPROVED:

THE NUMBER OF APPLICATIONS FOR PERMISSION TO ERECT ILLUMINATED AND NON-ILLUMINATED SIGNS, IN ACCORDANCE WITH THE ORDINANCES OF THE CITY OF PROVIDENCE COVERING SUCH OUTDOOR ADVERTISING, WHICH APPLICATIONS HAVE BEEN APPROVED BY THIS OFFICE DURING THE YEAR ENDING SEPTEMBER 30, 1956, IS AS FOLLOWS:

ILLUMINATED SIGNS
413

NON-ILLUMINATED
24

TOTAL
437

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$18,512.00
ITEM 1	SERVICES OTHER THAN PERSONAL	3,111.49
ITEM 2	MATERIALS AND SUPPLIES	<u>134.56</u>
		\$21,758.05

STREET LIGHTING SECTION

STREET LIGHTING COSTS.

THE TOTAL EXPENDITURES FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1956, FOR STREET, BRIDGE, SUBWAY, AND PARK LIGHTING BILLS, CONTRACTED IN THE MONTH STATED, LESS ALL CREDITS FOR OUTAGE, HAVE BEEN AS FOLLOWS:

1955-1956 APPROPRIATION - \$478,000.00.

INCANDESCENTS AND MERCURYS

<u>1955</u>	<u>TOTAL BILL</u>	<u>LESS OUTAGE</u>	<u>NET COST</u>
OCTOBER	\$38,673.88	\$ 80.60	\$38,593.28
NOVEMBER	38,568.97	110.93	38,458.04
DECEMBER	38,584.25	102.87	38,481.38
<u>1956</u>			
JANUARY	38,764.39	172.70	38,591.69
FEBRUARY	38,783.00	109.48	38,673.52
MARCH	38,734.18	108.71	38,625.47
APRIL	38,747.66	89.89	38,657.77
MAY	38,755.73	52.53	38,703.20
JUNE	38,775.36	43.00	38,732.36
JULY	38,742.99	49.76	38,693.23
AUGUST	38,738.01	40.83	38,697.18
SEPTEMBER	<u>38,763.22</u>	<u>54.91</u>	<u>38,708.31</u>
	\$464,632.44	\$1016.21	\$463,616.23

STREET LIGHTING UNIT COSTS.

UNDER THE PROVISIONS OF SECTION 17 OF THE EXISTING CONTRACT FOR STREET LIGHTING, THIS BEING THE SO-CALLED "FUEL CLAUSE", THE COST OF THE STREET LIGHTS FOR THE YEAR BEGINNING OCTOBER 1, 1955, DEPENDED UPON THE COST OF FUEL FOR THE YEAR ENDING JULY 31, 1956. THIS COST AVERAGED 12.36, 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, 1956, IS AS FOLLOWS:

	ANNUAL INCREASE PER 10¢		NO. OF 10¢ ABOVE \$8.00 BASE FUEL PRICE	INCREASE OVER		
	IN COST OF FUEL ABOVE \$8.00 BASE	INCREASE		BASE PRICE	BASE PRICE	NEW PRICE
<u>INCANDESCENT 100 CP.</u>						
U.G. ALL NIGHT	\$.025		43	\$1.08	\$28.03	\$29.11
U.G. 2 LT. CLUSTER, A.N.	.05		43	2.15	37.57	39.72
U.G. 5 LT. CLUSTER, A.N.	.125		43	5.38	66.02	71.40
U.G. SINGLE, ½ NIGHT	.012		43	.52	24.61	25.13

U.G. 2 LT. ½ NIGHT	.024	43	1.03	30.72	31.75
U.S. 3 LT. ½ NIGHT	.036	43	1.55	37.33	38.88
U.G. 5 LT. ½ NIGHT	.06	43	2.58	48.89	51.47
AERIAL SINGLE, A.N.	.025	43	1.08	15.00	16.08
AERIAL SINGLE, ½ NIGHT	.012	43	.52	9.90	10.42

MISCELLANEOUS

250 C.P. U.G. A.N.	.05	43	2.15	50.00	52.15
250 C.P. AERIAL, A.N.	.05	43	2.15	30.00	32.15
400 C.P. U.G. NOVALUX, A.N.	.075	43	3.23	72.50	75.73
1000 C.P. AERIAL, A.N.	.18	43	7.74	65.00	72.74
1000 C.P. U.G. A.N.	.18	43	7.74	85.00	92.74
1000 C.P. U.G. ½ NIGHT	.096	43	4.13	68.37	72.50
10,000 LUMEN SODIUM, U.G.	.048	43	2.06	85.00	87.06
10,000 LUMEN SODIUM, C.H.	.048	43	2.06	65.00	67.06
600 C.P. INCANDESCENT, C.H.	.072	43	3.10	50.00	53.10
600 C.P. INCANDESCENT, U.G.	.072	43	3.10	70.00	73.10
16,000 LUMEN MERCURY, C.H.	.18	43	7.74	65.00	72.74
16,000 LUMEN MERCURY, U.G.	.18	43	7.74	85.00	92.74
16,000 LUMEN MERCURY, U.G. 2 LT.	.36	43	15.48	152.00	167.48
400 C.P. AERIAL A.N.	.075	43	3.23	40.00	43.23
16,000 LUMEN MERCURY UNDERPASSES 24 HRS.	.394	43	16.95	107.35	124.30

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

YEAR	BRIDGE STRUCTURE 24 HR. BURNING	ARCS		INCANDESCENTS				SODIUM		MERCURY		
		6.6A LUM.	5.5A	100 CP.	250 CP.	400 CP.	750W	300W	1000 CP	600 CP.	1000 CP	400W
		1520	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

SCHEDULES OF STREET LIGHTING DATA

	<u>C.H.A.N.</u>		<u>U.G.A.N.</u>	<u>1000 CP.</u>		<u>C.H.A.N.</u>
	<u>600 CP.</u>			<u>U.G.H.N.</u>		
OCTOBER 1, 1955	29		396	3		50
SEPTEMBER 30, 1956	29		382	3		50
CHANGES	0		14	0		0

	<u>U.G. INCANDESCENT CLUSTERS</u>				<u>MERC.</u>	<u>MERC. VAP.</u>	<u>MERC. A.N.</u>	<u>SODIUM LIGHTS</u>			
	<u>2 LT. CL.</u>	<u>3 LT. CL.</u>	<u>5 LT. CL.</u>					<u>UG</u>	<u>AN</u>	<u>CH</u>	<u>AN</u>
	<u>H.N.</u>	<u>H.N.</u>	<u>A.N.H.N.</u>					<u>AN</u>	<u>UG</u>	<u>CH</u>	<u>AN</u>
OCTOBER 1, 1955	2	4	1	1	8	2008	1376	22		3	
SEPTEMBER 30, 1956	2	4	1	1	8	2055	1369	22		3	
CHANGES	0	0	0	0	0	47	7	0		0	

	<u>100 CP.</u>		<u>U.G.</u>	<u>100 CP</u>	<u>O.H.</u>	<u>MERC. VAP.</u>	<u>A.N.</u>	<u>C.H.</u>	<u>U.G.</u>
	<u>A.N.</u>	<u>U.G.</u>							
OCTOBER 1, 1955	164		232	7852-B	9	44	405		9
SEPTEMBER 30, 1956	155		232	7818-B	9	44	447		9
CHANGES	9		0	34	0	0	42		0

	SEPT. 30, 1955	SEPT. 30, 1956	CHANGE
TOTAL NUMBER EQUIVALENT SINGLE INCANDESCENT LIGHTS	9169	9142	27
TOTAL NUMBER MERCURY LIGHTS 16,000 LUMEN	3392	3476	84
TOTAL NUMBER EQUIVALENT SINGLE SODIUM LIGHTS	25	25	0

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

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

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

NARRAGANSETT ELECTRIC COMPANY FUEL COSTS

THE RATES WHICH ARE AFFECTED BY FUEL COSTS ARE:

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

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

<u>1955</u>	
OCTOBER	\$12.11
NOVEMBER	12.22
DECEMBER	12.26

<u>1956</u>	
JANUARY	\$12.54
FEBRUARY	12.67
MARCH	12.79
APRIL	12.88
MAY	12.70
JUNE	12.59
JULY	12.78
AUGUST	12.90
SEPTEMBER	13.06

THE ABOVE FIGURES SHOW THAT THE AVERAGE PRICE PER TON FOR THE YEAR WAS \$12.63.

THE NUMBER OF LAMPS AND GLOBES REPORTED AS BROKEN ON STREET LIGHTS DURING THE YEARS 1954-1955-1956 IS AS FOLLOWS:

	<u>INCANDESCENT AND MERCURY GLOBES</u>	<u>LIGHTS BROKEN</u>	<u>MERCURY GLOBES</u>
1954-55	232	3868	0
1955-56	INCAND. 37	4107	49

RECAPITULATION

GRAND TOTAL \$463,616.23

TOTAL MONTHLY AVERAGE COST 1954-1955 38,367.76

TOTAL MONTHLY AVERAGE COST 1955-1956 38,634.68

INCREASE FROM PREVIOUS YEAR OF THE
TOTAL COSTS OF STREET LIGHTING 3,203.01

TOTAL SAVINGS IN OUTAGES 1,016.21

<u>STREET LIGHT PETITIONS RECEIVED:</u>	<u>GRANTED</u>	<u>REJECTED</u>
82	79	3

UTILITY POLE PETITIONS RECEIVED: 233.

SUMMARY

FORTY, 16,000 LUMEN MERCURY VAPOR LIGHTS HAVE BEEN PUT INTO SERVICE IN PUBLIC PLACES DURING THE FISCAL YEAR. THERE ARE NOW 3468 SUCH LIGHTS IN PUBLIC USE IN THE CITY.

THE NUMBER OF 2500 LUMEN INCANDESCENT LIGHTS HAVE BEEN INCREASED BY 42, BRINGING THE TOTAL NUMBER OF THIS TYPE OF LIGHT NOW IN USE TO 456.

THERE ARE 432, 10,000 LUMEN LIGHTS IN SERVICE IN THE CITY, AND WILL BE REPLACED WITH 16,000 LUMEN MERCURY VAPOR LIGHTS IN THE NEAR FUTURE.

THERE ARE 8221, 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 75 LIGHTS OF THIS TYPE INSTALLED DURING THE PAST FISCAL YEAR, ON STREET LIGHT PETITIONS.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	33,705.00
ITEM 1 SERVICES OTHER THAN PERSONAL	463,879.56

AIR POLLUTION SECTION

DURING THE PAST YEAR THE PROVIDENCE AIR POLLUTION SECTION CONTINUED ITS PROGRESS IN CLEANING THE AIR AND PREVENTING POLLUTION OF THE AIR BEFORE IT CAN START.

THE WORK WAS FACILITATED GREATLY WHEN STRONGER CLAUSES WERE ADDED TO THE ORDINANCE.

IN 1955 THE SECTION LOST A SMOKE DENSITY VIOLATION CASE IN THE RHODE ISLAND SUPERIOR COURT. A TECHNICALITY IN THE USE OF THE UNITED STATES BUREAU OF MINES RINGELMANN CHART CAUSED THE DIFFICULTY.

SHORTLY AFTERWARD THE AIR POLLUTION ENGINEER AND ASSISTANT CITY SOLICITOR, HARRY GOLDSTEIN, WENT TO THE OFFICES OF THE BUREAU OF MINES IN WASHINGTON TO CONFER ON THIS MATTER.

AFTER A MEETING WITH TOP BUREAU OF MINES OFFICIALS AND THEIR LEGAL COUNSEL IT WAS AGREED THAT THE GOVERNMENT-^{INSTRUCTION}ISSUED SHEET FOR USE WITH THE CHART WAS IN ERROR. THE BUREAU OF MINES OFFICIALS DECLARED THAT THE CHART HAD BEEN EMPLOYED CORRECTLY BY THE PROVIDENCE AIR POLLUTION STAFF AND A NEW SET OF INSTRUCTIONS WAS FORMULATED. THESE INSTRUCTIONS DIRECT THAT THE CHART BE USED EXACTLY AS HAD BEEN DONE IN THE LOST CASE IN PROVIDENCE. THE NEW INSTRUCTIONS ARE NOW PART OF THE PROVIDENCE AIR POLLUTION ORDINANCE.

IN ADDITION ALL CORRECTION FEATURES OF THE AIR POLLUTION STATE ENABLING ACT HAVE BEEN INCORPORATED INTO THE ORDINANCE.

THESE FEATURES, ALONG WITH POSSIBLE NEW RULES TO BE ADDED UNDER THE BUILDING CODE, SHOULD MAKE THE PROVIDENCE AIR POLLUTION ORDINANCE AS STRONG AS ANY SUCH LAW IN THE COUNTRY.

AS IN THE PAST YEARS THIS SECTION RECEIVED REQUESTS FROM OTHER COMMUNITIES, BOTH IN RHODE ISLAND AND OUT OF THE STATE, FOR ADVICE ON THEIR AIR POLLUTION PROBLEMS. ALL REQUESTS WERE ANSWERED.

AS IN PAST YEARS, NEARLY TWO THOUSAND NON-RESIDENTIAL FUEL BURNING UNITS WERE CAREFULLY INSPECTED. THAT REAL PROGRESS HAS BEEN MADE CAN BE ATTESTED BY THE FACT THAT A BIG DROP IN FUEL BURNING SAFETY-VIOLATIONS WAS NOTED. THIS ANNUAL INSPECTION PROGRAM, COUPLED WITH RIGID INSPECTION OF ALL NEW FUEL-BURNING INSTALLATIONS, HELPS IN REDUCING THE FIRE HAZARD MENACE IN THIS CITY.

THROUGH THE YEARS THE WORK OF THE AIR POLLUTION SECTION HAS WON RECOGNITION IN NATIONAL PUBLICATIONS. IN THE SEPTEMBER 1956 READER'S DIGEST AN ARTICLE ENTITLED "BLUE SKIES OVER PROVIDENCE" FEATURED THE ACCOMPLISHMENTS OF THIS SECTION.

BLESSED WITH A STAFF OF COMPETENT AND DEDICATED TECHNICIANS THE OUTLOOK IS BRIGHT THAT THIS CITY WILL CONTINUE TO ENJOY THE REPUTATION OF HAVING THE CLEANEST AIR OF ANY COMPARABLY SIZED INDUSTRIAL URBAN COMMUNITY IN THE WORLD.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$27,560.00
ITEM 1 SERVICES OTHER THAN PERSONAL	2,523.15
ITEM 2 MATERIALS AND SUPPLIES	126.98
ITEM 5 CAPITAL OUTLAY	<u>187.50</u>
TOTAL	\$30,397.63

REVENUE

HEATING EQUIPMENT	\$404.00
OIL BURNERS	1,023.00
GAS BURNERS	986.00
OIL STORAGE TANKS	<u>1,004.00</u>
TOTAL	\$3,417.00

NUMBER OF PERMITS ISSUED

OIL BURNERS AND TANKS	2,027
GAS BURNERS	986
NEW EQUIPMENT	<u>86</u>
	3,099

ANNUAL INSPECTIONS	1,837
INSPECTION OF NEW HEATING EQUIPMENT	86
RETURN CALLS AFTER CORRECTIONS	187
VIOLATIONS NOTED AND INVESTIGATED	246
COMPLAINTS RECEIVED	71
COMPLAINTS INVESTIGATED	71
OIL BURNER INSPECTIONS	1,023
GAS BURNER INSPECTIONS	986
TANK INSPECTIONS	1,004
SPECIAL INVESTIGATIONS	47
INVESTIGATIONS AFTER FIRES	<u>156</u>
	5,714

MUNICIPAL DOCK SECTION

THE FISCAL YEAR 1955-1956 SHOWS A SUBSTANTIAL INCREASE IN TONNAGE HANDLED AND REVENUES RECEIVED.

DUE TO ECONOMIC AND OPERATIONAL DIFFICULTIES, THE LUCHENDACH STEAMSHIP COMPANY TEMPORARILY SUSPENDED CALLS AT PROVIDENCE. WE HAVE HOPES THAT THE SERVICE WILL BE RESTORED WHEN CONDITIONS BECOME FAVORABLE AGAIN.

THE LOSS OF THE LUCHENDACH TONNAGE WAS OFFSET TO SOME EXTENT BY THE MOVEMENT OF ZINC THROUGH THE PORT FOR STORAGE AT DAVISVILLE NAVAL STATION.

THE MCLEAN TRUCKING PROJECT, NOW KNOWN AS THE WATERMAN STEAMSHIP COMPANY, IS STILL EXPERIENCING OPPOSITIONAL DIFFICULTIES. AT THE PRESENT TIME, IT IS NOT POSSIBLE TO QUOTE ANY DATE THAT THIS SERVICE WILL COMMENCE.

THE INCREASE THAT THE WHARF HAS ENJOYED IN THE LUMBER MOVEMENT AND THE POSSIBILITY OF ITS CONTINUING PUTS THE CITY IN A POSITION THAT SERIOUS THOUGHT BE GIVEN TO BLACK TOPPING ANOTHER SECTION OF OUR STORAGE AREA. THIS WOULD IMPROVE GREATLY OUR HANDLING OF LUMBER AND ENLARGE OUR STORAGE CAPACITY.

IT SHOULD BE NOTED, THAT OUR EXPENDITURES HAVE NOT INCREASED, ALTHOUGH OUR REVENUE HAS.

CARGO

<u>SHIPPED</u>		<u>RECEIVED</u>	
MACHINERY	3428.9 TONS	LUMBER	69,037,152 BFM
COTTON WASTE	1394.1 TONS	FROZEN FISH	3097.4 TONS
GASOLINE	27997.1 TONS	FISH MEAL	728.1 TONS
FUEL OIL	5412.9 TONS	FISH SKINS	104.3 TONS
ETHYL GAS	1753.4 TONS	BLUE BERRIES	42.2 TONS
		CEMENT	5934.4 TONS
		CANNED GOODS	3391. TONS
		ZINC	3305.1 TONS
		GASOLINE	291215 TONS
		FUEL OIL	80947.8 TONS
		KEROSENE	11352.5 TONS
		FUEL OIL	10130. TONS

REVENUE

LEASE OF STORAGE WAREHOUSE	\$42,000.00
LEASE OF LAND	49,708.53
WHARFAGE	84,832.42
TRACKAGE	7,764.00
WATER	2,708.53
DOCKAGE	15,835.83
STORAGE	12,560.00
MISCELLANEOUS	2,135.09
	<u>\$217,544.40</u>

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$32,078.33
ITEM 1 SERVICES OTHER THAN PERSONAL	9,184.15
ITEM 2 MATERIALS AND SUPPLIES	<u>2,019.36</u>
TOTAL	\$43,281.84

NOTE: \$150,000.00 WAS APPROPRIATED FOR DOCK IMPROVEMENTS AND TRANSFERRED TO CAPITAL ACCOUNT 3-29 (MUNICIPAL DOCK REPAIR ACCOUNT.)

DRAW BRIDGE OPERATION SECTION

THE FOLLOWING TABLE IS A RECORD OF CRAFT PASSING THROUGH BOTH RED BRIDGE AND POINT STREET BRIDGE FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1956:

STEAMERS	TUGS	SAIL BOATS	CARGES	MISCELLANEOUS	TOTALS FOR THE YEARS 1954-55	TOTALS FOR THE YEARS 1955-56	TIMES DRAW WAS OPENED	AVERAGE TIME FROM CLOSING TO OPENING GATES (MIN).
<u>POINT STREET BRIDGE</u>								
OCTOBER	24		19			43	24	4.7
NOVEMBER	50		16	5	12	71	39	3.7
DECEMBER	4		1			5	4	3.3
JANUARY	2		1		2	3	2	5.1
FEBRUARY	2			5	48	7	5	3.5
MARCH	2					2	2	2.7
APRIL					35			
MAY					193			
JUNE	6			3	67	9	6	4.1
JULY					193			
AUGUST				1	208	1	1	3.
SEPTEMBER					125			
	90		37	14	883	141	83	

<u>RED BRIDGE</u>								
OCTOBER	41	46	4	11	138	102	79	4.
NOVEMBER	48	46		17	98	111	82	4.2
DECEMBER	57	100		48	158	205	164	3.3
JANUARY	46	86		48	196	180	114	4.3
FEBRUARY	35	86		44	160	165	103	4.1
MARCH	33	80		38	145	151	94	4.3
APRIL	44	68		74	82	185	105	3.
MAY	29	46		18	80	93	66	4.1
JUNE	30	32		4	97	66	49	3.1
JULY	42	43		10	72	95	69	3.1
AUGUST	36	44		12	88	92	67	4.1
SEPTEMBER	48	36		6	87	90	71	3.2
	489	713	4	330	1401	1536	1063	

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$53,798.02
ITEM 1 SERVICES OTHER THAN PERSONAL	1,080.00
ITEM 2 MATERIALS AND SUPPLIES	<u>670.71</u>
	\$55,548.73

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	RED	YEAR	POINT	RED
	STREET			STREET	
	BRIDGE	BRIDGE		BRIDGE	BRIDGE
1907	25,949	2,632	1931-32	1,197	1,900
1908	21,767	4,852	1932-33	1,327	2,787
1909	17,128	6,914	1933-34	1,990	3,758
1910	17,125	2,927	1934-35	1,387	2,454
1911	20,078	3,293	1935-36	1,468	2,150
1912	21,519	3,021	1936-37	1,368	2,130
1913	15,113	2,734	1937-38	1,136	1,913
1914	13,364	2,491	1938-39	1,676	2,187
1915	14,409	2,755	1939-40	1,299	3,431
1916	11,638	3,368	1940-41	1,066	2,420
1917	9,704	3,273	1941-42	1,205	1,722
1918	6,894	2,680	1942-43	1,263	1,087
1919	7,123	3,476	1943-44	1,487	2,262
1920	6,950	4,451	1944-45	1,233	1,319
1921	6,067	2,001	1945-46	1,078	1,828
1922	5,307	2,958	1946-47	936	1,640
1923	5,476	5,134	1947-48	1,010	1,541
1924	4,858	2,035	1948-49	666	2,130
1925	4,939	1,942	1949-50	638	1,609
1926	5,198	2,415	1950-51	371	1,973
1927	4,700	2,934	1951-52	125	1,628
1928	4,679	3,912	1952-53	202	1,752
1929	4,068	3,623	1953-54	51	2,787
1929-30	3,210	2,738	1954-55	883	1,313
1930-31	3,243	2,742	1955-56	141	1,536

BRIDGE	GREATEST NUMBER OF OPENINGS IN ANY ONE DAY		DAILY AVERAGE NUMBER OF OPENINGS FOR THE YEARS	
	1954-55	1955-56	1954-55	1955-56
RED	13	11	3.	4.
POINT STREET BRIDGE	10	11	2.04	3.2

HARBOR MASTER SECTION

VESSELS

	QUARTER ENDING DEC. 31 '55.	QUARTER ENDING MAR. 31 '56	QUARTER ENDING JUNE 30, '56	QUARTER ENDING SEPT. 30, '56	TOTAL FOR YEAR
STEAMERS	122	149	118	119	508
MOTOR VESSELS	87	74	76	148	385
TUG BOATS	149	158	169	108	584
BARGES	72	68	56	30	226
DESTROYERS	9	4	4	1	17
YACHT				1	1
SCHOONER				1	1
	439	453	423	407	1722

TONNAGE

BITUMINOUS	234,931	233,395	188,301	175,890	832,517
GASOLINE	404,348	445,027	486,895	597,810	1,934,080
OIL	975,349	1,200,845	883,970	849,235	3,909,399
TAR	9,402	4,752	1,367	4,630	20,151
CHEMICAL	6,200	7,750	4,650	4,650	23,250
ASPHALT	4,022	3,100	5,600	28,960	41,682
LUMBER	35,107	30,082	16,739	32,242	114,170
SULPHUR OIL	20,604	5,077			25,681
CANNED GOODS	4,071				4,071
FROZEN FISH	1,288½	634	509	930	3,361½
FISH MEAL	132	140	454	46	772
FISH SKINS		54	50		104
GENERAL FREIGHT		3,391			3,391
A.D.C. STOCK			77,963	21,038	99,001
CEMENT			3,775	2,159	5,934
ZINC				11,462	11,462
TOTALS	1,695,454½	1,934,247	1,670,273	1,729,052	7,029,026

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$3,928.50
ITEM 1 SERVICES OTHER THAN PERSONAL	180.67
ITEM 2 MATERIALS AND SUPPLIES	143.52
	<u>\$4,252.69</u>

RESPECTFULLY SUBMITTED

PETER J. HICKS, JR.
PUBLIC SERVICE ENGINEER.