
**THE CITY OF
PROVIDENCE, RHODE ISLAND**

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

FOR THE FISCAL YEAR

1953 -- 1954

DECEMBER 31, 1954.

DEPARTMENT OF PUBLIC WORKSOFFICE 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, 1954 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:

"REPAIRS TO CITY OF PROVIDENCE RAILROAD TRACKS AT FIELDS POINT" BY THE RAILROAD CONSTRUCTION COMPANY.

"INSTALLATION OF OPEN-FLOOR GRATING AT MERINO BRIDGE ON GLENBRIDGE AVENUE" BY THE M.A. GAMMINO CONSTRUCTION COMPANY.

"POWER SURVEY, SANITARY SURVEY OF THE SEWAGE SYSTEM, AND A PLANT-SCALE STUDY OF THE SEWAGE TREATMENT PLANT" BY METCALF AND EDDY. PERSONNEL AT THE SEWAGE DISPOSAL PLANT ASSISTED BY ENGINEERS IN THEIR STUDIES.

CONTRACT WORK WAS IN PROGRESS ON THE FOLLOWING PROJECTS:

"ALTERATIONS TO AND RENEWALS OF CITY OF PROVIDENCE RAILROAD TRACK AT FIELDS POINT" BY THE PEARSON COMPANY, INC.

"PUBLIC WORKS GARAGE AND REPAIR SHOP" FOR THE SANITATION DIVISION, BY JOSEPH P. FLYNN.

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

"REPLACING BOILER AND AIR-HEATER TUBES IN BOILERS OF GARBAGE INCINERATOR UNIT #1" BY JOHN W. GRUNDY COMPANY.

"ALTERATIONS, RENEWALS AND IMPROVEMENTS TO THE GARBAGE INCINERATOR UNIT #1" BY GEORGE ALLEN & SON, INC. THIS CONTRACT INCLUDES THE RENEWAL OF THE REFRACTORY LININGS OF THE INCINERATOR AND THE INSTALLATION OF A CHAIN GRATE STOKER.

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

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

"BUILDING OF SEWERS IN SUNDRY STREETS" BY THE CAPALDI BROS. CONSTRUCTION COMPANY.

ALL OF THE ABOVE NAMED CONTRACTS SHOULD BE COMPLETED EARLY IN 1955.

PERSONNEL FROM THIS DEPARTMENT INSTALLED FLOOD LIGHTS AT THE MUNICIPAL DOCK.

BIDS HAVE BEEN RECEIVED FOR THE CONSTRUCTION OF A "GARAGE, OFFICE AND REPAIR SHOP AT ROGER WILLIAMS PARK" FOR THE FORESTRY SECTION AND THIS BUILDING SHOULD BE COMPLETED BY THE SUMMER OF 1955.

HURRICANE "CAROL" CAUSED MUCH DAMAGE TO BRIDGES, HIGHWAYS AND TREES THROUGHOUT THE CITY AND TO BUILDINGS AT FIELDS POINT. CONTRACTORS ARE REPAIRING THE VARIOUS BRIDGES AND BUILDINGS AND VARIOUS DIVISIONS OF THIS DEPARTMENT TOGETHER WITH HIRED CONTRACTORS HAVE REMOVED MOST OF THE DEBRIS, TREES AND STUMPS FROM THE HIGHWAYS AND OPERATED A SANITARY DUMP AT FIELDS POINT. THE HIGHWAY AND FORESTRY SECTIONS ARE CONTINUING WITH THE REMOVAL OF THE REMAINING STUMPS FROM THE HIGHWAYS AND THE HIGHWAY SECTION IS REPAIRING THE DAMAGED HIGHWAYS.

OUR EXTENSIVE HIGHWAY CONSTRUCTION PROGRAM INCLUDED THE SURFACING, RESURFACING AND SEALCOATING OF HIGHWAYS BY CITY FORCES; THE CONSTRUCTION OF NEW HIGHWAYS BY CONTRACT; THE SURFACING OF HIGHWAYS BY CONTRACT; AND THE RECONSTRUCTION OF HIGHWAYS BY CONTRACT.

THIS PROGRAM INCLUDED 62,983 SQUARE YARDS OF SHEET ASPHALT PAVEMENT, 184,596 SQUARE YARDS OF BITUMINOUS CONCRETE PAVEMENT, 30,042 SQUARE YARDS OF BITUMINOUS MACADAM PAVEMENT, AND 10,091 SQUARE YARDS OF SEALCOATING, MAKING A TOTAL OF 287,717 SQUARE YARDS OF PAVEMENT.

INCLUDED IN THIS WORK WAS THE SURFACING OR RE-SURFACING OF 125,441 SQUARE YARDS OF OLD HIGHWAYS WITH BITUMINOUS CONCRETE BY OUR HIGHWAY FORCES. THE SURFACING OF OLD PAVEMENTS WITH BITUMINOUS CONCRETE WAS STARTED TEN YEARS AGO AND RESULTS OBTAINED HAVE BEEN EXCELLENT.

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

WE HAVE ATTENDED MANY CONFERENCES RELATIVE TO THE NORTH-SOUTH FREEWAY AND OTHER HIGHWAY MATTERS AND OUR RELATIONS WITH THE LOCAL OFFICE OF THE FEDERAL BUREAU OF PUBLIC ROADS, HEADED BY MR. HENRY J. MCKENNEY, AND THE STATE DEPARTMENT OF PUBLIC WORKS, HEADED BY MR. JOSEPH M. VALLONE, HAVE BEEN VERY CORDIAL AND WE APPRECIATE THE ADVICE AND AID EXTENDED US IN SOLVING OUR MANY HIGHWAY CONSTRUCTION PROBLEMS.

I AM VERY GRATEFUL FOR AND APPRECIATIVE OF THE SPLENDID COOPERATION EXTENDED ME BY THE CITY COUNCIL COMMITTEE ON PUBLIC WORKS, COMPRISED OF CHAIRMAN ANGELO AIELLO, RALPH MATERA, JOHN F. BROCK, ERNEST C. MUNROE AND JOSEPH SCHLOSSBERG.

I WISH TO THANK ALL DIVISION HEADS AND EMPLOYEES OF THE DEPARTMENT FOR THEIR LOYALTY, VALUABLE AID AND ASSISTANCE, AND TO EXPRESS MY APPRECIATION FOR THE COOPERATION EXTENDED TO THE DEPARTMENT BY OTHER CITY DEPARTMENTS, OFFICERS AND EMPLOYEES.

RECOMMENDATIONS

CONTINUE THE PROGRAM OF CONSTRUCTING SEWERS AND HIGHWAYS IN UNIMPROVED STREETS, WHICH HAVE BEEN ORDERED BUILT BY CITY COUNCIL RESOLUTION.

REPLACE THE SMITH STREET BRIDGE WITH A NEW STRUCTURE.

ERECT A NEW FENCE ON THE BRIDGE ALONG WASHINGTON ROW.

MAKE IMPROVEMENTS AT THE SEWAGE DISPOSAL PLANT BASED UPON THE RESULTS OBTAINED FROM THE STUDIES MADE BY METCALF AND EDDY.

MAKE IMPROVEMENTS AT MUNICIPAL WHARF, TO INCLUDE THE RENEWAL OF THE FENDER SYSTEM, RENEWAL OF OLD RAILROAD TRACKS AND THE RECONSTRUCTION OF THE APRON ADJACENT TO THE OLD TRANSIT SHED.

INSTALL FOUR DOORS AT GARBAGE PIT IN GARBAGE INCINERATOR UNIT #1.

REPLACE THE LOWER SECTION OF BOTH SMOKE STACKS IN GARBAGE INCINERATOR UNIT #1 WITH WROUGHT IRON.

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

IT IS BECOMING MORE DIFFICULT TO KEEP THE STREETS CLEAN BECAUSE OF THE INCREASING AMOUNT OF PAPERS AND DEBRIS WHICH IS THROWN UPON THE HIGHWAYS AND ALSO BECAUSE OF MATERIALS FALLING ONTO THE HIGHWAYS FROM TRUCKS HAULING REFUSE, LOAM, SAND, COAL AND OTHER MATERIALS.

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

SOME METHOD SHOULD BE TRIED TO ELIMINATE THESE CONDITIONS AS IT IS IMPORTANT TO THE PUBLIC THAT THE HIGHWAYS BE KEPT CLEAN AND THE SEWER SYSTEM FUNCTION EFFICIENTLY.

RESPECTFULLY SUBMITTED,

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

CFM:MC.

IN CITY COUNCIL
MAR 24 1955

READ:

WHEREUPON IT IS ORDERED THAT
THE SAME BE RECEIVED.

W. 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, 1954:

STATEMENT OF REVENUE—ESTIMATED AND ACTUAL

	BUDGET ESTIMATE	NET ACTUAL REVENUES	BUDGET Excess	COMPARISON DEFICIENCY
BUSINESS AND NON-BUSINESS				
LICENSES:				
SIDEWALK CONTRACTORS AND SEWER CONNECTIONS	\$ 800.00	780.00	---	20.00
HIGHWAY PRIVILEGES	1400.00	884.50	---	515.50
PUBLIC SERVICE ENGINEER	5000.00	5276.00	276.00	---
AIR POLLUTION AND SMOKE ABATEMENT	5000.00	3033.50	---	1966.50
TOTAL BUSINESS—NON—BUSINESS LICENSES	12200.00	9974.00	276.00	2502.00
SPECIAL ASSESSMENTS:				
SEWERS	44854.33	44854.33	---	---
SIDEWALKS AND CURBING	300.00	734.92	434.92	---
	45154.33	45589.25	434.92	---
DEPARTMENTAL REVENUE:				
SEWER PUMPING STATIONS	---	138.72	138.72	---
SEWAGE DISPOSAL	---	804.53	804.53	---
GARBAGE COLLECTION AND DISPOSAL	7000.00	9023.73	2023.73	---
REFUSE COLLECTION AND DISPOSAL	---	592.50	592.50	---
HIGHWAYS	24000.00	25638.58	1638.58	---
BRIDGE MAINTENANCE	---	34.90	34.90	---
FORESTRY	---	1519.52	1519.52	---
SEWER CONSTRUCTION AND MAINTENANCE	36000.00	38016.70	2016.70	---
PUBLIC BUILDINGS	---	71.98	71.98	---
STREET LIGHTING	---	95.22	95.22	---
AIR POLLUTION AND SMOKE ABATEMENT	---	3.75	3.75	---
MUNICIPAL DOCKS	190151.67	202664.06	12512.39	---
HARBORS	---	8.00	8.00	---
ENGINEERING OFFICE	---	47.00	47.00	---
TOTAL DEPARTMENTAL REVENUE	257151.67	278659.19	21507.52	---
TOTAL STATEMENT	314506.00	334222.44	22218.44	2502.00

STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1954

	PERSONAL SERVICES	SERVICES OTHER THAN PERSONAL	MATERIALS AND SUPPLIES	SPECIAL ITEMS	EQUIPMENT OUTLAY	STRUCTURES AND IMPROVEMENTS	TOTAL
GENERAL ADMINISTRATION	24466.26	1718.20	80.67	—	—	—	26262.14
BUSINESS MANAGEMENT	37885.40	558.54	615.43	—	57.20	—	39116.57
ENGINEERING OFFICE	120746.64	4127.62	734.35	—	372.43	—	125981.04
SANITATION DIVISION:							
SANITATION ADMINISTRATION	8586.90	739.85	22.48	—	—	—	9349.23
STREET CLEANING	284265.68	86974.89	2341.14	—	—	—	373581.71
SEWAGE PUMPING STATION	49323.64	1298.48	4076.45	—	—	—	54698.57
SEWAGE DISPOSAL	101782.01	7413.45	102991.43	—	796.48	—	212983.37
GARBAGE COLLECTION AND DISPOSAL	457340.46	84055.21	10261.34	5151.67	—	—	556808.68
REFUSE COLLECTION AND DISPOSAL	82644.96	29488.52	29.76	—	—	—	112163.24
CONSTRUCTION AND MAINTENANCE DIVISION:							
CONSTRUCTION AND MAINTENANCE ADMINISTRATION	8586.90	742.80	36.10	—	—	—	9365.80
HIGHWAYS	601003.47	168632.38	115318.14	—	1496.55	—	886450.54
BRIDGE MAINTENANCE	35245.16	3896.54	6591.26	—	—	—	45732.96
SIDEWALK AND CURBING	14826.00	2414.38	660.67	—	75.36	—	17976.41
FORESTRY	57722.37	11126.45	8172.05	—	795.63	—	77816.50
SNOW REMOVAL	58588.32	36430.19	20839.40	—	—	—	115857.91
SEWER CONSTRUCTION AND MAINTENANCE	269868.92	66680.10	13265.67	—	—	1170649.39	520464.08
PUBLIC BUILDINGS	74413.65	8075.27	3167.77	—	267.65	—	85924.34
PUBLIC SERVICE DIVISION:							
PUBLIC SERVICE ADMINISTRATION	13435.20	1084.75	44.37	—	122.99	—	14687.31
ELECTRICAL INSPECTION	16269.60	3094.76	103.72	—	—	—	19468.08
STREET LIGHTING	3494.40	425794.93	—	—	—	—	429289.33
AIR POLLUTION AND SMOKE ABATEMENT	25119.90	2523.22	144.98	—	—	—	27788.10
MUNICIPAL DOCKS	33301.33	8026.02	1361.05	—	—	80927.56	123615.96
DRAW BRIDGE OPERATION	51509.31	1035.00	1019.57	—	—	—	53563.88
HARBOR MASTER	3940.50	1327.27	380.73	—	—	—	5648.50
TOTAL - PUBLIC WORKS ACTIVITIES	22434366.98	957255.83	292258.53	5151.67	3984.29	251576.95	3944594.25

THE FOLLOWING SERVICES WERE ALSO RENDERED BY THIS DEPARTMENT:

APPLICATIONS RECEIVED

FOR ALTERING DRIVEWAYS	129
CONSTRUCTION OF DRIVEWAYS	287
CURBING RESETS	<u>94</u>
TOTAL APPLICATIONS	510

LICENSES ISSUED

PUSH CARTS	28
SIDEWALK STANDS	20
DRAIN LAYERS LICENSES	6
DRAIN LAYERS LICENSES LIMITED TO SPRINKLER SYSTEMS	<u>4</u>
TOTAL LICENSES	58

PERMITS ISSUED

PUBLIC UTILITIES	138
BLASTING	1
FOR MOVING CUMBERSOME EQUIPMENT ETC.	54
STREET OPENINGS (WATER SUPPLY BOARD)	301
ORIGINAL PERMITS FOR SEWER CONNECTIONS	301
EXTENSION OF HOUSE DRAINS	319
SIDEWALK OPENINGS FOR WATER SERVICE	<u>58</u>
TOTAL PERMITS	1172

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, 1954:

THE EXPENDITURES OF THIS OFFICE FOR THE YEAR ENDING SEPTEMBER 30, 1954 ARE
DIVIDED AS FOLLOWS:

ITEM 0	PERSONAL SERVICES	
	GENERAL SUPERVISION INCLUDING VACATIONS	
	SICK LEAVE AND HOLIDAYS.....	\$17,781.47
	HIGHWAY ENGINEERING.....	45,113.77
	SEWER ENGINEERING.....	23,262.75
	STREET LINES AND CITY PROPERTY ENGINEERING.....	32,256.55
	BRIDGE AND STRUCTURES ENGINEERING.....	<u>2,332.10</u>
	TOTAL.....	\$120,746.64
ITEM 1	SERVICES OTHER THAN PERSONAL INCLUDING EQUIPMENT RENTAL.....	4,127.62
ITEM 2	MATERIALS AND SUPPLIES.....	734.35
ITEM 5	CAPITAL OUTLAY.....	<u>372.43</u>
		\$125,981.04

STREET LINE AND CITY PROPERTY SECTION

NOTICES OF INTENTION TO BUILD:

THERE WERE 269 NOTICES OF INTENTION TO BUILD FILED IN THIS OFFICE DURING THE
FISCAL YEAR. EIGHT OF THESE WERE NOT REQUIRED FOR VARIOUS REASONS. IN RESPONSE TO THE
REMAINING 261 NOTICES, THE STREET LINES WERE MARKED ON THE GROUND AS REQUESTED FOR THE
DESIGNATED LOCATIONS.

FIELD SURVEYS WERE MADE OF THOSE STREETS ACCEPTED AS PUBLIC HIGHWAYS BY THE CITY
COUNCIL AND THE STREET LAY-OUT PLANS WERE DRAWN FOR OFFICE USE AND FOR THE OFFICIAL
RECORDS OF THE CITY CLERK.

THE STREET LINE OF DOUGLAS AVENUE FROM CHALKSTONE AVENUE TO EATON STREET WAS
RE-RUN AND EXISTING BUILDINGS LOCATED FOR THE PURPOSE OF BRINGING EXISTING MAPS UP
TO DATE.

STREET LINE INFORMATION INCLUDING RECORDS OF STREET LAY-OUTS, WIDENINGS, ABAN-
DONMENTS, ALIGNMENT CHANGES, STREET ORIGINS PRESENT STATUS AND NAME CHANGES WAS
FURNISHED TO TITLE COMPANIES AND ENGINEERING FIRMS CONTINUOUSLY THROUGHOUT THE YEAR.

DESCRIPTIONS OF AREAS TO BE DEDICATED AS MEMORIAL SQUARES AT SPECIFIED INTERSECTING
STREETS WERE PREPARED WHEN REQUIRED FOR THE CITY CLERK.

STREET LINES WERE MARKED ON THE GROUND FOR THE CONSTRUCTION OF NEW SEWERS WHEN
REQUESTED BY THE SEWER SECTION OF THE ENGINEERING OFFICE.

STONE BOUNDS WERE SET ON SEVERAL STREETS AND EXISTING BOUNDS WERE RESET WHERE THEY
HAD BEEN MOVED OUT OF POSITION DURING STREET CONSTRUCTION.

THE FOLLOWING STREETS WERE RECEIVED UNDER THE VARIOUS FORMS GOVERNING THE ACCEPTANCE OF STREETS DURING THE YEAR:

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
ALDRICH STREET	BROAD ST. TO EDDY ST.	1249.36
AUGUSTA STREET	SEAMANS ST. TO DURHAM ST.	1233.00
AURORA STREET	RILL ST. TO RIVER AVE.	862.47
BARBARA STREET	EASTERLY LINE KING PHILLIP ST. TO WESTERLY LINE MIDDLETON ST.	500.28
CARL STREET	MANTON AVE. TO ITS EASTERLY TERMINATION	240.17
CHACE AVENUE	PORTION ALREADY RECEIVED TO THE ANGLE 101.04 FEET EAST OF THE RANGE OF EASTERLY LINE TOP ST. (SOUTH SIDE)	435.43
CHACE DRIVE	CHACE AVE. TO ITS NORTHERLY TERMINATION	236.62
DIXON STREET	STAMFORD AVE. TO ITS EASTERLY TERMINATION	174.27
DRILL STREET	HILLVIEW AVE. TO SHARON ST.	467.35
EAST DRIVE	GENERAL ST. TO MIDDLE DRIVE	607.03
EDWARD STREET	NORTHUP AVE. TO ITS NORTHERLY TERMINATION	410.30
ERIC STREET	SHARON ST. TO ROME AVE	1221.60
EVELYN STREET	UNION AVE. TO PRUDENCE AVE.	297.65
FAIR STREET	SEAMANS ST. TO HAZAEL ST.	200.00
FAIRFIELD AVENUE	PORTION ALREADY RECEIVED TO RICHLAND ST.	488.83
FALCONER STREET	SINCLAIR AVE. TO RUTHERGLEN AVE.	200.00
FLORA STREET	ASHTON ST. TO NORTHUP AVE.	998.87
KINFIELD STREET	HARTFORD AVE. TO BARBARA ST.	650.00
LOXLEY ROAD	LOIS AVE. TO TRINITY PARKWAY	370.00
MACGREGOR STREET	LANGDON ST. TO STANHOPE ST.	563.03
MANHATTAN STREET	LANGDON ST. TO STANHOPE ST.	446.58
MIDDLE DRIVE	GENERAL ST. TO ADMIRAL ST.	660.12
OAKWOOD AVENUE	CHALKSTONE AVE. TO FREEDOM ROAD	488.83
PORTER STREET	EDDY ST. TO ERNEST ST.	710.26
SIBYL STREET	MERCY ST. TO MURRAY ST.	716.02
SINCLAIR AVENUE	ALEXANDER ST. TO ITS EASTERLY TERMINATION	534.50
SOUTH LANE	PHEBE ST. TO ADMIRAL ST.	186.59
TICKNOR STREET	SISSON ST. TO RUSHMORE AVE	390.80
TIFFANY STREET	CHALKSTONE AVE. TO PLEASANT VALLEY PARKWAY	929.52
TRINIDAD STREET	HILLVIEW AVE. TO SHARON ST.	450.93
VICTOR EMANUEL AVENUE	LANGDON ST. TO STANHOPE ST.	413.03
WEST DRIVE	MIDDLE DRIVE TO GENERAL ST.	525.16
TOTAL (FEET).....		17826.60
		OR 3.376 MILES.

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR:

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
SOUTH STREET	HARBOR LINE 60.17 FEET WESTERLY	60.17
HOMER STREET	CACTUS ST. TO ROBER WILLIAMS PARK	41.63
TOTAL (FEET).....		101.80

THE APPROXIMATE LENGTH OF STREETS PLATTED BUT NOT RECEIVED IS 63.117 MILES.

ADJUSTING THE PREVIOUS TOTAL FOR THE STREETS RECEIVED AND ABANDONED MAKES THE LENGTH OF RECEIVED STREETS (MEASURED ALONG PROPERTY LINES) 359.619 MILES.

IN ADDITION 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:

CUMBERLAND STREET	HIGHWAY DEED
GEORGE M. COHAN MEMORIAL BLVD.	PROPOSED LEASE
AMITY STREET	HIGHWAY DEED
NORTH MAIN AND MILL STREETS	PROPOSED SALE
RIVER AVENUE AND EATON STREET	WHITMAN FARM PURCHASE
ROGER WILLIAMS PARK	CROSS-SECTIONS
NORTH BURIAL GROUND	PORTIONS OF SECTIONS 28 AND 29
DAVIS PARK	CROSS-SECTIONS
FAIRMOUNT AVENUE	PROPOSED ABANDONMENT
STANHOPE AND UDELL STREETS	PROPOSED SEWER EASEMENT
DIKE STREET AND SERGICE ROAD No. 3	PROPOSED SALE
SHARON STREET	PROPOSED STREET
NORTH MAIN AND MILL STREETS	PROPOSED SALE
PONTIAC STREET	PROPOSED SALE
RIVER AVENUE AND EATON STREET	PROPOSED SALE
EDDY STREET AND ALLENS AVENUE	HIGHWAY DEED
ALLENS AVENUE AND CRARY STREET	PROPOSED EXCHANGE OF LAND
HOMER STREET	PROPOSED ABANDONMENT
POTTERS AVENUE AND HAMILTON STREET	PROPOSED SALE
SMITH, RUGGLES AND DICKENS STREETS	PROPOSED SALE
DANFORTH AND CLARA STREETS	PROPOSED PURCHASE
FIELDS POINT	LAND CONVEYED TO CITY OF CRANSTON
SANTIAGO STREET	PROPOSED ABANDONMENT
SOUTH STREET	PROPOSED ABANDONMENT

NUMEROUS PLANS WERE MADE DURING THE YEAR TO ASSIST THE CITY COUNCIL IN PASSING UPON ALL PROPOSED CHANGES IN THE ZONING MAP AS PETITIONED BY VARIOUS PERSONS AND THE CITY PLAN COMMISSION. THE FOLLOWING AMENDMENTS HAVE BEEN APPROVED:

RAILROAD LAND (REAR OF UNION STATION)

PONTIAC STREET	POCASSET AVENUE
WESTMINSTER STREET	WATERMAN STREET
DEXTERDALE ROAD	DOUGLAS AVENUE AND LUBEC STREET
GANO STREET AND WASHINGTON BRIDGEWAY	
OLNEY STREET	BROAD STREET AND NORWICH AVENUE
CHAPMAN STREET	CHARLES, SILVER SPRING AND LOMBARD STREETS
HARTFORD AVENUE AND HEATH STREET	
STELLA STREET	CHARLES, LUKE AND AMBOY STREETS
HAWKINS STREET	SMITH AND RUGGLES STREETS
SMITHFIELD AVENUE	RESERVOIR AVENUE
ALPHONSO AND BISHOP STREETS	RESERVOIR AVENUE (NEAR)

THE ABOVE PLANS INCLUDE THE CHANGES FROM No. 33 TO No. 53 BOTH INCLUSIVE.

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

NORTH BURIAL GROUND

DURING THE YEAR 64 DEEDS TO LOTS CONVEYED BY THE CITY AND 55 CERTIFICATES OF PERPETUAL CARE HAVE BEEN DRAWN UP. SELLING PLANS OF PORTIONS OF SECTIONS 28 AND 29 AND PORTIONS OF 16 AND 20 WERE DRAWN AND PRINTS WERE FURNISHED AS REQUESTED TO THE SUPERINTENDENT. SURVEYS WERE MADE ON GROUND AND LOTS LAID OUT TO DIMENSIONS FURNISHED BY THE SUPERINTENDENT.

GENERAL

LINES AND GRADES WERE WORKED OUT FOR A SECOND PORTION OF THE DEXTER TRAINING GROUND AND MARKED ON THE GROUND. THE FIRST PORTION OF THIS PROJECT WAS COMPLETED IN THE PREVIOUS YEAR.

ELEVATIONS WERE TAKEN AND LINES AND GRADES WERE WORKED OUT AND MARKED ON THE GROUND FOR THE PROPOSED PARKING LOT IN ROGER WILLIAMS PARK.

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 DIFFERENT CLASSIFICATIONS ACCORDING TO USAGE, INCLUDING CURRENT VALUATIONS FURNISHED BY THE CITY ASSESSOR WAS PREPARED FOR INCLUSION IN THE ANNUAL REPORT OF THE CITY CONTROLLER.

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

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

DESCRIPTIONS FOR ALL LAND CONDEMNATION STATEMENTS AND FOR DEEDS, LEASES AND RIGHTS-OF-WAY TO AND FROM THE CITY, THE METHOD OF ACQUISITION AND PRESENT STATUS OF PERTINENT CITY PROPERTY WERE FURNISHED TO THE LAW DEPARTMENT AND OTHER ASSISTANCE RENDERED AS REQUESTED.

A SURVEY OF THE FIELDS POINT AREA WAS MADE TO CHECK THE LOCATION OF THE RAILROAD TRACKS AND NEW BUILDINGS FOR THE NEW PLAN NOW NEARING COMPLETION.

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

MAPS OF THE CITY PUBLISHED BY VARIOUS MAP MAKING COMPANIES AND SENT TO THIS SECTION FOR REVISION AS TO CURRENT CHANGES IN POINTS OF INTEREST, STREET NAME CHANGES, NEW STREET ADDITIONS OR ABANDONMENTS OF EXISTING STREETS WERE CORRECTED AND 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 OUT ON THE GROUND FOR PARTIES, INTENDING TO BUILD ON TWENTY-TWO STREETS, COVERING THIRTY ONE APPLICATIONS

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

PROFILES: PROFILES OF SUNDRY STREETS, APPROXIMATELY 1.33 MILES HAVE BEEN MADE FOR THE PURPOSE OF DEFINING GRADES. THE CONTOURS OF THE CENTER AND SIDE LINES ARE SHOWN AT FIFTY FT. 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.

TRAFFIC ISLANDS: NUMEROUS TRAFFIC ISLANDS WERE LAID OUT AND THEIR CONSTRUCTION SUPERVISED FROM PLANS MADE BY TRAFFIC ENGINEERING DEPARTMENT.

PLANS AND SPECIFICATIONS, ENGINEERING FIELD WORK AND INSPECTION WERE FURNISHED FOR THE CONSTRUCTION OR 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>
ARLINGTON AVENUE	ANGELL ST. TO LLOYD AVE.	5184.6
BAKER STREET	BROAD ST. TO ALLENS AVE.	7556.0
BEAUFORT STREET	ACADEMY AVE. TO MT. PLEASANT AVE.	4533.0
BRADFORD STREET	CEDAR ST. TO WEST EXCHANGE ST.	584.0
BROWN STREET	WATERMAN ST. TO OLNEY ST.	11106.0
CAMDEN AVENUE	CHALKSTONE AVE. TO DOUGLAS AVE.	5600.0
CHARLES STREET	SMITH ST. TO MILL ST.	1717.9
COIN STREET	SOUTH MAIN ST. TO SOUTH WATER ST.	153.0
COURTLAND STREET	BROADWAY TO GESLER ST.	2934.0
DIAMOND STREET	CRANSTON ST. TO SUPERIOR ST.	2644.0
EAST STREET	FOX PT. BOULEVARD TO WICKENDEN ST.	607.4
EMERSON STREET	RODMAN ST. TO SACKETT ST.	783.0
FOURTH STREET	NORTH MAIN ST. TO HOPE ST.	5502.0
HANOVER STREET	ELMWOOD AVE. TO CRANSTON ST.	6331.0
HUMBOLDT AVENUE	WYLAND AVE. TO IRVING AVE.	4346.3
LAUREL HILL AVENUE	HARTFORD AVE. TO PLAINFIELD ST.	6804.2
LORIMER AVENUE	EIGHTH ST. TO ROCHAMBEAU AVE.	6122.0
MAGNOLIA STREET	TROY ST. TO WEST SIDE AGNES ST.	937.0
MANNING STREET	GOVERNOR ST. TO THAYER ST.	5547.0
MASSACHUSETTS AVENUE	NARRAGANSETT BLVD. TO MICHIGAN AVE.	2308.0
MCAVOY STREET	SPRUCE ST. TO WEST EXCHANGE ST.	322.0
MIDDLE STREET	UNION ST. TO DORRANCE ST.	576.3
OLIVE STREET	PROSPECT ST. TO THAYER ST.	2746.0
PEQUOT STREET	FEDERAL ST. TO ATWELLS AVE.	499.0
RALPH STREET	DORCHESTER AVE. TO PLAINFIELD ST.	1667.0
RIVER AVENUE	REGENT AVE. TO SMITH ST.	13532.7
RODMAN STREET	NIAGARA ST. TO EMERSON ST.	1783.0
ROOME LANE	WILLIAMS ST. TO ARNOLD ST.	266.0
SALMON STREET	MANTON AVE. TO KING ST.	989.0
SPRAGUE STREET	ELMWOOD AVE. TO DIAMOND ST.	3342.0
SUPERIOR STREET	WENDELL ST. TO DIAMOND ST.	3725.0
TERMINAL ROAD	ELLIS ST. TO TERMINATION	7162.0
WENDELL STREET	CRANSTON ST. TO ELLERY ST.	5195.0
WOLCOTT STREET	REGENT AVE. TO VALLEY ST.	2336.0
	TOTAL	125441.4

SPECIAL HIGHWAY CONSTRUCTION BY CITY OF PROVIDENCE UNDER CONTRACT

<u>STREET</u>		<u>SQ.YDS.</u>	<u>TYPE</u>
BENEFIT STREET	NORTH MAIN ST. TO WICKENDEN ST.	18,016.1	BITUMINOUS CONCRETE
EDDY STREET	POINT ST. TO CRARY ST.	8,247.0	BITUMINOUS CONCRETE
EXCHANGE PLACE		12,329.9	SHEET ASPHALT
EXCHANGE STREET	EXCHANGE PLACE TO DYER ST.	1,245.2	SHEET ASPHALT
HARRIS AVENUE	BROADWAY TO PT. N. OF DELAINE ST.	4,253.2	SHEET ASPHALT
HARRIS AVENUE	EAGLE ST. TO KINSLEY AVE.	20,519.2	SHEET ASPHALT
POINT STREET	RICHMOND ST. TO BRIDGE	3,976.6	BITUMINOUS CONCRETE
RAMP	(HARRIS AVENUE)	2,836.2	BITUMINOUS CONCRETE
RICHMOND STREET	EDDY ST. TO SHIP ST.	4,882.6	BITUMINOUS CONCRETE
SMITHFIELD AVENUE	BRANCH AVE. TO CEMETERY ST.	13,856.0	BITUMINOUS CONCRETE
	TOTAL.....	90,162.0	

HIGHWAYS CONSTRUCTED BY UNITED TRANSIT COMPANY

BROADWAY	LASALLE SQ. TO DEAN ST.	7,340.0	BITUMINOUS CONCRETE
BROADWAY	DEAN ST. TO BARTON ST.	24,635.1	SHEET ASPHALT
	TOTAL.....	31,975.1	

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>
AURORA STREET	RILL ST. TO RIVER AVE.	2505
BALCOM STREET	SACKETT ST. TO SOUTHERLY TERMINATION	509
CHESHIRE STREET	CORNWALL ST. TO WEST LINE SUSSEX ST.	1719
FAIR STREET	SEAMANS ST. TO HAZAEL ST.	597
HILLCREST AVENUE	SOUTH LINE FREEDOM RD. TO CHALKSTONE AVE.	1309
LIEGE STREET	DOUGLAS AVE. TO WESTERLY TERMINATION	1539
MISSION PLACE	TRINITY PKY. TO WESTERLY TERMINATION	856
MOUNTAIN STREET	BOND ST. TO BRADFORD ST.	557
PRICE STREET	SACKETT ST. TO SOUTHERLY TERMINATION	464
ROWLEY STREET	CHALKSTONE AVE. TO NORTH LINE BATTERSON ST.	4533
SALTER STREET	ACADEMY AVE. TO MERIDIAN ST.	510
SINCLAIR AVENUE	PARKMAN ST. TO PONTIAC ST.	2373
TIFFANY STREET	CHALKSTONE AVE. TO PLEASANT VALLEY PKY.	2602
TRINIDAD STREET	HILLVIEW AVE. TO SHARON ST.	1251
TRINITY PARKWAY	CATHEDRAL AVE. TO SOUTHERLY TERMINATION	2730
WAKEFIELD AVENUE	WESTERLY AVE. TO BRISTOL AVE.	526
WESTCOTT AVENUE	FRUIT HILL AVE. TO FIRST ANGLE	717
WHITFORD AVENUE	EAST LINE KIMBALL ST. TO HOME AVE.	3540
WOODSIDE ROAD	RUBY AVE. TO BRUSH HILL RD.	1205
	TOTAL.....	30042

THE FOLLOWING STREETS WERE SEAL-COATED

<u>STREET</u>	<u>SQ.YDS.</u>	
WARRINGTON STREET	ELMWOOD AVE. TO BROAD ST.	10,091

CONSTRUCTION WAS IN PROGRESS IN THE FOLLOWING STREETS ON SEPTEMBER 30, 1954.

ALDRICH STREET, BROAD ST. TO EDDY STREET
ANGELL STREET, BUTLER AVE. TO RIVER ROAD
AUGUSTA STREET, SEAMANS ST. TO DURHAM STREET
BARBARA STREET, KING PHILLIP ST. TO MIDDLETON STREET
CHACE AVENUE, GREATON DRIVE TO TOP STREET

EDWARD STREET, NORTHUP AVE. TO NORTHERLY TERMINATION
 EVELYN STREET, UNION AVE. TO PRUDENCE AVENUE
 FAIRFIELD AVENUE, RICHLAND ST. TO PORTION RECEIVED
 FAIRMOUNT AVENUE, MT. PLEASANT AVE. TO YALE AVENUE
 FIFTH STREET, SUMMIT AVE. TO LORIMER AVENUE
 FREEMAN PARKWAY, ARLINGTON AVE. TO ELMGROVE AVENUE
 HAZARD AVENUE, MORRIS AVE. TO ELMGROVE AVENUE
 KINFIELD AVENUE, HARTFORD AVE. TO BARBARA STREET
 LAUREL AVENUE, ARLINGTON AVE. TO ELMGROVE AVENUE
 LOXLEY ROAD, LOIS AVE. TO TRINITY PARKWAY
 OAKWOOD AVENUE, CHALKSTONE AVE. TO FREEDOM ROAD
 PORTER STREET, EDDY ST. TO ERNEST STREET
 RAPHAEL AVENUE, CHARLES ST. TO EASTERLY TERMINATION
 SIBYL STREET, MERCY ST. TO PRUDENCE AVENUE
 WICKENDEN STREET, EAST ST. TO GANO 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>
CARL STREET, MANTON AVE. TO EASTERLY TERMINATION	SEPT. 17, 1954	247
CHACE DRIVE, CHACE DRIVE TO NORTHERLY TERMINATION	SEPT. 17, 1954	420
CARY STREET, ALLENS AVE. TO EAST LINE UNNAMED STREET	DEC. 5, 1940	276
CUTLER STREET, NEWARK ST. TO ATWELLS AVENUE	AUG. 7, 1952	206
DIXON STREET, STAMFORD AVE. TO EASTERLY TERMINATION	SEPT. 17, 1954	174
DRILL STREET, HILLVIEW AVE. TO SHARON STREET	SEPT. 17, 1954	484
ERIE STREET, SHARON ST. TO ROME AVENUE	SEPT. 17, 1954	1239
FALCONER STREET, SINCLAIR AVE. TO RUTHERGLEN AVENUE	SEPT. 17, 1954	220
FLORA STREET, ASHTON ST. TO NORTHUP AVENUE	SEPT. 17, 1954	1013
MANHATTAN STREET, LANGDON ST. TO STANHOPE STREET	SEPT. 17, 1954	461
MCGREGOR STREET, LANGDON ST. TO STANHOPE STREET	SEPT. 17, 1954	578
SINCLAIR AVENUE, ALEXANDER ST. TO EASTERLY TERMINATION	SEPT. 17, 1954	545
TICHNOR STREET, SISSON ST. TO RUSHMORE AVENUE	SEPT. 17, 1954	406
TRAINOR STREET, ACORN ST. TO BALBO AVENUE	JUNE 20, 1935	249
UNNAMED PLATTED STREET, CARY ST. TO GLOBE STREET	DEC. 5, 1940	117
VICTOR EMANUEL AVENUE, LANGDON ST. TO STANHOPE STREET	SEPT. 17, 1954	429
TOTAL.....		7064

PETITIONS TO HAVE GRADE DEFINED

<u>DATE</u>	<u>STREET AND LOCATION</u>
OCT. 19, 1950	ALEPPO STREET, FROM PELHAM ST. TO ITS TERMINATION
JAN. 18, 1951	SCHOOL STREET, FROM VALLEY ST. TO HARRIS AVENUE
APR. 19, 1951	MESSANGER STREET, FROM ATWELLS AVE. TO SPRUCE STREET
MAY 3, 1951	BENEDICT STREET, FROM CRANSTON ST. TO HUNTINGTON AVENUE
JUNE 7, 1951	RAPHAEL AVENUE, FROM LANGDON ST. TO CHARLES STREET
JUNE 7, 1951	GLOSSOP STREET, FROM WOONASQUATUCKET AVE. TO FRUIT HILL AVENUE
SEPT. 6, 1951	LEO AVENUE, FROM CHARLES ST. TO LANGDON STREET
OCT. 4, 1951	BRINKLEY STREET, FROM CHALKSTONE AVE. TO ITS SOUTHERLY TERMINATION
OCT. 4, 1951	SAMOSSET AVENUE, FROM CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION
NOV. 1, 1951	STEELE STREET, FROM WOODBINE ST. TO LANCASTER STREET
NOV. 15, 1951	WISE COURT, FROM WILLOW STREET TO ITS TERMINATION
DEC. 6, 1951	BALTIMORE STREET, FROM THE SECOND ANGLE EAST OF MANTON AVE. TO FERRIS ST.
FEB. 7, 1952	EDENDALE AVENUE, FROM FRUIT HILL AVE. TO ITS TERMINATION
FEB. 7, 1952	STANSBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
FEB. 21, 1952	WAITE STREET, FROM ADMIRAL ST. TO GENERAL STREET
MAY 15, 1952	ANGELO AVENUE, FROM CHARLES ST. TO LEO AVENUE

AUG. 7, 1952	AMITY STREET, FROM ACADEMY AVE. TO PENBERTON STREET
AUG. 7, 1952	STOCKTON STREET, FROM DART ST. TO ITS EASTERLY TERMINATION
AUG. 7, 1952	GLOUCESTER STREET, FROM ADMIRAL ST. TO SUNBURY STREET
OCT. 2, 1952	OKIE STREET, FROM BATH ST. TO ITS TERMINATION
DEC. 4, 1952	GREELEY STREET, FROM HAGAN ST. TO ALASKA STREET
JAN. 15, 1953	DEFOE PLACE, FROM CONGDON ST. TO ANGELL STREET
FEB. 19, 1953	SMART STREET, FROM CHARLES ST. TO WINDMILL STREET
MAR. 19, 1953	BATCHELLER AVENUE, FROM SILVER SPRING ST. TO ARGOL STREET
APR. 16, 1953	MYRA STREET, FROM KILLINGLY ST. TO BOUNDARY AVENUE
APR. 16, 1953	STELLA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
AUG. 6, 1953	GLEMATIS STREET, FROM MALLOY ST. TO GLOVER STREET
AUG. 6, 1953	MILLARD STREET, FROM PAVILION AVE. TO NABRASKA STREET
SEPT. 2, 1953	HERBERT STREET, FROM CHALKSTONE AVE. TO GERARD STREET
OCT. 15, 1953	SPRINGFIELD STREET, FROM KILLINGLY ST. TO HARTFORD AVENUE
OCT. 15, 1953	WEST STREET, FROM BELKNAP ST. TO CARGILL STREET
DEC. 17, 1953	HEBBERT STREET, FROM CHALKSTONE AVE. TO GERARD AVENUE
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
MAR. 18, 1954	JOHNSON STREET, FROM EDDY ST. TO ERNEST STREET.
MAR. 18, 1954	GALLILEO AVENUE, FROM CHALKSTONE AVE. TO TERMINATION
APR. 15, 1954	RALSTON STREET, FROM LANGDON ST. TO STANHOPE STREET
APR. 15, 1954	SEEKONK STREET, FROM WAYLAND AVE. TO BUTLER AVENUE
APR. 15, 1954	MUTUAL STREET, FROM EDDY ST. TO ALLENS AVENUE
MAY 6, 1954	ST. THOMAS STREET, FROM FRUIT HILL AVE. TO TARANTO STREET
MAY 6, 1954	COMET STREET, FROM SWISS ST. TO GESLER STREET
MAY 6, 1954	SEYMOUR STREET, FROM EDDY ST. TO ALLENS AVENUE
MAY 20, 1954	VICTORIA STREET, FROM CHALKSTONE AVE. TO TERMINATION
MAY 20, 1954	GRAPE STREET, FROM CERES ST. TO ITS SOUTHERLY TERMINATION
MAY 20, 1954	PLYMOUTH STREET, FROM POTTERS AVE. TO HUNTINGTON AVENUE
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
SEPT. 2, 1954	EDGEWORTH AVENUE, FROM BUCHANAN ST. TO ARGOL STREET

PETITIONED FOR CURBING AND GRADING

<u>DATE</u>	<u>STREET AND LOCATION</u>
JULY 6, 1950	LONGFELLOW TERRACE, FROM LONGFELLOW ST. TO ROGER WILLIAMS AVENUE
JULY 6, 1950	COMET STREET, FROM SWISS ST. TO GESLER STREET
JULY 6, 1950	WISE COURT, FROM WILLOW ST. TO HUDSON STREET
AUG. 10, 1950	DERRY STREET, FROM GEOFFREY ST. TO OREGON STREET
SEPT. 7, 1950	ELIZA STREET, FROM HARTFORD AVE. TO KILLINGLY STREET
OCT. 19, 1950	ALEPPO STREET, FROM PELHAM ST. TO ITS TERMINATION
JAN. 18, 1951	LABAN STREET, FROM LAUREL HILL AVE. TO PLAINFIELD STREET
JAN. 18, 1951	SCHOOL STREET, FROM VALLEY ST. TO HARRIS AVENUE
APR. 19, 1951	MESSENGER STREET, FROM ATWELLS AVE. TO SPRUCE STREET
MAY 3, 1951	BENEDICT STREET, FROM CRANSTON ST. TO HUNTINGTON AVENUE
JUNE 7, 1951	RAPHAEL AVENUE, FROM LANGDON ST. TO CHARLES STREET
JUNE 7, 1951	GLOSSOP STREET, FROM WOONASQUATUCKET AVE. TO FRUIT HILL AVENUE
SEPT. 6, 1951	LEO AVENUE, FROM CHARLES ST. TO LANGDON STREET
OCT. 4, 1951	BRINKLEY STREET, FROM CHALKSTONE AVE. TO ITS SOUTHERLY TERMINATION
OCT. 4, 1951	SAMOSSET AVENUE, FROM CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION
NOV. 15, 1951	WISE COURT, FROM WILLOW ST. TO ITS TERMINATION
DEC. 6, 1951	BALTIMORE STREET, FROM THE SECOND ANGLE EAST OF MANTON AVE. TO FERRIS ST.
FEB. 7, 1951	EDENDALE AVENUE, FROM FRUIT HILL AVE. TO ITS TERMINATION
FEB. 7, 1951	STANSBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
FEB. 21, 1952	WAITE STREET, FROM ADMIRAL ST. TO GENERAL STREET

MAY 15, 1952	ANGELO AVENUE, FROM CHARLES ST. TO LEO AVENUE
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 SUNBURY STREET
OCT. 2, 1952	OKIE STREET, FROM BATH ST. TO ITS TERMINATION
DEC. 4, 1952	GREELEY STREET, FROM HAGAN ST. TO ALASKA STREET
FEB. 19, 1953	SMART STREET, FROM CHARLES ST. TO WINDMILL STREET
MAR. 19, 1953	BATCHELLER AVENUE, FROM SILVER SPRING ST. TO ARGOL STREET
APR. 16, 1953	RAPHAEL AVENUE, FROM CHARLES ST. TO LANGDON 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 NANTIC AVE. TO CALHOUN AVENUE
JULY 16, 1953	FRANKFORT STREET, FROM BURRINGTON ST. TO BALCH STREET
JULY 16, 1953	TYLER STREET, FROM NANTIC AVE. TO FAITH STREET
AUG. 6, 1953	CLEMATIS STREET, FROM MALLOY ST. TO GLOVER STREET
AUG. 6, 1953	MILLARD STREET, FROM PAVILION AVE. TO NEBRASKA STREET
SEPT. 3, 1953	NWANT STREET, FROM RUSSO ST. TO OPPER STREET
OCT. 15, 1953	SPRINGFIELD STREET, FROM KILLINGLY ST. TO HARTFORD AVENUE
DEC. 3, 1953	DANBY STREET, FROM WINDMILL ST. TO TERMINATION
DEC. 17, 1953	HERBERT STREET, FROM CHALKSTONE AVE. TO GERARDI AVENUE
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
MAR. 18, 1954	JOHNSON STREET, FROM EDDY ST. TO ERNEST STREET
MAR. 18, 1954	GALLILEO AVENUE, FROM CHALKSTONE AVE. TO TERMINATION
APR. 15, 1954	RALSTON STREET, FROM LANGDON ST. TO STANHOPE STREET
APR. 15, 1954	SEEKONK STREET, FROM WAYLAND AVE. TO BUTLER AVENUE
APR. 15, 1954	MUTUAL STREET, FROM EDDY ST. TO ALLENS AVENUE
MAY 6, 1954	ST. THOMAS STREET, FROM FRUIT HILL AVE. TO TARANTO STREET
MAY 6, 1954	COMET STREET, FROM SWISS ST. TO GESLER STREET
MAY 6, 1954	SEYMOUR STREET, FROM EDDY ST. TO ALLENS AVENUE
MAY 20, 1954	VICTORIA STREET, FROM CHALKSTONE AVE. TO TERMINATION
MAY 20, 1954	GRAPE STREET, FROM CERES ST. TO ITS SOUTHERLY TERMINATION
MAY 20, 1954	PLYMOUTH STREET, FROM POTTERS AVE. TO HUNTINGTON AVENUE
JULY 1, 1954	BULLOCK AVENUE, FROM DUNBAR 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	EDGEWORTH AVENUE, FROM BUCHANAN ST. TO ARGOL STREET
SEPT. 2, 1954	DERRY STREET, FROM JEFFERSON ST. TO OREGON STREET

SUMMARY TO OCTOBER 1, 1954

THE FOLLOWING TABLE SHOWS TYPE OF PAVEMENT, LENGTHS AND AREAS:		
<u>TYPES OF PAVEMENT</u>	<u>LENGTHS-MILES</u>	<u>AREA</u> <u>SQ.YDS.</u>
REINFORCED CONCRETE	0.17	3010.3
BITUMINOUS CONCRETE (CURBED)	76.27	1400199.9
BITUMINOUS CONCRETE (NOT CURBED)	3.94	68098.7
SHEET ASPHALT (CURBED)	67.30	1620381.2
SHEET ASPHALT (NOT CURBED)	0.30	4195.0
BITUMINOUS MACADAM (CURBED)	192.38	2976320.8
BITUMINOUS MACADAM (NOT CURBED)	3.83	67087.0
ASPHALT BLOCKS	0.14	1555.4
BRICK	0.02	197.2
COBBLE	0.42	3801.5
GRANITE BLOCKS	3.65	60157.6
WATERBOUND MACADAM (CURBED)	3.94	62844.0

<u>TYPES OF PAVEMENT</u>	<u>LENGTHS-MILES</u>	<u>AREA Sq.Yds.</u>
WATERBOUND MACADAM (NOT CURBED)	<u>1.55</u> 353.91	<u>20241.0</u> 6288089.6
RECEIVED (NOT IMPROVED).....	<u>.4.97</u>	
TOTAL.....	358.88	

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

STREETS PAVED WITH NEW MATERIALS	79,568 LINEAR FEET
SHEET ASPHALT PAVEMENT LAID	62,982.6 SQUARE YARDS
BITUMINOUS CONCRETE PAVEMENT LAID	184,595.9 SQUARE YARDS
BITUMINOUS MACADAM PAVEMENT LAID	30,042.0 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-ONE STREETS BY THE CAPALDI BROS. CONSTRUCTION CO. DATED MAY 5, 1953 IS NOW COMPLETED. THE STREETS INVOLVED ARE AS FOLLOWS WITH THE DATES OF COMPLETION NOTED. THE TOTAL CONTRACT PRICE PAID EQUALED \$271,077.22 AND THE CONTRACT COMPLETION DATE WAS MARCH 25, 1954.

DATES

COMPLETED

MAR. 9, 1954	PORTER STREET, FROM NEAR EDDY ST. TO ERNEST STREET
SEPT. 25, 1953	SIBYL STREET, FROM NEAR MERCY ST. TO MURRAY STREET
MAR. 6, 1954	TIFFANY STREET, FROM NEAR CHALKSTONE AVE. TO PLEASANT VALLEY PARKWAY
MAR. 5, 1954	TOWNER STREET, FROM NEAR CLARKE ST. TO PAVILION AVENUE
MAR. 18, 1954	TRINIDAD STREET, FROM NEAR HILLVIEW AVENUE TO SHARON STREET
MAR. 12, 1954	AURORA STREET, FROM NEAR RIVER AVENUE TO BLUFF STREET
MAR. 2, 1954	EDWARD STREET, FROM ITS NORTHERLY TERMINATION TO NORTHUP AVENUE
SEPT. 23, 1953	EVELYN STREET, FROM NEAR UNION AVE. TO PRUDENCE AVENUE
MAR. 15, 1954	FAIRFIELD AVENUE, FROM 420 FEET NORTH OF RICHLAND ST. TO RICHLAND STREET, AND IN RICHLAND STREET, FROM FAIRFIELD AVE. TO EDMERE AVENUE
MAR. 22, 1954	JOY STREET, FROM ITS WESTERLY TERMINATION TO RIVER AVENUE
MAR. 18, 1954	KINFIELD STREET, FROM NEAR BARBARA ST. TO HARTFORD AVENUE
MAR. 22, 1954	OAKWOOD AVENUE, FROM NEAR FREEDOM ROAD TO CHALKSTONE AVENUE
JUNE 23, 1953	ALDRICH STREET, FROM BROAD ST. TO EDDY STREET
JULY 24, 1953	CONCORD STREET, FROM MATILDA ST. TO FROST STREET
MAR. 21, 1954	GALLILEO AVENUE, FROM NEAR CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION, AND ACROSS CITY-OWNED LAND BEING USED FOR PARK AND SCHOOL RECREATION PURPOSES TO METROPOLITAN ROAD.
FEB. 4, 1954	SAMOSSET AVENUE, FROM NEAR CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION, AND ACROSS CITY-OWNED LAND BEING USED FOR SCHOOL RECREATIONAL PURPOSES TO METROPOLITAN ROAD.
MAR. 23, 1954	VICTORIA STREET, FROM NEAR CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION, AND ACROSS CITY-OWNED LAND BEING USED FOR SCHOOL RECREATIONAL PURPOSES TO METROPOLITAN ROAD.

MAR. 25, 1954 •ALTON ROAD, FROM ITS WESTERLY TERMINATION TO UPTON AVENUE
 MAR. 25, 1954 •BEVELIN ROAD, FROM ALTON ROAD TO COLE AVENUE
 MAR. 25, 1954 •HARIAN ROAD, FROM ALTON ROAD TO COLE AVENUE
 •ADDED TO ORIGINAL CONTRACT.

A CONTRACT FOR SEWERS TO BE BUILT IN TWENTY SIX STREETS BY THE CAPALDI BROS. CONSTRUCTION CO. DATED MARCH 26, 1954 IS NOW IN CONSTRUCTION. THE STREETS INVOLVED ARE AS FOLLOWS, WITH THE DATES OF COMPLETION NOTED. ESTIMATED VALUE OF WORK DONE TO DATE EQUALS \$177,046.50. TOTAL CONTRACT IN THE AMOUNT OF APPROXIMATELY \$240,000.00.

DATES

COMPLETED

SEPT. 9, 1954 GLOSSOP STREET FROM NEAR FRUIT HILL AVENUE TO WOONASQUATUCKET AVENUE AND IN WOONASQUATUCKET AVENUE FROM GLOSSOP STREET NORTHERLY TO END OF PRESENT SEWER IN WOONASQUATUCKET AVENUE.

JULY 6, 1954 ENFIELD AVENUE FROM NEAR ISABELLA AVENUE TO NAPLES AVENUE

JUNE 28, 1954 DIXON STREET FROM ITS EASTERLY TERMINATION TO STAMFORD AVENUE

JULY 28, 1954 WALLER STREET FROM CANONCHET STREET TO METROPOLITAN ROAD

MAY 24, 1954 VICTOR EMANUEL AVENUE FROM LANGDON STREET TO CANADA POND TRUNK SEWER

AUG. 11, 1954 TICKNOR STREET FROM Sisson STREET TO RUSHMORE AVENUE

NOT COMPLETE SUNSET AVENUE FROM NEAR MOFF STREET TO KILLINGLY STREET

MAY 19, 1954 MACGREGOR STREET FROM LANGDON STREET TO CANADA POND TRUNK SEWER

JULY 9, 1954 MINTO STREET FROM BOLTON AVENUE TO FARM STREET

MAY 18, 1954 MANHATTAN STREET FROM LANGDON STREET TO CANADA POND TRUNK SEWER

APR. 23, 1954 FLORA STREET FROM NEAR ASHTON STREET TO NORTHUP AVENUE

MAY 14, 1954 ERIE STREET FROM NEAR SHARON STREET TO ROME AVENUE
 (AUMOND STREET FROM EDGEWOOD BOULEVARD TO CRANSTON CITY LINE,
 (KENMORE STREET FROM EDGEWOOD BOULEVARD TO CRANSTON CITY LINE,
 AUG. 16, 1954 (BEACHMONT AVENUE FROM APPROXIMATELY NINETY (90) FEET NORTH OF
 (CRANSTON CITY LINE TO CRANSTON CITY LINE, AND
 (EDGEWOOD BOULEVARD FROM ITS SOUTHERLY TERMINATION AT CRANSTON CITY LINE
 (TO ROGER WILLIAMS PARK

SEPT. 1, 1954 SINCLAIR AVENUE FROM THE PRESENT SEWER IN SINCLAIR AVENUE EASTERLY TO CITY-OWNED LAND AND NORTHERLY IN CITY-OWNED LAND TO RUTHERGLEN AVENUE.

JULY 6, 1954 DRILL STREET FROM NEAR HILLVIEW AVENUE TO SHARON STREET

JUNE 2, 1954 •ANGELO AVENUE FROM THE CITY LINE AT NORTH PROVIDENCE TO LEO AVENUE

JUNE 8, 1954 •UDELL STREET FROM NEAR LANGDON STREET, THROUGH RIGHT-OF-WAY, TO THE CANADA POND TRUNK SEWER

NOT STARTED •ISABELLA AVENUE FROM NEAR ENFIELD AVENUE TO SHARON STREET

NOT STARTED •NORTH AVENUE FROM NEAR HOPE STREET TO BLACKSTONE BOULEVARD

NOT STARTED •EDENDALE AVENUE FROM ITS EASTERLY TERMINATION TO FRUIT HILL AVENUE

NOT STARTED •MILLARD STREET FROM NEBRASKA STREET TO PAVILION AVENUE

NOT STARTED •WEBB STREET FROM NEAR WHITFORD AVENUE TO FARM STREET
 •ADDED TO ORIGINAL CONTRACT.

THE DAVIS PARK BROOK, JUST SOUTH OF CHALKSTONE AVENUE, WAS ENCLOSED IN A 72 INCH DIAM. CONCRETE PIPE SEWER BY THE CONSTRUCTION AND MAINTENANCE DIVISION, SEWER SECTION. THIS WORK ELIMINATED A DAMMED STORAGE BASIN FOR STORM WATERS AND MADE THIS AREA SUITABLE FOR PLAYGROUND PURPOSES. SEWER WAS COMPLETED MAY 16, 1954.

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, 1954, EXCLUSIVE OF THOSE CONTRACTED FOR:

CITY COUNCIL RESO-

<u>LOCATION 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
272	1953	FAIR STREET, FROM SEAMANS ST. TO PHEBE STREET
572	1953	BATCHELLER AVENUE, FROM NEAR ARGOL ST. TO SILVER SPRING STREET
222	1954	CLEMATIS STREET, FROM NEAR GLOVER ST. TO MOLLOY STREET
223	1954	DEFOE PLACE, FROM THE EASTERLY ANGLE TO CONGDON STREET
225	1954	GREELEY STREET, FROM HAGAN ST. TO AVENTINE AVENUE
226	1954	HERBERT STREET, FROM GERARDI AVENUE TO CHALKSTONE AVENUE
523	1954	BOWLETT STREET, FROM NEAR BARBARA STREET TO ITS NORTHERLY TERMINATION
524	1954	DENBY STREET, FROM ITS NORTHERLY TERMINATION TO WINDMILL STREET
525	1954	HILARITY STREET, FROM NEAR BARBARA STREET TO GRIMWOOD STREET
526	1954	JOHNSON STREET, FROM NEAR EDDY STREET TO ERNEST STREET
527	1954	KING PHILIP STREET, FROM NEAR BARBARA STREET TO GRIMWOOD STREET
528	1954	PLEASANT VALLEY PARKWAY (SOUTH SIDE) FROM NEAR RIVER AVENUE TO WINROOTH AVENUE
529	1954	RALSTON STREET, FROM LANGDON STREET, THROUGH RIGHT-OF-WAY TO CANADA POND TRUNK SEWER
530	1954	SEEKONK STREET, FROM NEAR WAYLAND AVENUE TO BUTLER AVENUE

LIST NO.2.

SEWERS PETITIONED FOR AND REFERRED TO THE PUBLIC WORKS COMMITTEE FROM OCTOBER 1, 1942 TO SEPTEMBER 30, 1954 AND NO ACTION TAKEN:

<u>DATE FILED</u>	<u>LOCATION</u>
AUG. 5, 1943	FLORENCE ST. FROM APPROXIMATELY 260 FT. NORTH OF AMHERST ST. TO AMHERST STREET
SEPT. 6, 1945	DIPIPPO STREET, FROM RAGOSTA ST. TO KILLINGLY STREET
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. 10, 1947	SWAN STREET, FROM EDDY ST. TO POE STREET
SEPT. 18, 1947	OWEN STREET, FROM MANTON AVE. TO KING ST. INCLUDING RIGHT-OF-WAY TO BE OBTAINED ON KING STREET.
JAN. 15, 1948	BRADLEY STREET, FROM RIVER AVE. TO LUCILE STREET
JAN. 2, 1947	POWELL STREET, FROM CITY LINE TO MATILDA STREET, AND IN COLLYER ST. FROM WHITE ST. TO MATILDA STREET.
SEPT. 2, 1948	ALLSTON 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
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 BATTERSON ST. TO SICILY STREET
JUNE 1, 1950	CUTLER STREET, FROM NEWARK ST. TO ATWELLS AVENUE
AUG. 10, 1950	DERRY STREET, FROM GEOFFREYS CT. 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	EDGEWORTH AVENUE, FROM ITS WESTERLY TERMINATION TO ARGOL STREET
APR. 5, 1951	BRUSH HILL ROAD, FROM ADA ST. TO CHALKSTONE AVENUE
APR. 19, 1951	MESSINGER 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
APR. 3, 1952	FUNSTON AVENUE, FROM APPROXIMATELY 850 FT. WEST OF CLOVE STREET TO GLOVE ST. AND IN CLOVE STREET FROM FUNSTON AVENUE TO TEXAS AVENUE.
AUG. 7, 1952	GLOUCESTER STREET, FROM ADMIRAL ST. TO SUNBURY STREET
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	GRIMWOOD STREET, FROM MIDDLETON ST. TO MELISSA STREET
MAY 21, 1953	KINFIELD STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 21, 1953	MELISSA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 21, 1953	MIDDLETON STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 6, 1954	ST. THOMAS STREET, FROM FRUIT HILL AVE. TO TORONTO STREET
MAY 20, 1954	GRAPE STREET, FROM CERES STREET TO ITS SOUTHERLY TERMINATION
MAY 20, 1954	PLYMOUTH STREET, FROM POTTERS AVE. TO HUNTINGTON AVENUE
JULY 1, 1954	BULLOCK AVENUE, FROM CITY LINE TO DUNBAR STREET
SEPT. 2, 1954	KLONDIKE STREET, FROM 62 KLONDIKE STREET TO HERSCHELL STREET
SEPT. 2, 1954	GROTON STREET, FROM DURFEE STREET TO POWHATTEN STREET

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 ASSESSMENTS COLLECTED: THE AMOUNT PAID TO THE TAX COLLECTOR FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1954 EQUALED \$97,061.29.

SEWER SYSTEM STATISTICS: IN ORDER TO MAKE COMPLETE THE PROVIDENCE SEWER SYSTEM STATISTICS UP TO THE END OF THE FISCAL YEAR OF SEPTEMBER 30, 1954 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, 1954, 42.8749 MILES.

IN 1872 THE FIRST STORM SEWER CONSTRUCTION WAS STARTED AND AS OF SEPTEMBER 30, 1954 A TOTAL OF 84,3398 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, 1954 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, 1954 EQUALS 450,9165 MILES. INCLUDED IN THIS MILEAGE ARE APPROXIMATELY 19,530 MANHOLES, ALSO THERE ARE APPROXIMATELY 4610 INLETS AND 11,330 BAGINS 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. 1953-1954 400,000,000 GALLONS ESTIMATED AND BILLED FOR \$11,925,08.

RECEIVED FROM CRANSTON. (NARRAGANSETT BREWING COMPANY) CONTRACT DATED FEBRUARY 1, 1949
1953-1954 99,526,100 GALLONS METERED AND BILLED FOR \$4631.21.

RECEIVED FROM NORTH PROVIDENCE. (CONTRACT DATED DECEMBER 4, 1939) 1953-1954 2,197,088,300
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 1953 THE DIRECTOR OF PUBLIC WORKS ISSUED LICENSES TO SIX DRAIN LAYERS AND FOUR SPECIALS FOR SPRINKLER SYSTEM LICENSES. NO LIST OF LICENSED PLUMBERS WAS RECEIVED FROM STATE AUTHORITIES. THERE WAS APPROXIMATELY 3000 TITLES INVESTIGATED FOR ENCUMBRANCES OF DRAINAGE FACILITIES BY TITLE COMPANY INVESTIGATORS, AND 3000 SKETCHES OF PRESENT DRAINAGE INSTALLATIONS GIVEN TO INTERESTED PARTIES. (OWNERS, PLUMBERS AND DRAIN LAYERS).

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

ONE (1)	STAKE BODY TRUCK 8800# G.V.W.	FORESTRY SECTION
ONE (1)	DUMP TRUCK 14000# G.V.W.	FORESTRY SECTION
ONE (1)	EDUCTOR TRUCK 30000# G.V.W.	SEWER SECTION
ONE (1)	CANOPY EXPRESS TRUCK 7000# G.V.W.	SEWER SECTION
ONE (1)	CHASSIS FOR GAR-WOOD BODY 24000# G.V.W.	INCINERATOR SECTION
ONE (1)	16 CU.YD. GARBAGE TRUCK 24000# G.V.W.	INCINERATOR SECTION
TWO (2)	MOTORIZED PICK-UP STREET SWEEPERS	HIGHWAY SECTION
THREE (3)	HEAVY DUTY DUMP TRUCKS 30000# G.V.W.	HIGHWAY SECTION
ONE (1)	CU.YD. MOBILE LOADER	HIGHWAY SECTION

PERSONAL PROPERTY INVENTORY MADE.

IN CONNECTION WITH IMPROVEMENTS AT MUNICIPAL WHARF, PERIODIC INSPECTIONS WERE MADE OF THE WORK AND FINAL ESTIMATES FOR PAYMENTS TO THE VARIOUS CONTRACTORS WERE MADE AS FOLLOWS:

"REPAIRS TO CITY OF PROVIDENCE RAILROAD TRACKS" BY ANTHONY DALOISIO AND ALFONSO DALOISIO, A PARTNERSHIP D.B.A. THE RAILROAD CONSTRUCTION COMPANY OF NEW JERSEY. CONTRACT DATED MAY 11, 1953. AMOUNT \$45,324.00 WORK COMPLETED NOVEMBER 25, 1953.

"ALTERATIONS TO AND RENEWALS OF CITY OF PROVIDENCE RAILROAD TRACK" BY PEARSON COMPANY INC. CONTRACT DATED AUGUST 31, 1954 IN THE AMOUNT OF \$75,355.00. WORK NOW IN PROGRESS.

IN CONNECTION WITH IMPROVEMENTS AT FIELDS POINT, PLANS WERE MADE OR APPROVED, SPECIFICATIONS DRAWN UP, INSPECTION OF THE WORK WAS MADE AND ESTIMATES FOR PAYMENTS TO THE VARIOUS CONTRACTORS WERE MADE ON THE FOLLOWING PROJECTS:

"PUBLIC WORKS GARAGE AND REPAIR SHOP" BY JOSEPH P. FLYNN. WORK WAS IN PROGRESS CONTRACT DATED NOVEMBER 20, 1953 IN THE AMOUNT OF APPROXIMATELY \$340,000. FOR THE SANITATION DIVISION "COORDINATED OUTDOOR SUBSTATION FOR THE SEWAGE DISPOSAL PLANT" BY COKEN COMPANY. WORK NOW IN PROGRESS. CONTRACT DATED FEBRUARY 26, 1954 IN THE AMOUNT OF \$94,468.00. "AIR HEATER TUBES IN THE BOILERS OF THE GARBAGE INCINERATOR UNIT #1" BY JOHN W. GRUNDY COMPANY. WORK NOW IN PROGRESS. CONTRACT DATED APRIL 7, 1954 IN THE AMOUNT OF \$27,709.92.

"FOR ALTERATIONS, RENEWALS AND IMPROVEMENTS TO THE GARBAGE INCINERATOR PLANT UNIT #1" BY GEORGE ALLEN & SON INC. THIS CONTRACT INCLUDES THE INSTALLATION OF AN AUTOMATIC STOKING DEVICE FOR GARBAGE INCINERATION. WORK NOW IN PROGRESS. CONTRACT DATED DECEMBER 7, 1953 IN THE AMOUNT OF \$223,366.00.

IN CONNECTION WITH A PROPOSED GARAGE, OFFICE AND REPAIR SHOP FOR THE FORESTRY SECTION PLANS AND SPECIFICATIONS WERE PREPARED AND BIDS WERE OPENED ON SEPTEMBER 27, 1954. THE LOW BIDDER WAS PETERSON CONSTRUCTION CO. IN THE AMOUNT OF \$57,890.00.

IN CONNECTION WITH THE INSTALLATION OF OPEN-FLOOR GRATING AT MERINO BRIDGE ON GLENBRIDGE AVENUE THE CONTRACTOR WAS THE M.A. GAMMINO CONSTRUCTION CO. AND THE WORK WAS COMPLETED NOVEMBER 18, 1953. THE CONTRACT WAS DATED JULY 11, 1952 IN THE AMOUNT OF \$29,400.00.

HURRICANE "CAROL" OCCURRED ON AUGUST 31, 1954. THE AREA IN THE MALL STARTED TO FLOOD ABOUT 11:30 A.M. WITH THE PEAK HEIGHT ABOUT 2:30 P.M. AND CLEARED ABOUT 4:00 P.M. THE AVERAGE MAXIMUM HEIGHT THROUGHOUT THE DOWN TOWN AREA WAS APPROXIMATELY 13 FEET ABOVE MEAN HIGH WATER. (NOTE: HURRICANE OF 1938 APPROXIMATE COMPARATIVE HEIGHT 13.68 FEET ABOVE MEAN HIGH WATER).

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 WERE CHECKED OVER AND APPROVED FOR VAULT AND DUCT INSTALLATIONS.

COST ACCOUNTS, BUDGETS, INVENTORIES, SICK LEAVES, CAVATIONS, EMPLOYEE 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,
PROVIDENCE, R. I.

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING ACTIVITIES OF THE CONSTRUCTION AND MAINTENANCE DIVISION FOR THE YEAR ENDING SEPTEMBER 30, 1954. THIS DIVISION CONSISTS OF THE CONSTRUCTION AND MAINTENANCE ADMINISTRATION AND THE FOLLOWING SECTIONS: HIGHWAY, BRIDGE MAINTENANCE, SIDEWALKS 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 ACTIVITIES OF THIS DIVISION WERE INCREASED ENORMOUSLY DURING THE MONTH OF SEPTEMBER, REMOVING THE DEBRIS AND REPAIRING THE DAMAGE WROUGHT BY THE HURRICANES OF AUGUST 31ST AND SEPTEMBER 11TH. ALL ROUTINE WORK WAS SUSPENDED FOR THE MONTH AND DURING THE FIRST THREE WEEKS THE MEN OF MOST SECTIONS OF THIS DIVISION WERE WORKING AROUND THE CLOCK. DURING THE LAST WEEK OF THE MONTH THE NIGHT WORK WAS SUSPENDED BUT THE CHIEF CONCERN WAS REPAIRING THE DAMAGE TO STREETS, BRIDGES, SEWERS, SEWER STRUCTURES, SIDEWALKS, PUBLIC BUILDINGS, REMOVAL OF DAMAGED TREES AND OPERATING A SANITARY FILL PROJECT FOR THE DISPOSAL OF FOOD CONTAMINATED AND SPOILED IN THE LOW SECTIONS OF THE CITY, INUNDATED BY THE FLOOD WATERS. THIS REHABILITATION IS PROGRESSING SATISFACTORILY AND MOST OF IT SHOULD BE COMPLETED BY THE FIRST OF DECEMBER.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$8,586.90
ITEM 1 SERVICES OTHER THAN PERSONAL	742.80
ITEM 2 MATERIALS AND SUPPLIES	36.10
TOTAL.....	\$9,365.80

HIGHWAY SECTION

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

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

THIS SECTION INHERITED THE MAJOR PORTION OF THE WORK INVOLVED IN CLEANING UP AFTER THE HURRICANES; CLEANING DEBRIS FROM THE STREETS, ASSISTING THE FORESTRY SECTION IN THE REMOVAL OF TREES, OPERATING THE SANITARY FILL AT FIELDS POINT, RESETTING GRANITE CURB WHICH WAS KNOCKED OUT BY THE REMOVAL OF TREES, FILLING AND PATCHING WASHOUTS, CLEARING DEBRIS FROM THE UNDER STRUCTURES OF BRIDGES, ETC. ALL CONSTRUCTION WAS SUSPENDED FOR THE MONTH OF SEPTEMBER TO ACCOMPLISH THIS TASK. THE SECTION WORKED 24 HOURS A DAY FOR THE FIRST THREE WEEKS FOLLOWING THE HURRICANES.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$601,003.47
ITEM 1 SERVICES OTHER THAN PERSONAL	168,632.38
ITEM 2 MATERIALS AND SUPPLIES	115,318.14
ITEM 5 CAPITAL OUTLAY	1,496.55
TOTAL.....	\$886,450.54

TOTAL REVENUE \$25,638.58

STREETS REPAIRED AND SURFACED OR RESURFACED

EAST STREET	FOX POINT BOULEVARD TO EAST ST., AC ON CONCRETE BASE.
PEQUOT STREET	FEDERAL ST. TO MOUNTAIN STREET
MCEVOY STREET	SPRUCE ST. TO WEST EXCHANGE STREET
BRADFORD STREET	CEDAR ST. TO WEST EXCHANGE STREET
POINT STREET	VIADUCT
NEWTON STREET	ATWELLS AVE. TO MOUNTAIN STREET
MESSINGER STREET	FEDERAL ST. TO ATWELLS AVENUE
COURTLAND STREET	WESTMINSTER ST. TO ATWELLS AVENUE
HANOVER STREET	ELMWOOD AVE. TO CRANSTON STREET
MAGNOLIA STREET	TROY ST. TO DEAD END
RODMAN STREET	NIAGARA ST. TO EMERSON STREET
SPRAGUE STREET	ELMWOOD AVE. TO SUPERIOR STREET
EMERSON STREET	RODMAN ST. TO SACKETT STREET
SUPERIOR STREET	WENDELL ST. TO SPRAGUE STREET
DIAMOND STREET	CRANSTON ST. TO SPRAGUE STREET
TABER AVENUE	ANGELL ST. TO SESSIONS STREET
RALPH STREET	PLAINFIELD ST. TO DORCHESTER AVENUE
LORIMER AVENUE	EIGHTH ST. TO ROCHAMBEAU AVENUE
JENCKS STREET	PRATT ST. TO PROSPECT STREET
MASSACHUSETTS AVENUE	NARRAGANSETT BLVD. TO MICHIGAN AVENUE
HUMBOLDT AVENUE	WAYLAND AVE. TO IRVING AVENUE
CHARLES STREET	SMITH ST. TO MILL STREET
SHERWOOD STREET	DOUGLAS AVE. TO DEAD END
WALCOTT STREET	VALLEY ST. TO REGENT AVENUE
MIDDLE STREET	EDDY ST. TO DORRANCE STREET
TERMINAL ROAD	
WENDELL STREET	CRANSTON ST. TO ELLERY STREET
CAMDEN AVENUE	CHALKSTONE AVE. TO DOUGLAS AVENUE
BAKER STREET	BROAD ST. TO EDDY STREET
BAKER STREET	ALLENS AVE. TO EDDY STREET
HAZARD AVENUE	MORRIS AVE. TO ELMGROVE AVENUE (NOT COMPLETED)
LAUREL AVENUE	ARLINGTON AVENUE TO ELMGROVE AVENUE (NOT COMPLETED)
LAUREL HILL AVENUE	HARTFORD AVE. TO PLAINFIELD STREET
FOURTH STREET	NORTH MAIN ST. TO HOPE STREET
RIVER AVENUE	REGENT AVE. TO SMITH STREET
BEAUFORT STREET	ACADEMY AVE. TO MT. PLEASANT AVENUE
RIDGE STREET	BROADWAY TO PENN STREET
RIDGE STREET	PENN ST. TO ATWELLS AVENUE
FREEMAN PARKWAY	ARLINGTON AVE. TO ELMGROVE AVENUE (NOT COMPLETED)
SALMON STREET	MANTON AVE. TO KING STREET
COIN STREET	SOUTH MAIN ST. TO SOUTH WATER STREET
ROOME LANE	WILLIAMS ST. TO ARNOLD STREET
SUTTON STREET	ATWELLS AVENUE TO SPRUCE STREET
WARDLAW AVENUE	RIVER AVE. TO DEAD END
FIFTH STREET	SUMMIT AVENUE TO LORIMER AVENUE
BROWN STREET	WATERMAN ST. TO OLNEY STREET
ARLINGTON AVENUE	ANGELL ST. TO LLOYD AVENUE
OLIVE STREET	THAYER ST. TO HOPE STREET
ANGELL STREET	BUTLER AVE. TO RIVER ROAD (NOT COMPLETED)
MANNING STREET	GOVERNOR ST. TO HOPE STREET
WICKENDEN STREET	EAST ST. TO GANO STREET (NOT COMPLETED)

STREET SEALCOATED

WARRINGTON STREET, ELMWOOD AVE. TO BROAD STREET

PATCHING AND REPAIRING SUNDRY STREETS

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

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

MATERIALS USED ON GENERAL PATCHING AND REPAIRING WERE AS FOLLOWS:

COLD PATCH	348 TONS	2-INCH GRAVEL	716 TONS
A.C.MIX	6804.5 TONS	KEROSENE	3960 GALS.
SAND	641 TONS	CEMENT	540 BAGS

MATERIALS USED ON SEALCOATING WERE AS FOLLOWS:

ROAD OIL	1811 GALS.
KEROSENE	25 GALS.
BUCKWHEAT STONE	140 TONS

MATERIALS USED ON SURFACING OR RESURFACING WERE AS FOLLOWS:

1 $\frac{1}{4}$ INCH GRAVEL	230 TONS
SAND	163 TONS
KEROSENE	476 GALS.
CEMENT	60 BAGS
ASPHALT A.C.MIX	11751.3 TONS
CONCRETE READY MIX	401 CU.YDS.
2-INCH STONE	750 TONS
SOLUBLE C. OIL	165 GALS.

DRIVEWAYS AND CURBING

DRIVEWAYS (CONSTRUCTED)	322
DRIVEWAYS (WIDENED)	49
DRIVEWAYS (CLOSED)	22
DRIVEWAYS (RELOCATED)	16
2 FT. CIRCULAR CORNERS SET	540
S B CORNERS SET	72
7 INCH CURB SET	966 LIN.FT.
CURB SET AND RESET	16233 LIN.FT.

MISCELLANEOUS WORK

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

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

1. WALKS ON DEXTER TRAINING GROUND EXTENDED
2. GRADING SACKETT STREET AND FOX POINT PLAYGROUNDS
3. GRADING BASEBALL FIELDS AT THE FOLLOWING GROUNDS: SON
 CYPRESS ST. PLAYGROUND, FOX POINT PLAYGROUND, RICHARD 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, QUAIL ST. PLAYGROUND, GARIBOLDI PLAYGROUND, RIDGE ST. PLAYGROUND, AND MUNICIPAL GOLF COURSE.
4. REPAIRING ROADS AND WALKS AT MUNICIPAL DOCK AND HAULING FILL FOR GANO ST. AND FIELDS POINT DUMPS.
5. GRADED DUMPS AT FIELDS POINT, MURRAY ST., AND GANO ST., SWIFT ST., MT. PLEASANT AVE., EAST TRANSIT ST. AND SMITH STREET.
6. REMOVED ASHES AND OLD REFRACTORIES FROM INCINERATOR AND SEWAGE DISPOSAL WORKS
7. HELPED TO REPAIR EQUIPMENT AT INCINERATOR AND SEWAGE DISPOSAL WORKS.
8. FILLED AND REPAIRED ROAD AND BANKS AND SET CURB FOR PARK DEPARTMENT ON RIVER ROAD AT YORK POND.
9. CONSTRUCTED 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.
10. DECORATED CITY FOR CHRISTMAS AND FOURTH OF JULY CELEBRATIONS.
11. SET UP AND REMOVED EQUIPMENT AT THE VARIOUS VOTING PLACES IN THE CITY FOR THE BOARD OF CANVASSERS.
12. GRADED AND PAVED WALKS AND PLAY AREAS IN SACKETT ST. PLAYGROUND
13. BUILT SIDEWALKS ON CHARLES AND MILL STREETS
14. GRADED, PAVED AND CURBED AREAS ADJACENT TO FOX POINT ELEMENTARY SCHOOL
15. REBUILT ADELAIDE AVENUE FOOT BRIDGE
16. RELOCATED CROSSINGS IN SAFETY ISLE ON NORTH MAIN STREET
17. OVERHAULED MOTOR ON HARBORMASTER'S BOAT
18. INSTALLED FLOODLIGHTS AT MUNICIPAL DOCK
19. REMOVED RUBBISH FROM CITY HALL
20. REPAIRED 230 WATER AND DRAIN OPENINGS.
21. MAINTAINED LIGHTS AND POWER ON RED AND POINT STREET BRIDGES

LAWNS AND GRASS PLATS

COHAN BOULEVARD	SEWAGE DISPOSAL GROUNDS
OAKLAND AVENUE	EDDY AND SHIP STREET
KINSLEY AVENUE	CHAD BROWN STREET
NORTH MAIN STREET	ATWELLS AVENUE
FRANKLIN SQUARE	MARKET SQUARE
ELMGROVE AVENUE	CEMETERY STREET
EIGHTH STREET AND LORIMER AVENUE	PITMAN STREET
GOVERNOR ROBERTS EXPRESSWAY	

BRIDGE MAINTENANCE SECTION

THIS SECTION IS RESPONSIBLE FOR THE REPAIR AND MAINTENANCE OF THE BRIDGES OF THE CITY.

THE EXPENDITURES OF THE SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$35,245.16
ITEM 1 SERVICES OTHER THAN PERSONAL	3,896.54
ITEM 2 MATERIALS AND SUPPLIES	6,591.26
TOTAL.....	45,732.96

REVENUE - \$34.90

THERE ARE 57 CITY-OWNED BRIDGES, OF WHICH 22 REQUIRED REPAIR WORK THIS YEAR.

ACORN ST. BRIDGE	MAGNOLIA ST. OVERPASS	MERINO PARK FOOTBRIDGE
SMITH ST. BRIDGE	POINT ST. BRIDGE	NASH LANE BRIDGE (PETTIS ST.)
CEMETERY ST. BRIDGE	ROGER WILLIAMS AVE. BRIDGE	
SMITHFIELD AVE. BRIDGE	RANDALL ST. BRIDGE	LIVINGSTONE ST. BRIDGE
VALLEY ST. BRIDGE	DELAINE ST. BRIDGE	PARK ST. BRIDGE
OLNEYVILLE EXPRESSWAY	WEST RIVER ST. BRIDGE	RED BRIDGE
HARRIS AVE. OVERPASS	LELAND ST. BRIDGE	CHARLES ST. R.R. BRIDGE
PLAINFIELD ST. OVERPASS	MERINO BRIDGE (GLENBRIDGE)	POINT ST. VIADUCT

ALSO THE FOLLOWING WORK WAS DONE:

1. ERECTED STEEL POLES FOR FLOODLIGHTING MUNICIPAL DOCK
2. REPAIRED SIDEWALKS ON THE FOLLOWING BRIDGES: RED, POINT, GLENBRIDGE AVENUE, ROGER WILLIAMS AVENUE, PARK STREET, SMITH STREET, LIVINGSTONE STREET, SMITHFIELD AVENUE, AND CEMETERY STREET.
3. REPAIRED ROADWAY PLANK ON POINT STREET, PARK STREET, CEMETERY STREET, SMITHFIELD AVENUE, WEST RIVER STREET AND DELAINE STREET.
4. REPAIRED LELAND STREET, MERINO PARK AND ADELAIDE AVENUE FOOTBRIDGES.
5. CAULKED AND PAINTED BOAT FOR RED BRIDGE AND BRIDGE MAINTENANCE SECTION.
6. REPAIRED HARBORMASTERS BOAT AND FLOATING DOCK.
7. BUILT NEW SLAG HOPPER UNDER BOILERS OF INCINERATOR.

THE HURRICANES ADDED MATERIALLY TO THE WORK LOAD OF THIS SECTION. MOST OF THE REHABILITATION REQUIRED WAS LOCATED MAINLY ON THE POINT STREET BRIDGE AND RED BRIDGE. THE WOOD HOUSING UNDER BOTH BRIDGES WAS BADLY DAMAGED AND TORN AWAY; WINDOWS WERE BROKEN OR MISSING; NAVIGATION LIGHTS AND FENDERS WERE BROKEN AND THE IRON FENCE AND SIDEWALKS ON THE SOUTH SIDE OF THE POINT STREET BRIDGE WAS BENT AND BROKEN. ALL OF THIS DAMAGE WAS REPAIRED AND THE MISSING PARTS REPLACED BY THE BRIDGE SECTION. IN ADDITION IT WAS NECESSARY TO REPAIR THE HARBORMASTERS BUILDING, THE MERINO FOOTBRIDGE, THE LELAND STREET FOOTBRIDGE, PARK STREET BRIDGE, LIVINGSTON STREET BRIDGE AND THE IRON FENCE ON THE APPROACH TO THE CHARLES STREET RAILROAD BRIDGE, WHICH WERE ALL DAMAGED AS A RESULT OF THE HURRICANES.

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	\$14,826.00
ITEM 1	SERVICES OTHER THAN PERSONAL	2,414.38
ITEM 2	MATERIALS AND SUPPLIES	660.67
ITEM 5	CAPITAL OUTLAY	75.36
TOTAL.....		\$17,976.41

REVENUE

SIDEWALK CONTRACTORS' LICENSES - \$780.00

THE OPERATIONS OF THE SECTION WERE AS FOLLOWS:

SIDEWALK CONTRACTORS' LICENSES ISSUED	78
NOTICES SERVED TO BUILD OR REPAIR	715
BUILT OR REPAIRED	587
PERMITS TO BUILD OR REPAIR	1074
SEWER OPENINGS INSPECTED	301
DRIVEWAYS INSPECTED	287
MEMORIAL SIGNS REPAINTED	22
MEMORIAL SIGNS APPROVED BY CITY COUNCIL	3
WASHOUT DEPRESSIONS INSPECTED	139
WING STREET SIGNS REPAINTED AND RE-LETTERED	108
POLE OPENINGS INSPECTED	204
TOTAL LIN.FT. OF TAR CONCRETE SIDEWALKS BUILT	35605
TOTAL LIN.FT. OF CEMENT CONCRETE SIDEWALKS BUILT	32155

THIS SECTION HAS UNDERTAKEN THE REPAIRING OF SIDEWALKS DUE TO HURRICANE DAMAGE. SIX LICENSED AND BONDED CONTRACTORS HAVE BEEN HIRED TO CARRY OUT THIS WORK.

THIS SECTION IS CONTINUALLY REPLACING ALL DEFECTIVE STREET AND MEMORIAL SQUARE SIGNS WITH BLACK AND WHITE METAL SIGNS. APPROXIMATELY 98 PER CENT OF THE STREET SIGNS IN THE CITY HAVE BEEN REPLACED WITH NEW SIGNS. 585 SIGNS HAVE BEEN ORDERED THIS YEAR AND ARE NOW BEING ERECTED.

FORESTRY SECTION

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

THIS SECTION WITH THE AID OF THE HIGHWAY SECTION AND HIRED EQUIPMENT TOOK OVER THE WORK OF CLEARING THE STREETS OF TREES DAMAGED AND BROKEN BY THE HURRICANES. THE TREES WITH BROKEN LIMBS WERE TRIMMED AND THOSE BROKEN TOO BADLY WERE TAKEN DOWN. THIS WORK IS STILL IN PROGRESS. 725 TREES HAVE BEEN TAKEN DOWN FROM THE STREETS AND 1800 TREES WERE PRUNED AND THUS SAVED.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$57,722.37
ITEM 1 SERVICES OTHER THAN PERSONAL	11,126.45
ITEM 2 MATERIALS AND SUPPLIES	8,172.05
ITEM 5 CAPITAL OUTLAY	795.63
TOTAL.....	\$77,816.50

REVENUE - \$1519.52

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

OF THE TOTAL OF 27,234 TREES ONLY 244 OR LESS THAN ONE PER CENT WERE IN BAD CONDITION. THESE DISEASED TREES ARE BEING REMOVED AND REPLACED BY NEW TREES FROM THE CITY NURSERY. TREES INFECTED WITH DUTCH ELM DISEASE ARE BEING REMOVED AND BURNED IMMEDIATELY IN AN EFFORT TO STAMP OUT THE DISEASE.

ALL ELM TREES WERE GIVEN A DORMANT SPRING SPRAY FOR CONTROL OF THE DUTCH ELM DISEASE AND A SUMMER SPRAY OF D.D.T. FOR ELM LEAF BEETLE, WAS ALSO GIVEN.

THE SECTION MOVED TO THE OLD MUNICIPAL LODGE ON EDDY STREET IN AUGUST. THE OFFICE AND SHOP HERE ARE IN GOOD SHAPE BUT THERE ARE NO FACILITIES FOR HOUSING THE TRUCKS AND LARGE EQUIPMENT.

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 1,927 TREES IN THE NURSERY.

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

NUMBER OF TREES PRUNED (REGULAR)	1,762
NUMBER OF TREES PRUNED (HURRICANE)	1,800
TOTAL.....	3,562
NUMBER OF TREES REMOVED (REGULAR)	418
NUMBER OF TREES REMOVED (HURRICANE)	725
TOTAL.....	1,143
NUMBER OF TREES SPRAYED	11,069
NUMBER OF TREES PLANTED	591

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;

5,200 TONS OF SAND
500 TONS OF SALT

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$55,588.32
ITEM 1 SERVICES OTHER THAN PERSONAL	36,430.19
ITEM 2 MATERIALS AND SUPPLIES	<u>20,839.40</u>
TOTAL.....	\$115,857.91

SEWER 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.

THIS SECTION TOOK OVER THE ADDED BURDEN DUE TO THE HURRICANES OF CLEARING MANY BASINS, DRAINS AND SEWERS, AND REPLACING AND/OR REPAIRING SOME SEWERS, DRAINS AND SEWER STRUCTURES. MOST OF THE SLOTS HAD TO BE CLEANED AND MANY OF THE TIDE GATES REPAIRED OR REPLACED.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$269,868.92
ITEM 1 SERVICES OTHER THAN PERSONAL	66,860.10
ITEM 2 MATERIALS AND SUPPLIES	13,265.67
ITEM 7 NEW SEWERS	<u>170,649.39</u>
TOTAL.....	\$520,464.08

REVENUE - \$38,016.70

MAINTENANCE AND CONSTRUCTION WORK PERFORMED

FOLLOWING IS AN OUTLINE OF THE WORK:

BROKEN TRAPS REPLACED	28
BROKEN CATCH BASINS REPLACED	6
BROKEN FRAMES AND COVERS REPLACED	2
BROKEN MANHOLE COVERS REPLACED	5
MANHOLES REPAIRED	5
CHUTES REBUILT AND/OR REPAIRED	58
BASINS REPAIRED	5
BROKEN INLET STONES REPLACED	34
GUTTER GRATES RESET	10
NEW BASINS	7
HOUSE CONNECTIONS REPAIRED	12

OTHER CONSTRUCTION AND MAINTENANCE WORK PERFORMED

WORK PERFORMED IN REPAIRING TRUNK SEWER LINES:

BUILT 115 FT. 60" STORM SEWER IN DAVIS PARK CONNECTING PLEASANT VALLEY PARKWAY BROOK TO COMBINED SEWER.

BUILT 135 FT. OF 12" STORM SEWER FROM TERMINATION OF BRADISH COURT TO STORM SEWER ON RIDGE STREET.

REBUILT SECTION OF 15" STORM SEWER ON ARNOLD AVENUE NEAR ROGER WILLIAMS PARK.

REBUILT SECTION OF SANITARY SEWER ON CHURCH STREET NEAR NORTH MAIN STREET.

BUILT ONE GUTTER GRATE BASIN ON CARL STREET

BUILT MANHOLE IN YORK POND WITH GATE VALVE.

REPORT ON OIL AND GASOLINE INSPECTIONS

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

INSPECTOR MADE 1,685 VISITS AND DISCOVERED VERY FEW INFRACTIONS OF THE LAW. AFTER BEING NOTIFIED TO MAKE NECESSARY IMPROVEMENTS THE DEFICIENCIES WERE PROMPTLY CORRECTED.

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

8,749	BASINS CLEANED	19,959.69 CU.YDS.
61	SUMPS CLEANED	175.80 CU.YDS.
1,140	GRATES CLEANED	711.18 CU.YDS.
	LINES FLUSHED	35,360.00 FEET
1,480	COMPLAINTS RECEIVED	ALL CLEARED.

STREET OPENINGS

STREET OPENINGS FOR PRIVATE DRAIN CONNECTIONS, OCTOBER 1, 1953 TO SEPTEMBER 30, 1954 - 78.

LABOR AND MATERIALS FURNISHED FOR WORK PERFORMED IN CONJUNCTION WITH THE HIGHWAY SECTION.

BASINS BROUGHT TO GRADE	33
MANHOLES BROUGHT TO GRADE	440

PUBLIC BUILDINGS SECTION

THIS SECTION IS RESPONSIBLE FOR THE PREPARATION OF PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION, MAINTENANCE, REMODELING AND REPAIR OF ALL PUBLIC BUILDINGS OWNED BY THE CITY. A DRAFTING ROOM IS LOCATED IN THE CHALKSTONE AVENUE SCHOOL WHERE THE PLANS AND SPECIFICATIONS ARE PREPARED AND A SHOP AND STORE ROOM IS LOCATED ON HENDERSON 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 THIS SECTION SUPERVISE THE VARIOUS CONSTRUCTION PROJECTS.

THIS SECTION SUPERVISED THE CLEANING AND REHABILITATION OF THE SCHOOLS, CITY HALL, COMFORT STATIONS AND OTHER PUBLIC BUILDINGS DAMAGED BY THE HURRICANES.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0	PERSONAL SERVICES	\$74,413.65
ITEM 1	SERVICES OTHER THAN PERSONAL	8,075.27
ITEM 2	MATERIALS AND SUPPLIES	3,167.77
ITEM 5	CAPITAL OUTLAY	267.65
TOTAL.....		\$85,924.34

REVENUE - \$71.98

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 FOX POINT ELEMENTARY SCHOOL.
3. SUPERVISED THE CONSTRUCTION OF THE NEW MUNICIPAL GARAGE AT ALLENS AVENUE

AND ERNEST STREET.

4. SUPERVISED THE PLANS AND SPECIFICATIONS FOR THE NEW JOSLIN STREET SWIMMING POOL.
5. SUPERVISED THE TAKING OF BORINGS AND ADVISED ON TYPE OF FOUNDATION FOR THE NEW OFF STREET PARKING GARAGE.
6. DESIGNED NEW LIGHTING SYSTEM FOR COUNCIL CHAMBER.
7. SUPERVISED INSTALLATION OF NEW BOILER FOR TRAFFIC ENGINEERS' BUILDING.
8. PERFORMED GENERAL REPAIR WORK AND PAINTING ON SIXTY-SIX PUBLIC SCHOOLS.
9. PERFORMED GENERAL REPAIR WORK ON TEN BATH HOUSES.
10. PERFORMED GENERAL REPAIR WORK ON THE THREE POLICE STATIONS AND SEVEN FIRE STATIONS.
11. SUPERVISED THE CONSTRUCTION OF THE NEW SANITATION GARAGE AND REPAIR SHOP AT FIELDS POINT.
12. SUPERVISED DRAWINGS FOR NEW SOUTH PROVIDENCE ELEMENTARY SCHOOL.
13. DRAW UP PLANS AND SPECIFICATIONS FOR NEW OVERHEAD DOORS ON THE SEWER MAINTENANCE GARAGE.
14. DREW PLANS AND SUPERVISED INSTALLATION OF NEW ELEVATOR AND SHAFT AT CHARLES V. CHAPIN HOSPITAL.

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 AUTOMATIVE, CONSTRUCTION AND MAINTENANCE EQUIPMENT IS FURNISHED TO THE SECTION REQUIRING ITS USE ON A RENTAL BASIS. THESE RENTAL PAYMENTS ARE SHOWN AS RECEIPTS IN THE REVOLVING FUNDS WHICH TOGETHER WITH THE MONEY RECEIVED FOR STOCK ORDERS AND JOB ORDERS, COMPRISE THE MONEY USED FOR DEFRAYING THE OPERATING EXPENSES AND PURCHASE 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 FOR 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
PUBLIC SERVICE DIVISION
ENGINEERING DIVISION
BUSINESS MANAGEMENT DIVISION
HIGHWAY SECTION

BRIDGE MAINTENANCE SECTION
SNOW REMOVAL SECTION
FORESTRY SECTION
SIDEWALKS AND CURBING SECTION
PUBLIC BUILDINGS SECTION

STREET CLEANING SECTION

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

A LIST OF THE AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

54 TRUCKS	1 SHOVEL 3/8 CU.YDS.
21 PASSENGER CARS	2 SHOVELS 3/4 CU.YDS.
7 AIR COMPRESSORS	5 ROAD GRADERS
5 8-10 TON.TANDEM ROLLERS	2 MIST SPRAYERS
2 5-TON ROLLERS	2 CONCRETE MIXERS 3 S
2 3-5 TON GALLION ROLLERS	8 STREET SWEEPERS
1 CONCRETE MIXER 10 S	9 SNOW LOADERS
1 FRONT END LOADER	4 LAWN MOWERS-POWER
1 GRADALL	11 TAIL GATE SPREADERS
2 HOIST TRUCKS 1500#	80 SNOW PLOWS
1 HOIST TRUCK 3000#	1 50-TON TRAILER
2 BULLDOZERS TD 18	2 TRACTORS
	2 10-TON 3 WHEEL ROLLERS

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

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

1 3/4 TON TRUCK	4 PASSENGER CARS
2 STREET SWEEPERS	4 5-TON DUMP TRUCKS
1 FRONT END LOADER	1 GRADALL
1 SNOW LOADER	1 5-TON STAKE BODY TRUCK
1 AIR COMPRESSOR	

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 HOISE	AUTOMOTICE REPAIR SHOP
1 AIR COMPRESSOR	PAINT SHOP
1 INSLEY CRANE	SEWAGE DISPOSAL WORKS
1 EMERGENCY MOTOR AND GENERATOR	POINT STREET BRIDGE
1 MOTOR	HARBOR MASTER'S BOAT
1 TD9 BULLDOZER	CITY DUMP
2 BUCKETS CLAMSHELL	INCINERATOR
4 BUCKETS ORANGE PEEL	SEWER MAINTENANCE SECTION
1 5-TON TANDEM ROLLER	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 \$58,682.99 IN MATERIAL, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1954.

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 THESE SECTIONS ON A RENTAL BASIS.

A LIST OF AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

4 EDUCTORS	4 AIR COMPRESSORS
3 RERRICK TRUCKS	2 6 INCH CENTRIFUGAL PUMPS
3 PASSENGER CARS	1 4 INCH CENTRIFUGAL PUMP
4 DUMP TRUCKS	2 3 INCH CENTRIFUGAL PUMPS
2 CARGO TRUCKS	1 3 INCH DIAPHRAM PUMP
2 PICKUP TRUCKS	1 SEWER CLEANING MACHINE

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

DURING THE YEAR THE FOLLOWING EQUIPMENT WAS PURCHASED:

ONE EACH EDUCTOR; 6 INCH PUMP; 3/4 TON PICKUP TRUCK.

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 MATERIAL PARTS AND SUPPLIES REQUIRED BY THE SEWER MAINTENANCE SECTION.

AN INVENTORY OF \$11,577.57 IN MATERIAL, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1954.

RECOMMENDATIONS

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

THE FOLLOWING NEW MECHANICAL EQUIPMENT SHOULD BE PURCHASED FOR THE SEWER MAINTENANCE SECTION:

- 1 EDUCTOR (FOR CLEANING BASINS)
- 1 SET OF WINCHES AND BUCKETS FOR CLEANING SEWERS
- 1 MECHANICAL RODDER
- 1 3/4 TON PICKUP TRUCK

THE STRINGERS AND PLANK ROADWAY ON THE PARK STREET BRIDGE SHOULD BE REPLACED.

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

LELAND STREET FOOTBRIDGE SHOULD BE REBUILT. THE FLOATING DOCK AT THE HARBOR MASTERS WHARF AT POINT AND SOUTH WATER STREETS IS COMPLETELY GONE AND A NEW ONE MUST BE BUILT.

THE STRINGERS AND PLANK ON WEST RIVER STREET BRIDGE SHOULD BE REPLACED.

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

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

TWO NEW STREET SWEEPERS SHOULD BE PURCHASED TO REPLACE THE 1939 ELGIN SWEEPER AND THE 1947 WAYNE SWEEPER. THESE SWEEPERS ARE NOW IN NEED OF MAJOR REPAIRS AND THE MAINTENANCE COST IS EXHORBITANT.

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

RECOMMEND THAT ONE OF THE FIVE ROAD GRADERS BE REPLACED. ALL FIVE GRADERS NOW REQUIRE EXTENSIVE REPAIRS AND A STEPPED UP REPLACEMENT PLAN SHOULD BE STARTED SO AS TO CUT DOWN THE COST OF OPERATION.

THE EIGHT GMC 6X6 DUMP TRUCKS AND TWELVE GMC 1945-5 TON DUMP TRUCKS USED BY THE HIGHWAY SECTION SHOULD BE REPLACED. THE MAINTENANCE COST ON EACH OF THESE VEHICLES IS EXCESSIVE.

THE TWO BULLDOZERS (TD18s) USED BY THE HIGHWAY SECTION ARE IN VERY POOR CONDITION; ONE A 1946 MODEL REQUIRES A NEW MOTOR, REBUILDING THE TRACKS AND OTHER REPAIRS. THIS UNIT SHOULD BE REPLACED THIS YEAR. THE OTHER UNIT A 1947 MODEL REQUIRES A REBUILDING JOB ON THE TRACKS AND THEN COULD BE RUN FOR TWO OR THREE YEARS MORE.

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 TIRED WHEELS SHOULD BE PURCHASED TO REPLACE THE OLD WAGONS.

THE HIGHWAY SECTION IS USING 5-10 1/2 TON TANDEM ROAD ROLLERS. TWO OF THESE ROLLERS ARE IN VERY POOR CONDITION AND SHOULD BE REPLACED.

A NEW 105 CFM PORTABLE AIR COMPRESSOR SHOULD BE PURCHASED FOR THE HIGHWAY SECTION.

NEW BOILERS ARE BEING 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 HIGHWAY OFFICE BUILDING IS NOW BEING HEATED ALONG WITH THE SCALE HOUSE, PAINT SHOP, FORESTRY SHOP AND OFFICE, BY AN OLD HOT WATER HEATER. THIS HEATER IS NOT LARGE ENOUGH FOR THE JOB. THE OLD BOILER HAS TWO BROKEN SECTIONS AND BEING IN EXCESS OF FIFTY YEARS OLD, NEW PARTS CANNOT BE OBTAINED TO REPAIR IT. IT SHOULD BE REPLACED WITH A NEW CAST IRON BOILER, WEIL-MCLAIN 40-S-10 OR EQUAL WITH OIL BURNING EQUIPMENT, THE APPROXIMATE COST INSTALLED \$4,000.00. THE STEAM AND RETURN MAINS IN THE HIGHWAY OFFICE BUILDING SHOULD BE REPLACED.

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 SIMILAR TO THAT OWNED BY THE UNITED TRANSIT COMPANY.

THE FIFTY TON TRAILER USED TO MOVE CONSTRUCTION EQUIPMENT HAS NO BRAKES. NEW BRAKES INSTALLED WILL COST \$8,000.00 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 TWENTY-FIVE TON LOWBOY TRAILER WITH TRACTOR BE PURCHASED TO REPLACE IT.

RESPECTFULLY SUBMITTED,

ROBERT B. STRONG
CHIEF OF 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 1953-54. THIS DIVISION IS DIVIDED INTO THE FOLLOWING SECTIONS:

SANITATION ADMINISTRATION
STREET CLEANING
SEWAGE PUMPING STATION
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 STATIONS, THE SANITATION SHOP AND STORES AND A PORTION OF THE WORK PERTAINING TO THE SEWAGE DISPOSAL WORKS. CONDENSED RECORDS FROM ALL SECTIONS ARE MAINTAINED AND FILED IN THIS OFFICE FOR REFERENCE.

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

ITEM 0	PERSONAL SERVICES	38586.90
ITEM 1	SERVICES OTHER THAN PERSONAL	739.85
ITEM 2	MATERIALS AND SUPPLIES	22.48

STREET CLEANING SECTION

THIS SECTION IS CHARGED WITH THE CLEANING OF ALL STREETS AND HIGHWAYS WITHIN THE CITY LIMITS, AND THE CARE AND MAINTENANCE OF ALL TRASH CANS LOCATED THROUGHOUT THE CITY. IN THE DOWNTOWN SECTION OF THE CITY, ALL STREETS BOUNDED BY DYER AND SOUTH MAIN STREETS, WASHINGTON ROW, UNION STATION, WEST EXCHANGE STREET, ABORN, EMPIRE, CHESTNUT AND CLIFFORD STREETS WERE CLEANED DAILY. THE FOLLOWING MAIN STREETS WERE ALSO CLEANED DAILY:

ANGELL STREET, BUTLER AVENUE TO WAYLAND AVENUE
ATWELLS AVENUE, ABORN STREET TO RAILROAD BRIDGE
BROAD STREET, EMPIRE STREET TO TRINITY SQUARE
BROADWAY, LASALLE SQUARE TO OLNEYVILLE SQUARE
BUTLER AVENUE, SOUTH ANGELL STREET TO WATERMAN STREET
CHARLES STREET, RAILROAD BRIDGE TO CITY LINE
DOUGLAS AVENUE, ADMIRAL STREET TO MOWRY STREET
GAY STREET, WILLARD AVENUE TO BLACKSTONE STREET
GOVERNOR STREET, WICKENDON STREET TO POWER STREET
IVES STREET, WICKENDEN STREET TO POWER STREET
NORTH MAIN STREET, COLLEGE STREET TO MILL STREET
PLAINFIELD STREET, HARTFORD AVENUE TO WEBSTER AVENUE
POCASSET AVENUE, OLNEYVILLE SQUARE TO CITY LINE
RANDALL STREET, CHARLES STREET TO NORTH MAIN STREET

SMITH STREET, STATE HOUSE TO OAKLAND AVENUE
 SOUTH ANGELL STREET, WAYLAND AVENUE TO BUTLER AVENUE
 SOUTH MAIN STREET, COLLEGE STREET TO POINT STREET
 WAYLAND AVENUE, WATERMAN STREET TO ANGELL STREET
 WESTMINSTER STREET, EMPIRE STREET TO HOYLE SQUARE
 WEYBOSSET STREET, EMPIRE STREET TO CATHEDRAL SQUARE
 WICKENDEN STREET, EAST STREET TO IVES STREET
 WILLARD AVENUE, GAY STREET TO PRAIRIE AVENUE

THE FOLLOWING SQUARES WERE ALSO CLEANED DAILY:

EAGLE PARK SQUARE	TRINITY SQUARE
OLNEYVILLE SQUARE	WAYLAND SQUARE
RANDALL SQUARE	WASHINGTON PARK SQUARE

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.

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

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	536 MILES
BEAT PATROL-ASSIGNED ROUTES	9736 MILES
MACHINE BROOM SWEEPING	16501 MILES
AMOUNT COLLECTED BY HAND BROOM SWEEPING	5947 TONS
AMOUNT COLLECTED BY BEAT PATROL AND STREET CONTAINERS	6120 TONS
AMOUNT COLLECTED BY MACHINE SWEEPING	9997 TONS

THE EXPENDITURES FOR THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$284,265.68
ITEM 1 SERVICES OTHER THAN PERSONAL	86,974.89
ITEM 2 MATERIALS AND SUPPLIES	2,341.14
TOTAL.....	\$373,581.71

SEWAGE DISPOSAL WORKS

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

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

ESTIMATED POPULATION SERVED BY THE PLANT:

PROVIDENCE	246,000
PAWTUCKET	10,000
NORTH PROVIDENCE	7,000
TOTAL CONNECTED POPULATION	263,000

SEWAGE FLOW:	MILLION GALLONS
PROVIDENCE	18,847.97
PAWTUCKET	400.00
NORTH PROVIDENCE	2,197.09
CRANSTON (NARRAGANSETT BREWING COMPANY)	99.53
TOTAL SEWAGE FLOW	21,544.59

SUMMARY OF OPERATIONS:

TOTAL FLOW OF SEWAGE	21,544.59 M.G.
AVERAGE DAILY FLOW	59.03 M.G.
MAXIMUM DAILY FLOW (AUGUST 31, 1954)	123.11 M.G.
MINIMUM DAILY FLOW (OCTOBER 18, 1953)	39.63 M.G.
TOTAL AIR USED FOR AERATION	8,456.48 M.C.F.
CALCIUM HYPOCHLORITE USED	4,706.90 TONS
CHLORINE AS HYPOCHLORITE	367.59 TONS
LIQUID CHLORINE	130.27 TONS
TOTAL CHLORINE USED	497.86 TONS
FERRIC CHLORIDE USED	69.61 TONS
LIME	169.38 TONS
GRIT AND SCREEN REMOVALS	4,447.5 TONS
SLUDGE INCINERATED	5,906.8 TONS
TOTAL REMOVALS	10,354.3 TONS
ASH REMOVED FROM INCINERATOR	743.6 TONS
FUEL OIL USED IN INCINERATOR	96,135.0 GALS.

THE POWER USED AT THE DISPOSAL PLANT, FURNISHED BY THE GENERATORS AT THE GARBAGE INCINERATOR, WAS AS FOLLOWS:

<u>1953</u>	<u>K.W.H.</u>	<u>1954</u>	<u>K.W.H.</u>
OCTOBER	47,400	APRIL	62,700
NOVEMBER	59,200	MAY	57,200
DECEMBER	64,000	JUNE	58,400
<u>1954</u>		JULY	116,800
JANUARY	57,800	AUGUST	174,700
FEBRUARY	52,100	SEPTEMBER	159,600
MARCH	61,900		

TOTAL 971,800 K.W.H.

THE EXPENDITURES FOR THE YEAR WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$101,782.01
ITEM 1 SERVICES OTHER THAN PERSONAL	7,413.45
ITEM 2 MATERIALS AND SUPPLIES	102,991.43
ITEM 5 CAPITAL OUTLAY	796.48
TOTAL.....	\$212,983.32

ROOTS CONNERSVILLE AIR BLOWER NO. 1 WAS PLACED ON A DIRECT POWER LINE FROM THE LOCAL POWER COMPANY SO THAT SUPPLEMENTARY POWER WOULD BE AVAILABLE AT SUCH TIMES THAT THE GARBAGE INCINERATOR COULD NOT MEET THE DEMAND. SOME DIFFICULTIES WERE EXPERIENCED IN OPERATING THIS BLOWER ON HIGH SPEED, WHICH NECESSITATED INSTALLATION OF ADDITIONAL

TRANSFORMERS ON THE PANEL OF THIS MACHINE. THIS WORK WAS ACCOMPLISHED BY A WESTINGHOUSE FIELD ENGINEER.

METCALF & EDDY, CONSULTING ENGINEERS OF BOSTON, MASS. CONTINUED PILOT PLANT STUDIES UNTIL MAY 1954. IN AUGUST 1954 THEIR INITIAL RECOMMENDATIONS WERE PRESENTED FOR CONSIDERATION TO THE CITY AUTHORITIES AND THE CHIEF ENGINEER OF THE RHODE ISLAND PUBLIC HEALTH COMMISSION. AT THE CONCLUSION OF THE PILOT PLANT STUDIES, THE PLANT RETURNED TO HIGH RATE ACTIVATION WITH CHLORINATION.

BECAUSE OF THE SMALL SIZE OF THE MAINTENANCE CREW, AND THE DETERIORATED CONDITION OF THE TREATMENT MECHANISMS, PLANT PERSONNEL WAS HARD PRESSED TO KEEP AHEAD OF THE EVER INCREASING NUMBER OF BREAKDOWNS.

ROUTINE REPAIR WORK WAS PERFORMED IN THE SLUDGE INCINERATOR AND ON THE ASH HANDLING EQUIPMENT. IT WAS NECESSARY TO EMPLOY THE SERVICES OF A LOCAL REFRACTORY CONCERN TO REPLACE FIRE BRICKS IN THE ARCH OF THE BREECHING OF THE SLUDGE INCINERATOR.

BECAUSE OF ALERTNESS OF PLANT PERSONNEL IN REMOVING EQUIPMENT BEFORE THE WATERS REACHED FLOOD STAGE, DAMAGE TO PLANT EQUIPMENT FROM SUBMERSION, AS A RESULT OF HURRICANE CAROL, WAS NEGATIVE; ONLY ONE CHLORINIZER SOLUTION PUMP MOTOR REQUIRED BAKING OUT AS A RESULT OF BEING SUBMERGED. THIS PUMP WAS LEFT IN OPERATION INTRODUCING CHLORINE SOLUTION INTO THE TREATED SEWAGE, UNTIL THE WATER BECAME TOO HIGH FOR PLANT PERSONNEL TO REMOVE IT. CONSIDERABLE DAMAGE WAS DONE TO THE ROOFS OF THE VARIOUS BUILDINGS AS A RESULT OF WIND VELOCITY.

FILTER CLOTH STUDIES ARE BEING CONTINUED AND AT THE PRESENT TIME EXPERIMENTATION IS BEING CONDUCTED WITH A NEW TYPE CLOTH WHICH, IF PROVED SUCCESSFUL, WILL RESULT IN CUTTING DOWN CONSIDERABLY THE OVERALL COST OF SLUDGE FILTRATION.

SEWAGE PUMPING STATION

THIS SECTION IS CHARGED WITH THE OPERATION AND MAINTENANCE OF THREE SEWAGE PUMPING STATIONS IN THE CITY. THE MAIN STATION IS LOCATED ON ERNEST STREET AND HANDLES APPROXIMATELY ALL OF THE SEWAGE FLOW. ONE OF THE SMALLER STATIONS IS SITUATED ON RESERVOIR AVENUE NEAR THE CITY LINE AND THE OTHER IN HARBORSIDE PARK, FIELDS POINT.

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

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

	STATION #1	STATION #2	STATION #3	
	<u>ERNEST ST.</u>	<u>WASHINGTON PARK</u>	<u>RESERVOIR AVENUE</u>	<u>TOTAL</u>
<u>1953</u>				
OCTOBER	1487.0	14.0	3.0	1504.0
NOVEMBER	1555.0	14.0	3.0	1572.0
DECEMBER	1793.0	14.0	3.0	1810.0
<u>1954</u>				
JANUARY	1537.0	13.0	2.0	1552.0
FEBRUARY	1482.0	13.0	2.0	1497.0
MARCH	1659.0	13.0	2.0	1674.0
APRIL	1699.0	13.0	3.0	1715.0
MAY	2046.0	13.0	3.0	2062.0
JUNE	1505.0	12.0	2.0	1519.0
JULY	1682.0	12.0	2.0	1696.0
AUGUST	1674.0	13.0	3.0	1690.0
SEPTEMBER	1775.0	12.0	2.0	1789.0
TOTALS.....	19894.0	156.0	30.0	20080.0

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

<u>1953</u>	<u>K.W.H.</u>
OCTOBER	99900
NOVEMBER	207000
DECEMBER	241000
<u>1954</u>	
JANUARY	209800
FEBRUARY	200000
MARCH	230000
APRIL	229200
MAY	273000
JUNE	201200
JULY	196000
AUGUST	224800
SEPTEMBER	<u>230800</u>
TOTAL.....	2542700

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

ITEM 0 PERSONAL SERVICES	\$49,323.64
ITEM 1 SERVICES OTHER THAN PERSONAL	1,298.48
ITEM 2 MATERIALS AND SUPPLIES	4,076.45

GARBAGE COLLECTION AND DISPOSAL

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

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

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

ALL THE AUTOMOTIVE EQUIPMENT USED BY THIS SECTION IS RENTED FROM THE SANITATION SHOP AND STORES ON KINSLEY AVENUE.

THE OLDER UNIT WAS COMPLETELY RENOVATED DURING THIS FISCAL YEAR. A NEW INCINERATING UNIT, OF THE TRAVELLING GRATE TYPE, WAS INSTALLED BY GEORGE ALLEN & SONS OF NEW YORK CITY. THIS UNIT IS EXPECTED TO BE IN OPERATION SOON AFTER JANUARY 1, 1955.

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

ITEM 0 PERSONAL SERVICES	\$457,340.46
ITEM 1 SERVICES OTHER THAN PERSONAL	84,055.21
ITEM 2 MATERIALS AND SUPPLIES	10,261.34
ITEM 3 SPECIAL ITEMS	5,151.67

THE FOLLOWING IS THE TOTAL AMOUNT OF GARBAGE AND RUBBISH DISPOSED OF BY THIS DEPARTMENT, ALSO ASHES REMOVED, FROM OCTOBER 1953 TO SEPTEMBER 1954.

	GARBAGE (TONS)	RUBBISH (ESTIMATED) (TONS)
<u>1953</u>		
OCTOBER	3328.20	976.80
NOVEMBER	3239.10	864.00
DECEMBER	3264.20	945.00
<u>1954</u>		
JANUARY	3268.05	801.40
FEBRUARY	2942.05	713.00
MARCH	3402.00	925.00
APRIL	3098.52	874.50
MAY	3114.40	846.10
JUNE	3067.15	891.15
JULY	3170.95	958.50
AUGUST	3389.60	846.50
SEPTEMBER	3276.40	904.50
TOTALS.....	38560.62	10546.45
COMBINED TOTAL.....	49107.07	

DAILY AVERAGE FOR COLLECTION BASED ON 313 WORKING DAYS.

GARBAGE	123.19 TONS
RUBBISH	33.69 TONS
TOTAL.....	156.88 TONS

DAILY AVERAGE FOR DISPOSAL BASED ON 365 WORKING DAYS.

GARBAGE	105.64 TONS
RUBBISH	28.89 TONS
TOTAL.....	134.53 TONS

DURING THE FISCAL YEAR 45,000 GALLONS OF NO.6 FUEL OIL WERE USED TO MAINTAIN THE STEAM PRESSURE IN TIMES OF EMERGENCY OR MECHANICAL BREAKDOWN.

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

	SEWAGE DISPOSAL	SEWAGE PUMPING	STATION POWER
<u>1953</u>			
OCTOBER	47,400	99,900	184,700
NOVEMBER	59,200	207,000	83,800
DECEMBER	64,000	241,000	89,000
<u>1954</u>			
JANUARY	57,800	209,800	90,400
FEBRUARY	52,100	200,000	79,900
MARCH	61,900	230,000	98,100
APRIL	62,700	229,200	82,100
MAY	57,200	273,000	82,800
JUNE	58,400	201,200	78,400
JULY	116,800	196,000	80,200
AUGUST	174,700	224,800	81,500
SEPTEMBER	159,600	230,800	82,600
TOTAL.....	971,800	2,542,700	1,113,500

	K.W.H.
TOTAL POWER GENERATED	4,628,000
AVERAGE DAILY DISTRIBUTED LOAD	12,679
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE DISPOSAL PLANT	2,663
AVERAGE DAILY DISTRIBUTED LOAD TO PUMPING STATION	6,966
AVERAGE DAILY DISTRIBUTED LOAD USED AT INCINERATOR	3,050

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

	TONS
<u>1953</u>	
OCTOBER	490.30
NOVEMBER	453.25
DECEMBER	490.30
<u>1954</u>	
JANUARY	469.90
FEBRUARY	452.30
MARCH	508.00
APRIL	488.00
MAY	464.20
JUNE	464.20
JULY	517.00
AUGUST	515.00
SEPTEMBER	508.80
TOTAL.....	5,821.25

THE FOLLOWING IS A SUMMARY OF REPAIR WORK PERFORMED BY INCINERATOR EMPLOYEES ON BOTH UNITS DURING THE FISCAL YEAR:

A COMPLETE NEW HIGH PRESSURE STEAM MAIN WAS INSTALLED TO THE STEAM INJECTOR.

A NEW 2" WATER MAIN WAS INSTALLED TO TAKE CARE OF THE OUTSIDE GARBAGE PITS IN CASE OF FIRE.

TWO NEW CAT WALKS WERE INSTALLED ON UNITS NO. 1 AND 2. THE MEN USED TO WORK ON LADDERS WHEN CLEANING THE BOILERS AND THE NEW CAT WALKS WILL ELIMINATE THIS DANGEROUS PROCEDURE.

ALL DRAIN RETURNS ON BOILERS 1 AND 2 WERE COMPLETELY RENEWED.

NEW GAUGE PIPING AND VALVES WERE COMPLETELY INSTALLED ON BOTH BOILERS.

SIX NEW VALVES WERE INSTALLED ON BOILER BLEEDERS.

THE GARBAGE GRAB BUCKET IN UNIT NO. 1 WAS OVERHAULED AND IS NOW IN GOOD CONDITION.

THE STEAM AND OIL PIPING WAS REVAMPED ON THE OIL PUMPS IN UNIT NO. 1.

THE SOOT BLOWERS WERE RE-BUILT AND INSTALLED IN BOTH BOILERS.

THE WIND BOXES USED FOR SECONDARY AIR WERE COMPLETELY OVERHAULED, WELDED, RED LEADED AND FINISHED WITH COAT OF QUIGLEY AAA.

THE FOLLOWING WORK WAS DONE ON ELECTRIC CRANE IN UNIT NO. 1, NEW BRAKE SHOES, NEW FINGERS AND SEGMENTS, DASH POTS WERE REPAIRED, RENEWED TROLLEY WIRES AND CLEANED AND OVERHAULED DASH POTS ON BRAKE ASSEMBLY.

WE ARE NOW INSTALLING A BARBER-COLEMAN, MODEL 192, TEMPERATURE REGISTER. ALL NECESSARY PIPING AND WIRING BEING DONE BY EMPLOYEES.

THE FOLLOWING WORK WAS DONE ON THE WATER COLUMN, NEW TRI-COCK, NEW FLOATS, NEW DRAINS AND NEW VALVES.

TANK FOR WATER STORAGE FOR TURBINES WAS CLEANED, RED LEADED AND PAINTED WITH QUIGLEY AAA. THE FLOAT CONTROL WAS ALSO REPAIRED.

NEW CHECK VALVES WERE INSTALLED IN BLOW-DOWN DRAIN. THIS WORK WAS DONE TO PREVENT THE BACKING UP OF THE STEAM. ALL PIPING IN TRENCH WAS CLEANED, RED LEADED AND PAINTED WITH QUIGLEY AAA TO PREVENT DETERIORATION.

WE ARE NOW INSTALLING A LARGER AIR TANK WHICH WAS USED IN THE OLD PLANT BEFORE THE RENOVATION JOB. BY DOING THIS IT WILL GIVE US DOUBLE THE CAPACITY WHICH WE USED TO HAVE AND RESULT IN A BETTER CLEANING JOB IN THE BOILERS.

TWO INGERSOLL-RAND AIR COMPRESSORS WERE DISMANTLED AND ARE NOW IN STORAGE AT THE FIELDS POINT PLANT. THESE COMPRESSORS ARE OF 65 LB., CAPACITY AND ANY DEPARTMENT HAVING USE FOR SAME MAY SEE THEM HERE.

TWO NEW SETS OF BRAKE SHOES WERE INSTALLED ON ELECTRIC CRANE. NEW FINGERS AND NEW TROLLEY WIRES WERE ALSO INSTALLED.

THE FOLLOWING WORK WAS DONE ON THE GARBAGE GRAB BUCKET: TWO PROTECTIVE PLATES WERE ATTACHED AND NEW SPIKES WERE MADE AND ATTACHED.

FOUR SETS OF BREAKERS AND COILS, NEW BRAKE FOOT PEDAL AND HYDRAULIC REPAIR KIT WERE INSTALLED IN ELECTRIC CRANE.

PROTECTIVE FLOOR PLATES WERE INSTALLED IN FRONT OF THE HOPPERS.

A NEW AIR LINE TO THE ELECTRICIAN'S WORK SHOP WAS INSTALLED.

THE ROOF IN INCINERATOR FURNACE WAS REPAIRED FIVE TIMES DURING THE YEAR, THE INCINERATOR WAS SHUT DOWN AND THIS WORK WAS PERFORMED ON SUNDAYS.

SEVEN CHARGING DOORS WERE RE-BUILT AND REPLACED AND FOUR AIR CYLINDERS WERE REBUILT.

FOUR CARRIAGE WHEELS WERE REPLACED ON THE COMPRESSED AIR DOORS ON TOP OF THE FURNACE.

FOUR NEW GATES WERE COMPLETELY RE-BUILT AND A NEW DAMPER WAS INSTALLED IN THE BOILER BREECHING.

NEW BEARINGS WERE INSTALLED ON THE FORCED DRAFT AND INDUCED FANS.

BOTH OIL PUMPS WERE REPAIRED.

ELEVEN BOILER TUBES WERE REPLACED IN BOILERS 3 AND 4.

WE INSTALLED A NEW 2" WATER LINE, CONNECTING BOTH PLANTS, TO TAKE CARE OF THE GLAND WATER SEALS ON TURBINES AND GENERATOR COOLING AND OIL COOLING. THIS WILL ELIMINATE ONE OF THE POSSIBILITIES OF SHUT-DOWNS IN THE FUTURE.

A NEW 1 1/4" COPPER WATER LINE WAS INSTALLED TO TAKE CARE OF THE TANKLESS HEATER, OFFICE AND SHOWERS.

ASH HOPPERS, BOILERS, BOILER BREECHINGS, SIDE WALLS IN BOILER ROOM, PIPING, OFFICE, MACHINERY AND EMPLOYEES WASH ROOM WERE ALL PAINTED.

REFUSE COLLECTION AND DISPOSAL

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

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

AT THE PRESENT TIME THIS SECTION HAS EIGHT TRUCKS, EACH EQUIPPED WITH A THIRTEEN CUBIC YARD ENCLOSED BODY, WHICH ARE USED FOR THE COLLECTIONS. THESE TRUCKS ARE RENTED FROM THE SANITATION SHOP AND STORES ON KINSLEY AVENUE.

A NEW DUMPING SITE OFF GANO STREET AT THE FOOT OF POWER STREET WAS PURCHASED AND PUT IN OPERATION ON NOVEMBER 17, 1953. THE AREA WAS FENCED OFF AND ONE GATE INSTALLED. THE DUMPING AREA IS OPEN ONLY WHILE AN ATTENDANT IS ON DUTY.

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

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

	AREA <u>I</u>	AREA <u>II</u>	AREA <u>III</u>	AREA <u>IV</u>	TOTAL
<u>1953</u>					
OCTOBER	1326	819	1482	1170	4797
NOVEMBER	1625	1456	1807	1105	5993
DECEMBER	1079	1144	1404	1339	4966
<u>1954</u>					
JANUARY	1170	819	1456	1367	4812
FEBRUARY	1287	1313	1573	1469	5642
MARCH	1222	884	1547	1482	5135
APRIL	1391	1079	1586	1365	5421
MAY	1326	1312	1105	1430	5174
JUNE	1404	1118	1352	1248	5122
JULY	1248	975	1378	1222	4823
AUGUST	1183	1144	1287	1105	4719
SEPTEMBER	<u>1274</u>	<u>1144</u>	<u>1339</u>	<u>1079</u>	<u>4836</u>
	15535	13208	17316	15381	61440

THE TOTAL AMOUNT COLLECTED THIS YEAR SHOWS AN INCREASE OF APPROXIMATELY TWO PER CENT OVER LAST YEAR.

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

ITEM 0	PERSONAL SERVICES	\$82,644.96
ITEM 1	SERVICES OTHER THAN PERSONAL	29,488.52
ITEM 2	MATERIALS AND SUPPLIES	29.76

SANITATION SHOPS AND STORES

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

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

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

- 23 GARBAGE COLLECTION TRUCKS WITH GAR-WOOD LOADPACKER TYPE BODIES.
- 8 REFUSE COLLECTION TRUCKS WITH LEACH REFUSE GETTER TYPE BODIES.
- 1 DUMP BODY TRUCK FOR GARBAGE COLLECTION.
- 1 HEAVY DUMP BODY TRUCK FOR ASH DISPOSAL.
- 2 PICKUP TRUCKS $\frac{1}{2}$ TON CAPACITY.
- 1 PICKUP TRUCK $\frac{3}{4}$ TON CAPACITY.
- 5 PASSENGER CARS
- 1 BULLDOZER
- 1 GORDON SMITH SMALL AIR COMPRESSOR

THIS EQUIPMENT IS SERVICED AND REPAIRED AT THE OLD INCINERATOR GARAGE ON KINSLEY AVENUE. AS THE AVAILABLE SPACE FOR THIS WORK IS LIMITED, ONLY A SMALL STOCK SUPPLY IS CARRIED. DURING THE NEXT FISCAL YEAR A NEW GARAGE SITUATED NEAR THE INCINERATOR AT FIELDS POINT WILL BE COMPLETED AND THIS SECTION WILL BE ABLE TO CARRY ON THE WORK UNDER MORE FAVORABLE CONDITIONS.

DURING THE YEAR ONE NEW TRUCK CHASSIS WAS PURCHASED AND THE SPECIAL GAR-WOOD BODY WAS REMOVED FROM THE OLD CHASSIS AND COMPLETELY OVERHAULED BY THE GAR-WOOD COMPANY BEFORE INSTALLING IT ON THE NEW CHASSIS. A COMPLETE NEW UNIT WAS PURCHASED MAKING A SPARE TRUCK AVAILABLE FOR USE IN THE COLLECTION.

RECOMMENDATIONS

AT THE PRESENT TIME THERE IS ONLY ONE PUMP ON THE COOLING WATER CIRCUIT AT THE INCINERATOR AND IF THIS FAILS AN EMERGENCY HOOKUP HAS TO BE MADE TO THE CITY WATER SUPPLY. ANOTHER PUMP OF THE SAME CAPACITY SHOULD BE INSTALLED IN THE COOLING WATER CIRCUIT AND THIS CONDITION WOULD BE CORRECTED.

A SPARE 3 H.P. EXPLOSION PROOF MOTOR SHOULD BE PURCHASED AS A REPLACEMENT IN CASE OF A BREAK-DOWN OF ONE (1) OF THE PRESENT MOTORS CONNECTED FOR THE RUNNING OF THE NEW GRATES.

A WATER MAIN HAS BEEN INSTALLED IN THE NEW UNIT OF THE FIELDS POINT INCINERATOR AND BLOCKED OFF. THIS LINE SHOULD BE CROSS CONNECTED AND A VALVE INSTALLED.

BOTH METAL SMOKE STACKS ARE IN VERY POOR CONDITION. THEY SHOULD BE REPLACED OR A MAJOR REPAIR JOB DONE ON THEM.

FOUR NEW DOORS SHOULD BE INSTALLED IN FRONT OF GARBAGE PITS IN OLD UNIT AND OAK BUMPERS AND PROTECTIVE METAL BUMPERS SHOULD BE REPLACED.

THE HEATING SYSTEM IN THE OLD UNIT SHOULD BE COMPLETELY OVERHAULED. A NEW HIGH PRESSURE SYSTEM SHOULD BE INSTALLED SO AS TO KEEP THE TEMPERATURE AT 65° F. IN THE COLD WEATHER.

THE EIGHT (8) REFUSE COLLECTION TRUCKS SHOULD BE REPLACED WITH NEW UNITS. THESE TRUCKS WERE ALL PURCHASED THE SAME YEAR (1950) AND ALL OF THEM ARE VERY COSTLY TO MAINTAIN. A DIFFERENT TYPE OF BODY SHOULD BE CONSIDERED FOR ANY NEW REFUSE TRUCKS PURCHASED IN THE FUTURE.

DURING THE NEXT FISCAL YEAR, THE NEW GARAGE FOR THIS DIVISION WILL BE IN USE. A MAINTENANCE CREW OF FOUR (4) MEN, ONE (1) FOREMAN, AND THREE (3) LABORERS SHOULD BE ADDED TO THE SHOPS AND STORES PAYROLL. THE CREW COULD PERFORM MAINTENANCE WORK ON BUILDINGS AND EQUIPMENT FOR ALL SECTIONS OF THE DIVISION. THE TIME WOULD BE CHARGED BY THE SHOPS AND STORES TO VARIOUS SECTIONS WHERE THE WORK WAS PERFORMED.

A NEW OIL BURNER SHOULD BE INSTALLED AT THE SEWAGE PUMPING STATION. THE PRESENT ONE IS IN VERY BAD CONDITION AND DOES NOT HAVE ALL THE SAFETY FEATURES THAT SHOULD BE IN A BURNER OF THAT SIZE. OIL HEATERS SHOULD BE INSTALLED IN THE STORAGE TANK.

THE LARGE SEWAGE PUMPS AT THE SEWAGE PUMPING STATION HAVE BEEN IN SERVICE FOR EIGHTEEN (18) YEARS AND EACH PUMP SHOULD BE COMPLETELY OVERHAULED, MOTORS CLEANED AND INSPECTED AND NEW IMPELLORS PURCHASED AND INSTALLED.

A NEW DUMPING SITE FOR THE REFUSE COLLECTION SECTION WILL BE NEEDED WITHIN A YEAR AND A HALF. THE NEW LOCATION WILL HAVE TO BE PURCHASED OR LEASED AND ENCLOSED WITH A WIRE FENCE.

THE SLUDGE INCINERATOR STACK, ASH HOPPER AND HOUSING, AND THE BELT CONVEYOR HOUSING SHOULD BE PAINTED.

SANITATION DIVISION REVENUE

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

SEWAGE PUMPING SECTION	\$138.72
SEWAGE DISPOSAL SECTION	804.53
GARBAGE COLLECTION AND DISPOSAL SECTION	9023.73
REFUSE COLLECTION AND DISPOSAL SECTION	592.50
TOTAL.....	\$10559.48

RESPECTFULLY SUBMITTED,

HOWARD F. CARPENTER
CHIEF OF THE 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 OF THE REVENUE, EXPENDITURES AND
OPERATION OF THE PUBLIC SERVICE DIVISION FOR THE FISCAL YEAR 1953-1954.

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	43	140	1,393
STATIONARY OPERATING ENGINEERS	5	58	721
REFRIGERATING MACHINE OPERATORS	-	1	5

REVENUE RECEIVED FROM ISSUANCE OF LICENSES:

BOILER OPERATORS	\$3486.00
STATIONARY OPERATING ENGINEERS	1732.00
REFRIGERATING MACHINE OPERATORS	15.00
TOTAL.....	\$5218.00

THE REVENUE OBTAINED FROM THE ABOVE LICENSES SHOWS AN INCREASE OVER THE
PREVIOUS FISCAL YEAR OF \$158.00.

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

BOILER OPERATORS	INCREASE	468
STATIONARY OPERATING ENGINEERS	DECREASE	321
REFRIGERATING MACHINE OPERATORS	DECREASE	9

THE DECREASE IN LICENSES ISSUED TO REFRIGERATING MACHINE OPERATORS IS DUE TO
THE FACT THAT THOSE MEN HAVE QUALIFIED AS STATIONARY OPERATING ENGINEERS.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$13,435.20
ITEM 1 SERVICES OTHER THAN PERSONAL	1,084.75
ITEM 2 MATERIALS AND SUPPLIES	44.37
ITEM 5 CAPITAL OUTLAY	122.99
	<u>\$14,687.31</u>

ELECTRIC AND GAS STRUCTURES IN THE STREETS OF THE CITY OF PROVIDENCE AS OF
SEPTEMBER 30, 1954.

FOLLOWING IS AN INVENTORY OF THE GAS AND ELECTRIC 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	39,293
MILES OF MAIN	398.6
GAS HOLDERS	4
NUMBER OF METERS (ACTIVE)	64,509
INCREASE IN GAS SERVICES	37
INCREASE IN MILES OF MAIN	.6
DECREASE IN NUMBER OF METERS (ACTIVE)	1,910

WESTERN UNION TELEGRAPH COMPANY

CITY PLANT, PROVIDENCE, R.I.

NUMBER OF POLES OWNED	NONE
NUMBER OF POLES JOINTLY OWNED	NONE
NUMBER OF FEET OF U.G. CONDUIT (TRENCH FEET)	1109
NUMBER OF FEET OF U.G. CONDUIT	1954
NUMBER OF MILES OF U.G. CABLE	.803
NUMBER OF MILES OF WIRE IN U.G. CABLE	73.06
NUMBER OF FEET OF SINGLE COPPER WIRE - LINE	
(A) ON LICENSED ATTACHMENTS PRIVILEGED TO PURCHASE THE POLES OF OTHER COMPANIES	
(B) OVER PRIVATE ALLEYS	
NUMBER OF FEET OF TWISTED PAIR:	
(A) ON LICENSED ATTACHMENTS PRIVILEGED TO PURCHASE THE POLES OF OTHER COMPANIES	6878
(B) ACROSS STREETS	1625
(C) OVER PRIVATE ALLEYS	500
MANHOLES OWNED	2

DEPARTMENT OF PUBLIC SAFETY

	TOTAL	AERIAL	U.G.	QUICK ACTION	DOORS KEY	KEYLESS
FIRE ALARM BOXES	907	544	363	882	12	13
OWNED BY CITY	652	390	262	652	00	00
PRIVATELY OWNED	255	154	101	230	12	13
POLICE BOXES	168	103	65			
TOTAL NUMBER OF ALL BOX AND CABLE PEDESTALS						334
TOTAL NUMBER OF ALL FIRE ALARM BOX PEDESTALS						231
TOTAL NUMBER OF ALL POLICE BOX PEDESTALS						68
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 EQUIVALENT SINGLE CONDUCTOR - AERIAL						46.27
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 FIRE ALARM DIV.						3545.6
TOTAL NUMBER OF POLES OWNED BY THE FIRE ALARM DIVISION						37
INCREASE IN THE NUMBER OF FIRE ALARM BOXES OWNED BY THE CITY					15	
DECREASE IN THE NUMBER OF FIRE ALARM BOXES PRIVATELY OWNED					2	

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

TOTAL NUMBER WOOD POLES (INCLUDING JOINTLY USED BUT NOT INCLUDING THOSE JOINTLY USED WITH NO OWNERSHIP)	16,484
TOTAL NUMBER OF JOINTLY OWNED POLES WITH N.E.CO.	13,073
TOTAL NUMBER OF JOINTLY OWNED POLES WITH U.T.CO.	40
TOTAL NUMBER OF JOINTLY OWNED POLES WITH ANY OTHER	182
TOTAL NUMBER OF JOINTLY OWNED POLES WITH W.U.T.CO.	0
TOTAL NUMBER OF MILES MAIN CONDUIT (TRENCH FEET)	55.08
TOTAL NUMBER MILES U.G. CABLE	225.67
TOTAL NUMBER MILES AERIAL CABLE	206.62
TOTAL WOOD TERMINAL BOXES ON POLES	221

APPROXIMATE NUMBER OF TELEPHONES SUPPLIED DIRECTLY BY UNDERGROUND OR BLOCK DISTRIBUTION	47,826
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APPROXIMATE NUMBER TELEPHONES SUPPLIED DIRECTLY BY OVERHEAD LINES ON HIGHWAYS	39,893
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NARRAGANSETT ELECTRIC COMPANY

TOTAL NUMBER OF WOOD POLES (INCLUDING JOINTLY OWNED BUT NOT INCLUDING JOINTLY USED, WITH NO OWNERSHIP)	18,507
TOTAL NUMBER JOINTLY OWNED POLES WITH N.E.T. & T CO.	13,073
TOTAL NUMBER JOINTLY OWNED POLES WITH U.T.CO.	307
TOTAL NUMBER JOINTLY OWNED POLES WITH WES.UN.TEL.CO.	0
TOTAL NUMBER JOINTLY OWNED POLES WITH NET. & UTC. (3 rd PARTY)	242
TOTAL NUMBER JOINTLY OWNED POLES WITH UTC. & WUT.	0
TOTAL NUMBER JOINTLY OWNED POLES WITH NET. & WUT.	0

TOTAL NUMBER IRON POLES IN CITY	4,485
UNDERGROUND STREET LIGHT STANDARDS	2,222
ORNAMENTAL ARCS	0
ORNAMENTAL INCANDESCENTS (MERCURY VAPOR)	2,216
GOOSE NECKS	6
ORNAMENTAL INC. WITH UTC.	111
IRON POLES WITH UTC & NET & T CO.	27
IRON POLES WITH NET & T CO.	3
IRON POLES WITH UTC.	0

TOTAL NUMBER MILES CONDUIT (TRENCH FEET) IN CITY	85.41
TOTAL NUMBER MILES CONDUIT (DUCT FEET) IN CITY	710.49
TOTAL NUMBER MILES UNDERGROUND CABLE IN CITY	683.02
TOTAL NUMBER MILES EQUIVALENT SINGLE UNDERGROUND CONDUCTOR	1,288.82
TOTAL NUMBER MILES AERIAL CABLE	212.53
TOTAL NUMBER MILES SERVICE PIPES OR LATERALS	609.23
TOTAL NUMBER MILES AERIAL OPEN WIRE	71.09
TOTAL NUMBER MILES EQUIVALENT SINGLE CONDUCTOR AERIAL CABLE	4,084.59
TOTAL NUMBER MILES COMMERCIAL TRANSFORMERS IN CITY	4,810
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY U.G. CONNECTION	27,675
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY O.H. CONNECTION	58,864
TOTAL NUMBER METERS INSTALLED IN CITY	86,539
APPROXIMATE TOTAL NUMBER OF 1 ϕ 2 WIRE 115 V. METERS IN CITY	63,711
APPROXIMATE TOTAL NUMBER OF 1 ϕ 3 WIRE 115/250 V. METERS IN CITY	16,645
APPROXIMATE TOTAL NUMBER OF 1 ϕ 2 WIRE 250/V. METERS IN CITY	0
APPROXIMATE TOTAL NUMBER OF 1 ϕ 5 WIRE 250/500 V. METERS IN CITY	0
APPROXIMATE TOTAL NUMBER OF 3 ϕ 3 WIRE 115 V. METERS IN CITY	25
APPROXIMATE TOTAL NUMBER OF 3 ϕ 3 WIRE 250 V. METERS IN CITY	285

TOTAL NUMBER OF 3Ø 4 WIRE 120/208 V. METERS IN CITY	1,645
TOTAL NUMBER OF 1Ø 3 WIRE 120/208 V. METERS IN CITY	2,428
TOTAL NUMBER OF D.C. 2 WIRE AND 3 WIRE 250 AND 250/500 V. METER IN CITY	145
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 575 V. METERS IN CITY	1,655

UNITED TRANSIT COMPANY

TOTAL NUMBER OF WOOD POLES (INCLUDING THOSE JOINTLY-OWNED BUT NOT INCLUDING THOSE JOINTLY-USED WITH NO OWNERSHIP)	470
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(N.E.CO.)	307
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(N.E.T. & CO	40
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TOTAL NUMBER OF JOINTLY OWNED POLES WITH (WUT, UTC, NEC	0
---	---

(NET & T CO., NECO.	182
---------------------	-----

(WUT	0
------	---

(AUTOMATIC) IN CITY 5 SETS OR 10 (½ BLOCKS)	0
---	---

(HAND THROWN) IN CITY	0
-----------------------	---

TOTAL NUMBER OF SIGNALS (TELLTALE) IN CITY	0
--	---

(TRAFFIC) IN CITY	0
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TOTAL MILES SINGLE SERIAL CONDUCTOR (EXCLUDING TROLLEY WIRE CONTRACT) IN CITY.

NUMBER 10 SIGNAL AND TELEPHONE WIRE (RECORDER WIRE)	3.85
---	------

NUMBER 14 TWISTED PAIR TELEPHONE WIRE	0
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NUMBER 1/0 FEEDER WIRE	0
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NUMBER 2/0 FEEDER WIRE	0
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NUMBER 4/0 FEEDER WIRE	1.30
------------------------	------

250,000 C.M. FEEDER WIRE	0
--------------------------	---

300,000 C.M. FEEDER WIRE	0
--------------------------	---

350,000 C.M. FEEDER WIRE	0
--------------------------	---

500,000 C.M. FEEDER WIRE	34.78
--------------------------	-------

1,000,000 C.M. FEEDER WIRE	0
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(STREET CAR TROLLEY WIRE (EXCLUDING TROLLEY BUS WIRE)	0
---	---

TOTAL MILES OF (TROLLEY-BUS POSITIVE WIRE	14.92 MI.
---	-----------

(TROLLEY-BUS NEGATIVE WIRE	14.92 MI.
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TOTAL MILES DOUBLE TRACK IN USE (SINGLE TRACK LENGTH)	0
---	---

TOTAL MILES SINGLE TRACK IN USE	0
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TOTAL NUMBER OF CROSS-OVERS IN CITY (NOT IN USE)	2
--	---

TOTAL NUMBER OF TURNOUTS IN CITY (300' OR LESS) (NOT IN USE)	1
--	---

TOTAL NUMBER OF IRON POLES IN CITY	854
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REDUCTION IN EQUIPMENT IN USE BY UNITED TRANSIT CO. AS COMPARED WITH THE PREVIOUS FISCAL YEAR:

WOOD POLES	4672
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NUMBER 10 SIGNAL AND TELEPHONE WIRE:	MILES
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250,000 C.M. FEEDER WIRE	3.42
--------------------------	------

300,000 C.M. FEEDER WIRE	3.61
--------------------------	------

350,000 C.M. FEEDER WIRE	1.02
--------------------------	------

500,000 C.M. FEEDER WIRE	28.46
--------------------------	-------

1,000,000 C.M. FEEDER WIRE	5.51
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TROLLEY-BUS WIRE, POSITIVE	67.34
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TROLLEY-BUS WIRE, NEGATIVE	67.34
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NUMBER OF CROSS-OVERS NOT IN USE	0
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NUMBER OF IRON POLES	1402
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ELECTRICAL INSPECTION

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

NUMBER OF ROUGH WIRING INSPECTIONS	913
NUMBER OF DEFECTIVE NOTICES	1519
NUMBER OF PERMITS ISSUED	6922
NUMBER OF INSPECTIONS AFTER FIRE	1006
NUMBER OF INVESTIGATIONS REQUESTED BY THE NARRAGANSETT ELECTRIC CO., AND THE FIRE DEPARTMENT	143
NUMBER OF SPECIAL INVESTIGATIONS	2982
NUMBER OF RE-INSPECTIONS	1590
TOTAL.....	15075
LETTERS TO OWNERS	1032
NUMBER OF DISCONNECTS	103

NOTE: ELEVEN (11) 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, 1954, IS AS FOLLOWS:

<u>ILLUMINATED SIGNS</u>	<u>NON-ILLUMINATED</u>	<u>TOTAL</u>
253	84	342

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$16,269.60
ITEM 1	SERVICES OTHER THAN PERSONAL	3,094.76
ITEM 2	MATERIALS AND SUPPLIES	103.72
		<u>\$19,468.08</u>

STREET LIGHTING SECTION

STREET LIGHTING COSTS

THE TOTAL EXPENDITURES FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1954, FOR STREET, BRIDGE, SUBWAY, AND PARK LIGHTING BILLS, CONTRACTED IN THE MONTH STATED, LESS ALL CREDITS FOR OUTAGE, HAVE BEEN AS FOLLOWS:

1953-1954 APPROPRIATION - \$462,548.73.

INCANDESCENTS

<u>1953</u>	<u>TOTAL BILL</u>	<u>LESS OUTAGE</u>	<u>NET COST</u>
OCTOBER	\$35,474.89	\$ 177.85	\$35,297.04
NOVEMBER	35,479.61	241.14	35,238.47
DECEMBER	35,685.95	226.97	35,458.98
<u>1954</u>			
JANUARY	35,972.80	192.23	35,780.57
FEBRUARY	36,033.53	139.79	35,893.74
MARCH	36,171.18	137.47	36,033.71
•APRIL	37,090.92	111.37	36,979.55

INCANDESCENTS AND MERCURYS

MAY	36,984.59	111.21	36,873.38
JUNE	37,472.67	95.93	37,376.74
JULY	38,019.51	101.10	37,918.41
••AUGUST	38,321.77	1274.53	37,047.19
••SEPTEMBER	38,415.61	13922.21	24,493.40
	<u>344,123.03</u>	<u>316731.85</u>	<u>3424,391.18</u>

•LAST MONTH FOR ARC LIGHTS.

••HURRICANE CAROL.

ARC LIGHTS

<u>1953</u>	<u>TOTAL BILL</u>	<u>LESS OUTAGE</u>	<u>NET COST</u>
OCTOBER	\$256.83	\$13.73	\$243.10
NOVEMBER	256.83	12.01	244.82
DECEMBER	256.83	7.32	249.51
<u>1954</u>			
JANUARY	256.83	6.51	250.32
FEBRUARY	256.83	8.16	248.67
MARCH	256.83	8.16	248.67
•APRIL	256.83	ARC REMOVAL CREDIT 318.49	61.66
			<u>8.98</u>
			70.64
	<u>\$1797.81</u>	<u>\$394.06</u>	<u>\$1403.75</u>

RECAPITULATION

TOTAL COSTS (NET) INCANDESCENTS \$424,391.18; ARCS \$1403.75; GRAND TOTAL \$425,794.93.

TOTAL MONTHLY AVERAGE COST 1952-1953 \$35,327.06

TOTAL MONTHLY AVERAGE COST 1953-1954 35,482.91

INCREASE FROM PREVIOUS YEAR OF THE TOTAL COSTS OF STREET LIGHTING \$1,870.13

••TOTAL SAVINGS IN OUTAGES \$17,125.91

ARC LIGHT ADJUSTMENT CREDIT 161.49

•LAST MONTH FOR ARC LIGHTS.

••HURRICANE CAROL

SCHEDULES OF STREET LIGHTING DATA

	<u>ARCS</u>			<u>O.H.A.N.</u>	<u>1000 CP.</u>					
	<u>U.G.</u>	<u>O.H.</u>	<u>750W</u>	<u>600 CP.</u>	<u>U.G.</u>	<u>A.N.</u>	<u>U.G.</u>	<u>H.N.</u>	<u>O.H.</u>	<u>A.N.</u>
OCT. 1, 1953	0	0	0	29	446		3			55
SEPT.30, 1954	0	0	0	29	452		3			51
CHANGES	0	0	0	0	6		0			4

	U.G. INCANDESCENT CLUSTERS					MER.	MERC.	MERC.	1000 CP. SODIUM LIGHTS				
	2 LT.CL.		3 LT.CL.		5 LT.CL.	2 LT. VAP.		A.N.					
	A.N.	H.N.	H.N.	A.N.	H.N.	AN	UG	O.H.	U.G.	U.G.	A.N.	O.H.	A.N.
OCT. 1, 1953	2A	2	4	1	1	8	1443	1299		22			3
SEPT.30, 1954	2A	2	4	1	1	8	1964	1321		22			3
CHANGES	0	0	0	0	0	0	521	22		0			0

	<u>100 CP.</u>		<u>U.G.</u>	<u>100 CP.</u>		<u>O.H.</u>	<u>MERC. VAP.</u>	<u>A.N. O.H.</u>	<u>A.N. U.G.</u>	
	<u>A.N.</u>	<u>U.G.</u>	<u>H.N.</u>	<u>A.N.</u>	<u>H.N.</u>	<u>24 HR. U.G.</u>	<u>250 CP.</u>	<u>250 CP.</u>	<u>400 CP.</u>	<u>400 CP.</u>
OCT. 1, 1953	178		232	8232-B	19	44	251		0	
SEPT.30, 1954	165		232	7882	19	44	305		0	
CHANGES	13		0	350	0	0	54		0	

	SEPT.30, 1953	SEPT.30, 1954	CHANGES
TOTAL NUMBER EQUIVALENT SINGLE INCANDESCENT LIGHTS	9501	9157	344
TOTAL NUMBER EQUIVALENT SINGLE ARC LIGHTS	36	0	36
TOTAL NUMBER MERCURY LIGHTS 16,000 LUMEN	2802	3293	491
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.

A - INCLUDES TWO 2-LIGHT CLUSTERS AT THE THAYER ST. ENTRANCE TO THE TUNNEL, ONE OF WHICH IS CHARGED TO THE UNITED TRANSIT COMPANY.

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

NUMBER AND KIND OF STREET LIGHTING UNITS IN SERVICE IN PROVIDENCE SINCE 1920.

YEAR	BRIDGE	ARCS	INCANDESCENTS					SODIUM	MERCURY			
	STRUCTURE	6.6cA										
	24 HRS. BURNING	LUM.	5.5cA	100 CP.	250 CP.	400 CP.	750W	300W	1000 CP	600 CP.	1000CP	400
1920		1582										
1921		1582										
1922		1582										
1923		1612										
1924		1630										
1925		1631										
1926		1635										
1927		1717										
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

STREET LIGHTING UNIT COSTS

UNDER THE PROVISIONS OF SECTION 17 OF THE EXISTING CONTRACT FOR STREET LIGHTS - THIS BEING THE SO-CALLED "FUEL CLAUSE", THE COST OF THE STREET LIGHTS FOR THE YEAR BEGINNING OCTOBER 1, 1954, DEPENDED UPON THE COST OF FUEL FOR THE YEAR ENDING JULY 31, 1954. THIS COST AVERAGED 11.21, AND RESULTED IN A DECREASE IN COST OVER THAT OF THE PREVIOUS YEAR. A TABULATION SHOWING THE UNIT PRICES FOR THE YEAR BEGINNING OCTOBER 1, 1954, IS AS FOLLOWS:

	ANNUAL INCREASE PER 10¢ INCREASE IN COST OF FUEL ABOVE \$8.00 BASE	NO. OF 10¢ ABOVE \$8.00 BASE FUEL PRICE	INCREASE OVER BASE PRICE	BASE PRICE	NEW PRICE
<u>INCANDESCENT 100 CP.</u>					
U.G. ALL NIGHT	.025	32	.80	\$28.03	\$28.83
U.G. 2 LT. CLUSTER, A.N.	.05	32	1.60	37.57	39.17
U.G. 5 LT. CLUSTER, A.N.	.125	32	4.00	66.02	70.02
U.G. SINGLE 1/2 NIGHT	.012	32	.38	24.61	24.99
U.G. 2 LT. 1/2 NIGHT	.024	32	.77	30.72	31.49
U.G. 3 LT. 1/2 NIGHT	.036	32	1.05	37.33	38.38
U.G. 5 LT. 1/2 NIGHT	.06	32	1.92	48.89	50.81
AERIAL SINGLE, A.N.	.025	32	.80	15.00	15.80
AERIAL SINGLE, 1/2 NIGHT	.012	32	.38	9.90	10.28
<u>MISCELLANEOUS</u>					
250 C.P. U.G. A.N.	.05	32	1.60	50.50	52.10
250 C.P. AERIAL, A.N.	.05	32	1.60	30.00	31.60
400 C.P. U.G. NOVALUX, A.N.	.075	32	2.40	72.50	74.90
1000 C.P. AERIAL, A.N.	.18	32	5.76	65.00	70.76
1000 C.P. U.G., A.N.	.18	32	5.76	85.00	90.76
1000 C.P. U.G. 1/2 NIGHT	.096	32	3.07	68.37	71.44
10,000 LUMEN SODIUM, U.G.	.048	32	1.54	85.00	86.54
10,000 LUMEN SODIUM, O.H.	.048	32	1.54	65.00	66.54
600 C.P. INCANDESCENT, O.H.	.072	32	2.30	50.00	52.30
600 C.P. INCANDESCENT, U.G.	.072	32	2.30	70.00	72.30
10,000 LUMEN MERCURY, O.H.	.18	32	5.76	65.00	70.76
16,000 LUMEN MERCURY, U.G.	.18	32	5.76	85.00	90.76
16,000 LUMEN MERCURY, U.G. 2 LT.	.36	32	11.52	152.00	163.52
400 C.P. AERIAL	.075	32	2.40	40.00	42.40
16,000 LUMEN MERCURY UNDERPASS 24 HRS.					

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 SERVICES 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:

1953		1954	
OCTOBER	11.13	MARCH	11.31
NOVEMBER	11.13	APRIL	11.31
DECEMBER	11.27	MAY	11.33
1954		JUNE	11.32
JANUARY	11.21	JULY	11.17
FEBRUARY	11.32	AUGUST	11.01
		SEPTEMBER	11.00

THE ABOVE FIGURES SHOW THAT THE AVERAGE PRICE PER TON FOR THE YEAR WAS 11.21 PER TON.

THE NUMBER OF LAMPS AND GLOBES REPORTED AS BROKEN ON STREET LIGHTS DURING THE YEARS 1952-1953-1954 WAS AS FOLLOWS:

	ARC GLOBES	INCANDESCENT GLOBES	LIGHTS BROKEN	MERCURY GLOBES	NOVALUX
52-53	37	418	5377	63	
53-54	21	452	5003	30	

NO REPORTS FOR SEPTEMBER, (HURRICANE OUTAGE)

<u>NEW STREET LIGHT PETITIONS RECEIVED:</u>	<u>GRANTED</u>	<u>REJECTED</u>
80	63	17

SUMMARY

THERE ARE AT PRESENT NO UNDERGROUND CONNECTED ARC LIGHTS LEFT IN THE CITY OF PROVIDENCE.

491, 16000 LUMEN MERCURY VAPOR LIGHTS HAVE BEEN PUT INTO SERVICE IN PUBLIC PLACES DURING THE FISCAL YEAR. THERE ARE NOW 3293 SUCH LIGHTS IN PUBLIC USE IN THE CITY.

THE NUMBER OF 2500 LUMEN INCANDESCENT STREETS LIGHTS HAVE BEEN INCREASED BY 54, BRINGING THE TOTAL NUMBER OF THIS TYPE OF LIGHT NOW IN USE TO 314.

THERE ARE 506, 10,000 LUMEN LIGHTS IN SERVICE IN THE CITY. 2 LIGHTS OF THIS TYPE HAVING BEEN REMOVED DURING THE PAST FISCAL YEAR AND REPLACED WITH 16,000 LUMEN MERCURY VAPOR LIGHTS.

THERE ARE 8308, 1000 LUMEN LIGHTS IN SERVICE (FAMILIAR NEIGHBORHOOD TYPE). THIS TYPE SHOWED A DECREASE OF 363 LIGHTS UNDER THE TOTAL FOR THE PREVIOUS YEAR. THERE HAVE BEEN NO LIGHTS OF THIS TYPE INSTALLED DURING THE PAST FISCAL YEAR, AND 363 HAVE BEEN REMOVED AND REPLACED WITH 16,000 LUMEN MERCURY VAPOR LIGHTS.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	53494.40
ITEM 1 SERVICES OTHER THAN PERSONAL	425794.93
	3429289.33

AIR POLLUTION SECTION

THIS YEAR, IN ADDITION TO ITS REGULAR DUTIES, THE AIR POLLUTION SECTION SPENT SEVERAL WEEKS IN REHABILITATION WORK FOLLOWING THE AFTERMATH OF HURRICANE CAROL OF AUGUST 31, 1954. AS A VITAL SAFETY MEASURE ALL FUEL BURNING EQUIPMENT, WHICH HAD BEEN INUNDATED BY THE FLOOD, REQUIRED CAREFUL INSPECTION. ALL MEMBERS OF THE DIVISION WERE BUSY ON THIS WORK, FOR SEVEN DAYS A WEEK, UNTIL THE EMERGENCY WAS OVERCOME.

THIS SECTION ALONG WITH OTHER CITY DEPARTMENTS, RECEIVED PRAISE FROM THE PRESS AND CIVIC LEADERS FOR ITS WORK DURING THESE TRYING WEEKS.

DURING THE YEAR THE DEPARTMENT CARRIED ON ITS REGULAR WORK OF CLEANING THE AIR THAT THE PEOPLE OF PROVIDENCE MUST BREATHE.

THIS YEAR A PROGRAM WAS STARTED TO STUDY THE PROBLEM OF SMOKE AND FUMES FROM DIESEL LOCOMOTIVES, BUSES AND TRUCKS. THIS IS A NEW AND DIFFICULT PROJECT AND THE DEPARTMENT IS STUDYING THE REPORTS OF NATIONWIDE RESEARCH ON THE PROBLEM. ENGINEERS FROM NATIONALLY KNOWN DIESEL MANUFACTURING CONCERNS HAVE COME TO PROVIDENCE FOR CONFERENCES ON THIS SUBJECT WITH THE DEPARTMENT STAFF. ALL CONCERNED ARE OPTIMISTIC THAT PROGRESS IS BEING MADE IN CLEANING DIESEL EXHAUST.

ON APRIL 15, 1954 THE AIR POLLUTION ENGINEER TESTIFIED BEFORE THE UNITED STATES SENATE COMMITTEE ON BANKING AND CURRENCY IN WASHINGTON ON BEHALF OF THE CAPEHART-KUCHEL AMENDMENT. THIS AMENDMENT WAS DRAWN UP TO ASSIST THE CITIES OF AMERICA IN THEIR BATTLE AGAINST CONTAMINATED AIR. IT WOULD APPROPRIATE MONEY FOR RESEARCH ON AIR POLLUTION AND LOANS FOR THE PURCHASE OF AIR POLLUTION EQUIPMENT, AS WELL AS GRANT RAPID TAX AMORTIZATION ON SAID EQUIPMENT.

THE PROVIDENCE AIR POLLUTION ENGINEER WAS ONE OF ONLY THREE ENFORCEMENT OFFICIALS FROM THE ENTIRE NATION INVITED TO TESTIFY BEFORE THE COMMITTEE.

BECAUSE OF THE INCREASE IN PUBLIC CONSTERNATION THROUGHOUT THE WORLD AT THE INCREASE OF AIR POLLUTION THE PROVIDENCE AIR POLLUTION DEPARTMENT CONTINUES TO ENJOY AN EVER INCREASING SUPPORT FROM MEDICAL AND CIVIC ORGANIZATIONS IN OUR COMMUNITY.

IT IS THE DEPARTMENTS AMBITION TO CONTINUE TO MERIT THIS SUPPORT.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$25119.90
ITEM 1 SERVICES OTHER THAN PERSONAL	2523.22
ITEM 2 MATERIAL AND SUPPLIES	144.98
	<u>\$27788.10</u>

REVENUE

HEATING EQUIPMENT	475.00
OIL BURNERS	2012.00
GAS BURNERS	275.00
OIL STORAGE TANKS	40.00
	<u>\$2802.00</u>

NUMBER OF PERMITS ISSUED

OIL BURNERS AND TANKS	1046
GAS BURNERS	<u>275</u>
	1321

ANNUAL INSPECTIONS	2800
INSPECTION OF NEW HEATING EQUIPMENT	89
RETURN CALLS AFTER CORRECTIONS	275
VIOLATIONS NOTED AND INVESTIGATED	605
COMPLAINTS RECEIVED	308
COMPLAINT INVESTIGATIONS	1747
OIL BURNER INSPECTIONS	1012
GAS BURNER INSPECTIONS	275
TANK INSPECTIONS	40
SPECIAL INVESTIGATIONS	104
INVESTIGATIONS AFTER FIRES	110
REINSPECTIONS OF CORRECTIONS	173
	<hr/> 7538

MUNICIPAL DOCK SECTION

IN JANUARY OF 1954, THE LUCKENBACH STEAMSHIP COMPANY RESUMED ON AN EXPERIMENTAL BASIS THE COASTAL SERVICE THAT THE PORT ENJOYED BEFORE WORLD WAR II.

THE RESPONSE FROM THE SHIPPERS TO USE THIS SERVICE INDICATED THAT THERE IS A DEMAND FOR IT AND SHOULD PROVE PROFITABLE TO THE LUCKENBACH STEAMSHIP COMPANY AS WELL AS THE CONSUMERS OF CANNED GOODS IN THE RHODE ISLAND AREA.

A STRIKE AT THE LUMBER MILLS ON THE WEST COAST REDUCED, SOMEWHAT, OUR LUMBER MOVEMENT, BUT WE LOOK FORWARD TO A BETTER YEAR IN THE 1954-1955 PERIOD IF THE HOUSING AND ECONOMIC CONDITIONS AGAIN ASSUME A FAVORABLE TREND.

THE HURRICANE CAROL CAUSED CONSIDERABLE DAMAGE TO OUR NEW TRANSIT SHED AS WELL AS OTHER BUILDINGS IN THE DOCK SIDE AREA. AT THE PRESENT TIME WE ARE NOT IN A POSITION TO SHOW THE ACTUAL DOLLAR COST AS RESTORATION WORK IS STILL IN PROGRESS.

IT WAS NECESSARY TO INSTITUTE SOME EMERGENCY RESTORATION TO OUR NEW TRANSIT SHED SO THAT WE COULD HANDLE A LUCKENBACH SHIP ARRIVING IN THE MIDDLE OF SEPTEMBER. WHEREAS, UNFORTUNATELY, THIS MAY INCREASE THE COST OF RESTORATION IT SHOULD PROVE WORTH-WHILE INVESTMENT AS THE STEAMSHIP COMPANIES ARE VERY MUCH PLEASED WITH WHAT WE DID TO MAKE IT POSSIBLE TO DISCHARGE VESSELS WITHOUT DELAY.

DURING THE MONTH OF MARCH THE MCLEAN TRUCKING COMPANY OF WINSTON-SALEM, N.C. FILED APPLICATION WITH THE INTER-STATE COMMERCE COMMISSION FOR PERMISSION TO PURCHASE THE RIGHTS OF THE LOVELAND STEAMSHIP COMPANY, FOR THE PURPOSE OF ESTABLISHING A TRAILER SHIP OPERATION BETWEEN WILMINGTON, N.C., NEW YORK AND PROVIDENCE.

A LENGTHY HEARING WAS HELD DURING MAY IN WHICH CONSIDERABLE OPPOSITION WAS PRESENTED BY VARIOUS RAILROADS AND TRUCKING COMPANIES OPPOSING THE MERGER. PROVIDENCE TO BE IN A POSITION TO HANDLE THE PROPOSED MCLEAN SERVICE, SUBMITTED TO THE VOTERS THE QUESTION OF THE RIGHT TO FLOAT A BOND ISSUE FOR TWO MILLION DOLLARS TO BUILD THE FACILITIES NECESSARY. IF MCLEAN IS SUCCESSFUL IN OBTAINING THESE RIGHTS, THERE IS A GOOD POSSIBILITY OF THIS SERVICE BEING IN EFFECT BY THE MIDDLE OF 1957. IT SHOULD PROVE A VALUABLE ASSET IN THE FURTHERANCE OF THE PORT DEVELOPMENT AND PUT THE MANUFACTURERS AND VENDORS IN THE RHODE ISLAND AREA IN A MORE FAVORABLE COMPETITIVE POSITION WITH SIMILAR INDUSTRIES IN OTHER SECTIONS OF THE COUNTRY.

THE FOLLOWING IS A REPORT OF OUR TONNAGE HANDLED, REVENUE AND COST OF OPERATION. IT WILL BE NOTED, THAT THIS PAST FISCAL YEAR OUR LUMBER AREA WAS FLOOD LIGHTED AT A COST OF \$5000.00. THIS SHOULD PROVE VERY VALUABLE TO OUR OPERATIONS, AS IT WILL PERMIT A TWENTY-FOUR HOUR OPERATION AND CORRECT A CONDITION THAT HAS BEEN DETRIMENTAL TO THE PORT. IN ADDITION, APPROXIMATELY \$75,000.00 IS BEING SPENT TO RENEW THE RAILROAD BED, TIES, AND RAILS ALONG THE TERMINAL ROAD AND THE AREA SURROUNDING THE TRANSIT SHED NO.1. THIS IS CORRECTING A CONDITION THAT HAS BEEN BAD FOR A CONSIDERABLE TIME AND WILL ELIMINATE A

COSTLY MAINTENANCE PROBLEM AND OPERATIONS HAZARD. OUR TOTAL REVENUE HAS DROPPED FROM OUR LAST FISCAL YEAR. THIS WE ATTRIBUTE TO THE ECONOMIC CONDITIONS, AS WELL AS A LENGTHY LUMBER STRIKE OUT ON THE WEST COAST.

<u>SHIPPED</u>		<u>CARGO</u>	<u>RECEIVED</u>
GENERAL CARGO	4281.9 TONS	LUMBER	52344214 BMF
KEROSENE	13857.1 TONS	PIG IRON	23483.6 TONS
FUEL OIL	43657.6 TONS	CD GOODS	6958 TONS
		CEMENT	3485 TONS
		PLATE GLASS	15 TONS
		ALUMINUM	2.6 TONS
		FROZEN FISH	7658.9 TONS
		FISH MEAL	1081.3 TONS
		FISH SKINS	80.5 TONS
		BLUEBERRIES	215.8 TONS
		COD FISH	60.9 TONS
		COD LIVERS	19.4 TONS
		MT DRUMS	98.4 TONS
		CONTRACTORS EQUIPMENT	127.8 TONS
		KEROSENE	37547 TONS
		GASOLINE	184347.4 TONS
		FUEL OIL	185013.3 TONS

<u>REVENUE</u>	
LEASE OF WAREHOUSE	\$42000.00
LEASE OF LAND	50128.49
WHARFAGE	70752.57
TRACKAGE	8544.00
WATER	2556.61
DOCKAGE	13706.42
STORAGE	12029.66
MISCELLANEOUS	2946.31
	<u>\$202664.06</u>

<u>EXPENDITURES</u>	
ITEM 0 PERSONAL SERVICES	\$33,301.33
ITEM 1 SERVICES OTHER THAN PERSONAL	8,026.02
ITEM 2 MATERIALS AND SUPPLIES	1,361.05
ITEM 7 OTHER STRUCTURES & IMPROVEMENTS	80,927.56
	<u>\$123,615.96</u>

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, 1954.

	STEAMERS	TUGS	SAILING VESSELS	BARGES	MISCELLANEOUS	TOTALS FOR THE YEARS 1952-53.	TOTALS FOR THE YEARS 1953-54.	TIMES DRAW WAS OPENED.	AVERAGE TIME FROM CLOSING TO OPENING GATES (MIN.)
<u>POINT STREET BRIDGE</u>									
OCTOBER		4				19	4	4	4.1
NOVEMBER						11			
DECEMBER						7			
JANUARY		6				62	6	6	4.2
FEBRUARY		2				22	2	2	4.1
MARCH						30			
APRIL		6				7	6	6	3.
MAY		4				8	4	4	3.
JUNE	1	8			2	9	11	9	2.4
JULY						10			
AUGUST		14		6		17	20	14	3.3
SEPTEMBER						5			
	1	44		6	2	207	53	45	

<u>RED BRIDGE</u>									
OCTOBER	48	46		22		120	116	84	4.1
NOVEMBER	33	73		42		165	148	98	5.
DECEMBER	19	185		62	70	180	336	185	4.4
JANUARY	43	426		39	304	243	812	430	5.
FEBRUARY	20	397		32	274	176	723	394	5.
MARCH	50	100		30		158	180	131	4.
APRIL	33	30		6		141	69	51	3.3
MAY	46	42		9		140	97	70	4.1
JUNE	28	33		4	2	107	67	49	4.
JULY	43	31		8		103	82	65	3.4
AUGUST	36	40		14		92	90	64	3.1
SEPTEMBER	24	30		11	2	127	67	46	5.
	423	143		279	652	1752	2787	1167	

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$51,509.31
ITEM 1	SERVICES OTHER THAN PERSONAL	1,035.00
ITEM 2	MATERIALS AND SUPPLIES	1,019.57
		<u>\$53,563.88</u>

THE FOLLOWING TABLE SHOWS THE TOTAL NUMBER OF CRAFT PASSING THROUGH THE
DRAWBRIDGES BEGINNING THE YEAR 1880. FROM 1880 TO 1928 INCLUSIVE, YEARS ENDING
DECEMBER 31. YEAR 1929 INCLUDES 9 MONTHS ONLY, AND ENDS SEPTEMBER 30. 1930 TO DATE,
YEARS END SEPTEMBER 30.

YEAR	POINT STREET BRIDGE	RED BRIDGE	YEAR	POINT STREET BRIDGE	RED BRIDGE	YEAR	POINT STREET BRIDGE	RED BRIDGE
1880	33,984	2,283	1905	24,687	2,671	1929-30	3,210	2,738
1881	31,323	2,283	1906	23,092	2,553	1930-31	3,243	2,742
1882	33,878	2,281	1907	25,949	2,632	1931-32	1,197	1,900
1883	29,645	2,848	1908	21,767	4,852	1932-33	1,327	2,787
1884	22,050	2,461	1909	17,128	6,914	1933-34	1,990	3,758
1885	22,525	5,914	1910	17,125	2,927	1934-35	1,387	2,454
1886	23,506	3,736	1911	20,078	3,293	1935-36	1,468	2,150
1887	24,301	5,521	1912	21,519	3,021	1936-37	1,368	2,138
1888	27,789	3,119	1913	15,113	2,734	1937-38	1,136	1,913
1889	26,090	3,600	1914	13,364	2,491	1938-39	1,676	2,187
1890	30,255	3,070	1915	14,409	2,755	1939-40	1,299	3,431
1891	26,387	3,857	1916	11,638	3,368	1940-41	1,066	2,420
1892	25,530	3,061	1917	9,704	3,273	1941-42	1,205	1,722
1893	23,528	3,446	1918	6,894	2,680	1942-43	1,263	1,087
1894	20,801	2,445	1919	7,123	3,476	1943-44	1,487	2,262
1895	21,884	2,553	1920	6,950	4,451	1944-45	1,233	1,319
1896	22,307	2,283	1921	6,067	2,001	1945-46	1,078	1,828
1897	20,790	2,204	1922	5,307	2,958	1946-47	936	1,640
1898	22,004	2,159	1923	5,476	5,134	1947-48	1,010	1,541
1899	22,820	3,250	1924	4,858	2,035	1948-49	666	2,130
1900	23,248	4,392	1925	4,939	1,942	1949-50	638	1,609
1901	22,713	2,525	1926	5,198	2,415	1950-51	371	1,973
1902	22,701	2,040	1927	4,700	2,934	1951-52	125	1,628
1903	24,687	4,166	1928	4,679	3,912	1952-53	202	1,752
1904	19,003	2,411	1929	4,068	3,623	1953-54	51	2,787

NAMES OF BRIDGES	GREATEST NUMBER OF OPENINGS IN ANY ONE DAY		DAILY AVERAGE NUMBER OF OPENINGS FOR THE YEARS	
	1952-53	1953-54	1952-53	1953-54
POINT STREET BRIDGE	6	6	.5	.14
RED BRIDGE	13	21	4.1	7.3

HARBOR MASTER SECTION

VESSELS

	QUARTER ENDING DEC. 31, 53	QUARTER ENDING MAR. 31, 54	QUARTER ENDING JUNE 30, 54	QUARTER ENDING SEPT. 30, 54	TOTAL FOR YEAR
STEAMERS	117	121	127	179	544
MOTOR VESSELS	89	113	116	150	468
TUG BOATS	119	122	118	104	463
BARGES	65	69	57	71	262
DREDGES	2				2
SCOWS	10	3			13
DESTROYER				1	1
SCHOONER				1	1
SUBMARINE				1	1
MINE SWEEPER				1	1
	<u>425</u>	<u>402</u>	<u>421</u>	<u>508</u>	<u>1756</u>

TONNAGE

BITUMINOUS	100181	141939	140161	78852	461133
GASOLINE	415355	338557	466231	419192	1639335
OIL	958930	1215792	914924	757410	3847056
CHEMICALS	7750	4650	4650	4650	27700
LUMBER	29906	19523	20611	16884	86924
FROZEN FISHES	1663	14082	2082	1150	18977
FISH MEAL	462	238½	474	50½	1225
ASPHALT	67890	3134	9640	55800	135464
TAR	6990	4652	28386	8270	48298
BLUEBERRIES	117				117
CRANE AND PARTS	64				64
SOLUBLE	26				26
Pig IRON	31329				31329
FISH SKINS		35	44		79
GENERAL FREIGHT		4652		2101	6753
GENERAL CARGO		10			10
CANNED GOODS		1026		1406	2432
CONSTRUCTION CARGO		20			20
PHOSPHATE				1700	1700
COD LIVERS				19	19
ALUMINUM				3	3
CEMENT				3485	3485
GLASS				157	157
MISCELLANEOUS MIXED STOCK			1462		1462
TOTALS	1620663	1748310½	1588665	1351129½	6300768

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$3,940.50
ITEM 1	SERVICES OTHER THAN PERSONAL	1,327.27
ITEM 2	MATERIALS AND SUPPLIES	<u>380.73</u>
		\$5,648.50

RESPECTFULLY SUBMITTED

PETER J. HICKS, JR.
PUBLIC SERVICE ENGINEER.