

THE CITY OF
PROVIDENCE, RHODE ISLAND

Annual Report
of the
Department of Public Works

FOR THE FISCAL YEAR

1954 -- 1955

DEPARTMENT OF PUBLIC WORKS

DECEMBER 31, 1955.

OFFICE OF THE DIRECTOR

THE HONORABLE WALTER H. REYNOLDS
MAYOR OF THE CITY OF PROVIDENCE
CITY HALL, PROVIDENCE, R. I.

DEAR SIR:

THE ANNUAL REPORT COVERING THE WORK DONE BY THE DEPARTMENT OF PUBLIC WORKS FOR THE YEAR ENDING SEPTEMBER 30, 1955 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:

1. "ALTERATIONS TO AND RENEWALS OF CITY OF PROVIDENCE RAILROAD TRACK AT FIELDS POINT" BY THE PEARSON COMPANY, INC.
2. "PUBLIC WORKS GARAGE AND REPAIR SHOP" FOR THE SANITATION DIVISION, BY JOSEPH P. FLYNN.
3. "REPLACING BOILER AND AIR-HEATER TUBES IN BOILERS OF GARBAGE INCINERATOR UNIT #1" BY JOHN W. GRUNDY COMPANY.
4. "CONSTRUCTION OF HIGHWAYS IN SUNDRY STREETS" BY THE FANNING AND DOORLEY CONSTRUCTION COMPANY.
5. "SURFACING OR RESURFACING OF HIGHWAYS" BY THE M.A. GAMMINO CONSTRUCTION COMPANY.
6. "BUILDING OF SEWERS IN SUNDRY STREETS" BY THE CAPALDI BROS. CONSTRUCTION COMPANY.
7. "REPAIRS TO NEW TRANSIT SHED AT THE MUNICIPAL DOCK" BY GILBANE BUILDING COMPANY. DAMAGE TO THE TRANSIT SHED WAS CAUSED BY HURRICANE "CAROL".

CONTRACT WORK WAS IN PROGRESS ON THE FOLLOWING PROJECTS:

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

"ALTERATIONS, RENEWALS AND IMPROVEMENTS TO THE GARBAGE INCINERATOR UNIT #1" BY GEORGE ALLEN & SON, INC.

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

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

"CONSTRUCTION OF A GARAGE, OFFICE AND REPAIR SHOP AT ROGER WILLIAMS PARK" FOR THE FORESTRY SECTION BY THE PETERSON CONSTRUCTION COMPANY, INC.

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

PREPARATION OF PLANS AND SPECIFICATIONS FOR "ALTERATIONS AND ADDITIONS TO THE FIELDS POINT SEWAGE TREATMENT PLANT" BY METCALF AND EDDY, ENGINEERS. IT IS EXPECTED THAT PLANS AND SPECIFICATIONS WILL BE COMPLETED BY FEBRUARY 1, 1956 AND READY FOR BIDS TO BE RECEIVED ON THE CONSTRUCTION OF THE PROJECT IN APRIL 1956.

OUR HIGHWAY CONSTRUCTION PROGRAM CONSISTED OF THE SURFACING OR RESURFACING, WITH BITUMINOUS CONCRETE, OF 154,259 SQUARE YARDS (9.7 MILES) OF PAVEMENT BY CITY FORCES AND THE CONSTRUCTION OF 35,182 SQUARE YARDS (2.4 MILES) OF NEW BITUMINOUS MACADAM PAVEMENT BY CONTRACT.

OUR SEWER CONSTRUCTION PROGRAM CONSISTED OF THE BUILDING OF 1.63 MILES OF MAIN DRAINS, TOGETHER WITH LATERALS AND DRAINAGE STRUCTURES, BY CONTRACT.

A CONTRACT FOR THE RECONSTRUCTION OF HOPE STREET, FROM LLOYD AVENUE TO BLACKSTONE BOULEVARD, AS A FEDERAL-AID PROJECT, WAS AWARDED TO CAMPANELLA AND CARDI CONSTRUCTION COMPANY ON SEPTEMBER 14, 1955. THIS WORK WILL START IN THE SPRING AND SHOULD BE COMPLETED BY MID-SUMMER.

OUR ENGINEERS MADE A STUDY OF AND REPORT ON MEANS OF PROTECTING THE CITY OF PROVIDENCE FROM FLOODING DURING A HURRICANE OR HIGH WATER CAUSED BY A TIDAL WAVE AND RECOMMENDED A BARRIER ACROSS THE PROVIDENCE RIVER FROM A POINT NEAR THE PROVIDENCE-GRANSTON CITY LINE ON THE WEST SIDE TO A POINT ON THE EAST SIDE OF THE RIVER NEAR SQUANTUM POINT. IT WAS ALSO RECOMMENDED THAT THE BARRIER BE DESIGNED TO SERVE AS THE SUB-STRUCTURE OF A HIGH LEVEL BRIDGE ACROSS THE RIVER.

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

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.

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

I WISH TO EXTEND MY THANKS TO ALL EMPLOYEES OF THE DEPARTMENT FOR THEIR LOYAL AND FAITHFUL SERVICE, AND TO EXPRESS MY APPRECIATION TO OTHER CITY DEPARTMENT OFFICERS AND EMPLOYEES FOR THE COOPERATION EXTENDED THIS DEPARTMENT.

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 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.

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

MAJOR REPAIRS SHOULD BE MADE TO THE PUMPS AT THE ERNEST STREET PUMPING STATION.

INSTALL A TWO-WAY RADIO SYSTEM TO INCREASE THE EFFICIENCY OF SNOW PLOWING, SALTING AND SANDING OF HIGHWAYS AND FOR EMERGENCY USE.

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. ALSO 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
FEB 2 - 1956

READ:

WHEREUPON IT IS ORDERED THAT
THE SAME BE RECEIVED.

B. 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, 1955.

STATEMENT OF REVENUE—ESTIMATED AND ACTUAL

	<u>BUDGET</u> <u>ESTIMATE</u>	<u>NET ACTUAL</u> <u>REVENUES</u>	<u>BUDGET</u> <u>EXCESS</u>	<u>COMPARISON</u> <u>DEFICIENCY</u>
BUSINESS AND NON-BUSINESS				
LICENSES:				
SIDEWALK CONTRACTORS AND SEWER CONNECTIONS	800.00	750.00	—	50.00
HIGHWAY PRIVILEGES	1400.00	1087.00	—	313.00
PUBLIC SERVICE ENGINEER	5000.00	4704.00	—	296.00
AIR POLLUTION AND SMOKE ABATEMENT	5000.00	2663.00	—	2337.00
TOTAL BUSINESS—NON—BUSINESS LICENSES	\$12200.00	\$9204.00		\$2996.00
SPECIAL ASSESSMENTS:				
SEWERS	54459.35	54451.08	—	8.27
SIDEWALKS AND CURBING	700.00	106.89	—	593.11
TOTAL SPECIAL ASSESSMENTS	\$55159.35	\$54557.97		\$601.38
DEPARTMENTAL REVENUE:				
SEWER PUMPING STATIONS	—	140.88	140.88	—
SEWAGE DISPOSAL	—	777.83	777.83	—
GARBAGE COLLECTION AND DISPOSAL	7500.00	7876.84	376.84	—
REFUSE COLLECTION AND DISPOSAL	—	577.92	577.92	—
HIGHWAYS	24000.00	29595.08	5595.08	—
BRIDGE MAINTENANCE	—	587.76	587.76	—
FORESTRY	—	7408.92	7408.92	—
SEWER CONSTRUCTION AND MAINTENANCE	36000.00	38712.91	2712.91	—
PUBLIC BUILDINGS	—	77.25	77.25	—
STREET LIGHTING	—	95.32	95.32	—
AIR POLLUTION AND SMOKE ABATEMENT	—	289.50	289.50	—
MUNICIPAL DOCK	210000.00	195609.47	—	14390.53
HARBORS	—	508.50	508.50	—
ADMINISTRATION	—	50.00	50.00	—
TOTAL DEPARTMENTAL REVENUE	\$277500.00	\$282308.18	\$19198.71	\$14393.53
TOTAL STATEMENT	\$344859.35	\$346070.15	\$19198.71	\$17987.91

STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1955

	PERSONAL SERVICES	SERVICES OTHER THAN PERSONAL	MATERIALS AND SUPPLIES	SPECIAL ITEMS	EQUIPMENT OUTLAY	STRUCTURES AND IMPROVEMENTS	TOTAL
GENERAL ADMINISTRATION	24497.46	1638.87	107.21	—	—	—	26243.54
BUSINESS MANAGEMENT	34099.15	480.49	316.99	—	542.50	—	35439.13
ENGINEERING OFFICE	124852.24	4265.03	915.64	—	473.41	—	130506.32
SANITATION DIVISION:							
SANITATION ADMINISTRATION	8586.90	803.75	35.43	—	—	—	9426.08
STREET CLEANING	298591.84	79831.52	2143.88	—	—	—	380567.24
SEWAGE PUMPING STATION	49840.95	1017.36	4017.30	—	—	—	54875.61
SEWAGE DISPOSAL	104955.08	20786.35	101191.02	—	619.66	—	227552.11
GARBAGE COLLECTION AND DISPOSAL	466956.73	122527.08	12466.53	80.55	—	—	602030.89
REFUSE COLLECTION AND DISPOSAL	83483.38	38792.62	—	—	—	—	122276.00
CONSTRUCTION AND MAINTENANCE DIVISION:							
CONSTRUCTION AND MAINTENANCE ADMINISTRATION	8586.90	740.80	2.80	—	7.91	—	9338.41
HIGHWAYS	639364.87	189274.97	95038.37	—	—	—	923678.21
BRIDGE MAINTENANCE	39429.46	4791.72	6701.11	—	—	—	50922.29
SIDEWALKS AND CURBING	14981.40	2080.44	605.73	—	125.00	—	17792.57
FORESTRY	54363.90	8773.51	3693.26	—	225.50	—	67056.17
SNOW REMOVAL	55574.97	31183.27	22937.99	—	—	—	109696.23
SEWER CONSTRUCTION AND MAINTENANCE	283070.06	67205.92	14872.48	—	—	—	365148.46
PUBLIC BUILDINGS	77171.90	7955.86	2277.41	—	57.50	6980.00	94442.67
PUBLIC SERVICE DIVISION:							
PUBLIC SERVICE ADMINISTRATION	13859.10	1388.47	47.81	—	360.00	—	15675.38
ELECTRICAL INSPECTOR	16834.50	3075.70	124.64	—	535.58	—	20570.42
STREET LIGHTING	3640.95	460179.89	—	—	—	—	463820.84
AIR POLLUTION AND SMOKE ABATEMENT	25839.00	2627.70	148.79	—	—	—	28615.49
MUNICIPAL DOCK	33373.65	7776.84	1553.19	—	—	1950.00	44653.68
ORAW BRIDGE OPERATION	50053.69	1246.28	824.48	—	—	—	52124.45
HARBOR MASTER	3953.25	208.44	182.60	—	—	—	4344.29
TOTAL - PUBLIC WORKS ACTIVITIES	\$2515961.33	\$1058652.68	\$270204.66	\$80.55	\$2967.06	\$8930.00	\$3856796.48

THE FOLLOWING SERVICES WERE ALSO RENDERED BY THIS DEPARTMENT

APPLICATIONS RECEIVED

FOR ALTERING DRIVEWAYS	125
CONSTRUCTION OF DRIVEWAYS	242
CURBING RESETS	<u>106</u>
TOTAL APPLICATIONS	473

LICENSES ISSUED

PUSH CARTS	28
SIDEWALK STANDS	21
DRAIN LAYERS LICENSES	7
DRAIN LAYERS LICENSES LIMITED TO SPRINKLER SYSTEMS	<u>4</u>
TOTAL LICENSES	60

PERMITS ISSUED

PUBLIC UTILITIES	350
BLASTING	9
FOR MOVING CUMBERSOME EQUIPMENT ETC.	24
STREET OPENINGS (WATER SUPPLY BOARD)	303
ORIGINAL PERMITS FOR SEWER CONNECTIONS	326
EXTENSION OF HOUSE DRAINS	213
SIDEWALK OPENINGS FOR WATER SERVICE	<u>60</u>
TOTAL PERMITS	1285

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, 1955:

THE EXPENDITURES OF THE DIVISION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$124,852.24
ITEM 1 SERVICES OTHER THAN PERSONAL	4,265.03
ITEM 2 MATERIALS AND SUPPLIES	915.64
ITEM 5 CAPITAL OUTLAY	<u>473.41</u>

TOTAL \$130,506.32

STREET LINE AND CITY PROPERTY SECTION

NOTICES OF INTENTION TO BUILD

DURING THE YEAR 332 NOTICES OF INTENTION TO BUILD WERE FILED IN THIS OFFICE. FIVE OF THESE NOTICES WERE NOT REQUIRED FOR VARIOUS REASONS. IN RESPONSE TO THE REMAINING 327 NOTICES, THE STREET LINES WERE MARKED ON THE GROUND AS REQUESTED FOR THE SPECIFIED LOCATIONS.

FIELD SURVEYS OF THE 27 STREETS ACCEPTED AS PUBLIC HIGHWAYS BY THE CITY COUNCIL WERE MADE AND THE STREET LAYOUT PLANS WERE MADE FOR OFFICE USE AND FOR THE OFFICIAL RECORDS OF THE CITY CLERK.

THE STREET LINE OF DOUGLAS AVENUE FROM CANDACE STREET TO ADMIRAL STREET WAS RE-RUN AND NEW BUILDINGS LOCATED IN ORDER TO BRING EXISTING MAPS UP TO DATE.

INFORMATION PERTAINING TO STREET LINES INCLUDING RECORDS OF STREET LAY-OUTS, WIDENINGS, LAND CONDEMNATION FOR HIGHWAY PURPOSES, ABANDONMENTS, ALIGNMENT CHANGES, STREET ORIGINS, PRESENT STATUS AS PUBLIC HIGHWAYS AND NAME CHANGES WAS FURNISHED TO TITLE COMPANIES AND ENGINEERING FIRMS CONTINUOUSLY THROUGHOUT THE YEAR.

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

STONE BOUNDS WERE SET ON SEVERAL STREETS AND EXISTING BOUNDS WERE RESET AT LOCATIONS WHERE THEY WERE MOVED DURING HIGHWAY 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>
BALMORAL AVENUE	RIVER AVE. TO WESTERLY TERMINATION	383.10
BARDEN STREET	MELISSA ST. TO PONAGANSETT AVENUE	501.37
ENFIELD AVENUE	NAPLES AVE. TO ISABELLA AVENUE	261.00
JOY STREET	RIVER AVE. TO WESTERLY TERMINATION	389.96
MINTO STREET	BOLTON AVE. TO FARM STREET	396.05
UDELL STREET	LANGDON ST. TO STANHOPE STREET	604.37
ANGELO AVENUE	LEO AVE. TO CITY LINE	575.87
EDENOALE AVENUE	FRUIT HILL AVE. TO EASTERLY TERMINATION	666.31
LEO AVENUE	LANGDON ST. TO CHARLES STREET	817.89
LUDEC STREET	DOUGLAS AVE. 500 FT. WESTERLY TO LAND OF WANSKUCK CO.	500.00
MILLARD STREET	NEBRASKA ST. TO PAVILION AVENUE	290.56
NORTH AVENUE	HOPE ST. TO BLACKSTONE BOULEVARD	734.34
RAPHAEL AVENUE	LANGDON ST. TO ROBIN BROOK SEWER LAND	532.98
GALILEO AVENUE	CHALKSTONE AVE. 500 FT. NORTHERLY	500.00
LEHIGH STREET	POE ST. TO ALLENS AVENUE	461.16
POE STREET	SEYMOUR ST. TO LEHIGH STREET	219.80
SEYMOUR STREET	EDDY ST. TO ALLENS AVENUE	1342.93
SPRINGFIELD STREET	HARTFORD AVE. TO SOUTHERLY LINE THORNTON ST.	764.74
VICTORIA STREET	CHALKSTONE AVE. TO SOUTHERLY LINE GAGE STREET	698.10
CLOVE STREET	TEXAS AVE. TO ISABELLA AVENUE	336.47
ISABELLA AVENUE	WESTERLY LINE ENFIELD AVE. TO SHARON STREET	1413.90
RAPHAEL AVENUE	CHARLES ST. TO WESTERLY LINE ROBIN BROOK SEWER LAND	246.65
SAMOSET AVENUE	CHALKSTONE AVE. TO SOUTHERLY LINE GAGE STREET	680.14
WEBB STREET	WHITFORD AVE. TO METROPOLITAN ROAD	367.44
ALTON ROAD	UPTON AVE. TO NORTHERLY TERMINATION	772.38
BEVELIN ROAD	COLE AVE. TO ALTON ROAD	302.84
HARION ROAD	COLE AVE. TO ALTON ROAD	304.30
TOTAL (FEET).....		15061.65
OR 2.853 MILES		

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR:

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
ASTER STREET	WEST PARK ST. TO JEWETT STREET	214.22
CUSHING STREET	BROWN ST. TO THAYER STREET	696.65
DEFOE PLACE	FONES ALLEY TO WATERMAN STREET	116.29
FAIRMOUNT AVENUE	PORTION ALONG EASTERLY SIDE	—
FONES ALLEY	DEFOE PLACE TO WATERMAN STREET	374.00
GRADY LANE	ROBINSON ST. TO PACA PLACE	111.00
GIBBS COURT	ROBINSON ST. TO SOUTHERLY TERMINATION	119.80
PACA PLACE	PRAIRIE AVE. TO EASTERLY TERMINATION	220.00
ROBINSON STREET	PRAIRIE AVE. TO GAY STREET	856.08
SANTIAGO STREET	ALEXANDER ST. TO WESTERLY TERMINATION	67.60
SOUTH WATER STREET	PORTION ALONG EASTERLY SIDE	—
UNNAMED GANGWAYS (2)	SOUTH MAIN ST. TO SOUTH WATER STREET	351.20
TOTAL (FEET).....		3126.84

THE APPROXIMATE LENGTH OF STREETS PLATTED BUT NOT RECEIVED IS 60.031 MILES.

ADJUSTING THE 1954 LENGTH OF RECEIVED STREETS BY ADDING THE ABOVE TOTAL AND DEDUCTING THOSE STREETS ABANDONED MAKES THE LENGTH OF RECEIVED STREETS AT THE END OF THE FISCAL YEAR 1955 (MEASURED ALONG PROPERTY LINES) 362.177 MILES.

PARENTE STREET AND CHAMPLAIN PLACE WERE ADDED TO THE LIST OF UNRECEIVED STREETS, THE FIRST BY A RECORD PLAT AND THE SECOND BY A DEED FOR HIGHWAY PURPOSES.

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

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

CHAMPLAIN PLACE	STUDY PLAN
FIELDS POINT	TERMINAL FACILITIES
ROBINSON STREET	PROPOSED ABANDONMENT
KINSLEY AVENUE INCINERATOR LOT	PROPOSED SALE
SOUTH WATER STREET	PROPOSED ABANDONMENT (PORTION)
ROGER WILLIAMS AVENUE	PROPOSED SALE
CHARLES V. CHAPIN HOSPITAL	STUDY PLAN
FONES ALLEY	PROPOSED ABANDONMENT
SABIN AND COPE STREETS	PROPOSED PURCHASE
SABIN AND COPE STREETS	PROPOSED PURCHASE
CLARA AND DANFORTH STREET	CONDEMNATION FOR PARKS AND PLAYGROUND PURPOSES
OBADIAH BROWN ESTATE	PROPOSED SALE (PORTION)
WILLARD CENTER UNIT ONE	CROSS SECTIONS
EVANS STREET	PROPOSED ABANDONMENT
FRANCISCO STREET	PROPOSED ABANDONMENT
OBADIAH BROWN HOMESTEAD	PROPOSED SALE
PATERSON STREET (BLACKSTONE PARK)	RADIUS PLAN
UNNAMEO GANGWAY	PROPOSED ABANDONMENT
RALSTON STREET (OPPOSITE)	PROPOSED SEWER EASEMENT
LUBEC STREET	PROPOSED EXTENSION
OBADIAH BROWN HOMESTEAD	PROPOSED SALE
PLEASANT VALLEY PARKWAY	PROPOSED SALE
CANAL STREET	PROPOSED LEASE
NORTH BURIAL GROUND	PORTION OF SECTION 33
CANAL AND SMITH STREETS	PROPOSED LEASE
NORTH BURIAL GROUND	PORTION OF SECTION 29
PLEASANT VALLEY PARKWAY	PROPOSED SEWER EASEMENTS
CUSHING STREET	PROPOSED ABANDONMENT
BURLEIGH STREET	PROPOSED EXTENSION
PARENTE STREET	PROPOSED EXTENSION
NORTH BURIAL GROUND	PORTION OF SECTIONS 26 AND 28
WATERMAN STREET	PROPOSED CUT-OFF
EAST GEORGE STREET	PROPOSED LEASE
BLACKSTONE PARK	PROPOSED SALE (PORTION)
SUNSET AVENUE	LAND REQUIRED FOR HIGHWAY WIDENING
ROBINSON STREET	PROPOSED ABANDONMENT
BELMONT AVENUE	PROPOSED ABANDONMENT
SOVEREIGN STREET	PROPOSED ABANDONMENT
SUNSET AVENUE	LAND REQUIRED FOR WIDENING
PLEASANT VALLEY PARKWAY	LOCATION SURVEY
ISABELLA AVENUE	PROPOSED SALE
EAST AND TRANSIT STREETS	PROPOSED SALE
CASWELL COURT	PROPOSED ABANDONMENT
NORTH BURIAL GROUND	SECTIONS 28 AND 29

CLARA AND DANFORTH STREETS
SUNSET AVENUE (2)
PARENTE STREET (2)
CENTRAL STREET FIRE STATION
PAINE STREET
PROMINENT STREET

RECORD MAP
RECORD MAPS
RECORD MAPS
PROPOSED SALE
PROPOSED ABANDONMENT
PROPOSED ABANDONMENT

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

SMITH AND RUGGLES STREETS	KNIGHT STREET
BISHOP STREET	KILLINGLY AND PLAINFIELD STREETS
REAR OF RESERVOIR AVENUE	KNIGHT AND ADAMS STREETS
HATHAWAY AND DIXON STREETS	(CAPTAIN J. CARLETON DAVIS)
RESERVOIR AVENUE	(BOULEVARD AND OLNEY STREET)
MANTON AVENUE AND CYREL COURT	CHAD BROWN STREET
CHALKSTONE AVENUE AND GENEVA STREET	CHALKSTONE AND MANTON AVENUES
DOUGLAS AVENUE AND BERNON STREETS	VEAZIE STREET
WATERMAN AND BROOK STREETS	SHILOH AND VEAZIE STREETS
POCASSET AND WEBSTER AVENUES	CRANSTON AND FORD STREETS
WESTMINSTER AND DODGE STREETS	EDDY AND BAY STREETS
PUBLIC STREET	PARK AVENUE AND PARK ROW
PARNELL AND DUTTON STREETS	CHARLES STREET AND DOUGLAS AVENUE
OLNEY AND CLORANE STREETS	

THE ABOVE PLANS INCLUDE THE CHANGES FROM NO. 54 TO NO. 79 BOTH INCLUSIVE.

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

NORTH BURIAL GROUND

DURING THE YEAR 47 DEEDS TO LOTS CONVEYED BY THE CITY AND 42 CERTIFICATES OF PERPETUAL CARE HAVE BEEN DRAWN UP. SELLING PLANS OF PORTIONS OF SECTIONS 25 AND 26 AND PORTIONS OF SECTIONS 28 AND 29 WERE DRAWN WITH REVISED LOT DIMENSIONS AND PRINTS WERE FURNISHED AS REQUESTED TO THE SUPERINTENDENT. FIELD SURVEYS WERE MADE AND LOTS STAKED OUT ON GROUND WHEN REQUESTED.

GENERAL

LINES AND GRADES WERE WORKED OUT AND MARKED ON GROUND FOR PARKING LOT AT CHARLES V. CHAPIN HOSPITAL.

THE MAGNETIC VARIATION OF THE COMPASS WAS OBSERVED AND RECORDED.

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

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

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

PLATS PRESENTED FOR RECORD HAVE BEEN COMPARED FOR THE RECORDER OF DEEDS OFFICE AND PLATS FOR RECORDING HAVE BEEN FURNISHED THE RECORDER'S OFFICE UNDER THE PROVISIONS OF CHAPTERS 987 AND 1856 AND 2118 OF THE PUBLIC LAWS.

DESCRIPTIONS FOR CONDEMNATION STATEMENTS TAKING LAND FOR HIGHWAY AND PARK PURPOSES AND FOR DEEDS OF LAND PURCHASED OR SOLD, 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.

THE EXTENSIVE ZONING CHANGE OF THE FORMER WALSH-KAISER SHIPYARD AT FIELDS POINT WAS MARKED ON THE GROUND WITH THE EXISTING ZONE BOUNDARY AND THE PROPOSED CHANGE SHOWN IN DIFFERENT COLORS FOR VIEWING BY THE ORDINANCE COMMITTEE.

THE DESCRIPTION AND PLAN SHOWING THE LAND IN WILLARD CENTER TO BE CONVEYED TO THE CITY BY THE REDEVELOPMENT AGENCY WERE CHECKED AND REVISIONS SUGGESTED IN EACH ONE.

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

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 THIRTY-ONE STREETS, COVERING FORTY APPLICATIONS.

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

PROFILES: PROFILES OF SUNDRY STREETS, APPROXIMATELY 1.03 MILES HAVE BEEN MADE FOR THE PURPOSE OF DEFINING GRADES. THE CONTOURS OF THE CENTER AND SIDE LINES ARE SHOWN AT FIFTY FOOT STATIONS, ALSO THE LEVELS OF THE SILLS AND GROUND LINES OF THE HOUSES ADJOINING THE STREETS. THE PLAN ACCOMPANYING THE PROFILE SHOWS DIVISION OF ESTATES, OWNERSHIP AND HOUSES.

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

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

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

<u>STREET</u>	<u>(TYPE-BITUMINOUS CONCRETE)</u>	<u>SQ. YDS.</u>
ADELAIDE AVENUE	ELMWOOD AVE. TO RESERVOIR AVENUE	628
ALABAMA AVENUE	NARRAGANSETT BLVD. TO MICHIGAN AVENUE	2336
ANGELL STREET	BUTLER AVE. TO PARKSIDE ROAD	3989
ARMSTRONG AVENUE	EAST ST. TO BROOK STREET	2773
BATTEY STREET	WESTMINSTER ST. TO BROADWAY	2965
BOWEN STREET	CONGDON ST. TO HOPE STREET	6474
BURLINGTON STREET	SUMMIT AVE. TO HOPE STREET	1820
CALHOUN AVENUE	POTTERS AVE. TO HUNTINGTON AVENUE	1993
COLFAX STREET	RUGBY ST. TO BROAD STREET	5503
COOKE STREET	ANGELL ST. TO POWER STREET	5940
DOUBLDON STREET	SOUTH WATER ST. TO SOUTH MAIN STREET	142
EAMES STREET	MORRIS AVE. TO STADIUM ROAD	1515
EAST STREET	WICKENDEN ST. TO WILLIAMS STREET	2707
EMELINE STREET	MORRIS AVE. TO ELMGROVE AVENUE	4997
FIFTH STREET	SUMMIT AVE. TO LORIMER AVENUE	4954
FOSDYKE STREET	MORRIS AVE. TO WOODBURY STREET	3915
FREEMAN PARKWAY	ARLINGTON AVE. TO ELMGROVE AVENUE	3704
HAROLD STREET	CHALKSTONE AVE. TO VALLEY STREET	6448
HAZARD AVENUE	MORRIS AVE. TO ELMGROVE AVENUE	4162
HUMES STREET	CRESCENT ST. TO POINT NORTHERLY	267
LAUREL AVENUE	ARLINGTON AVE. TO ELMGROVE AVENUE	3041
LIPPITT STREET	NORTH MAIN ST. TO DWIGHT STREET	6031
LINCOLN AVENUE	COLE AVE. TO SLATER AVENUE	1558
LLOYD AVENUE	BROOK ST. TO PROSPECT STREET	5039
LORRAINE AVENUE	PRESIDENT AVE. TO LAUREL AVENUE	1773
LUNA STREET	BRANCH AVE. TO NORTHUP AVENUE	2947
MAGDALENE STREET	POGASSET AVE. TO LAUREL HILL AVENUE	1907
MEETING STREET	THAYER ST. TO HOPE STREET	1875
MODENA AVENUE	SMITH ST. TO LOTUS PLACE	4767
MOUNT AVENUE	COLE AVE. TO BLACKSTONE BOULEVARD	2283
ORANGE STREET	PINE ST. TO POINT NORTH OF CLIFFORD STREET	793
RHODE ISLAND AVENUE	BUTLER AVE. TO PATERSON STREET	2369
ROGER STREET	POWER ST. TO WILLIAMS STREET	733
SACKETT STREET	BROAD ST. TO ELMWOOD AVENUE	10496
SISSON STREET	CHALKSTONE AVE. TO ALMIRA AVENUE	1795
SLATER AVENUE	FREEMAN PARKWAY TO ROCHAMBEAU AVENUE	9713
STADIUM ROAD	EMELINE ST. TO SESSIONS STREET	1312
THAYER STREET	WATERMAN ST. TO WILLIAMS STREET	5741
UNIVERSITY AVENUE	ARLINGTON AVE. TO BLACKSTONE BOULEVARD	6560
VASSAR AVENUE	MORRIS AVE. TO ELMGROVE AVENUE	2387
WASHINGTON AVENUE	NARRAGANSETT BLVD. TO MICHIGAN AVENUE	2371
WHITFORD AVENUE	RIVER AVE. TO SMITH STREET	1509
WICKENDEN STREET	EAST ST. TO GANO STREET	5967
WOODBURY STREET	MORRIS AVE. TO COLE AVENUE	4060

TOTAL

154259

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>
ALDRICH STREET	BROAD ST. TO EDDY STREET	4703
AUGUSTA STREET	SEAMANS ST. TO DURHAM STREET	3590
BARBARA STREET	KING PHILIP ST. TO MIDDLETON STREET	1789
CHACE AVENUE	GREATON DRIVE TO TOP STREET	1293
CHACE DRIVE	CHACE AVE. TO NORTHERLY TERMINATION	766
EDWARD STREET	NORTHUP AVE. TO NORTHERLY TERMINATION	1147
EVELYN STREET	UNION AVE. TO PRUDENCE AVENUE	1054
FAIRFIELD AVENUE	RICHLAND AVE. TO PORTION RECEIVED	1646
FAIRMOUNT AVENUE	MT. PLEASANT AVE. TO YALE AVENUE	793
FLORA STREET	ASHTON ST. TO NORTHUP AVENUE	2824
KINFIELD STREET	HARTFORD AVE. TO BARBARA STREET	1807
LOXLEY ROAD	LOIS AVE. TO TRINITY PARKWAY	740
NORTH AVENUE	HOPE ST. TO BLACKSTONE BOULEVARD	2062
OAKWOOD AVENUE	CHALKSTONE AVE. TO FREEDOM ROAD	1415
PORTER STREET	EDDY ST. TO ERNEST STREET	1944
RAPHAEL AVENUE	CHARLES ST. TO EASTERLY TERMINATION	1525
SIBYL STREET	MERCY ST. TO PRUDENCE AVENUE	2068
	TOTAL	31166

SPECIFICATIONS AND INSPECTION WERE FURNISHED FOR THE GRADING, CURBING AND CONSTRUCTION BY CONTRACTOR FOR ABUTTING OWNERS OF THE FOLLOWING STREETS;

<u>STREET</u>	<u>TYPE (BITUMINOUS MACADAM)</u>	<u>SQ.YDS.</u>
ALTON ROAD	UPTON AVE. TO NORTHERLY TERMINATION	2245
BEVELIN ROAD	COLE AVE. TO ALTON ROAD	888
HARIAN ROAD	COLE AVE. TO ALTON ROAD	883
	TOTAL	4016

CONSTRUCTION WAS IN PROGRESS IN THE FOLLOWING STREETS ON SEPTEMBER 30, 1955;

ANGELO AVENUE, LEO AVE. TO CITY LINE
 BARDEN STREET, MELISSA ST. TO PONAGANSETT AVENUE
 BEVERLY STREET, FOUNTAIN ST. TO MASON STREET
 BOYLSTON AVENUE, OLNEY ST. TO MONTAGUE STREET
 CARL STREET, MANTON AVE. TO EASTERLY TERMINATION
 CLOVE STREET, TEXAS AVE. TO ISABELLA AVENUE
 CONGDON STREET, JENKES ST. TO HIDDEN STREET
 DIXON STREET, STAMFORD AVE. TO ROGER WILLIAMS PARK
 DRILL STREET, HILLVIEW AVE. TO SHARON STREET
 EDENDALE AVENUE, FRUIT HILL AVE. TO EASTERLY TERMINATION
 ENFIELD AVENUE, NAPLES AVE. TO ISABELLA AVENUE
 ERIE STREET, SHARON ST. TO ROME AVENUE
 FALCONER STREET, SINCLAIR AVE. TO RUTHERGLEN AVENUE
 GALLILEO AVENUE, CHALKSTONE AVE. TO 500 FT. NORTHERLY
 ISABELLA AVENUE, ENFIELD AVE. TO SHARON STREET
 LEO AVENUE, LANGDON ST. TO CHARLES STREET
 LUBEC STREET, DOUGLAS AVE. TO 500 FT. WESTERLY
 MACGREGOR STREET, LANGDON ST. TO STANHOPE STREET
 MANHATTAN STREET, LANGDON ST. TO STAMHOPE STREET
 MILLARD STREET, NEBRASKA ST. TO PAVILION AVENUE
 MINTO STREET, BOLTON AVE. TO FARM STREET

MONTAGUE STREET, HOPE ST. TO MORRIS AVENUE
 RAPHAEL AVENUE, LANGDON ST. TO CHARLES STREET
 SAMOSET AVENUE, CHALKSTONE AVE. TO SOUTH LINE GAGE STREET
 SARGENT AVENUE, MORRIS AVE. TO ELMGROVE AVENUE
 SINCLAIR AVENUE, ALEXANDER ST. TO EASTERLY TERMINATION
 SPRINGFIELD STREET, HARTFORD AVE. TO SOUTH LINE THORNTON STREET
 SUNSET AVENUE, KILLINGLY ST. TO CITY LINE
 TUCKER STREET, SISSON ST. TO RUSHMORE AVENUE
 UDELL STREET, LANGDON ST. TO STANHOPE STREET
 UNIT STREET, CHALKSTONE AVE. TO MANTON AVENUE
 VICTOR EMANUEL AVENUE, LANGDON ST. TO STANHOPE STREET
 VICTORIA STREET, CHALKSTONE AVE. TO SOUTH LINE GAGE STREET
 WEBB STREET, WHITFORD AVE. TO METROPOLITAN ROAD

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

<u>STREET</u>	<u>CURB ORDERED</u>	<u>LENGTH IN FEET</u>
BALMORAL AVENUE, RIVER AVE. TO TERMINATION	DEC. 6, 1954	393
CRARY STREET, ALLENS AVE. TO EAST LINE UNNAMED STREET	DEC. 5, 1940	276
OUTLER STREET, NEWARK ST. TO ATWELLS AVENUE	AUG. 7, 1952	206
JOY STREET, RIVER AVE. TO WESTERLY TERMINATION	DEC. 6, 1954	400
LEHIGH STREET, POE ST. TO ALLENS AVENUE	APR. 8, 1955	478
POE STREET, SEYMOUR ST. TO LEHIGH STREET	APR. 8, 1955	220
SEYMOUR STREET, EDDY ST. TO ALLENS AVENUE	APR. 8, 1955	1360
TRAINOR STREET, ACORN ST. TO BALBO AVENUE	JUN. 20, 1935	249
UNNAMED PLATTED STREET CRARY ST. TO GLOBE STREET	DEC. 5, 1940	117
TOTAL		3699

PETITIONS TO HAVE GRADE DEFINED

<u>DATE</u>	<u>STREET AND LOCATION</u>
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	GLOSSOP STREET, FROM WOONASQUATUCKET AVE. TO FRUIT HILL AVENUE
OCT. 4, 1951	BRINKLEY STREET, FROM CHALKSTONE AVE. TO ITS SOUTHERLY TERMINATION
NOV. 1, 1951	STEELE STREET, FROM WOODBINE ST. TO LANCASTER STREET
DEC. 6, 1951	BALTIMORE STREET, FROM THE SECOND ANGLE EAST OF MANTON AVE. TO FERRIS STREET.
FEB. 7, 1952	STANSBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
FEB. 21, 1952	WAITE STREET, FROM ADMIRAL ST. TO GENERAL STREET
AUG. 7, 1952	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
AUG. 7, 1952	STOCKTON STREET, FROM DART ST. TO ITS EASTERLY TERMINATION
AUG. 7, 1952	GLOUCESTER STREET, FROM ADMIRAL ST. TO SUNDURY STREET
OCT. 2, 1952	OKIE STREET, FROM BATH ST. TO ITS TERMINATION
DEC. 4, 1952	GREELEY STREET, FROM HAGAN ST. TO ALASKA STREET
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	CLEMATIS STREET, FROM MALLOY ST. TO GLOVER STREET
OCT. 15, 1953	WEST STREET, FROM BELKNAP ST. TO CARGILL STREET
DEC. 17, 1953	HERBERT STREET, FROM CHALKSTONE AVE. TO GERARD AVENUE
JAN. 21, 1954	WEST PARK STREET, FROM CALVERLEY ST. TO NORTHERLY TERMINATION

FEB. 18, 1954	RUSO 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
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 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
NOV. 2, 1954	SMART STREET, WINDMILL ST. TO ARGOL STREET
JAN. 20, 1955	ADIE STREET, FROM ATWELLS AVE. TO OEOAR STREET
JAN. 20, 1955	BRADLEY STREET, FROM RIVER AVE. TO CUMBERLAND STREET
FEB. 17, 1955	OPHELIA STREET, FROM HARTFORD AVE. TO ELIZA STREET
MAR. 24, 1955	LUGEO STREET, FROM 165+FT. NEAR HAVANA ST. TO CITY LINE
APR. 21, 1955	LANCASHIRE ST. FROM DOUGLAS AVE. TO 250+FT.
MAY 5, 1955	PARK ROW, FROM EDGEWOOD BOULEVARD SOUTHERLY TO CRANSTON CITY LINE
MAY 19, 1955	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
JUNE 2, 1955	ARGOL STREET, FROM EDGEWORTH AVE. TO NELLIE STREET
JUNE 2, 1955	AUMONO STREET, FROM EDGEWOOD BLVD. TO CITY LINE
JULY 7, 1955	VESPUCCI STREET, FROM DOUGLAS AVE. TO FERNANDO STREET
JULY 7, 1955	WESTCOTT AVENUE, FROM ANGLE WEST OF FRUIT HILL AVE. TO RECEIVED PORTION
JULY 7, 1955	REDWOOD STREET, FROM HUXLEY AVE. TO ITS TERMINATION
JULY 7, 1955	HILLCREST AVENUE, FROM SOUTHERLY LINE FREEDOM ROAD TO SOUTH LINE CARVEL STREET
AUG. 4, 1955	POE STREET, FROM OXFORD ST. TO SEYMOUR STREET
AUG. 4, 1955	ASHTON STREET, FROM CHATHAM ST. TO LUNA STREET
AUG. 4, 1955	DERRY STREET, FROM GEOFFREYS COURT TO OREGON STREET
SEPT. 1, 1955	QUEEN STREET, FROM LAUREL HILL AVE. TO ITS NORTHERLY TERMINATION

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
AUG. 10, 1950	DERRY STREET, FROM GEOFFREYS COURT 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	GLOSSOP STREET, FROM WOONASQUATUCKET AVE. TO FRUIT HILL AVENUE
OCT. 4, 1951	BRINKLEY STREET, FROM CHALKSTONE AVE. TO ITS SOUTHERLY TERMINATION
DEC. 6, 1951	BALTIMORE STREET, FROM THE SECOND ANGLE, EAST OF MANTON AVE. TO FERRIS STREET
FEB. 7, 1952	STANSBURY STREET, FROM GRANO BROADWAY TO ITS EASTERLY TERMINATION
FEB. 21, 1952	WAITE STREET, FROM ADMIRAL ST. TO GENERAL STREET
AUG. 7, 1952	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
AUG. 7, 1952	STOCKTON STREET, FROM DART ST. TO ITS EASTERLY TERMINATION
AUG. 7, 1952	GLOUSTER STREET, FROM ADMIRAL ST. TO 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	MYRA STREET, FROM KILLINGLY ST. TO BOUNOARY AVENUE
APR. 16, 1953	STELLA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
JULY 16, 1953	BALCH STREET, FROM NIANTIC AVE. TO CALHOUN AVENUE
JULY 16, 1953	FRANKFORT STREET, FROM BURRINGTON ST. TO BALCH STREET
JULY 16, 1953	TYLER STREET, FROM NIANTIC AVE. TO FAITH STREET
AUG. 6, 1953	CLEMATIS STREET, FROM MALLOY ST. TO GLOVER STREET
SEPT. 3, 1953	NAHANT STREET, FROM RUSSO ST. TO OPPER STREET
DEC. 3, 1953	DANBY STREET, FROM WINOMILL ST. TO TERMINATION
DEC. 17, 1953	HERBERT STREET, FROM CHALKSTONE AVE. TO GARAROI 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 EDOY ST. TO ERNEST STREET
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 EDOY 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 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	KLONOIKE STREET, FROM HERSCHEL ST. TO 62 KLONOIKE 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 GEOFFREYS ST. TO OREGON STREET
NOV. 4, 1954	SMART STREET, FROM WINDMILL ST. TO ARGOL STREET
DEC. 20, 1955	ADIE STREET, FROM ATWELLS AVE. TO CEDAR STREET
DEC. 20, 1955	BRADLEY STREET, FROM RIVER AVE. TO CUMBERLAND STREET
FEB. 17, 1955	OPHELIA STREET, FROM HARTFORD AVE. TO ELIZA STREET
APR. 21, 1955	LANCASHIRE STREET, FROM DOUGLAS AVE. TO 250+ FT.
MAY 5, 1955	PARK ROW, FROM EDGEWOOD BOULEVARD SOUTHERLY TO CRANSTON CITY LINE
MAY 19, 1955	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
JUNE 2, 1955	ARGOL STREET, FROM EDGEWORTH AVE. TO NELLIE STREET
JUNE 2, 1955	AUMOND STREET, FROM EDGEWOOD BLVO. TO CITY LINE
JULY 7, 1955	VESPUCCI STREET, FROM DOUGLAS AVE. TO FERNANOO STREET
JULY 7, 1955	WESTCOTT AVENUE, ANGLE WEST OF FRUIT HILL AVE. TO RECEIVED PORTION
JULY 7, 1955	REDWOOD STREET, HUXLEY AVE. TO ITS TERMINATION
JULY 7, 1955	HILLCREST AVENUE, FROM SOUTH LINE FREEDOM ROAD TO SOUTH LINE CARVEL ST.
AUG. 4, 1955	POE STREET, FROM OXFORD ST. TO SEYMOUR STREET
AUG. 4, 1955	ASHTON STREET, FROM CHATHAM ST. TO LYNA STREET
AUG. 4, 1955	DERRY STREET, FROM GEOFFREYS COURT TO OREGON STREET
SEPT. 1, 1955	QUEEN STREET, FROM LAUREL HILL AVE. TO ITS NORTHERLY TERMINATION

SUMMARY TO OCTOBER 1, 1955

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

TYPES OF PAVEMENT	LENGTHS		AREA
	MILES	SQUARE YARDS	
REINFORCED CONCRETE	0.17		3101.3
BITUMINOUS CONCRETE (CURBED)	85.24		1542862.6
BITUMINOUS CONCRETE (NOT CURBED)	4.75		82544.0
SHEET ASPHALT (CURBED)	67.30		1620381.2
SHEET ASPHALT (NOT CURBED)	0.30		4195.0
BITUMINOUS MACADAM (CURBED)	186.19		2877530.8
BITUMINOUS MACADAM (NOT CURBED)	3.62		59658.0
ASPHALT BLOCKS	0.14		1555.4

BRICK	0.02	197.2
COBBLE	0.40	3659.7
GRANITE BLOCKS	3.40	56273.4
WATERBOUND MACADAM (CURBED)	3.55	55822.0
WATERBOUND MACADAM (NOT CURBED)	0.94	11044.0
	<u>356.02</u>	<u>6318824.6</u>
RECEIVED (NOT IMPROVED)	5.58	
	<u>361.60</u>	
	TOTAL	

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

STREETS PAVED WITH NEW MATERIAL	63839 LINEAR FEET
SHEET ASPHALT PAVEMENT LAID	0 SQUARE YARDS
BITUMINOUS CONCRETE PAVEMENT LAID	154259 SQUARE YARDS
BITUMINOUS MACADAM PAVEMENT LAID	35182 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 SIX STREETS BY THE CAPALDI BROS. CONSTRUCTION CO. DATED MARCH 26, 1954 IS NOW COMPLETED. THE STREETS INVOLVED ARE AS FOLLOWS, WITH THE DATES OF COMPLETION NOTED. THE TOTAL CONTRACT PRICE PAID EQUALED \$237,192.66 AND THE CONTRACT COMPLETION DATE WAS JANUARY 11, 1955.

DATES

COMPLETED

1954

SEPT. 9,	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,	ENFIELD AVENUE, FROM NEAR ISABELLA AVENUE TO NAPLES AVENUE
JUNE 28,	DIXON STREET, FROM ITS EASTERLY TERMINATION TO STAMFORD AVENUE
JULY 28,	WALLER STREET, FROM CANONCHET STREET TO METROPOLITAN ROAD
MAY 24,	VICTOR EMANUEL AVENUE, FROM LANGDON STREET TO CANADA POND TRUNK SEWER
AUG. 11,	TICKNOR STREET, FROM SISSON STREET TO RUSHMORE AVENUE
OCT. 20,	SUNSET AVENUE, FROM NEAR MOTT STREET TO KILLINGLY STREET
MAY 19,	MAGGREGOR STREET, FROM LANGDON STREET TO CANADA POND TRUNK SEWER
JULY 9,	MINTO STREET, FROM BOLTON AVENUE TO FARM STREET
MAY 18,	MANHATTAN STREET, FROM LANGDON STREET TO CANADA POND TRUNK SEWER
APR. 23,	FLORA STREET, FROM NEAR ASHTON STREET TO NORTHUP AVENUE
MAY 14,	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,	(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,	SINCLAIR AVENUE FROM THE PRESENT SEWER IN SINCLAIR AVENUE EASTERLY TO CITY-OWNED LAND AND NORTHERLY IN CITY-OWNED LAND TO RUTHERGLEN AVENUE

DATES
COMPLETED
1954

JULY 6, DRILL STREET, FROM NEAR HILLVIEW AVENUE TO SHARON STREET
JUNE 2, *ANGELO AVENUE, FROM THE CITY LINE AT NORTH PROVIDENCE TO LEO AVENUE
JUNE 8, *UDELL STREET, FROM NEAR LANGDON STREET, THROUGH RIGHT-OF-WAY, TO THE
CANAOA POND TRUNK SEWER
DEC. 10, *NORTH AVENUE, FROM NEAR HOPE STREET TO BLACKSTONE BOULEVARD
DEC. 7, *MILLARO STREET, FROM NEBRASKA STREET TO PAVILION AVENUE
DEC. 17, *WEBB STREET, FROM NEAR WHITFORD AVENUE TO FARM STREET

1955

JAN. 7, *ISABELLA AVENUE, FROM NEAR ENFIELD AVENUE TO SHARON STREET
JAN. 11, *EOENDALE AVENUE, FROM ITS EASTERLY TERMINATION TO FRUIT HILL AVENUE
*ADDED TO ORIGINAL CONTRACT.

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

DATES
COMPLETED

AUG. 27, 1955 WAITE STREET, FROM ADMIRAL STREET TO GENERAL STREET
INCOMPLETE BATCHELLER AVENUE, FROM NEAR ARGOL STREET TO SILVER SPRING STREET
SEPT. 17, 1955 CLEMATIS STREET, FROM NEAR GLOVER STREET TO MALLOY STREET
NOT STARTED DEEOE PLACE FROM ITS EASTERLY ANGLE TO CONGDON STREET
INCOMPLETE GREELEY STREET, FROM HAGAN STREET TO AVENTINE STREET
NOT STARTED HERBERT STREET, FROM NEAR GERARD AVENUE TO CHALKSTONE AVENUE
NOT STARTED BOWLETT STREET, FROM NEAR BARBARA STREET TO ITS NORTHERLY TERMINATION
NOT STARTED DANBY STREET, FROM ITS NORTHERLY TERMINATION TO WINDMILL STREET
NOT STARTED HILARITY STREET, FROM NEAR BARBARA STREET TO GRIMWOOD STREET
INCOMPLETE JOHNSON STREET, FROM NEAR EDDY STREET TO ERNEST STREET
NOT STARTED KING PHILIP STREET, FROM NEAR BARBARA STREET TO GRIMWOOD STREET
NOT STARTED PLEASANT VALLEY PARKWAY (SOUTH SIDE) FROM NEAR RIVER AVENUE TO
WINRODTH AVENUE
INCOMPLETE RALSTON STREET, FROM LANGDON STREET, THROUGH RIGHT-OF-WAY, TO
CANADA POND TRUNK SEWER
SEPT. 3, 1955 SEEKONK STREET, FROM NEAR WAYLAND AVENUE TO BUTLER AVENUE
AUG. 3, 1955 MUTUAL STREET, FROM NEAR EDDY STREET TO ALLENS AVENUE
INCOMPLETE EDGEWORTH AVENUE, FROM APPROXIMATELY 450 FEET WEST OF ARGOL STREET
TO ARGOL STREET
NOT STARTED PLYMOUTH STREET, FROM NEAR POTTERS AVENUE TO HUNTINGTON AVENUE
NOT STARTED WINDMILL STREET, FROM NEAR CITY LINE TO PRESENT SEWER IN WINDMILL ST.
JULY 5, 1955 BRADLEY STREET, FROM NEAR RIVER AVENUE TO CUMBERLAND STREET
JUNE 23, 1955 FUNSTON AVENUE, FROM APPROXIMATELY 850 FEET WEST OF CLOVE STREET TO
CLOVE STREET AND IN CLOVE STREET FROM FUNSTON AVENUE TO TEXAS AVE.
NOT STARTED GRAPE STREET, FROM CERES STREET TO ITS SOUTHERLY TERMINATION AND IN
ALICANT STREET FROM GRAPE STREET TO VETO STREET
AUG. 11, 1955 FAIR STREET, FROM SEAMANS STREET TO PHEBE STREET

A 48" SEWER WAS BUILT BY CAMPANELLO & CARDI CONSTRUCTION CO. FOR THE STANDISH-BARNES CO. EXTENDING FROM MASHPAUG POND EASTERLY, TO END OF PRESENT 48" SEWER. CONTRACT COMPLETED MARCH 23, 1955.

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, 1955, EXCLUSIVE OF THOSE CONTRACTED FOR:

CITY COUNCIL RESO-

<u>LUTION AND YEAR</u>	<u>LOCATION</u>
229 1940	BUCKLIN STREET, FROM NEAR POTTERS AVE. TO GREENWICH STREET
440 1940	NIANTIC AVENUE, FROM NEAR CRANSTON ST. TO AKERMAN STREET
293 1951	WHITE STREET, FROM POWELL ST. TO COLLYER STREET
277 1955	ADIE STREET, FROM NEAR ATWELLS AVE. TO CEDAR STREET
502 1955	ARGOL STREET, FROM NEAR NELLIE STREET TO EDGEWORTH AVENUE
503 1955	DRESSER STREET, FROM APPROXIMATELY 140 FEET EAST OF MATSON AVENUE TO PONAGANSETT AVENUE
504 1955	KLONDIKE STREET, FROM APPROXIMATELY 210 FEET WEST OF HERSCHELL STREET TO HERSCHEL STREET.
505 1955	LANCASHIRE STREET, FROM APPROXIMATELY 250 FEET EAST OF DOUGLAS AVENUE TO DOUGLAS AVENUE
506 1955	NELLIE STREET, FROM NEAR ARGOL STREET TO SMITHFIELD AVENUE
507 1955	WESTCOTT AVENUE, FROM THE ANGLE WEST OF FRUIT HILL AVENUE TO MANTON AVENUE

LIST NO.2.

SEWERS PETITIONED FOR AND REFERRED TO THE PUBLIC WORKS COMMITTEE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1955 AND NO ACTION TAKEN:

JULY 2, 1946	MURPHY STREET, FROM NEAR ATWELLS AVE. TO CEDAR STREET
JULY 2, 1946	PENROSE AVENUE, FROM NEAR BLACKSTONE BLVD. TO GROTTO AVENUE
JULY 10, 1947	CARNAC STREET, FROM GILLEN ST. TO MARIETTA STREET
JULY 10, 1947	SWEETBRIAR STREET, FROM MALBONE ST. TO OAKLAND AVENUE
SEPT. 4, 1947	SWAN STREET, FROM EDDY ST. TO POE STREET
SEPT. 18, 1947	OWEN STREET, FROM MANTON AVE. TO KING ST. INCLUDING RIGHT-OF-WAY TO BE OBTAINED ON KING STREET
JAN. 2, 1947	POWELL STREET, FROM CITY LINE TO MATILDA STREET, AND IN COLLYER STREET FROM WHITE STREET TO MATILDA STREET
SEPT. 2, 1948	ALLSTON STREET, FROM RILL ST. TO HAROLD STREET
MAY 5, 1949	BINGHAM STREET, FROM BRANCH AVE. TO CAXTON STREET
MAY 5, 1949	CARDER STREET, FROM CAXTON ST. TO ITS NORTHERLY TERMINATION
MAY 5, 1949	CAXTON STREET, FROM VEAZIE ST. TO ITS NORTHERLY TERMINATION
AUG. 4, 1949	STEELE STREET, FROM ROCHAMBEAU AVE. TO LANCASTER STREET
SEPT. 5, 1949	SECOND STREET, FROM HIGHLAND AVE. TO CRESTON WAY.
OCT. 6, 1949	BARBARA STREET, FROM CELIA ST. TO KING PHILIP STREET
NOV. 3, 1949	PALM STREET, FROM ROCK 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
APR. 20, 1950	PANAY STREET, FROM CURTIS ST. TO ALEPPO STREET
JUNE 1, 1950	CUTLER STREET, FROM NEWARK ST. TO ATWELLS AVENUE
AUG. 10, 1950	DERRY STREET, FROM GEOFFREYS 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	BRUSH HILL ROAD, FROM ADA ST. TO CHALKSTONE AVENUE
APR. 19, 1951	MESSENGER STREET, FROM ATWELLS AVE. TO SPRUCE STREET
MAY 3, 1951	BENEDICT STREET, FROM CRANSTON ST. TO HUNTINGTON AVENUE
JULY 5, 1951	KILLINGLY STREET, FROM HARTFORD AVE. TO CITY LINE
DEC. 20, 1951	STANTON STREET, FROM UNION AVE. TO MURRAY STREET
JAN. 3, 1952	BLACKSTONE BOULEVARD

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	MELISSA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 21, 1953	MIDDLETON STREET, FROM BARBARA ST. TO GRIMWOOD STREET
FEB. 18, 1954	QUARRY STREET, FROM ITS TERMINATION TO CHARLES STREET
MAY 6, 1954	ST. THOMAS STREET, FROM FRUIT HILL AVE. TO TARANTO STREET
JULY 1, 1954	BULLOCK AVENUE, FROM CITY LINE TO DUNBAR STREET
SEPT. 2, 1954	GROTON STREET, FROM DURFEE STREET TO FOWHATAN STREET
NOV. 4, 1955	SMART STREET, FROM NEAR WINDMILL STREET TO ARGOL STREET
FEB. 17, 1955	OPHELIA STREET, FROM ELIZA STREET TO HARTFORD AVENUE
MAY 5, 1955	PARK ROW, FROM NEAR CRANSTON CITY LINE TO EDGEWOOD BLVD.
MAY 19, 1955	AMITY STREET, FROM NEAR PEMBERTON STREET TO ACADEMY AVENUE
JULY 7, 1955	VESPUCCI STREET, FROM FERNANDO STREET TO DOUGLAS AVENUE
AUG. 4, 1955	POE STREET, FROM OXFORD STREET TO SEYMOUR STREET
AUG. 4, 1955	ASHTON STREET, FROM NEAR CHATHAM STREET TO LUNA STREET
SEPT. 1, 1955	QUEEN STREET, FROM ITS NORTHERLY TERMINATION TO CLEVELAND 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, 1955 EQUALED \$89,606.04.

SEWER SYSTEM STATISTICS: IN ORDER TO MAKE COMPLETE THE PROVIDENCE SEWER SYSTEM STATISTICS UP TO THE END OF THE FISCAL YEAR OF SEPTEMBER 30, 1955 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, 1955, 44.5021 MILES.

IN 1872 THE FIRST STORM SEWER CONSTRUCTION WAS STARTED AND AS OF SEPTEMBER 30, 1955 A TOTAL OF 85.0956 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, 1955 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, 1955 EQUALS 453.2995 MILES. INCLUDED IN THIS MILEAGE ARE APPROXIMATELY 19,640 MANHOLES, ALSO THERE ARE APPROXIMATELY 4630 INLETS AND 11,440 BASINS FOR COLLECTING SURFACE WATER AND TRAPPING DEBRIS BEFORE

ENTRANCE INTO THE SEWERS.

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

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

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

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

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

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

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

RECEIVED FROM PAWTUCKET. 1954-1955 400,000,000 GALLONS ESTIMATED WERE BILLED FOR \$11,925.00.

RECEIVED FROM CRANSTON. (NARRAGANSETT BREWING COMPANY) CONTRACT DATED FEBRUARY 1, 1949 1954-1955 69,247,400 GALLONS METERED AND BILLED FOR \$3813.61.

RECEIVED FROM NORTH PROVIDENCE. (CONTRACT DATED DECEMBER 4, 1939) 1954-1955 2,148,645,500 GALLONS ESTIMATED, CONTRACT TERMS \$20,000.00 ANNUALLY.

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

IN THE JANUARY SESSION OF THE STATE LEGISLATURE - CHAPTER 1661 - 1945, THERE WAS ENACTED BY THE GENERAL ASSEMBLY AN ACT TO SIMPLIFY THE PRESENT SYSTEM OF LICENSING MASTER AND JOURNEMEN PLUMBERS FOR THE PROTECTION OF PUBLIC HEALTH. SEC. 8 (READS AS FOLLOWS) "NOTHING IN THIS ACT SHALL PROHIBIT ANY CITY OR TOWN FROM GRANTING A LICENSE TO ANY PERSON AS A DRAIN LAYER TO ENGAGE IN THE BUSINESS OF THE LAYING OF DRAINS AND CESSPOOLS (WITH THE PROVISION, THAT IT IS NOT REQUIRED BY THE HOLDER OF A STATE LICENSE".)

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

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

TWO	(2)	125 CFM AIR COMPRESSORS	HIGHWAY SECTION
ONE	(1)	22000# G.V.W. CHASSIS FOR SKY-WORKER	HIGHWAY SECTION
SEVEN	(7)	SNOW PLOWS	HIGHWAY SECTION
ONE	(1)	RULL-DOZER	HIGHWAY SECTION
ONE	(1)	DIESEL MOTOR GRADER	HIGHWAY SECTION
ONE	(1)	10-14 TANDEM ROAD ROLLER	HIGHWAY SECTION
SIX	(6)	36000# G.V.W. DUMP BODY TRUCKS	HIGHWAY SECTION
SIX	(6)	30000# G.V.W. DUMP BODY TRUCKS	HIGHWAY SECTION
ONE	(1)	STREET SWEEPER	HIGHWAY SECTION
TWO	(2)	2-DOOR SEDANS	HIGHWAY SECTION
ONE	(1)	6-INCH PORTABLE PUMP	SEWER SECTION
ONE	(1)	SEWER CLEANER	SEWER SECTION
ONE	(1)	4-DOOR SEDAN	SEWER SECTION
ONE	(1)	14000# G.V.W. CANOPY EXPRESS TRUCK	SEWER MAINTENANCE
ONE	(1)	2-DOOR SEDAN	PUBLIC SERVICE ENGINEER
ONE	(1)	14000# G.V.W. DUMP TRUCK	SIDEWALK SECTION

SPECIFICATIONS WERE MADE FOR THE SALE OF THE HARBOR MASTER'S BOAT

PERSONAL PROPERTY INVENTORY MADE.

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

"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 COMPLETED JULY 31, 1955. FINAL AMOUNT \$77,305.00

UNDER THE 1954 HURRICANE REHABILITATION ACCOUNT AN ORDER WAS ISSUED TO THE GILBANE BUILDING COMPANY TO REPAIR THE DAMAGE CAUSED BY HURRICANE "CAROL" TO THE NEW TRANSFER SHED AT MUNICIPAL WHARF. THIS WORK WAS COMPLETED IN FEBRUARY, 1955 IN THE AMOUNT OF \$117,392.05

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:

"THE CONSTRUCTION OF A PUBLIC WORKS GARAGE AND REPAIR SHOP" FOR THE SANITATION DIVISION. CONTRACTOR JOSEPH P. FLYNN. CONTRACT DATED NOVEMBER 20, 1953 AND WAS COMPLETED JUNE 30, 1955 FOR THE SUM OF \$338,739.35. THE ROADWORK AROUND THIS BUILDING WAS COMPLETED BY THE HIGHWAY SECTION AUGUST 11, 1955.

ON APRIL 21, 1955 A FINAL PAYMENT WAS MADE TO THE HALLER TESTING LABORATORIES, INC. IN THE AMOUNT OF \$1500.00 FOR THE INSPECTION AND TESTING OF CONCRETE (3000# TEST) FOR THE ABOVE BUILDING.

"REPLACING BOILER AND AIR HEATER TUBES IN THE BOILER OF THE GARBAGE INCINERATOR UNIT #1". CONTRACTOR JOHN W. GRUNDY CO. CONTRACT DATED APRIL 7, 1954 AND WAS COMPLETED MARCH 1, 1955 FOR THE SUM OF \$27,709.92.

"FOR ALTERATIONS, RENEWALS AND IMPROVEMENTS TO THE GARBAGE INCINERATOR PLANT NO. 1" CONTRACTOR GEORGE ALLEN & SONS, INC. CONTRACT DATED DECEMBER 7, 1953 IN THE AMOUNT OF \$223,366.00. THE VALUE OF WORK DONE TO DATE EQUALS \$222,911.32.

"COORDINATED OUTDOOR SUBSTATION OF THE SEWAGE DISPOSAL PLANT". PAYMENT WAS MADE TO THE CONTRACTOR, THE COKEN COMPANY, IN THE AMOUNT \$61,037.62 FOR AN ESTIMATED VALUE OF \$93,847.46 OF WORK DONE AS OF FEBRUARY 28, 1955. PAYMENT WAS APPROVED BY THE PUBLIC SERVICE ENGINEER.

IN CONNECTION WITH THE FORESTRY SECTION "GARAGE, OFFICE AND REPAIR SHOP" LOCATED IN ROGER WILLIAMS PARK, A CONTRACT DATED DECEMBER 16, 1954 WAS ENTERED INTO WITH THE PETERSON CONSTRUCTION CO. INC. FOR CONSTRUCTION IN THE AMOUNT OF \$52,240.00. THE VALUE OF THE WORK DONE TO DATE EQUALS \$46,565.00.

PLANS AND SPECIFICATIONS WERE DRAWN UP FOR THE REPAIRS TO THE PLEASANT VALLEY BROOK WALLS AND THE INSTALLATION OF A CONCRETE MAT BETWEEN THE WALLS. BIDS WILL BE RECEIVED OCTOBER 17, 1955. ESTIMATED COST \$12,000.00

A NEW YORK NEW HAVEN & HARTFORD RAILROAD SIDING WAS BUILT FOR THE TOWER IRON WORKS ACROSS THE EAST END OF OXFORD STREET NEAR ALLENS AVENUE. TRACK WORK, NEW BASINS AND ROADWORK WAS COMPLETED JUNE 28, 1955, IN A SATISFACTORY MANNER.

CONFERENCES WERE HELD REGARDING THE ENTRANCE OF JOHNSTON SEWAGE INTO THE CITY OF PROVIDENCE SEWERS. THE ENGINEERS ON THIS PROJECT WILL BE HALEY AND WOOD FOR THE TOWN OF JOHNSTON. CERTAIN SECTIONAL PLANS HAVE BEEN APPROVED.

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

U.S. ARMY ENGINEERS, BOSTON, MASS.
ENGINEERS, DELEUW, CATHER & BRILL, NEW YORK, N.Y.
ENGINEERS, DELEUW AND CATHER, BOSTON, MASS.
ENGINEERS, CHARLES A. MAQUIRE & ASSOCIATES, PROVIDENCE, R.I.
GEOLOGISTS AND ENGINEER, FRANK E. FAHLQUIST, PROVIDENCE, R.I.
ENGINEERS, C.W. RIVA CO. BOSTON, MASS.

PLANS WERE APPROVED FOR A NEW 15-INCH SEWER LINE TO REPLACE THE PRESENT 10-INCH SEWER LINE, FOR SEWAGE FROM THE NARRAGANSETT BREWING CO. THIS CHANGE-OVER TOOK PLACE ON AUGUST 5, 1955. A NEW CONTRACT WAS ENTERED INTO WITH THE CITY OF CRANSTON AS OF JUNE 1, 1955.

SEWER WAS ABANDONED IN ROBINSON STREET FOR REDEVELOPMENT IMPROVEMENTS.

PLANS WERE MADE FOR BASIN CHANGES ON HOPE STREET AND SUBMITTED TO THE STATE BOARD OF PUBLIC ROADS FOR PROPOSED RECONSTRUCTION OF HOPE STREET.

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, VACATIONS, EMPLOYEE ENTRANCES AND TERMINATIONS WERE REPORTED TO THE FINANCE DEPARTMENT. PAYROLLS AND REQUISITIONS WERE MADE UP AND DELIVERY SLIPS FORWARDED. SOCIAL SECURITY NUMBERS WERE OBTAINED FOR ALL EMPLOYEES IN THIS DEPARTMENT AND FORWARDED TO THE CITY CONTROLLER'S OFFICE.

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

RESPECTFULLY SUBMITTED

GILBERT SMALL
CHIEF OF THE ENGINEERING OFFICE.

CONSTRUCTION AND MAINTENANCE DIVISION

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

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING ACTIVITIES OF THE CONSTRUCTION AND MAINTENANCE DIVISION FOR THE YEAR ENDING SEPTEMBER 30, 1955. 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 CHIEF ACTIVITIES OF THE SECTIONS OF THIS DIVISION DURING THE FIRST THREE MONTHS OF THIS FISCAL YEAR WERE CONCENTRATED ON THE COMPLETION OF THE REHABILITATION WORK RESULTING FROM THE HURRICANES OF AUGUST 31, AND SEPTEMBER 11, 1954; THE MAJOR PORTION BEING COMPLETED BEFORE NEW YEARS DAY.

THE EXPENDITURES OF THE ADMINISTRATION SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$8,586.90
ITEM 1 SERVICES OTHER THAN PERSONAL	740.80
ITEM 2 MATERIALS AND SUPPLIES	2.80
ITEM 5 CAPITAL OUTLAY	<u>7.91</u>
TOTAL	\$9,338.41

HIGHWAY SECTION

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

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

THE EXPENDITURES OF THE HIGHWAY SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$639,364.87
ITEM 1 SERVICES OTHER THAN PERSONAL	189,274.97
ITEM 2 MATERIALS AND SUPPLIES	95,038.37
ITEM 5 CAPITAL OUTLAY	<u>0.00</u>
TOTAL	\$923,678.21

TOTAL REVENUE \$29,595.08

STREETS REPAIRED AND SURFACED OR RESURFACED

RHODE ISLAND AVENUE	BUTLER AVE. TO PATERSON STREET
ROGERS STREET	POWER ST. TO WILLIAMS STREET
EAST STREET	WICKENDEN ST. TO WILLIAMS STREET
WOODBURY STREET	MORRIS AVE. TO COLE AVENUE
FOSDYKE STREET	MORRIS AVE. TO WOODRURY STREET
LORRAINE AVENUE	PRESIDENT AVE. TO LAUREL AVENUE
MEETING STREET	THAYER ST. TO HOPE STREET
MOUNT AVENUE	COLE AVE. TO BLACKSTONE BOULEVARD
UNIVERSITY AVENUE	ARLINGTON AVE. TO BLACKSTONE BOULEVARD
VASSAR STREET	MORRIS AVE. TO ELMGROVE AVENUE
EAMES STREET	MORRIS AVE. TO STADIUM ROAD
SLATER AVENUE	FREEMAN PARKWAY TO ROCHAMBEAU AVENUE
STADIUM ROAD	EMELINE ST. TO SESSIONS STREET
EMELINE STREET	MORRIS AVE. TO ELMGROVE AVENUE
LINCOLN AVENUE	COLE AVE. TO BLACKSTONE BOULEVARD
DOUBLDON STREET	SOUTH WATER ST. TO SOUTH MAIN STREET
LLOYD AVENUE	HOPE ST. TO PROSPECT STREET
BOWEN STREET	CONGDON ST. TO HOPE STREET
HAYDEN STREET	WASHINGTON ST. 25' N. TOWARDS FOUNTAIN STREET
COOKE STREET	ANGELL ST. TO POWER STREET
MANNING STREET	HOPE ST. TO THAYER STREET
ARMSTRONG AVENUE	EAST ST. TO BROOK STREET
THAYER STREET	WATERMAN ST. TO TRANSIT STREET
BURLINGTON STREET	SUMMIT AV. TO HOPE STREET
LIPPITT STREET	NORTH MAIN ST. TO DWIGHT STREET
SACKETT STREET	BROAD ST. TO ELMWOOD AVENUE
ADELAIDE AVENUE	ELMWOOD AVE. TO RESERVOIR AVENUE
HUMES STREET	ALGONQUIN ST. TO 100 FT. SOUTHERLY
COLFAX STREET	RUGBY ST. TO BROAD STREET
WISE COURT	WILLOW ST. TO DEAD END
CHAMPLAIN PLACE	WILLOW ST. TO DEAD END
WASHINGTON AVENUE	NARRAGANSETT BLVD. TO MICHIGAN AVENUE
ALABAMA AVENUE	NARRAGANSETT BLVD. TO MICHIGAN AVENUE
MAGDALENE STREET	POCASSET AVE. TO LAUREL HILL AVENUE
CALHOUN AVENUE	POTTERS AVE. TO HUNTINGTON AVENUE
BATTEY STREET	WESTMINSTER ST. TO BROADWAY
SISSON STREET	CHALKSTONE AVE. TO ALMIRA STREET
WHITTEMORE PLACE	WILLOW ST. TO DEAD END
MODENA AVENUE	SMITH ST. TO LOTUS PLACE
WHITFORD AVENUE	RIVER AVE. TO SMITH STREET

STREETS STARTED 1953-1954; COMPLETED 1954-55;

HAZARD AVENUE	MORRIS AVE. TO ELMGROVE AVENUE
LAUREL AVENUE	ARLINGTON AVE. TO ELMGROVE AVENUE
FREEMAN PARKWAY	ARLINGTON AVE. TO ELMGROVE AVENUE
ANGELL STREET	BUTLER AVE. TO RIVER ROAD
WICKENDEN STREET	EAST ST. TO GANO STREET

PATCHING AND REPAIRING SUNDRY STREETS

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

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

MATERIALS USED ON GENERAL PATCHING AND REPAIRING WERE AS FOLLOWS:

READY MIX CONCRETE	81 CU.YOS.	CRUSHEO STONE 2"	214 TONS
HOT PATCH	264 TONS	KEROSENE	2220 GALS.
COLO PATCH	347.7 TONS	SAND	306 TONS
A.C.MIX	2387 TONS	BANK GRAVEL	399.87 TONS

MATERIALS USED ON SURFACING AND RESURFACING WERE AS FOLLOWS:

READY MIX CONCRETE	57 CU.YOS.
A.C. MIX	16007.44 TONS
SOLUBLE C OIL	385 GALS.
CEMENT	100 BAGS
CRUSHEO STONE 2"	412.75 TONS
KEROSENE	6780 GALS.
SAND	1168 TONS

SIDEWALKS

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

CEMENT	900 BAGS
GRAVEL 1 1/2"	301.25 TONS
SAND	300 TONS

DRIVEWAYS AND CURBING

DRIVEWAYS CONSTRUCTED	334
DRIVEWAYS WIDENED	41
DRIVEWAYS CLOSED	16
DRIVEWAYS RELOCATED	25
2 FT. CIRCULAR CORNERS SET	604
8 9 CORNERS SET	74
7 INCH CURB SET	2725 LIN. FT.
CURB SET AND RESET	16233 LIN. FT.

MISCELLANEOUS WORK

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

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

1. GRAZING BASEBALL FIELDS AT THE FOLLOWING GROUNDS:

CYPRESS ST. PLAYGROUND, FOX POINT PLAYGROUND, RICHARDSON ST. PLAYGROUND, VALLEY ST. PLAYGROUND, LAUREL HILL PLAYGROUND, DEXTER TRAINING GROUNDS, NEUTACONKANUT PARK, HOPKINS PARK, JOSEPH WILLIAMS FIELDS, 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, QUAIN ST. PLAYGROUND, GARIBALDI PLAYGROUND, RIDGE ST. PLAYGROUND, AND MUNICIPAL GOLF COURSE.

2. REPAIRING ROADS AND WALKS AT MUNICIPAL DOCK AND HAULING FILL FOR GANO STREET AND FIELDS POINT DUMPS.
3. GRADED DUMPS AT FIELDS POINT, MURRAY STREET, GANO STREET, MT. PLEASANT AVENUE AND SMITH STREET.
4. HELPED TO REPAIR EQUIPMENT AT INCINERATOR AND SEWAGE DISPOSAL WRKS.
5. ERECTED AND REMOVED BANDSTANDS FOR COLUMBUS DAY, ARMISTICE DAY, MEMORIAL DAY AND LABOR DAY CELEBRATIONS; ALSO FOR VARIOUS VETERANS AND CIVIC ORGANIZATIONS FOR DEDICATIONS AND MEMORIALS.
6. DECORATED CITY FOR CHRISTMAS AND FOURTH OF JULY CELEBRATIONS.
7. SET UP AND REMOVED EQUIPMENT AT THE VARIOUS VOTING PLACES IN THE CITY FOR THE BOARD OF CANVASSERS.
8. REMOVED RUBBISH FROM CITY HALL.
9. REPAIRED 300 WATER AND DRAIN OPENINGS.
10. REPAIRED FENCE AT BOWDOIN STREET AND ATWELLS AVENUE.
11. CONSTRUCTED PARKING AREA AT CHAPIN HOSPITAL.
12. CONSTRUCTED PARKING AREA AT SESSION STREET PLAYGRDUND.
13. CONSTRUCTED ROADS AND PARKING AREAS AT INCINERATOR.
14. CONSTRUCTED PARKING AREAS AND WALKS AT FORESTRY BUILDING, ROGER WILLIAMS PARK.
15. REPAIRED WATER MAIN AT MUNICIPAL DOCK.

LAWNS AND GRASS PLATS

COHAN BOULEVARD	SEWAGE DISPOSAL GROUNDS
OAKLAND AVENUE	EDDY AND SHIP STREETS
KINSLEY AVENUE	CHAD BRDWN 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 ALL CITY-OWNED BRIDGES.

THE EXPENDITURES OF THE SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$39,429.46
ITEM 1 SERVICES OTHER THAN PERSONAL	4,791.72
ITEM 2 MATERIALS AND SUPPLIES	<u>6,701.11</u>

TOTAL \$50,922.29

REVENUE \$587.76

THERE ARE 57 CITY-OWNED BRIDGES, OF WHICH THE FOLLOWING 21 REQUIRED REPAIR WORK THIS YEAR:

ACORN ST. BRIDGE	ROGER WILLIAMS AVE. BRIDGE	PARK ST. BRIDGE
SMITH ST. BRIDGE	DELAINÉ ST. BRIDGE	RED BRIDGE
OLNEYVILLE EXPRESSWAY	WEST RIVER ST. BRIDGE	CHARLES ST. R R BRIDGE
HARRIS AVE. OVERPASS	LELANO ST. BRIDGE	POINT ST. VIAOUCT
PLAINFIELD ST. OVERPASS	MERINO BRIDGE (GLENDRIDGE)	MANTON BRIDGE
MAGNOLIA ST. OVERPASS	MERINO PARK FOOTBRIDGE	MILL ST. BRIDGE
POINT ST. BRIDGE	NASH LANE BRIDGE (PETTIS ST.)	COURT HOUSE BRIDGE

ALSO THE FOLLOWING WORK WAS DONE:

1. REPAIRED SIDEWALKS ON THE FOLLOWING BRIDGES: RED, POINT, GLENDRIDGE AVE., ROGER WILLIAMS AVE., PARK ST., SMITH, SMITHFIELD AVENUE.
2. REPAIRED ROADWAYS ON POINT ST. DELAINÉ ST. ACORN ST. AND LIVINGSTON ST. BRIDGES.
3. REPAIRED LELANO STREET AND MERINO PARK FOOTBRIDGES.
4. CAULKED AND PAINTED BOAT FOR RED BRIDGE AND POINT STREET BRIDGE.
5. REPAIRED FLOATING DOCK AT POINT STREET BRIDGE.
6. REBUILT PARK STREET BRIDGE ROADWAY AND WEST RIVER STREET BRIDGE ROADWAY.
7. RAISED HARBOR MASTER'S BOAT AND THE FLOATING DOCK AT POINT STREET BRIDGE.
8. INSTALLED NEW WOOD SILLS AT DOORS OF OLD INCINERATOR.
9. BUILT PUMP HOUSE AT SEWAGE DISPOSAL PLANT.
10. REPAIRED HARBOR MASTER'S BUILDING.
11. COMPLETED REPAIRS ON POINT STREET AND RED BRIDGES.

THE HURRICANES ADDED MATERIALLY TO THE WORK LOAD OF THIS SECTION. MOST OF THE REHABILITATION REQUIRED WAS LOCATED MAINLY ON THE POINT STREET AND RED BRIDGES. 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 HARBOR MASTER'S BUILDING, THE MERINO FOOTBRIDGE, THE LELANO STREET FOOTBRIDGE, PARK STREET BRIDGE, LIVINGSTONE 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. ALL WORK WAS COMPLETED BEFORE DECEMBER 31, 1954.

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	514,981.40
ITEM 1 SERVICES OTHER THAN PERSONAL	2,080.44
ITEM 2 MATERIALS AND SUPPLIES	605.73
ITEM 5 CAPITAL OUTLAY	<u>125.00</u>

TOTAL \$17,792.57

REVENUE

SIDEWALK CONTRACTORS LICENSES - \$730.00

THE OPERATIONS OF THE SECTION WERE AS FOLLOWS:

SIDEWALK CONTRACTORS' LICENSES ISSUED	76
NOTICES SERVED TO BUILD OR REPAIR	480
BUILT OR REPAIRED WALKS	263
PERMITS TO BUILD OR REPAIR ISSUED	867
SEWER OPENINGS INSPECTED	189
DRIVEWAYS INSPECTED	242
MEMORIAL SQ. SIGNS REPAINTED AND RELETTERED	43
MEMORIAL SQUARES APPROVED BY COUNCIL	1
STREETS ABANDONED BY COUNCIL AND SIGNS ERECTED	14
WASHOUT DEPRESSIONS INSPECTED	231
SIDEWALK CLAIMS INVESTIGATED	24
STREET SIGNS REPAINTED AND RELETTERED	110
POLE OPENINGS INSPECTED	167
TOTAL LIN. FT. OF TAR CONCRETE SIDEWALKS BUILT	35180
TOTAL LIN. FT. OF CEMENT CONCRETE SIDEWALKS BUILT	29949

THIS SECTION SUPERVISED THE REPAIRING OF SIDEWALKS DUE TO HURRICANE DAMAGE.

298 SIDEWALKS REPAIRED BY SIX LICENSED AND BONDED CONTRACTORS.

116 SIDEWALKS REPAIRED BY HIGHWAY DEPARTMENT

414 TOTAL

THIS SECTION IS CONTINUALLY REPLACING ALL DEFECTIVE STREET SIGNS WITH NEW BLACK AND WHITE METAL SIGNS AND 580 SIGNS WERE ERECTED THIS YEAR.

FORESTRY SECTION

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

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	54,363.90
ITEM 1 SERVICES OTHER THAN PERSONAL	8,773.51
ITEM 2 MATERIALS AND SUPPLIES	3,693.26
ITEM 5 CAPITAL OUTLAY	<u>225.50</u>

TOTAL \$67,056.17

REVENUE \$7,408.92

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

TOTAL NUMBER OF SHADE TREES ON CITY STREETS	27,234
MAPLE TREES (ALL TYPES)	20,651
ELM TREES	4,746
OAK TREES (ALL TYPES)	539
MISCELLANEOUS (ALL OTHER TREES)	1,298

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

TREES 25 TO 50 FEET TALL	85.1%	23,176
TREES OVER 50 FEET TALL	4.2%	1,144
TREES UNDER 25 FEET TALL	10.7%	2,914

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

THERE ARE APPROXIMATELY 370 OF THESE DISEASED ELM TREES IN THE CITY, 190 BEING ON PRIVATE PROPERTY. THIS SECTION, CHARGED WITH THE REMOVAL AND DESTRUCTION OF THESE TREES HAS BEEN ASSISTING THE PROPERTY OWNERS TO ELIMINATE THIS CONDITION. FIFTY PER CENT OF THE 354 TREES REMOVED THIS YEAR WERE DISEASED ELMs.

THE NEW GRADALL AND SKIWORKER HAVE MATERIALLY HELPED THIS OPERATION.

THE NEW BUILDING AT THE NURSERY SITE IN ROGER WILLIAMS PARK IS NEARING COMPLETION. UPON OCCUPANCY, ALL ACTIVITIES OF THE SECTION WILL BE IN ONE LOCATION FACILITATING MUCH BETTER CONTROL.

THE NURSERY AT ROGER WILLIAMS PARK CONSISTS OF PIN OAKS AND UPRIGHT MAPLES. THE CULTIVATION AND GROWTH OF THESE TREES IS 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 2,446 TREES IN THE NURSERY.

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

NUMBER OF TREES PRUNED	2,446
NUMBER OF TREES REMOVED	354
NUMBER OF TREES SPRAYED	9,361
NUMBER OF TREES PLANTED	533

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:

8,110 TONS OF SAND
 652 TONS OF SALT

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$55,574.97
ITEM 1 SERVICES OTHER THAN PERSONAL	31,183.27
ITEM 2 MATERIALS AND SUPPLIES	<u>22,937.99</u>
TOTAL	\$109,696.23

SEWER CONSTRUCTION AND MAINTENANCE SECTION

THIS SECTION IS RESPONSIBLE FOR THE INSPECTION, MAINTENANCE, CLEANING, REPAIRS, CONSTRUCTION AND RECONSTRUCTION OF THE SEWERS AND SEWER APPURTENANCES SUCH AS MANHOLES, CATCH BASINS, INLETS, ETC. OF THE SEWER SYSTEM.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$283,070.06
ITEM 1 SERVICES OTHER THAN PERSONAL	67,205.92
ITEM 2 MATERIALS AND SUPPLIES	<u>14,872.48</u>
TOTAL	\$365,148.46
REVENUE	\$38,712.91

MAINTENANCE AND CONSTRUCTION WORK PERFORMED

FOLLOWING IS AN OUTLINE OF THE WORK:

BROKEN MANHOLE FRAMES AND COVERS REPLACED	4
MANHOLES REPAIRED	21
CATCH BASIN FRAMES AND COVERS REPLACED	1
NEW CATCH BASINS BUILT	1
BROKEN INLET STONES REPLACED	18
HOUSE CONNECTIONS AND SEWER LINES REPAIRED	26
GUTTER GRATES REPAIRED	6
CHUTES REBUILT AND REPAIRED	19

OTHER CONSTRUCTION AND MAINTENANCE WORK PERFORMED

REHABILITATED SOUTH CHANNEL SEWAGE DISPOSAL PLANT.
 WORKED ON THE REPAIR OF THREE FINAL EFFLUENT TANKS IN SEWAGE DISPOSAL PLANT.
 BUILT BRICK ENCLOSURE FOR FUEL OIL TANK IN HIGHWAY YARD.
 CLEARED OUTLET FOR DISCHARGE OF WATER FROM RHODE ISLAND HOSPITAL POND.
 BUILT CATCH BASIN IN RHODE ISLAND HOSPITAL YARD.
 CLEARED CULVERT FOR MASHAPAUG BROOK AT RESERVOIR AVENUE.

REPORT ON OIL AND GASOLINE INSPECTIONS

PERTAINING TO FLOOR DRAINS IN SERVICE STATIONS, FACTORIES AND OTHER PLACES OF BUSINESS, THE INSPECTOR MADE 1509 VISITS AND DISCOVERED VERY FEW INFRACTIONS OF THE LAW. AFTER BEING NOTIFIED TO MAKE NECESSARY IMPROVEMENTS THE DEFICIENCIES WERE PROMPTLY CORRECTED.

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

COMPLAINTS RECEIVED

8966 BASINS CLEANED	20,496.03 CU.YDS.
88 SUMPS CLEANED	179.00 CU.YDS.
829 GUTTER GRATES CLEANED	641.60 CU.YDS.
1285 COMPLAINTS RECEIVED	ALL CLEARED
LINES FLUSHED	32,620 FEET

STREET OPENINGS

NUMBER OF STREET OPENINGS FOR PRIVATE DRAIN CONNECTIONS - 74

WORK PERFORMED IN CONJUNCTION WITH HIGHWAY SECTION

BASINS BROUGHT TO GRADE	14
MANHOLES BROUGHT TO GRADE	541

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 THIS 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.

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	377,171.90
ITEM 1 SERVICES OTHER THAN PERSONAL	7,955.86
ITEM 2 MATERIALS AND SUPPLIES	2,277.41
ITEM 5 CAPITAL OUTLAY	57.50
ITEM 6 OTHER STRUCTURES AND IMPROVEMENTS	6,980.00

TOTAL \$94,442.67

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

1. SUPERVISED REPAIRS AND ADDITIONS TO ALL THE BUILDINGS OF THE SCHOOL DEPARTMENT, POLICE AND FIRE DEPARTMENTS, RECREATION DEPARTMENT, TRAFFIC ENGINEERS DEPARTMENT, WELFARE DEPARTMENT, BATH HOUSES, COMFORT STATIONS, AND CITY HALL.
2. SUPERVISED THE CONSTRUCTION OF THE NEW MUNICIPAL GARAGE AT ALLENS AVENUE AND ERNEST STREET.
3. PERFORMED GENERAL REPAIR WORK AND PAINTING ON SIXTY-ONE PUBLIC BUILDINGS.

4. PERFORMED GENERAL REPAIR WORK ON TEN BATH HOUSES.
5. PERFORMED GENERAL REPAIR WORK ON THE THREE POLICE STATIONS AND SEVEN FIRE STATIONS.
6. SUPERVISED DRAWINGS AND SPECIFICATIONS FOR NEW SOUTH PROVIDENCE ELEMENTARY SCHOOL.

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 SECTION.

ALL AUTOMOTIVE, CONSTRUCTION AND MAINTENANCE EQUIPMENT IS FURNISHED TO THE SECTION REQUIRING ITS USE ON A RENTAL BASIS. THESE RENTAL PAYMENTS ARE SHOWN AS RECEIPTS IN THE REVOLVING FUNDS WHICH TOGETHER WITH THE MONEY RECEIVED FOR STOCK ORDERS AND JOB ORDERS, COMPRISE THE MONEY USED FOR DEFRAYING THE OPERATING EXPENSES AND PURCHASE 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	BRIDGE MAINTENANCE SECTION.
PUBLIC SERVICE DIVISION	SNOW REMOVAL SECTION
ENGINEERING DIVISION	FORESTRY SECTION
BUSINESS MANAGEMENT DIVISION	SIDEWALK AND CURBING SECTION
HIGHWAY 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.YO.
21 PASSENGER CARS	2 SHOVELS 3/4 CU.YD.
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	19 TAIL GATE SPREADERS
2 HOIST TRUCKS 1500#	80 SNOW PLOWS
1 HOIST TRUCK 3000#	1 50-TON TRAILER
2 BULLDOZERS TD 18	2 TRACTORS
1 SKY WORKER	2 10-TON 3 WHEEL ROLLERS
	2 WALTERS SNOW FIGHTERS

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

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

6 6 YD. BODY DUMP TRUCKS	2 WALTER SNOW FIGHTERS
1 STREET SWEEPER	6 PASSENGER CARS
2 AIR COMPRESSORS	3 5-TON DUMP TRUCKS
1 BULLDOZER TD 18	1 GRADER
8 FLINK SAND SPREADERS	7 SNOW PLOWS

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

1 CLARK HOIST	AUTOMOTIVE REPAIR SHOP
1 AIR COMPRESSOR	PAINT SHOP
1 INSLEY CRANE	SEWAGE DISPOSAL WORKS
1 EMERGENCY MOTOR AND GENERATOR	POINT STREET BRIDGE
1 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, BLACKSMITH, PAINT 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 \$73,500.13 IN MATERIALS, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1955.

SEWER CONSTRUCTION AND MAINTENANCE SHOPS AND STORES

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

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

A LIST OF AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

4 EDUCTORS	4 AIR COMPRESSORS
3 DERRICK TRUCKS	2 CENTRIFUGAL PUMPS (6 IN)
3 PASSENGER CARS	1 CENTRIFUGAL PUMP (4 IN)
4 DUMP TRUCKS	2 CENTRIFUGAL PUMPS (3 IN)
2 CARGO TRUCKS (2 TON)	1 DIAPHRAM PUMP (3 IN)
1 CARGO TRUCK (1 TON)	1 DIAPHRAM PUMP (1½ IN)
1 PICKUP TRUCK	1 SEWER CLEANING MACHINE

1 SET OF SEWER WENCHES

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

DURING THE YEAR THE FOLLOWING EQUIPMENT WAS PURCHASED:

1 SET OF SEWER WENCHES	1 CARGO TRUCK (1 TON)
1 CARGO TRUCK (2 TON)	1 SEWER ROD POWER DRIVE

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 \$15,145.11 IN MATERIALS, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1955.

RECOMMENDATIONS

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

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

1 EDUCTOR (FOR CLEANING BASINS) TO REPLACE 1938 MODEL.

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

LELAND STREET FLOTTING DOCK SHOULD BE REBUILT. THE FLOTTING DOCK AT THE HARBOR MASTER'S WHARF AT POINT AND SOUTH WATER STREETS IS COMPLETELY GONE AND A NEW ONE SHOULD BE BUILT.

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

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

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

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

RECOMMEND THAT ONE OF THE FIVE ROAD GRADERS BE REPLACED. FOUR OF THESE REQUIRE EXTENSIVE REPAIRS AND THE STEPPED UP REPLACEMENT PLAN SHOULD CONTINUE SO AS TO CUT DOWN THE COST OF OPERATION. ONE GRADER WAS REPLACED THIS YEAR.

ONE 1935 GMC DUMP TRUCK AND NINE 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 TOOL WAGONS USED BY THE CONSTRUCTION GANGS OF THE HIGHWAY SECTION ARE IN POOR CONDITION; THE WHEELS ARE BROKEN AND BEING OF AN OBSOLETE TYPE IT IS IMPOSSIBLE TO REPLACE THEM. SIX STEEL TRAILER TYPE TOOL WAGONS MOUNTED ON PNEUMATIC TIRE WHEELS SHOULD BE PURCHASED TO REPLACE THE OLD WAGONS.

THE HIGHWAY SECTION IS USING FIVE 10 TO 12 TON TANDEM ROAD ROLLERS. ONE OF THESE ROLLERS IS IN VERY POOR CONDITION AND SHOULD BE REPLACED.

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

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

THE 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.

THE 50-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 25-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 1954-55. 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	\$8586.90
ITEM 1 SERVICES OTHER THAN PERSONAL	803.75
ITEM 2 MATERIALS AND SUPPLIES	35.43
TOTAL	\$9426.08

STREET CLEANING SECTION

THIS SECTION IS RESPONSIBLE FOR THE CLEANING OF ALL STREETS AND HIGHWAYS WITHIN THE CITY. THE MAINTENANCE AND CARE OF ALL THE TRASH CANS SITUATED BOTH DOWNTOWN AND IN THE OUTLYING SECTIONS OF THE CITY COMES WITHIN THE SCOPE OF THIS SECTION.

THE STREETS IN THE DOWNTOWN SECTION OF THE CITY, BOUNDED BY DYER STREET, SOUTH MAIN STREET, WASHINGTON ROW, UNION STATION, WEST EXCHANGE STREET, ABORN STREET, EMPIRE STREET, CHESTNUT STREET AND CLIFFORD STREET ARE CLEANED DAILY.

THE FOLLOWING STREETS ARE ALSO CLEANED DAILY:

BROADWAY FROM LASALLE SQUARE TO OLNEYVILLE SQUARE
WESTMINSTER STREET FROM EMPIRE STREET TO HOYLE SQUARE
WEYBOSSET STREET FROM EMPIRE STREET TO CATHEDRAL SQUARE
BROAD STREET FROM EMPIRE STREET TO TRINITY SQUARE
ATWELLS AVENUE FROM ABORN STREET TO RAILROAD BRIDGE
POCASSET AVENUE FROM OLNEYVILLE SQUARE TO CITY LINE
WILLARD AVENUE FROM BAY STREET TO PRAIRIE AVENUE
RANDALL STREET FROM CHARLES STREET TO NORTH MAIN STREET
SMITH STREET FROM STATE HOUSE TO OAKLAND AVENUE
DOUGLAS AVENUE FROM ADMIRAL STREET TO MOWRY STREET
PLAINFIELD STREET FROM HARTFORD AVENUE TO WEBSTER AVENUE

GAY STREET FROM WILLARD AVENUE TO BLACKSTONE STREET
 NORTH MAIN STREET FROM COLLEGE HILL TO MILL STREET
 CHARLES STREET FROM RAILROAD BRIDGE TO CITY LINE
 SOUTH MAIN STREET FROM COLLEGE HILL TO POINT STREET
 WICKENDEN STREET FROM EAST STREET TO IVES STREET
 IVES STREET FROM WICKENDEN STREET TO POWER STREET
 GOVERNOR STREET FROM WICKENDEN STREET TO POWER STREET
 WAYLAND AVENUE FROM WATERMAN STREET TO ANGELL STREET
 SOUTH ANGELL STREET FROM WAYLAND AVENUE TO BUTLER AVENUE
 BUTLER AVENUE FROM SOUTH ANGELL STREET TO WATERMAN STREET
 ANGELL STREET FROM BUTLER AVENUE TO WAYLAND AVENUE

THE FOLLOWING SQUARES ARE ALSO CLEANED DAILY:

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

A CREW OF MEN WITH HAND BROOMS AND HAND PUSH BARRELS ARE ASSIGNED TO THE DOWNTOWN AREA AND THE OUTLYING SECTIONS OF THE CITY TO KEEP THIS SECTION FREE OF DEBRIS.

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

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

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

A NEW DUAL GUTTER BROOM SWEEPER WAS PURCHASED AND PUT IN SERVICE. THIS SWEEPER IS CAPABLE OF CLEANING GUTTERS FROM EITHER SIDE OF THE SWEEPER, AND IS ADVANTAGEOUS ON ONE WAY STREETS.

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

AN EMERGENCY CREW WAS ON DUTY 24 HOURS A DAY TO HANDLE COMPLAINTS FROM THE GENERAL PUBLIC AND TO CORRECT CONDITIONS OUTLINED IN POLICE REPORTS.

A SUMMARY OF OPERATIONS FOR THIS SECTION FOLLOWS:

HAND BROOM SWEEPING BY SPECIAL GANGS	308 MILES
BEAT PATROL - ASSIGNED ROUTES	10,995 MILES
MACHINE BROOM SWEEPING	20,465 MILES
AMOUNT COLLECTED BY HAND BROOM SWEEPING	5080 TONS
AMOUNT COLLECTED BY BEAT PATROL AND STREET CONTAINERS	5698 TONS
AMOUNT COLLECTED BY MACHINE SWEEPING	9758 TONS

THE EXPENDITURES FOR THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$298,591.84
ITEM 1 SERVICES OTHER THAN PERSONAL	79,831.52
ITEM 2 MATERIALS AND SUPPLIES	<u>2,143.88</u>
TOTAL	\$380,567.24

SEWAGE PUMPING STATION

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

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

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

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

1954	STATION #1 ERNEST STREET	STATION #2 WASHINGTON PARK	STATION #3 RESERVOIR AVENUE	TOTAL
OCTOBER	1592.0	12.0	2.0	1606.0
NOVEMBER	1432.0	12.0	2.0	1446.0
DECEMBER	1264.0	12.0	2.0	1278.0
1955				
JANUARY	1311.0	12.0	2.0	1325.0
FEBRUARY	1541.0	12.0	2.0	1555.0
MARCH	1995.0	13.0	3.0	2011.0
APRIL	1348.0	12.0	2.0	1362.0
MAY	1253.0	12.0	2.0	1267.0
JUNE	1252.0	12.0	2.0	1266.0
JULY	1309.0	12.0	2.0	1323.0
AUGUST	1557.0	13.0	3.0	1573.0
SEPTEMBER	1242.0	12.0	2.0	1256.0
TOTALS	17096.0	146.0	26.0	17268.0

SEWAGE PUMPING STATION

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

1954	K.W.H.
OCTOBER	209200
NOVEMBER	189500
DECEMBER	165900
1955	
JANUARY	167200
FEBRUARY	203800
MARCH	279400
APRIL	227700
MAY	193500
JUNE	208100
JULY	208300
AUGUST	257700
SEPTEMBER	223500

DURING THE FISCAL YEAR, THE LARGE ELECTRIC MOTORS OF THE SEWAGE PUMPS WERE DISMANTLED AND CHECKED, CLEANED AND REPAIRED WHERE NECESSARY. THESE MOTORS HAD BEEN IN OPERATION FOR OVER TWENTY YEARS.

THE VENTURI METERS AND RECORDERS WERE COMPLETELY OVERHAULED AND REPAIRED.

NEW BEARINGS WERE INSTALLED IN THE 60 MGD SEWAGE PUMP.

A NEW 36-INCH GATE VALVE WAS INSTALLED IN THE DISCHARGE LINE OF THE 60 MGD PUMP TO REPLACE A BROKEN VALVE.

A NEW SHAFT AND SLEEVE WAS INSTALLED IN THE 40 MILLION GALLON PUMP.

EXPENDITURES FOR THE FISCAL YEAR WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$49,840.95
ITEM 1 SERVICES OTHER THAN PERSONAL	1,017.36
ITEM 2 MATERIALS AND SUPPLIES	<u>4,017.30</u>
TOTAL	\$54,875.61

SEWAGE DISPOSAL WORKS.

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

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

POPULATION SERVED BY THE DISPOSAL WORKS (ESTIMATED)

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

SEWAGE FLOW:

PROVIDENCE	16,265.37 MILLION GALLONS
PAWTUCKET	400.00 MILLION GALLONS (ESTIMATED)
NORTH PROVIDENCE	2,148.64 MILLION GALLONS
NARRAGANSETT BREWING CO.	<u>69.25</u> MILLION GALLONS
TOTAL FLOW	18,883.86 MILLION GALLONS

SUMMARY OF OPERATIONS:

TOTAL FLOW OF SEWAGE	18,883.86 M.G.
AVERAGE DAILY FLOW	51.77 M.G.
MAXIMUM DAILY FLOW (MARCH 22, 1955)	126.93 M.G.
MINIMUM DAILY FLOW (DECEMBER 5, 1954)	30.70 M.G.
TOTAL AIR USED FOR AERATION	5,662.98 M.C.F.
CALCIUM HYPOCHLORITE USED	3,693.14 TONS
CHLORINE AS HYPOCHLORITE	288.21 TONS
LIQUID CHLORINE	202.21 TONS
TOTAL CHLORINE USED	490.42 TONS
FERRIC CHLORINE USED	44.20 TONS
LIME	137.78 TONS
GRIT AND SCREEN REMOVALS	4,572.00 TONS

SLUDGE INCINERATED	10,171.10 TONS
ASH REMOVED FROM INCINERATOR	692.80 TONS
FUEL OIL USED IN INCINERATOR (No.5)	83,655.00 GALS.

ELECTRIC POWER USED:

	FROM THE NARRAGANSETT ELECTRIC COMPANY	FROM THE INCINERATOR
1954	K.W.H.	K.W.H.
OCTOBER	78,000	281,500
NOVEMBER	56,000	249,800
DECEMBER	54,400	291,600
1955		
JANUARY	62,400	250,800
FEBRUARY	47,600	161,900
MARCH	30,000	163,300
APRIL	20,000	50,300
MAY	14,000	135,600
JUNE	20,800	275,500
JULY	67,200	240,400
AUGUST	54,400	269,200
SEPTEMBER	16,000	278,400

EXPENDITURES FOR THE YEAR

ITEM 0 PERSONAL SERVICES	\$104,955.08
ITEM 1 SERVICES OTHER THAN PERSONAL	20,786.35
ITEM 2 MATERIALS AND SUPPLIES	101,191.02
ITEM 5 CAPITAL OUTLAY	619.66
TOTAL	\$227,552.11

BORINGS AND SOUNDINGS, AND INITIAL SURVEY WORK WAS CARRIED ON BY THE ENGINEERS, AND PROGRESS FOR THE RE-DESIGN OF THE DISPOSAL WORKS HAS REACHED THE POINT WHERE IT IS ANTICIPATED THAT CONSTRUCTION WORK ON THE EXPANSION AND REMODELING WILL START SOMETIME IN THE SPRING OF 1956.

DURING THE COURSE OF THE YEAR, VARIATION IN THE TREATMENT OF THE SEWAGE WAS CARRIED ON WITH THE OBJECT OF DETERMINING WHICH WOULD GIVE THE BEST RESULTS WITH THE FACILITIES AVAILABLE. IN JULY IT WAS DECIDED TO BY-PASS THE AERATION TANKS AND UTILIZE THE FINAL CLARIFIERS AS CHLORINE CONTACT TANKS. AN EXISTING CHANNEL, AT THE SOUTH END OF THE AERATION TANKS, WAS OPENED AND THE FLOW FROM THE PRIMARY CLARIFIERS WAS DIVERTED THROUGH THE CHANNEL. TO SUCCESSFULLY UTILIZE THIS PLAN AND USE THE FINAL CLARIFIERS AS CHLORINE CONTACT TANKS REQUIRED A CHANGE IN THE POINT OF APPLICATION OF THE CHLORINE, AS UNDER THE EXISTING SYSTEM CHLORINE WAS ADMINISTERED TO THE EFFLUENT FROM THE FINAL CLARIFIERS. UPON RECOMMENDATION OF THE ENGINEERS IT WAS DECIDED TO INSTALL CHLORINE SOLUTION PUMPS OF LARGER CAPACITY THAN THOSE CURRENTLY IN USE, AND APPLY THE CHLORINE AT THE ENTRANCE TO THE INFLUENT CHANNEL OF THE FINAL CLARIFIERS.

A SHELTER TO HOUSE THESE PUMPS WAS ERECTED BY CITY EMPLOYEES. AS DELIVERY TIME ON THE NEW PUMPS IS INDEFINITE, ALTERNATE PLANS OF CHLORINATION WERE PUT INTO OPERATION UNTIL SUCH TIME AS THE NEW SOLUTION PUMPS ARE INSTALLED. THE ALTERNATE METHOD OF CHLORINATION CONSISTS OF APPLYING LIME BLEACH AT APPROXIMATELY THE SAME POINT WHERE THE CHLORINE SOLUTION WILL BE APPLIED. A CONTROL SYSTEM HAS BEEN SET UP, WHERE BY THE USE OF A FLOAT CONTROL, THE AMOUNT OF LIME BLEACH MAY BE EASILY ADJUSTED TO MEET THE DEMAND AND FLOW REQUIREMENTS. A FINAL SHOT OF LIQUID CHLORINE IS GIVEN THE FINAL EFFLUENT AS IT LEAVES THE PLANT. THE RESULTS FROM THE PRESENT COMBINED METHOD OF CHLORINATION, HAS GIVEN THE MOST SATISFACTORY RESULTS OBTAINED THUS FAR.

EARLY IN THE YEAR, THE METERING EQUIPMENT AT THE SEWAGE PUMPING STATION AND THE DISPOSAL WORKS WAS OVERHAULED AND RECALIBRATED. AS SOME OF THE METERS WERE RECORDING HIGHER RATES THAN THE ACTUAL FLOWS, THE TOTAL SEWAGE FLOW FOR THIS FISCAL YEAR IS LOWER THAN THAT OF RECENT YEARS.

ROUTINE MAINTENANCE AND REPAIR OF CLARIFIERS, DETRITORS, GRIT AND SLUDGE COLLECTION EQUIPMENT WAS CARRIED ON THROUGHOUT THE YEAR. THIS CONTINUES TO BE A PROBLEM DUE TO THE AGE OF THE MECHANISMS. ALL OF THIS EQUIPMENT, HOWEVER, WILL BE REPLACED WITH NEW TYPES WHEN THE DISPOSAL PLANT IS REBUILT.

THE PRIMARY SLUDGE PUMPS HAVE GIVEN CONSIDERABLE DIFFICULTY DURING THE PAST YEAR. NEW PARTS FOR THESE PUMPS TAKE FROM TWO TO SIX MONTHS TO OBTAIN AS THE COMPANY WHO MANUFACTURED THE PUMPS ORIGINALLY HAS DISCONTINUED THIS TYPE. HAVING ONE OR MORE OF THESE PUMPS OUT OF SERVICE CAUSES EXCESSIVE WEAR ON THE REMAINING PUMPS, ESPECIALLY DURING THE SEASON OF THE YEAR WHEN THE SAND IS MIXED WITH THE SLUDGE.

IT IS APPARENT AT THIS TIME THAT SOME SAVINGS ARE RESULTING FROM THE USE OF THE NEW TYPE FILTER CLOTHS AND STUDIES ARE TO BE CARRIED OUT FARTHER DURING THE NEXT YEAR.

REFUSE COLLECTION AND DISPOSAL

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

A DRIVER AND TWO LABORERS ARE ASSIGNED TO EACH TRUCK AND AN AVERAGE OF EIGHT TRUCKS ARE USED TO MAKE COLLECTIONS DAILY. THE TRUCKS HAVE A TOTALLY ENCLOSED BODY OF THIRTEEN CUBIC YARDS CAPACITY. ALL MATERIALS COLLECTED ARE DISPOSED OF AT THE CITY-OWNED DUMP ON GAND STREET. THE DUMPING AREA IS CONTROLLED AND NO COMBUSTIBLE REFUSE IS DISPOSED OF ON THE DUMP. AN ATTENDANT IS ON DUTY DURING THE DAY AND THE AREA IS LOCKED DURING THE NIGHT. A BULLDOZER IS USED TO LEVEL OFF ALL THE MATERIAL DUMPED.

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

<u>1954</u>	<u>AREA I</u>	<u>AREA II</u>	<u>AREA III</u>	<u>AREA IV</u>
OCTOBER	1040	1300	1404	1677
NOVEMBER	1053	1170	1417	1339
DECEMBER	1014	1391	1482	1300
<u>1955</u>				
JANUARY	1287	1521	1378	1378
FEBRUARY	1040	1522	1625	1084
MARCH	1417	1456	1547	715
APRIL	1534	1521	1014	1573
MAY	1118	1599	1300	1352
JUNE	1027	1594	1521	1162
JULY	1092	1248	1261	1079
AUGUST	910	1131	1274	1183
SEPTEMBER	1222	1339	1404	1222
TOTALS	13754	16596	16523	14944

THE TOTALS OF THE FOUR AREAS IS 61867 CUBIC YARDS WHICH IS ABOUT THE SAME AS THE TOTAL FOR THE LAST FISCAL YEAR.

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

ITEM 0 PERSONAL SERVICES	383,483.38
ITEM 1 SERVICES OTHER THAN PERSONAL	38,792.62
ITEM 2 MATERIALS AND SUPPLIES	0.00
TOTAL	\$122,276.00
<u>GARBAGE COLLECTION AND DISPOSAL</u>	

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

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

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

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

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

ITEM 0 PERSONAL SERVICES	\$466,956.73
ITEM 1 SERVICES OTHER THAN PERSONAL	122,527.08
ITEM 2 MATERIALS AND SUPPLIES	12,466.53
ITEM 3 SPECIAL ITEMS	80.55
TOTAL	\$602,030.89

YEARLY REPORT - FISCAL YEAR OCTOBER 1, 1954 - SEPTEMBER 30, 1955.

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

1954	SEWAGE DISPOSAL	SEWAGE PUMPING	STATION POWER
OCTOBER	281,500	209,200	86,300
NOVEMBER	249,800	189,500	83,700
DECEMBER	291,600	165,900	97,500
<u>1955</u>			
JANUARY	250,800	167,200	94,000
FEBRUARY	161,900	203,800	88,300
MARCH	163,300	279,400	97,300
APRIL	50,300	227,700	91,000
MAY	135,600	193,500	102,900
JUNE	275,500	208,100	74,400
JULY	240,400	208,300	84,000
AUGUST	269,200	257,700	86,100
SEPTEMBER	278,400	223,500	83,100
	<u>2,648,300</u>	<u>2,533,800</u>	<u>1,068,600</u>
TOTAL POWER GENERATED			6,250,700
AVERAGE DAILY DISTRIBUTED LOAD			14,197
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE DISPOSAL PLANT			7,255
AVERAGE DAILY DISTRIBUTED LOAD TO PUMPING STATION			6,941
AVERAGE DAILY DISTRIBUTED LOAD USED AT INCINERATOR			2,927

THE FOLLOWING IS THE TOTAL GARBAGE AND RUBBISH DISPOSED OF BY THIS DEPARTMENT FROM OCTOBER 1954 TO SEPTEMBER 1955;

<u>1954</u>	<u>GARBAGE (TONS)</u>	<u>RUBBISH ESTIMATED (TONS)</u>
OCTOBER	3,195.50	871.90
NOVEMBER	3,417.10	889.00
DECEMBER	3,273.05	895.00
<u>1955</u>		
JANUARY	3,324.40	919.00
FEBRUARY	3,165.25	817.50
MARCH	2,842.86	1,935.38
APRIL	3,183.75	877.30
MAY	3,026.30	1,282.00
JUNE	5,999.00	2,535.90
JULY	2,737.12	3,228.95
AUGUST	3,061.20	3,247.85
SEPTEMBER	3,051.70	2,079.70
TOTALS	40,277.23	16,350.53
COMBINED TOTALS	56,627.76	

DAILY AVERAGE FOR COLLECTION BASED ON 313 WORKING DAYS.

GARBAGE	128.68 (TONS)
RUBBISH	52.23 "
TOTAL	180.91 (TONS)

DAILY AVERAGE FOR DISPOSAL BASED ON 365 WORKING DAYS.

GARBAGE	110.34 (TONS)
RUBBISH	44.79 "
TOTAL	155.13 (TONS)

DURING THE FISCAL YEAR, 51,021 GALLONS OF NO.6 FUEL OIL WERE USED TO MAINTAIN THE STEAM PRESSURE IN TIMES OF EMERGENCY OR MECHANICAL BREAKDOWN.

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

<u>1954</u>	<u>TONS</u>
OCTOBER	519.00
NOVEMBER	536.50
DECEMBER	519.00
<u>1955</u>	
JANUARY	528.00
FEBRUARY	466.50
MARCH	659.05
APRIL	492.70
MAY	646.50
JUNE	985.50
JULY	1,028.50
AUGUST	997.00
SEPTEMBER	858.95
	<u>8,237.20</u>

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

REPAIRED SYPHONS AND INSTALLED NEW PIPING.
 BUG UP AND INSTALLED NEW SEWER PIPES.

INSTALLED NEW HIGH PRESSURE STEAM LINE TO SYPHON.
 INSTALLED NEW BRICK WORK AROUND ASH CONVEYOR AND REPAIRED CEMENT FLOOR AROUND CONVEYOR.
 INSTALLED SUMP PUMP AND DRAIN LINES FROM LOWER CONVEYOR TO SEWER.
 RELOCATED WATER LINE FROM SLAG CHAMBER TO LOWER ASH CONVEYOR.
 THE CELLAR IN BOTH UNITS WERE GIVEN COATS OF PAINT.
 THE ELECTRIC LIGHTS AND WIRE WERE RENEWED IN THE CELLAR.
 A NEW DUFFER PLATE WAS INSTALLED IN THE GARBAGE HOPPER.
 THE BURNING GRATES IN THE INCINERATOR WERE SHORTENED.
 THE WATER LINES WERE RENEWED ON THE FORCED AND INDUCED FANS, AND THE DRAIN LINES WERE ALSO RENEWED.
 THE CONTROL BOX ON NO.1 CRANE WAS REPAIRED.
 BOTH BOILER ROOMS WERE PAINTED.
 TWENTY-TWO TUBES WERE REPLACED IN THE BOILER OF PLANT NO.2.
 WATER PUMPS, OIL PUMPS, FANS AND COMPRESSORS WERE PAINTED.
 THE CRANE IN NO.2 PLANT WAS REPAIRED AND PUT IN GOOD CONDITION.
 BOTH SMOKE STACKS WERE SCRAPED AND PAINTED.
 A NEW WATER LINE FROM NO.2 PLANT TO NO.1 PLANT WAS INSTALLED FOR USE IN THE TURBINES.

SANITATION SHOPS AND STORES REVOLVING FUND

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

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

A LIST OF THE EQUIPMENT IN THIS SECTION FOLLOWS:

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

DURING THE FISCAL YEAR, THE NEW BUILDING ON TERMINAL ROAD WAS COMPLETED AND THIS SECTION MOVED INTO THE NEW QUARTERS IN FEBRUARY 1955. THE NEW GARAGE AND REPAIR SHOP CONSISTS OF TWO AREAS: ONE, ONE HUNDRED FEET WIDE AND TWO HUNDRED FEET LONG, IS USED FOR THE STORAGE OF ALL EQUIPMENT, THE OTHER, ONE HUNDRED FEET WIDE AND ONE HUNDRED FEET LONG, IS USED FOR ALL REPAIRS AND STORAGE OF EQUIPMENT WHEN NECESSARY. ALL THE REPAIR WORK ON THE EQUIPMENT CANNOT BE DONE INSIDE AND THE REPAIR SHOP HAS ALL THE MODERN EQUIPMENT TO CARRY ON THIS WORK. A MACHINE SHOP IS PART OF THE REPAIR SHOP AND IT IS POSSIBLE FOR THIS SECTION TO MAKE AND REPAIR PARTS THAT HAVE BEEN PURCHASED OR REPAIRED BY OUTSIDE HELP. THE HEAT AND POWER FOR THE ENTIRE BUILDING IS FURNISHED BY THE GARBAGE INCINERATOR.

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

RECOMMENDATIONS

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

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

A MAINTENANCE CREW OF FIVE (5) MEN, ONE (1) FOREMAN, AND FOUR (4) 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.

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

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

AT THE PRESENT TIME THERE IS ONLY ONE PUMP ON THE COOLING WATER CIRCUIT AT THE INCINERATOR AND IF THIS FAILS AN EMERGENCY WOOKUP 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.

SANITATION DIVISION REVENUE

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

SEWAGE PUMPING SECTION	140.88
SEWAGE DISPOSAL SECTION	777.83
GARBAGE COLLECTION AND DISPOSAL SECTION	7876.84
REFUSE COLLECTION AND DISPOSAL SECTION	<u>577.92</u>

TOTAL \$9373.47

RESPECTFULLY SUBMITTED,

HOWARD F. CARPENTER
CHIEF OF SANITATION DIVISION.

PUBLIC SERVICE DIVISION

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

DEAR SIR:

I RESPECTFULLY SUBMIT THE FOLLOWING REPORT FOR THE REVENUE, EXPENDITURES AND OPERATION OF THE PUBLIC SERVICE DIVISION FOR THE FISCAL YEAR 1954-1955.

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	50	96	992
STATIONARY OPERATING ENGINEERS		49	811
REFRIGERATING MACHINE OPERATORS		2	35

REVENUE RECEIVED FROM LICENSES

BOILER OPERATORS	\$2464.00
STATIONARY OPERATING ENGINEERS	1867.00
REFRIGERATING MACHINE OPERATORS	80.00
TOTAL	<u>\$4411.00</u>

THE REVENUE OBTAINED FROM THE ABOVE LICENSES SHOWS A DECREASE UNDER THE PREVIOUS FISCAL YEAR OF \$807.00

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

BOILER OPERATORS	DECREASE	445
STATIONARY OPERATING ENGINEERS	INCREASE	81
REFRIGERATING MACHINE OPERATORS	INCREASE	31

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$13,859.10
ITEM 1 SERVICES OTHER THAN PERSONAL	1,388.47
ITEM 2 MATERIALS AND SUPPLIES	47.81
ITEM 5 CAPITAL OUTLAY	380.00
TOTAL	<u>\$15,675.38</u>

DEPARTMENT OF PUBLIC SAFETY

	<u>TOTAL</u>	<u>AERIAL</u>	<u>U.G.</u>	<u>QUICK ACTION</u>	<u>DOORS KEY</u>	<u>KEYLESS</u>
FIRE ALARM	905	547	358	881	11	13
OWNED BY CITY	655	394	261	655	0	0
PRIVATELY OWNED	250	153	97	226	11	13
POLICE BOXES	167	103	64			

TOTAL NUMBER OF ALL BOX AND CABLE PEDESTALS	333
TOTAL NUMBER OF ALL FIRE ALARM BOX PEDESTALS	231
TOTAL NUMBER OF ALL POLICE BOX PEDESTALS	67
TOTAL NUMBER OF ALL CABLE PEDESTALS ONLY	35
TOTAL NUMBER OF MILES OF UNDERGROUND CABLE	85.15
TOTAL NUMBER OF MILES OF PARKWAY CABLE	1.47
TOTAL NUMBER OF MILES OF AERIAL CABLE	3.52
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR-UNDERGROUND	1285.40
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR-PARKWAY	6.42
TOTAL NUMBER OF MILES OF SINGLE CONDUCTOR FIRE ALARM BOX CIRCUIT AERIAL WIRE	123.90
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR-AERIAL	46.27
TOTAL FOOTAGE OF ALL UNDERGROUND DUCTS AND LATERALS OWNED BY THE FIRE ALARM DIVISION	3545.6
TOTAL NUMBER OF POLES OWNED BY THE FIRE ALARM DIVISION	42
INCREASE IN THE NUMBER OF FIRE ALARM BOXES OWNED BY THE CITY	3
DECREASE IN THE NUMBER OF FIRE ALARM BOXES PRIVATELY OWNED	5

TRAFFIC ENGINEERING DEPARTMENT

TOTAL NUMBER OF TRAFFIC SIGNAL HEADS	994
TOTAL NUMBER OF TRAFFIC SIGNAL POLES	472
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (LOCAL)	149
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (MASTER)	6
TOTAL NUMBER FEET OF UNDERGROUND DUCTS AND LATERALS	57,470
TOTAL NUMBER MILES OF UNDERGROUND CABLE	23.3
TOTAL NUMBER MILES OF AERIAL CABLE	4.9
TOTAL NUMBER MILES OF EQUIVALENT SINGLE CONDUCTOR (UNDERGROUND CABLE)	116.1
TOTAL NUMBER MILES OF EQUIVALENT SINGLE CONDUCTOR (AERIAL CABLE)	22.7

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

TOTAL NUMBER OF FEET OF DUCT SPACE BELONGING TO THE NEW ENGLAND TELEPHONE AND TELEGRAPH CO. ASSIGNED TO CITY USE	51,970
TOTAL NUMBER OF FEET OF DUCT SPACE BELONGING TO THE FIRE DEPARTMENT OF THE CITY OF PROVIDENCE	3,040
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR UNDERGROUND CABLE BELONGING TO THE CITY OF PROVIDENCE FIRE DEPARTMENT AND ASSIGNED FOR TRAFFIC ENGINEERING DEPARTMENT USE	62.3
INCREASE IN THE NUMBER OF TRAFFIC LIGHTS	85

UTILITY STRUCTURES IN THE STREETS OF THE CITY OF PROVIDENCE AS OF SEPTEMBER 30, 1955

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

PROVIDENCE GAS COMPANY

TOTAL GAS SERVICES IN PROVIDENCE	39,209
MILES OF MAIN	399.1
GAS HOLDERS	4
NUMBER OF METERS (ACTIVE)	62,817

INCREASE IN GAS SERVICES	84
INCREASE IN MILES OF MAIN	$\frac{1}{2}$
DECREASE IN NUMBER OF METERS	1,692 (ACTIVE)

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

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

TOTAL NUMBER WOOD POLES (INCLUDING JOINTLY USED, BUT NOT INCLUDING THOSE JOINTLY USED WITH NO OWNERSHIP)	16,700
TOTAL NUMBER OF JOINTLY OWNED POLES WITH N.E. COMPANY	13,249
TOTAL NUMBER OF JOINTLY OWNED POLES WITH U.T. COMPANY	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH ANY OTHER	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH W.U.T. COMPANY	0
TOTAL NUMBER OF MILES MAIN CONDUIT (TRENCH FEET)	55.14
TOTAL NUMBER MILES U.G. CABLE	228.77
TOTAL NUMBER MILES AERIAL CABLE	208.92
TOTAL WOOD TERMINAL BOXES ON POLES	217
APPROXIMATE NUMBER OF TELEPHONES SUPPLIED DIRECTLY BY UNDERGROUND OR BLOCK DISTRIBUTION	47,926
APPROXIMATE NUMBER TELEPHONES SUPPLIED DIRECTLY BY OVERHEAD LINES ON HIGHWAYS	40,493

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

INCREASE IN THE NUMBER OF POLES (ALL HEADINGS)	170
ADDITIONAL MILES OF CABLE - U.G. AND AERIAL	5.4
INCREASE IN THE NUMBER OF TELEPHONES IN USE	700

NARRAGANSETT ELECTRIC COMPANY

TOTAL NUMBER OF WOOD POLES (INCLUDING JOINTLY OWNED BUT NOT INCLUDING JOINTLY USED, WITH NO OWNERSHIP)	18,547
TOTAL NUMBER JOINTLY OWNED POLES WITH N.E.T & T COMPANY	13,249
TOTAL NUMBER OF JOINTLY OWNED POLES WITH U.T. COMPANY	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH WESTERN UNION TELEGRAPH COMPANY	0
TOTAL NUMBER IRON POLES IN CITY	2,507
UNDERGROUND STREET LIGHT STANDARDS	2,198
ORNAMENTAL ARCS	0
ORNAMENTAL INCANDESCENTS (MERCURY VAPOR)	2,192
GOOSE NECKS	6
ORNAMENTAL INC. WITH U.T.C.	111
IRON POLES WITH UTC AND NET & T COMPANY	0
IRON POLES WITH U.T.C.	0
IRON POLES WITH NET & T COMPANY	0
TOTAL NUMBER MILES CONDUIT (TRENCH FEET) IN CITY	82.93
TOTAL NUMBER MILES CONDUIT (DUCT FEET) IN CITY	684.97
TOTAL NUMBER MILES UNDERGROUND CABLE IN CITY	885.22
TOTAL NUMBER MILES EQUIVALENT SINGLE UNDERGROUND CONDUCTOR	1,250.37
TOTAL NUMBER MILES AERIAL CABLE	222.02
TOTAL NUMBER MILES SERVICE PIPES OR LATERALS	637.54
TOTAL NUMBER MILES EQUIVALENT SINGLE CONDUCTOR AERIAL CABLE	4,060.01
TOTAL NUMBER MILES AERIAL OPEN WIRE	71.09
TOTAL NUMBER MILES COMMERCIAL TRANSFORMERS IN CITY	4,904
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY U.G. CONNECTION	27,185
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY D.H. CONNECTION	58,344
TOTAL NUMBER METERS INSTALLED IN CITY	85,529
APPROXIMATE TOTAL NUMBER OF 1Ø 2 WIRE 115 V. METERS IN CITY	60,522
APPROXIMATE TOTAL NUMBER OF 1Ø 3 WIRE 115/250 V. METERS IN CITY	18,684
APPROXIMATE TOTAL NUMBER OF 1Ø 2 WIRE 250/V. METERS IN CITY	0
APPROXIMATE TOTAL NUMBER OF 1Ø 5 WIRE 250/500 V. METERS IN CITY	0
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 115 V. METERS IN CITY	22
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 250 V. METERS IN CITY	279
TOTAL NUMBER OF 1Ø 3 WIRE 120/208 V. METERS IN CITY	1,720
TOTAL NUMBER OF 3Ø 4 WIRE 120/208 V. METERS IN CITY	2,589
TOTAL NUMBER OF D.C. 2 WIRE AND 3 WIRE 250 AND 250/500 V. METERS IN CITY	110
APPROXIMATE TOTAL NUMBER OF 3Ø 3 WIRE 575 V. METERS IN CITY	1,603

UNITED TRANSIT COMPANY

TOTAL NUMBER OF WOOD POLES (INCLUDING THOSE JOINTLY OWNED BUT NOT INCLUDING THOSE JOINTLY USED WITH NO OWNERSHIP)	93
TOTAL NUMBER OF JOINTLY OWNED POLES WITH N.E. COMPANY	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH N.E.T & T COMPANY	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH WUT, UTC, NEC.	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH NET & T CO., N.E. COMPANY	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH WUT.	0
TOTAL NUMBER OF SIGNALS (AUTOMATIC) IN CITY 5 SETS OR 10 (½ BLOCKS)	0
TOTAL NUMBER OF SIGNALS (HAND THROWN) IN CITY	-
TOTAL NUMBER OF SIGNALS (TELLTALE) IN CITY	0
TOTAL NUMBER OF SIGNALS (TRAFFIC) IN CITY	0
TOTAL MILES SINGLE AERIAL CONDUCTOR (EXCLUDING TROLLEY WIRE CONTRACT) IN CITY	0

NUMBER 10 SIGNAL AND TELEPHONE WIRE (REORDER WIRE)	0.
NUMBER 14 TWISTED PAIR TELEPHONE WIRE	0
NUMBER 1/0 FEEDER WIRE	0
NUMBER 2/0 FEEDER WIRE	0
NUMBER 4/0 FEEDER WIRE	0
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	0
1,000,000 C.M. FEEDER WIRE	0
TOTAL MILES OF STREET CAR TROLLEY WIRE (EXCLUDING TROLLEY BUS WIRE)	0
TOTAL MILES OF TROLLEY-BUS POSITIVE WIRE	0
TOTAL MILES OF TROLLEY-BUS NEGATIVE WIRE	0
TOTAL MILES DOUBLE TRACK IN USE (SINGLE TRACK LENGTH)	0
TOTAL MILES SINGLE TRACK IN USE	0
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	644

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

WOOD POLES	377
NUMBER 10 SIGNAL AND TELEPHONE WIRE - MILES	0
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	" 0
1,000,000 C.M. FEEDER WIRE	" 0
TROLLEY-BUS WIRE, POSITIVE	" 0
TROLLEY-BUS WIRE, NEGATIVE	" 0
NUMBER OF CROSS-OVERS NOT IN USE	0
NUMBER OF IRON POLES	210

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	1,094
NUMBER OF DEFECTIVE NOTICES	1,431
NUMBER OF PERMITS ISSUED	7,952
NUMBER OF INSPECTIONS AFTER FIRE	1,090
NUMBER OF INVESTIGATIONS REQUESTED BY THE NARRAGANSETT ELECTRIC COMPANY AND THE FIRE DEPARTMENT	138
NUMBER OF SPECIAL INVESTIGATIONS	3,495
NUMBER OF RE-INSPECTIONS	1,624
TOTAL NUMBER OF INSPECTIONS	16,824
LETTERS TO OWNERS	1,097
NUMBER OF DISCONNECTS	112

NOTE: NINETEEN (19) 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, 1955 IS AS FOLLOWS:

<u>ILLUMINATED SIGNS</u>	<u>NON-ILLUMINATED</u>	<u>TOTAL</u>
313	42	355

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$16,834.50
ITEM 1	SERVICES OTHER THAN PERSONAL	3,075.70
ITEM 2	MATERIALS AND SUPPLIES	124.64
ITEM 5	CAPITAL OUTLAY	<u>535.58</u>
	TOTAL	\$20,570.42

STREET LIGHTING SECTION

STREET LIGHTING COSTS

THE TOTAL EXPENDITURES FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1955, FOR STREET, BRIDGE, SUBWAY, AND PARK LIGHTING BILLS, CONTRACTED IN THE MONTH STATED, LESS ALL CREDITS FOR OUTAGE, HAVE BEEN AS FOLLOWS:

1954-1955 APPROPRIATION - \$462,375.00

INCANDESCENTS AND MERCURYS

<u>1954</u>	<u>TOTAL BILL</u>	<u>LESS OUTAGE</u>	<u>NET COST</u>
OCTOBER	\$38,310.26	\$239.68	\$38,070.58
•NOVEMBER	38,322.84	1,048.14	37,274.70
DECEMBER	38,448.22	228.07	38,220.15
<u>1955</u>			
JANUARY	38,618.82	215.30	38,403.52
FEBRUARY	38,599.29	192.99	38,406.30
MARCH	38,600.83	185.34	38,415.49
APRIL	38,602.32	163.01	38,439.31
**MAY	38,610.23	70.87	38,539.36
JUNE	38,619.59	44.59	38,575.00
JULY	38,622.01	44.89	38,577.12
AUGUST	38,622.24	57.79	38,564.45
SEPTEMBER	<u>38,706.84</u>	<u>42.93</u>	<u>38,663.91</u>
	\$462,683.49	\$2,533.60	\$460,149.89
		*** +	263.33
			<u>\$460,413.22</u>

*STORM ALLOWANCE OCTOBER 16, 1954

**THE 48 U G H N INC. LAMPS LOCATED AT ROGER WILLIAMS PARK HAVE BEEN RETURNED TO SERVICE.

***ADDITION TO SEPTEMBER BILL ERROR MADE BY ACCOUNTING DIVISION OF NARRAGANSETT ELECTRIC COMPANY.

SCHEDULES OF STREET LIGHTING DATA

	ARCS			O.H. A.N.	1000 CP.		O.H.	A.N.
	U.G.	O.H.	750W	600 CP.	U.G.	A.N.		
OCT. 1, 1954	0	0	0	29	452		3	51
SEPT. 30, 1955	0	0	0	29	396		3	50
CHANGES	0	0	0	0	56		0	1

	U.G. INCANDESCENT CLUSTERS						MERC.	MERC	MERC	SODIUM			
	2 LT. CL.	3 LT. CL.	5 LT. CL.				2 LT. VAP.	A.N.	1000 CP	LIGHTS			
	A.N.	H.N.	A.N.	H.N.	A.N.	H.N.	AN UG OH	U.G.	U.G.	A.N.	UGAN	OH.	AN.
OCT. 1, 1954	2A	2	4	1	1	8	1964	1321	22	22			3
SEPT. 30, 1955	2A	2	4	1	1	8	2008	1376	22	22			3
CHANGES	0	0	0	0	0	0	44	55	0	0			0

	100 CP.		U.G.	100 CP.	O.H.	MERC. VAP.	A.N.	O.H.	U.G.	A.N.	U.G.
	A.N.	U.G.	H.N.	A.N.	H.N.	24 HR. U.G.	250 CP.	400 CP.			
OCT. 1, 1954	165	232	7882-B	19	44	44	305	9	0		
SEPT. 30, 1955	164	232	7852	19	44	44	405	9	0		
CHANGES	1	0	30	0	0	0	100	0	0		

	SEPT. 30, 1954	SEPT. 30, 1955	CHANGES
TOTAL NUMBER EQUIVALENT SINGLE INCANDESCENT LIGHTS	9157	9159	12
TOTAL NUMBER MERCURY LIGHTS 16,000 LUMEN	3293	3392	99
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 STREET 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.

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, DEPENDS UPON THE COST OF FUEL FOR THE YEAR ENDING JULY 31, 1955. THIS COST AVERAGED 11.07, AND RESULTED IN A DECREASE IN COST UNDER THAT OF THE PREVIOUS YEAR. A TABULATION SHOWING THE UNIT PRICES FOR THE YEAR BEGINNING OCTOBER 1, 1955, IS AS FOLLOWS:

	ANNUAL INCREASE PER 10¢				
	INCREASE	NO. OF	INCREASE		
	IN COST OF	10¢ ABOVE	OVER	BASE	NEW
	FUEL ABOVE	\$8.00 BASE	BASE	PRICE	PRICE
	\$8.00 BASE	FUEL PRICE	PRICE	PRICE	PRICE
<u>INCANDESCENT 100 CP.</u>					
U.G. ALL NIGHT	.025	30	.75	\$28.03	\$28.78
U.S. 2 LT. CLUSTER, A.N.	.05	30	1.50	37.57	39.07
U.G. 5 LT. CLUSTER, A.N.	.125	30	3.75	66.02	69.77
U.G. SINGLE, ½ NIGHT	.012	30	.36	24.61	24.97
U.G. 2 LT. ½ NIGHT	.024	30	.72	30.72	31.44
U.G. 3 LT. ½ NIGHT	.036	30	1.08	37.33	38.41
U.G. 5 LT. ½ NIGHT	.06	30	1.80	48.89	50.69
AERIAL SINGLE, A.N.	.025	30	.75	15.00	15.75
AERIAL SINGLE, ½ NIGHT	.012	30	.36	9.90	10.26
<u>MISCELLANEOUS</u>					
250 C.P. U.G. A.N.	.05	30	1.50	50.50	52.00
250 C.P. AERIAL, A.N.	.05	30	1.50	30.00	31.50
400 C.P. U.G. NOVALUX, A.N.	.075	30	2.25	72.50	74.75
1000 C.P. AERIAL, A.N.	.18	30	5.40	65.00	70.40
1000 C.P. U.G., A.N.	.18	30	5.40	85.00	90.40
1000 C.P. U.G. ½ NIGHT	.096	30	2.88	68.37	71.25
10,000 LUMEN SODIUM, U.G.	.048	30	1.44	85.00	86.44
10,000 LUMEN SODIUM, O.H.	.048	30	1.44	65.00	66.44
600 C.P. INCANDESCENT, O.H.	.072	30	2.16	50.00	52.16
600 C.P. INCANDESCENT, U.G.	.072	30	2.16	70.00	72.16
16,000 LUMEN MERCURY, O.H.	.18	30	5.40	65.00	70.40
16,000 LUMEN MERCURY, U.G.	.18	30	5.40	85.00	90.40
16,000 LUMEN MERCURY U.G. 2 LT.	.36	30	10.80	152.00	162.80
400 C.P. AERIAL	.075	30	2.25	40.00	42.25
16,000 LUMEN MERCURY UNDERPASSES 24 HRS.					119.17

NARRAGANSETT ELECTRIC COMPANY FUEL COSTS

THE RATES WHICH ARE AFFECTED BY FUEL COSTS ARE:

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

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

THE COST OF FUEL BY MONTHS WAS AS FOLLOWS:

<u>1954</u>	
OCTOBER	10.87
NOVEMBER	10.97
DECEMBER	11.19
<u>1955</u>	
JANUARY	11.08
FEBRUARY	11.00
MARCH	11.16
APRIL	11.12
MAY	11.05
JUNE	11.06
JULY	11.16
AUGUST	11.39
SEPTEMBER	11.69

THE ABOVE FIGURES SHOW THAT THE AVERAGE PRICE PER TON FOR THE YEAR WAS 11.07 PER TON.

THE NUMBER OF LAMPS AND GLOBES REPORTED AS BROKEN ON STREET LIGHTS DURING THE YEARS 1953, 1954 AND 1955 IS AS FOLLOWS:

	<u>ARC GLOBES</u>	<u>INCANDESCENT AND MERCURY GLOBES</u>	<u>LIGHTS BROKEN</u>	<u>MERCURY GLOBES</u>	<u>NOVALUX</u>
53-54	21	452	5003	30	0
54-55	0	232	3868	0	0

RECAPITULATION

GRAND TOTAL	\$460,413.22
TOTAL MONTHLY AVERAGE COST 1953-1954	\$35,482.91
TOTAL MONTHLY AVERAGE COST 1954-1955	38,367.76
INCREASE FROM PREVIOUS YEAR OF THE TOTAL COSTS OF STREET LIGHTING	34,618.29
TOTAL SAVINGS IN OUTAGES	2,533.60

<u>NEW STREET LIGHT PETITIONS RECEIVED.</u>	<u>GRANTED</u>	<u>REJECTED</u>
71	61	10

UTILITY POLE PETITIONS RECEIVED 389

SUMMARY

135, 16,000 LUMEN MERCURY VAPOR LIGHTS HAVE BEEN PUT INTO SERVICE IN PUBLIC PLACES DURING THE FISCAL YEAR. THERE ARE NOW 3428 SUCH LIGHTS IN PUBLIC USE IN THE CITY.

THE NUMBER OF 2500 LUMEN INCANDESCENT STREET LIGHTS HAVE BEEN INCREASED BY 100, BRINGING THE TOTAL NUMBER OF THIS TYPE OF LIGHT NOW IN USE TO 414.

THERE ARE 449, 10,000 LUMEN LIGHTS IN SERVICE IN THE CITY, AND WILL BE REPLACED WITH 16,000 LUMEN MERCURY VAPOR LIGHTS IN THE NEAR FUTURE.

THERE ARE 8277, 1000 LUMEN LIGHTS IN SERVICE (FAMILIAR NEIGHBORHOOD TYPE). THIS TYPE SHOWS A DECREASE OF 31 LIGHTS UNDER THE TOTAL FOR THE PREVIOUS YEAR. THERE HAVE BEEN 61 LIGHTS OF THIS TYPE INSTALLED DURING THE PAST FISCAL YEAR, ON STREET LIGHT PETITIONS.

EXPENDITURES

ITEM 0 PERSONAL SERVICES 83,640.95
 ITEM 1 SERVICES OTHER THAN PERSONAL 460,179.89

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

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

AIR POLLUTION SECTION

THE GROWING MENACE OF AIR POLLUTION IS CAUSING ALARM THROUGHOUT THE WORLD AND DURING THE PAST YEAR THE PROVIDENCE AIR POLLUTION SECTION WAS CALLED UPON TO ASSIST SEVERAL COMMUNITIES.

ON FEBRUARY 8, THE AIR POLLUTION ENGINEER FLEW TO WHEELING, WEST VIRGINIA, TO ASSIST THAT CITY IN DRAWING UP ITS AIR POLLUTION ORDINANCE; THE FIRST EVER PASSED IN THE STATE OF WEST VIRGINIA.

IN ADDITION TO ASSISTING PUBLIC OFFICIALS AS FAR AWAY AS AUSTRALIA AND NEW ZEALAND BY CORRESPONDENCE, HELP HAS BEEN GIVEN TO THE NEIGHBORING COMMUNITIES OF CRANSTON AND EAST PROVIDENCE. SEVERAL VISITS HAVE BEEN MADE TO AID THESE CITIES WITH THEIR PROBLEMS OF POLLUTED AIR.

SINCE AIR POLLUTION RECOGNIZES NO POLITICAL BOUNDARIES THE LOCAL PRESS HAS ADVOCATED EDITORIALY THAT THE CITIES AND TOWNS OF GREATER PROVIDENCE ADOPT PROGRAMS PATTERNED AFTER PROVIDENCE.

SINCE THE DEPARTMENT HOLDS RESPONSIBILITY FOR THE PROPER INSTALLATION AND OPERATION OF FUEL BURNING EQUIPMENT IN PROVIDENCE A GREAT PORTION OF THE INSPECTORS' DAY IS SPENT IN INSPECTING NEW INSTALLATIONS AND THE PROPER FUNCTIONING OF EXISTING COMMERCIAL BOILERS.

ALL NEW EQUIPMENT MUST HAVE THE APPROVAL OF NATIONALLY RECOGNIZED TESTING LABORATORIES AND MUST BE INSTALLED ACCORDING TO RIGID CODES. THIS IS A MAJOR CONTRIBUTION TO THIS CITY'S SUPERB FIRE PREVENTION RECORD.

FOR THIS WORK THE SECTION IS VERY FORTUNATE IN ITS PERSONNEL. THE THREE FIELD INSPECTORS HAVE HAD WIDELY DIVERGENT COMBUSTION EXPERIENCE AND ARE ABLE TO HANDLE ALL TYPES OF FUEL BURNING PROBLEMS.

ONE INSPECTOR HAS HAD OVER TWENTY YEARS EXPERIENCE AS A MARINE ENGINEER AND HE HANDLES ALL WATERFRONT PROBLEMS. ANOTHER MAN IS A LICENSED ELECTRICIAN WITH SEVERAL YEARS EXPERIENCE IN THE INSTALLATION OF OIL AND GAS FIRED BOILERS. THE THIRD FIELD INSPECTOR WORKED FOR SEVERAL YEARS IN LARGE STEAM GENERATING PLANTS.

THE CHIEF INSPECTOR HAS HAD YEARS OF EXPERIENCE IN BOTH THE FUEL BURNING FIELD AND IN ELECTRONICS.

IN ADDITION THE ENTIRE STAFF IS CONSTANTLY TAKING TRAINING PROGRAMS AND COURSES TO IMPROVE THEIR WORK.

DURING THE PAST FEW YEARS THIS SECTION HAS ENCOUNTERED DIFFICULTY WITH IMPROPER FUNCTIONING SAFETY CONTROLS ON BOILERS. THERE IS NO NEED TO DESCRIBE THE POTENTIAL HAZARD TO LIFE AND PROPERTY THAT THIS CONDITION PRESENTS.

THE SECTION CONDUCTED EXHAUSTIVE TESTS UTILIZING INSTRUMENTS ON A GREAT NUMBER OF CONTROLS IN PROVIDENCE BOILER ROOMS. VIRTUALLY ALL CONTROLS WERE FOUND TO BE DEFECTIVE. THE MANUFACTURERS OF THESE CONTROLS WERE NOTIFIED AND THE RESEARCH WORK IN PROVIDENCE ATTRACTED NATIONAL ATTENTION. THE RESEARCH WORK DONE IN PROVIDENCE HAS RESULTED IN SAFETY CONTROL MANUFACTURERS REVISING THEIR DESIGNS FOR BETTER PROTECTION FOR THE PUBLIC.

THE AIR POLLUTION SECTION HAS STARTED A PROGRAM ON REFUSE INCINERATORS IN ORDER TO RENDER THEM FREE FROM SMOKE, DUST, ODORS AND FLY ASH. AFTER INSPECTING SOME OF THESE INCINERATORS IN OPERATION U.S. PUBLIC HEALTH OFFICIALS HAVE DECLARED PROVIDENCE TO BE OUTSTANDING IN THIS WORK.

DURING THE PAST YEAR THE PUBLIC HEALTH SERVICE SET UP TWO AIR SAMPLING MACHINES IN THIS CITY. AFTER SEVERAL MONTHS STUDY A COMPARISON WAS MADE OF PROVIDENCE WITH 13 OTHER AMERICAN CITIES. PROVIDENCE HAS THE BEST RECORD FOR THE SMALLEST AMOUNT OF COMBINED ORGANIC AND PARTICULATE MATTER IN ITS AIR FOR ALL THE CITIES TESTED.

DESPITE THE SECTION'S EFFORT TO SOLICIT COOPERATION AND GOOD WILL IT IS NECESSARY TO TAKE LEGAL ACTION AGAINST SOME POLLUTERS. HOWEVER, LITIGATION HAS BEEN MOST DIFFICULT AND FRUSTRATING. LAST YEAR A CASE WAS LOST IN SUPERIOR COURT BECAUSE OF THE WORKING IN THE RINGELMANN CHART INSTRUCTIONS AS ISSUED BY THE U.S. BUREAU OF MINES.

SINCE THEN THE BUREAU OF MINES HAS ISSUED A NEW SET OF INSTRUCTIONS WHICH IS HOPED WILL CORRECT THIS DIFFICULTY.

OVER A YEAR AGO THE SECTION UNDERTOOK PROSECUTION IN THE POLICE COURT OF HEAVY SMOKE FROM RAILROAD DIESELS. AS YET NO DECISION HAS BEEN HANDED DOWN BY THE PRESIDING JUSTICE OF THE TRIAL.

THE ENTIRE STAFF OF THE PROVIDENCE AIR POLLUTION CONTROL SECTION IS WORKING CONSTANTLY TO GIVE OUR PEOPLE THE CLEANEST AIR POSSIBLE. IN ADDITION TO POLICING STACKS, INSPECTING BOILER ROOMS AND ANSWERING ALL COMPLAINTS THE STAFF IS ENGAGED IN RESEARCH AND THE STUDY OF RESEARCH CONDUCTED BY THE U.S. PUBLIC SERVICE, PRIVATE FOUNDATIONS AND UNIVERSITIES.

THE SECTION'S EFFORTS HAVE BEEN WINNING PRAISE NATIONALLY THROUGH THE YEARS AND THIS PUBLIC SERVICE IS PROVIDED FOR THE PEOPLE OF PROVIDENCE FOR THE SMALL ANNUAL COST OF TEN CENTS PER PERSON.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$25,839.00
ITEM 1 SERVICES OTHER THAN PERSONAL	2,627.70
ITEM 2 MATERIAL AND SUPPLIES	148.79
TOTAL	<u>\$28,615.49</u>

REVENUE

HEATING EQUIPMENT	501.50
OIL BURNERS	1,072.00
GAS BURNERS	482.00
OIL STORAGE TANKS	1,035.00
	<u>\$3,090.50</u>

NUMBER OF PERMITS ISSUED

OIL BURNERS AND TANKS	2107
GAS BURNERS	482
NEW EQUIPMENT	103
	<u>2692</u>
ANNUAL INSPECTIONS	1828
INSPECTION OF NEW HEATING EQUIPMENT	103
RETURN CALLS AFTER CORRECTIONS	317
VIOLATIONS NOTED AND INVESTIGATED	1769
COMPLAINTS RECEIVED	80
COMPLAINT INVESTIGATIONS	1415
OIL BURNER INSPECTIONS	531
GAS BURNER INSPECTIONS	482
TANK INSPECTIONS	1035
SPECIAL INVESTIGATIONS	101
INVESTIGATIONS AFTER FIRES	101
	<u>7762</u>

MUNICIPAL DOCK SECTION

DURING THE EARLY PART OF THE 1954-1955 FISCAL YEAR, THE DAMAGE CAUSED BY HURRICANE CAROL TO THE NEW SHED WAS COMPLETED. THE REPAIRS WERE EFFECTED WITH A MINIMUM AMOUNT OF INCONVENIENCE.

THE PROJECT OF RENEWING THE RAILS AND ROADBED ALONG TERMINAL ROAD WAS COMPLETED. THE COMPLETION OF THIS PROJECT HAS IMPROVED THE RAIL SERVICE AND ELIMINATED A HAZARDOUS CONDITION.

THE STATUS OF THE MCLEAN TRUCKING PROJECT HAS CHANGED CONSIDERABLE DURING THE YEAR. MCLEAN HAS SEVERED THEIR RELATIONS WITH THE TRUCKING COMPANY AND PURCHASED THE WATERMAN S.S. COMPANY AND ITS SUBSIDIARY THE PAN-ATLANTIC S.S. COMPANY. THIS PURCHASE IMPROVED THE POSITION OF THE MCLEAN INTERESTS IN OBTAINING THE NECESSARY OPERATING RIGHTS TO INAUGURATE THE LAND-SEA TRAILER SHIP OPERATION INTO PROVIDENCE.

IN VIEW OF THE TREND IN TRANSPORTATION TO PALLIATE, CONSOLIDATE AND PIGGYBACK IT IS FELT, THAT THE I.C.C. AND MARITIME COMMISSION WILL RULE FAVORABLY ON THE LAND-SEA OPERATION. IF SO, PROVIDENCE CAN LOOK FORWARD TO THE COMMENCING OF THIS SERVICE ABOUT THE MIDDLE OF 1957.

THE PROPOSED REPAVING AND TRACK RENEWAL OF THE AREA IN FRONT OF THE NUMBER ONE TRANSIT WAREHOUSE WILL GREATLY IMPROVE THE FACILITIES AND MAKE IT MORE ATTRACTIVE FOR CARGO HANDLING.

OUR TONNAGE HANDLED WAS APPROXIMATELY THE SAME AS THE 1953-54 PERIOD, BUT THERE WAS A SLIGHT DECREASE IN REVENUE. IT SHOWED UP MOSTLY IN OUR STORAGE CHARGES. THE APPARENT REASON WAS THAT LUMBER MOVED FROM ONE AREA IN GREATER VOLUME DURING THE FREE TIME PERIOD THAN NORMALLY.

THE FOLLOWING FIGURES ARE THE TONNAGES OF COMMODITIES HANDLED. ALSO, THE REVENUE AND EXPENDITURES FOR THE 1954-55 PERIOD.

CARGO

<u>SHIPPED</u>		<u>RECEIVED</u>	
GENERAL CARGO	3312.9 TONS	LUMBER	48,933,118 BFM.
KEROSENE	15764.6 TONS	CANNED GOODS	12,030 TONS
FUEL OIL	48023.8 TONS	CEMENT	4,554 TONS
		FROZEN FISH	4383.7 TONS
		FISH MEAL	688.6 TONS
		FISH SKINS	80.8 TONS
		FISH LIVERS	1.7 TONS
		BLUEBERRIES	87.3 TONS
		SALT COD FISH	54.0 TONS
		SMELTS	1.6 TONS
		LOBSTERS	6.0 TONS
		SALMON	2.3 TONS
		MOOSE MEAT	1.0 TONS
		GENERAL CARGO	8.5 TONS

REVENUE

LEASE OF WAREHOUSE	\$42,000.00
LEASE OF LAND	48,758.54
WAREHOUSE	73,290.05
TRUCKAGE	8,592.00
WATER	2,836.80
DOCKAGE	12,436.26
STORAGE	6,635.85
MISCELLANEOUS	<u>1,039.97</u>
	\$195,589.47

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$33,373.65
ITEM 1 SERVICES OTHER THAN PERSONAL	7,776.84
ITEM 2 MATERIALS AND SUPPLIES	1,553.19
ITEM 7 OTHER STRUCTURES AND IMPROVEMENTS	<u>1,950.00</u>
	\$44,653.68

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, 1955:

	STEAMERS	SAILING VESSELS		MISCELLANEOUS	TOTALS FOR THE YEAR - 1953-54	TOTALS FOR THE YEAR - 1954-55	TIMES DRAW WAS OPENED	AVERAGE TIME FROM CLOSING TO OPENING GATES (MIN.)
	TUGS	BARGES						
<u>POINT STREET BRIDGE</u>								
					4			
		3	4			12	8	3.1
1955				2	6	2	2	3.2
		32	16		2	48	32	5.1
		20	14	1	6	35	20	5.
		98	95		4	193	98	6.
		40	27		11	67	40	5.
		80	113			193	85	5.2
		79	129		20	208	77	6.7
		57	35	33		125	56	5.1
		414	433	36	53	883	418	

<u>RED BRIDGE</u>									
	OCTOBER	41	72	24	1	116	138	97	4.3
	NOVEMBER	49	35	14		148	98	73	3.2
	DECEMBER	44	78	36		336	158	106	4.4
1955	JANUARY	44	100	52		812	196	124	4.3
	FEBRUARY	62	73	24	1	723	160	115	4.4
	MARCH	29	78	36	2	180	145	85	4.4
	APRIL	46	30	6		69	82	63	4.3
	MAY	30	40	10		97	80	57	4.3
	JUNE	39	44	2	12	67	97	75	4.
	JULY	33	36	6		82	75	53	4.2
	AUGUST	52	28	6	2	90	88	70	3.
	SEPTEMBER	33	40	2	10	67	87	63	4.1
		502	654	4	236	8	2787	1404	981

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$50,053.69
ITEM 1	SERVICES OTHER THAN PERSONAL	1,246.28
ITEM 2	MATERIALS AND SUPPLIES	824.48
		<u>\$52,124.45</u>

THE FOLLOWING TABLE SHOWS THE TOTAL NUMBER OF CRAFT PASSING THROUGH THE
 DRAWBRIDGES BEGINNING THE YEAR 1906.
 FROM 1906 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
1906	23,092	2,553	1930-31	3,243	2,742
1907	25,949	2,632	1931-32	1,197	1,900
1908	21,767	4,852	1932-33	1,327	2,787
1909	17,128	6,914	1933-34	1,990	3,758
1910	17,125	2,927	1934-35	1,387	2,454
1911	20,078	3,293	1935-36	1,468	2,150
1912	21,519	3,021	1936-37	1,368	2,138
1913	15,113	2,734	1937-38	1,136	1,913
1914	13,364	2,491	1938-39	1,676	2,187
1915	14,409	2,755	1939-40	1,299	3,431
1916	11,638	3,368	1940-41	1,066	2,420
1917	9,704	3,273	1941-42	1,205	1,722
1918	6,894	2,680	1942-43	1,263	1,087
1919	7,123	3,476	1943-44	1,487	2,262
1920	6,950	4,451	1944-45	1,233	1,319
1921	6,067	2,001	1945-46	1,078	1,828
1922	5,307	2,958	1946-47	936	1,640
1923	5,476	5,134	1947-48	1,010	1,541
1924	4,858	2,035	1948-49	666	2,130
1925	4,939	1,942	1949-50	638	1,609
1926	5,198	2,415	1950-51	371	1,973
1927	4,700	2,934	1951-52	125	1,628
1928	4,679	3,912	1952-53	202	1,752
1929	4,068	3,623	1953-54	51	2,787
1929-30	3,210	2,738	1954-55	883	1,313

BRIDGE	GREATEST NUMBER OF OPENINGS IN ANY ONE DAY.		DAILY AVERAGE NUMBER OF OPENINGS FOR THE YEARS	
	1953-54	1954-55	1953-54	1954-55
	POINT STREET	6	10	6.14
RED	21	13	7.3	3.

HARBOR MASTER SECTION

VESSELS

	QUARTER ENDING DEC. 31, '54	QUARTER ENDING MAR. 31, '55	QUARTER ENDING JUNE 30, '55	QUARTER ENDING SEPT. 30, '55	TOTAL FOR YEAR
STEAMERS	100	136	109	185	530
MOTOR VESSELS	61	75	73	164	373
TUG BOATS	153	164	156	127	600
BARGES	90	70	43	36	239
DREDGES	1	1		2	4
SCOWS	2	2	5	4	13
DES TROYER	4	3	11	1	19
SCHOONER	2				2
SUBMARINE	1				1
MINE SWEEPER		1			1
YACHT		1		1	2
BRIGANTINE			1	1	2
	414	453	398	521	1786

TONNAGE

BITUMINOUS	117643	141001	133319	144751	536714
GASOLINE	402175	370904	464897	490619	1728595
OIL	1177289	1319172	844151	811040	4151652
CHEMICALS	4650	4650	4650	4650	18600
LUMBER	17690	37078	22434	24425	101627
FROZEN FISH	1451	1923	1375	1252	6001
FISH MEAL	28	443	93	49	613
MOOSE MEAL	2265				2265
TAR	6640	6704	1764	2558	17666
FROZEN FISH LIVERS	23				23
FISH SKINS	54	40	40		134
ASPHALT	16000	23907	5000	13012	57919
CANNED GOODS	1415	3122	3276	1325	9138
MACHINERY	1422				1422
CANNED BLUEBERRIES	155				155
COD LIVERS		1 3/4			1 3/4
GENERAL FREIGHT		2			2
TOTALS	1748900	1908947 3/4	1480999	1493681	663252 73/4

EXPENDITURES

ITEM 0 PERSONAL SERVICES	13,953.25
ITEM 1 SERVICES OTHER THAN PERSONAL	208.44
ITEM 2 MATERIALS AND SUPPLIES	182.50
TOTAL	14,344.29

RESPECTFULLY SUBMITTED,

PETER J. HICKS, JR.
PUBLIC SERVICE ENGINEER.