

**THE CITY OF
PROVIDENCE, RHODE ISLAND**

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

FOR THE FISCAL YEAR

1952 - 1953

DECEMBER 31, 1953.

DEPARTMENT OF PUBLIC WORKSOFFICE OF THE DIRECTOR

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

DEAR SIR:

THE ANNUAL REPORT COVERING THE WORK DONE BY THE DEPARTMENT OF PUBLIC WORKS FOR THE YEAR ENDING SEPTEMBER 30, 1953, 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

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.

THE COST ACCOUNTING SYSTEM HAS BEEN IN OPERATION DURING THE PAST YEAR AND WITH THE AID OF INTERNATIONAL BUSINESS MACHINES, COSTS HAVE BEEN TABULATED AND DISTRIBUTED TO THE VARIOUS DIVISION HEADS.

OUR EXTENSIVE HIGHWAY CONSTRUCTION PROGRAM INCLUDED THE SURFACING, RESURFACING AND SEALCOATING OF HIGHWAYS BY CITY FORCES; THE CONSTRUCTION OF NEW HIGHWAYS BY CONTRACT; THE SURFACING OF HIGHWAYS BY CONTRACT; AND THE RECONSTRUCTION OF HIGHWAYS BY CONTRACT, WHICH WORK WAS FINANCED WITH CITY, CITY AND FEDERAL, AND CITY, STATE AND FEDERAL FUNDS.

THIS PROGRAM INCLUDED 150,532 SQUARE YARDS OF SHEET ASPHALT PAVEMENT, 130,785 SQUARE YARDS OF BITUMINOUS CONCRETE PAVEMENT, 37,504 SQUARE YARDS OF BITUMINOUS MACADAM PAVEMENT, AND 44,333 SQUARE YARDS OF SEALCOATING; MAKING A TOTAL OF 363,154 SQUARE YARDS OF PAVEMENT.

INCLUDED IN THIS WORK WAS THE SURFACING OR RE-SURFACING OF 122,254 SQUARE YARDS OF OLD HIGHWAYS WITH BITUMINOUS CONCRETE BY OUR HIGHWAY FORCES. THE SURFACING OF OLD PAVEMENTS WITH BITUMINOUS CONCRETE WAS STARTED EIGHT YEARS AGO AND RESULTS OBTAINED HAVE SURPASSED OUR EXPECTATIONS.

CONSTRUCTION OF THE DENNIS J. ROBERTS EXPRESSWAY IN OLNEYVILLE, WHICH WAS BUILT BY THE STATE DEPARTMENT OF PUBLIC WORKS AND FINANCED WITH FEDERAL AND CITY FUNDS, WAS COMPLETED DURING THE YEAR.

THE STATE DEPARTMENT OF PUBLIC WORKS COMPLETED THE RECONSTRUCTION OF THOMAS STREET, ELMGROVE AVENUE, MANTON AVENUE, PONTIAC AVENUE, EAGLE STREET, SECTIONS OF HARRIS AND KINSLEY AVENUES, AND THE SURFACING OF SMITH STREET, FROM FRANCIS STREET TO THE MOSHASSUCK RIVER BRIDGE.

THE OPEN FLOOR GRATING FOR THE RE-DECKING OF THE GLENBRIDGE AVE. BRIDGE HAS ARRIVED ON THE JOB AND THE CONTRACTOR, M.A. GAMMINO CONSTRUCTION CO., EXPECTS TO COMPLETE THE PROJECT IN NOVEMBER.

FRANK N. GUSTAFSON & SONS, CONTRACTORS, COMPLETED THE CONSTRUCTION OF A UTILITY AND STORAGE BUILDING AT RED BRIDGE.

HARBOR CONSTRUCTION COMPANY, INC., CONTRACTORS, COMPLETED THE CONSTRUCTION OF NEW FENDERS AND DOLPHINS AT RED BRIDGE.

GILBANE BUILDING COMPANY, CONTRACTORS, COMPLETED THE CONSTRUCTION OF THE NEW TRANSIT SHED AT THE MUNICIPAL DOCK.

THE CONSTRUCTION OF SEWERS IN 24 STREETS BY THE CONTRACTOR, CAPALDI BROS. CONST. CO., IS PROGRESSING SATISFACTORILY.

THE POWER SURVEY BY METCALF AND EDDY, ENGINEERS, INDICATED THAT THE CONTRACT WITH THE COKEN COMPANY SHOULD BE ALTERED TO PROVIDE A 2500 KVA SUBSTATION INSTEAD OF A 1000 KVA SUBSTATION AT THE INCINERATOR AND THE CONTRACTOR IS PREPARING A PROPOSAL TO MAKE THE REQUIRED ALTERATIONS.

METCALF AND EDDY, ENGINEERS, ARE NOW MAKING A COMPLETE SANITARY SURVEY THROUGHOUT THE CITY AND ALSO MAKING PLANT-SCALE STUDIES OF THE HIGH-RATE ACTIVATED SLUDGE PROCESS AND THE BIOSORPTION PROCESS AT THE SEWAGE DISPOSAL PLANT. THE RESULTING INFORMATION WILL SERVE AS THE BASIS FOR DECIDING AS TO THE TYPE OF PROCESS TO BE ADOPTED.

OUR SEWAGE DISPOSAL PLANT PERSONNEL ARE ASSISTING METCALF AND EDDY IN THEIR SURVEY AND STUDIES.

PLANS AND SPECIFICATIONS FOR A PUBLIC WORKS GARAGE HAVE BEEN PREPARED BY THE DEPARTMENT'S ENGINEERS AND THE CITY ARCHITECT.

PLANS AND SPECIFICATIONS TO COMPLETELY RENEW THE FURNACE LININGS AND THE ASH CONVEYOR, AS WELL AS FOR A MECHANICAL STOKER, HAVE BEEN PREPARED AND BIDS ON THE WORK HAVE BEEN RECEIVED.

RAILROAD CONSTRUCTION CO., CONTRACTORS, COMPLETED THEIR CONTRACT FOR THE RENEWAL OF APPROXIMATELY 2500 LINEAR FEET OF TRACKS AT FIELDS POINT.

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

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

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

RECOMMENDATIONS

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

REPLACE THE SMITH STREET BRIDGE WITH A NEW STRUCTURE.

ERECT A NEW FENCE ON THE BRIDGE ALONG WASHINGTON ROW.

MAKE IMPROVEMENTS AT THE SEWAGE DISPOSAL PLANT AFTER REQUIREMENTS ARE DETERMINED, BASED UPON THE RESULTS OBTAINED FROM THE STUDIES NOW BEING MADE BY METCALF AND EDDY

CONNECT THE WATER MAIN IN TERMINAL ROAD TO THE GARBAGE INCINERATOR. THE ONLY SOURCE OF WATER SUPPLY AT THE PRESENT TIME IS FROM THE ERNEST STREET MAIN AND A BREAK IN THIS LINE WOULD LEAVE THE INCINERATOR WITHOUT A SUPPLY OF WATER. IT IS IMPERATIVE THAT A SUPPLY OF WATER BE AVAILABLE AT ALL TIMES.

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

CONSTRUCT A BUILDING FOR THE FORESTRY DEPARTMENT IN ROGER WILLIAMS PARK ADJOINING THE TREE NURSERY.

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

THE GENERAL PUBLIC IS RESPONSIBLE FOR PLACING DEBRIS, SUCH AS PAPER, GRASS, HEDGE TRIMMINGS AND LEAVES IN THE CATCH BASINS OF OUR SEWER SYSTEM, THEREBY PREVENTING THE OPERATION OF THE TRAPS IN THE BASINS AND THE FLOW OF RAIN WATER FROM THE HIGHWAYS. THE TRUCKERS WHO HAUL REFUSE FROM THE COMMERCIAL HOUSES AND THOSE CARRYING LOAM, SAND, DIRT, COAL AND GRAVEL IN UNCOVERED TRUCKS. TO RELIEVE THESE CONDITIONS, IT WOULD SEEM ADVISABLE TO PUBLICISE THEM AND URGE THE PUBLIC TO COOPERATE IN KEEPING OUR STREETS AND CATCH BASINS CLEAN.

RESPECTFULLY SUBMITTED,

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

CFM:MC,

IN CITY COUNCIL

FEB 18 1954

FOR THE

IT IS ORDERED THAT
THE SAME BE FORWARDED.

N. 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, 1953:

STATEMENT OF REVENUE—ESTIMATED AND ACTUAL

	<u>BUDGET ESTIMATE</u>	<u>NET ACTUAL REVENUES</u>	<u>BUDGET EXCESS</u>	<u>COMPARISON DEFICIENCY</u>
BUSINESS AND NON-BUSINESS LICENSES:				
SIDEWALK CONTRACTORS AND SEWER CONNECTIONS	\$800.00	\$720.00	-	\$80.00
HIGHWAY PRIVILEGES	1500.00	1278.00	-	222.00
PUBLIC SERVICE ENGINEER	5000.00	4436.00	-	564.00
AIR POLLUTION AND SMOKE ABATEMENT	<u>5000.00</u>	<u>3225.00</u>	-	<u>1775.00</u>
TOTAL BUSINESS-NON-BUSINESS LICENSES	\$12300.00	\$9659.00	-	\$2641.00
SPECIAL ASSESSMENTS:				
SEWERS	\$23545.54	23545.54	-	-
SIDEWALKS AND CURBING	<u>300.00</u>	<u>1945.98</u>	<u>1645.98</u>	-
TOTAL SPECIAL ASSESSMENTS	\$23845.54	\$25491.52	\$1645.98	-
DEPARTMENTAL REVENUE:				
SEWAGE PUMPING STATIONS	-	138.72	138.72	-
SEWAGE DISPOSAL	-	885.78	885.78	-
GARBAGE COLLECTION AND DISPOSAL	4000.00	10374.14	6374.14	-
REFUSE COLLECTION AND DISPOSAL	-	32.50	32.50	-
HIGHWAYS	<u>20000.00</u>	<u>78852.04</u>	<u>58852.04</u>	-
BRIDGE MAINTENANCE	-	508.64	508.64	-
FORESTRY	-	1491.74	1491.74	-
SEWER CONSTRUCTION AND MAINTENANCE	36000.00	42639.46	6639.46	-
PUBLIC BUILDINGS	-	52.78	52.78	-
STREET LIGHTING	-	95.42	95.42	-
AIR POLLUTION AND SMOKE ABATEMENT	-	3.00	3.00	-
MUNICIPAL DOCKS	<u>170000.00</u>	<u>212932.43</u>	<u>42932.43</u>	-
HARBORS	-	8.46	8.46	-
TOTAL DEPARTMENTAL REVENUE	\$230000.00	\$348015.11	\$118015.11	-
TOTAL STATEMENT	\$266145.54	\$383165.63	\$11661.09	\$2641.00

STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1953

	PERSONAL SERVICES	SERVICES OTHER THAN PERSONAL	MATERIALS AND SUPPLIES	SPECIAL ITEMS	EQUIPMENT OUTLAY	STRUCTURES AND IMPROVEMENTS	TOTAL
GENERAL ADMINISTRATION	22169.34	1758.00	96.10	-	-	-	24023.44
BUSINESS MANAGEMENT	34568.69	469.76	920.44	-	1288.92	-	37247.81
ENGINEERING OFFICE	104887.99	3916.14	1125.20	-	533.40	-	110462.73
SANITATION DIVISION:							
SANITATION ADMINISTRATION	7633.04	1052.07	26.60	-	297.08	-	9008.79
STREET CLEANING	266666.73	61402.86	2998.89	-	-	-	331068.48
SEWAGE PUMPING STATION	41916.16	679.61	3174.29	-	-	-	45770.06
SEWAGE DISPOSAL	88135.31	30712.51	105846.91	-	521.06	-	225215.79
GARBAGE COLLECTION AND DISPOSAL	409214.33	187976.30	13905.94	-	4016.59	-	615113.16
REFUSE COLLECTION AND DISPOSAL	74419.18	27986.61	81.26	-	-	-	102487.05
CONSTRUCTION AND MAINTENANCE DIVISION:							
CONSTRUCTION AND MAINTENANCE ADMINISTRATION	7629.20	825.60	4.27	-	172.50	-	8631.57
HIGHWAYS	642981.89	153220.69	118347.90	-	996.73	-	915547.21
BRIDGE MAINTENANCE	38107.85	5150.26	9548.03	-	-	-	52806.14
SIDEWALK AND CURBING	13584.17	2271.42	1542.97	-	-	-	17398.56
FORESTRY	55927.18	9932.53	8891.41	-	470.00	-	75221.12
SNOW REMOVAL	40239.56	25972.67	15785.63	-	-	-	81997.86
SEWER CONSTRUCTION AND MAINTENANCE	247070.20	56136.71	10266.93	-	-	-	313473.84
PUBLIC BUILDINGS	71118.35	9560.10	4733.78	10.00	1295.50	-	86717.73
PUBLIC SERVICE DIVISION:							
PUBLIC SERVICE ADMINISTRATION	12573.35	939.13	67.10	-	32.05	-	13611.63
ELECTRICAL INSPECTION	15875.35	3219.75	80.34	-	132.50	-	19307.94
STREET LIGHTING	3317.35	423924.80	-	-	-	-	427242.15
AIR POLLUTION AND SMOKE ABATEMENT	22551.55	1892.41	135.04	-	166.10	-	24745.10
MUNICIPAL DOCKS	31001.55	5874.52	1027.73	-	746.55	45324.00	83974.35
DRAW BRIDGE OPERATION	49179.16	1051.66	668.60	-	-	-	50899.42
HARBOR MASTER	3427.21	2691.86	162.70	-	-	-	6281.77
TOTAL -- PUBLIC WORKS ACTIVITIES	\$2304194.69	\$1018617.97	\$299438.06	\$10.00	\$10668.98	\$45324.00	\$3678253.70

THE FOLLOWING SERVICES WERE ALSO RENDERED BY THIS DEPARTMENT:

FOR ALTERING DRIVEWAYS	76
CONSTRUCTION OF DRIVEWAYS	335
CURBING RESETS	<u>76</u>
TOTAL APPLICATIONS	487

LICENSES ISSUED:

PUSH CARTS	35
SIDEWALK STANDS	32
DRAIN LAYERS LICENSES	7
DRAIN LAYERS LICENSES LIMITED TO SPRINKLER SYSTEMS	<u>3</u>
TOTAL LICENSES	77

PERMITS ISSUED:

PUBLIC UTILITIES STREET OPENINGS	510
BLASTING	2
FOR MOVING CUMBERSOME EQUIPMENT, ETC.	34
STREET EXCAVATING (WATER SUPPLY BOARD)	302
ORIGINAL SEWER	308
EXTENSION SEWER	373
WATER - SIDEWALK	<u>84</u>
TOTAL PERMITS	1613

A COST ACCOUNTING SYSTEM HAS BEEN INAUGURATED FOR THIS DEPARTMENT. WITH THE AID OF INTERNATIONAL BUSINESS MACHINES THE EXPENDITURES HAVE BEEN TABULATED AND DISTRIBUTED TO THE VARIOUS DIVISION HEADS.

AFTER THE FIRST YEAR THIS SYSTEM OF ACCOUNTING IS PROGRESSING SATISFACTORILY.

RESPECTFULLY SUBMITTED,

JOHN V. DAVIDSON
BUSINESS MANAGER.

JVD:MC.

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, 1953:

THE EXPENDITURES OF THIS OFFICE FOR THE YEAR ENDING SEPTEMBER 30, 1953 ARE DIVIDED AS FOLLOWS:

ITEM 0 PERSONAL SERVICES:

GENERAL SUPERVISION INCLUDING VACATIONS

SICK LEAVE AND HOLIDAYS.....	14,743.46
HIGHWAY ENGINEERING.....	39,600.47
SEWER ENGINEERING.....	19,326.77
STREET LINES AND CITY PROPERTY ENGINEERING.....	27,287.87
BRIDGE AND STRUCTURES ENGINEERING.....	2,178.50
OTHER PUBLIC WORKS DIVISION CHARGES.....	1,750.92

TOTAL \$104,887.99

ITEM 1 SERVICES OTHER THAN PERSONAL INCLUDING

EQUIPMENT RENTAL.....	3,916.14
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ITEM 2 MATERIALS AND SUPPLIES.....	1,125.20
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ITEM 5 CAPITAL OUTLAY.....	533.40
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TOTAL \$110,462.73

STREET LINE AND CITY PROPERTY SECTION

NOTICES OF INTENTION TO BUILD:

DURING THE FISCAL YEAR 272 NOTICES OF INTENTION TO BUILD WERE FILED IN THIS OFFICE. TEN OF THESE WERE NOT REQUIRED FOR VARIOUS REASONS. IN RESPONSE TO THE REMAINING 262 NOTICES, THE STREET LINES WERE MARKED ON THE GROUND AT THE DESIGNATED LOCATIONS.

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

THE LINES OF HOPE STREET FROM ROCHAMBEAU AVENUE TO THE CITY LINE AND DOUGLAS AVENUE FROM ORMS STREET TO CHALKSTONE AVENUE WERE RE-RUN AND EXISTING BUILDINGS LOCATED FOR THE PURPOSE OF BRINGING ORIGINAL MAPS UP TO DATE.

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

STREET LINE RECORDS WERE FURNISHED WHEN REQUESTED TO ENGINEERS OF THE STATE DIVISION OF ROADS AND BRIDGES FOR THE HIGHWAYS WITHIN THE CITY CONSTRUCTED UNDER THEIR SUPERVISION.

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

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

SEVERAL ORIGINAL STREET LAY-OUT PLANS WHICH HAD BECOME WORN OUT WERE REPLACED BY DUPLICATES DRAWN FOR OFFICE USE.

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>
BADGER ROAD	SHARON ST. TO HILLVIEW AVE.	463.52
BALCOM STREET	SACKETT ST. TO SOUTHERLY TERMINATION	242.35
BERLIN STREET	CHALKSTONE AVE. TO PLEASANT VALLEY PARKWAY	870.26
CHESHIRE STREET	SALINA ST. TO RANGE OF WESTERLY LINE OF SUSSEX ST.	240.02
CHESHIRE STREET	SALINA ST. TO CORNWALL ST.	360.05
COLUMBUS STREET	DOUGLAS AVE. TO GLASGOW ST.	873.60
FAIRMOUNT AVENUE	MT. PLEASANT AVE. TO YALE AVE.	287.54
GLASGOW STREET	RANGE OF NORTHERLY LINE OF COLUMBUS ST. TO RANGE OF SOUTHERLY LINE OF MESSINA ST.	238.00
GROVER STREET	RANGE OF WESTERLY LINE OF LONGO ST. TO MERINO ST.	253.57
HILLCREST AVENUE	RANGE OF SOUTHERLY LINE OF FREEDOM ROAD TO CHALKSTONE AVE.	450.78
LIEGE STREET	DOUGLAS AVE. TO WESTERLY TERMINATION	568.68
MISSION PLACE	TRINITY PARKWAY TO WESTERLY TERMINATION	310.61
MOUNTAIN STREET	BOND ST. TO BRADFORD ST.	332.48
PAOLINO STREET	KILLINGLY ST. TO CITY LINE	380.81
PRICE STREET	SACKETT ST. TO SOUTHERLY TERMINATION	215.98
PROSPER STREET	LANGDON ST. TO STANHOPE STREET	615.37
RAPHAEL AVENUE	CHARLES ST. TO EASTERLY TERMINATION	561.26
SALTER STREET	ACADEMY AVE. TO MERIDIAN STREET	180.44
SINCLAIR AVENUE	PARKMAN ST. TO PONTIAC STREET	701.45
STANTON STREET	UNION AVE. TO MURRAY STREET	350.08
TRINITY PARKWAY	CATHEDRAL AVE. TO SOUTHERLY TERMINATION	515.05
VAUGHN STREET	NORTHUP AVE. TO NORTHERLY TERMINATION	576.12
WAKEFIELD AVENUE	WESTERLY AVE. TO BRISTOL AVE.	187.43
WALTON STREET	ACADEMY AVE. TO ENFIELD AVENUE	467.38
WESTCOTT AVENUE	FRUIT HILL AVE. TO FIRST ANGLE WESTERLY	228.58
WHITFORD AVENUE	RANGE OF EASTERLY LINE OF KIMBALL ST. TO HOME AVENUE	1042.24
WOODSIDE ROAD	RUBY AVE. TO BRUSH HILL ROAD	426.18
TOTAL (FEET)		11939.83
OR 2.261 MILES.		

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR:

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
HUXLEY AVENUE	CLARENDON AVE. TO SESSIONS STREET	320.36
CLARENDON AVENUE	COLE AVE. TO WESTERLY TERMINATION	350.00
WAYLAND AVENUE	SESSIONS ST. TO NORTHERLY TERMINATION	138.14
TOTAL (FEET)		808.50

THE APPROXIMATE LENGTH OF STREETS PLATTED BUT NOT RECEIVED IS 66.682 MILES.

ADJUSTING THE PREVIOUS TOTAL FOR THE INCREASE LISTED ABOVE AND FOR THE DECREASE DUE TO ABANDONMENTS MAKES THE LENGTH OF RECEIVED STREETS (MEASURED ALONG PROPERTY LINES) 356.254 MILES.

IN ADDITION TO THE ABOVE LENGTH THERE ARE 3.21 MILES OF ROADWAYS IN THE GOVERNOR DENNIS J. ROBERTS EXPRESSWAY.

PLANS AND SURVEYS WERE MADE COVERING THE FOLLOWING PROJECTS:

THOMAS STREET
PLAINFIELD STREET
ATWELLS AND HARRIS AVENUES
EAGLE STREET
INCINERATOR LOT (FIELDS POINT)
PLAINFIELD STREET
HURLEY AND CLARENDON AVENUES
MASHAPPAUG POND (NEAR)
DEXTER TRAINING GROUND
SACKETT STREET PLAYGROUND
WICKENDEN STREET
SEVENTH AND SARAH STREETS
ALLENS AVENUE AND ERNEST STREET
ALLENS AVENUE AND HENDERSON STREET
NEUTACONKANUT PARK
ASTER STREET
ALLENS AVENUE AND ERNEST STREET
WOODSIDE ROAD
EAGLE STREET AND ATWELLS AVENUE
FIELDS POINT
FIELDS POINT AREA
WAYLAND AVENUE
GANO STREET DUMP
PONTIAC STREET
IRVING AVENUE
HOPE STREET
SINCLAIR AVENUE
SOUTH WATER STREET
WHITFORD AVENUE

CONDENMATION FOR HIGHWAY PURPOSES
PROPOSED SALE OF LAND
PROPOSED CUTOFF
PARCEL 4 AREA 0
CROSS SECTIONS
PROPOSED SALE OF LAND
PROPOSED ABANDONMENT
PROPOSED LEASE
LAYOUT OF WALKS
CROSS SECTIONS
PROPOSED LEASE
PROPOSED SALE OF LAND
PROPOSED GARAGE SITE
PROPOSED SALE OF LAND
PROPOSED RIFLE RANGE
PROPOSED ABANDONMENT
CROSS SECTIONS
PROPOSED ABANDONMENT
PROPOSED LEASE
PROPOSED LEASE
SOUTHERLY END
PROPOSED ABANDONMENT
PROPOSED FENCE
PROPOSED LEASE
PROPOSED SALE OF LAND
PROPOSED SALE OF LAND
PROPOSED SALE OF LAND
PROPOSED ABANDONMENT (PORTION)
PROPOSED SALE OF LAND

NUMEROUS PLANS WERE MADE 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:

CRANSTON AND FORD STREETS
GOVERNOR, WATERMAN AND ANGELL STREETS
ALLSTON AND BOYD STREETS
TURNER STREET
PLAINFIELD STREET
SACKETT AND NIAGARA STREETS
PLAINFIELD STREET AND LOWELL AVENUE
CHALKSTONE AND STANDISH AVENUES
POTTERS AVENUE

DOUGLAS AVENUE
MORRIS AVENUE AND EAMES STREET
NORTH MAIN AND OLNEY STREETS
ATWELLS AVENUE
COGGESHALL AND ADMIRAL STREETS
SALMON, KING AND DEARBORN STREETS
ATWELLS AVENUE
HARTFORD AVENUE AND KINFIELD STREET
SMITHFIELD AVENUE AND NELLIE STREET

NORTH BURIAL GROUND

DURING THE YEAR 58 DEEDS TO LOTS CONVEYED BY THE CITY AND 38 CERTIFICATES OF PERPETUAL CARE HAVE BEEN DRAWN UP. PORTIONS OF NEW SECTIONS HAVE BEEN STAKED OUT ON THE GROUND AND SELLING PLANS HAVE BEEN DRAWN AS REQUESTED BY THE SUPERINTENDENT.

LINES AND GRADES WERE WORKED OUT FOR THE NEW WALKS AT THE DEXTER TRAINING GROUND AND MARKED ON THE GROUND.

THE MAGNETIC VARIATION OF THE COMPASS WAS OBSERVED AND RECORDED.

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

THE ANNUAL TABULATION OF ALL REAL ESTATE OWNED BY THE CITY SHOWING THE DIFFERENT CLASSIFICATIONS ACCORDING TO USE, INCLUDING THE VALUATIONS FURNISHED BY THE CITY ASSESSOR WAS PREPARED FOR INCLUSION IN THE ANNUAL REPORT OF THE CITY CONTROLLER.

RESOLUTIONS OF THE CITY COUNCIL WERE PREPARED COVERING ALL ACTIONS RELATING TO STREETS AND HIGHWAYS.

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

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

GRADES WERE WORKED OUT FOR THE NEW SACKETT STREET PLAYGROUND AND MARKED ON THE GROUND.

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

MAPS OF THE CITY PUBLISHED BY VARIOUS MAP MAKING COMPANIES AND SENT TO THIS SECTION FOR CURRENT CHANGES IN POINTS OF INTEREST, THROUGH ROUTES, STREET NAME CHANGES, ADDITIONS OR ABANDONMENTS WERE REVISED 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 TWO STREETS, COVERING THIRTY ONE APPLICATIONS.

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

PROFILES: PROFILES OF SUNDRY STREETS, APPROXIMATELY 1.30 MILES HAVE BEEN MADE FOR THE PURPOSE OF DEFINING GRADES. THE CONTOURS OF THE CENTER AND SIDE LINES ARE SHOWN AT FIFTY FT. STATIONS, ALSO THE LEVELS OF THE SILLS AND GROUND LINES OF THE HOUSES ADJOINING THE STREETS. THE PLAN ACCOMPANYING THE PROFILE SHOWS THE 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. APPROXIMATE ESTIMATES OF THE AMOUNTS OF MATERIAL REQUIRED IN RESURFACING, REPAIRING OR RECONSTRUCTING SUNDRY STREETS WERE FURNISHED THE HIGHWAY DEPARTMENT.

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

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

STREET	(TYPE-BITUMINOUS CONCRETE)	SQ.YDS
ANTHONY AVENUE	CRANSTON ST. TO HUNTINGTON AVE.	2087
AUTUMN STREET	EDDY ST. TO RUGBY STREET	1311
AYRAULT STREET	VALLEY ST. TO CHALKSTONE AVENUE	2929
BELMONT AVENUE	ACADEMY AVE. TO BELMONT AVENUE	3270
CALDER STREET	POTTERS AVE. TO HUNTINGTON AVENUE	1544
CARLISLE STREET	ELMWOOD AVE. TO ALGER AVENUE	1262
CHARLESFIELD STREET	BENEFIT ST. TO HOPE STREET	6303
CLAREMONT AVENUE	CHALKSTONE AVE. TO ROANOKE STREET	1497
DESOTO STREET	GROVE ST. TO WOONASQUATUCKET RIVER	2347
ELLERY STREET	CHAPIN AVE. TO UNION AVENUE	4013
FELIX STREET	ORMS ST. TO CHALKSTONE AVENUE	2176
FORD STREET	CRANSTON ST. TO DEXTER STREET	3706
GIFFORD STREET	PLAINFIELD ST. TO LABAN STREET	1227
GROVE STREET	VALLEY ST. TO HARRIS AVENUE	1016
HELME STREET	VALLEY ST. TO HARRIS AVENUE	1304
JENCKES STREET	PRATT ST. TO PROSPECT STREET	1477
LOCUST STREET	KNOWLES ST. TO EAST SIDE MT. HOPE AVENUE	1472
MADISON STREET	POTTERS AVE. TO HUNTINGTON AVENUE	1512
MT. HOPE AVENUE	LOCUST ST. TO HOPE STREET	3074
MT. PLEASANT AVENUE	WHITFORD AVE. TO SMITH STREET	18730
ORMSBEE AVENUE	SMITH ST. TO ORMS STREET	2900
PAYTON STREET	BROAD ST. TO ROGER WILLIAMS PARK	3314
POST OFFICE CT.	WEYBOSSET ST. TO DYER STREET	265
POTTERS AVENUE	CRANSTON ST. TO BRATTLE STREET	2925
PRINCE STREET	POINT ST. TO FRIENDSHIP STREET	435
PROGRESS AVENUE	WEBSTER AVE. TO TERRACE AVENUE	2376
PROSPECT STREET	GEORGE ST. TO ANGELL STREET	2790
RIDGE STREET	TOBEY ST. TO ATWELLS AVENUE	4107
SASSAFRAS STREET	BROAD ST. TO NIAGARA STREET	3340
STANSBURY STREET	DOUGLAS AVE. TO GRAND BROADWAY	2430
TABER AVENUE	ANGELL ST. TO SESSIONS STREET	14759
TAFT AVENUE	SESSIONS ST. TO SAVOY STREET	2944
TERRACE AVENUE	UNION AVE. TO LAUREL HILL AVENUE	4870
TOBEY STREET	BROADWAY TO PENN STREET	1638
TROY STREET	MAGNOLIA ST. TO WESTMINSTER STREET	2117
VINEYARD STREET	POTTERS AVE. TO CARTER STREET	1861
VINTON STREET	CARPENTER ST. TO ATWELLS AVENUE	5423
WHITNEY STREET	ELMWOOD AVE. TO ALGER AVENUE	1503

TOTAL.....122254

HIGHWAYS RECONSTRUCTED BY STATE DEPARTMENT OF PUBLIC WORKS

STREET		SQ.YDS.	TYPE
EAGLE STREET	WOONASQUATUCKET RIVER BRIDGE TO ATWELLS AVENUE	13,324.0	SHEET ASPHALT
ELMGROVE AVENUE	ANGELL ST. TO BLACKSTONE BLVD.	40,950.0	" "
HARRIS AVENUE	ATWELLS AVE. TO EXPRESSWAY	3,515.0	" "
KINSLEY AVENUE	SIMS AVE. TO EAGLE STREET	2,024.4	BITUMINOUS CONCRETE
OLNEYVILLE SQUARE		6,477.0	SHEET ASPHALT
PONTIAC AVENUE	RESERVOIR AVENUE TO CITY LINE	2,726.0	" "
SMITH ST., RIVER BRIDGE TO POINT 426 FT. EAST OF FRANCIS ST.		3,885.2	BITUMINOUS CONCRETE
SMITH ST., POINT 426 FT. EAST OF FRANCIS ST. TO FRANCIS ST.		3,306.7	SHEET ASPHALT

<u>STREET</u>	<u>SQ.YDS.</u>	<u>TYPE</u>
THOMAS STREET, NORTH MAIN ST. TO BENEFIT STREET	1,348.3	BITUMINOUS CONCRETE
TOTAL	77,556.6	

SPECIAL HIGHWAY CONSTRUCTION BY CITY OF PROVIDENCE UNDER CONTRACT

<u>STREET</u>	<u>SQ.YDS.</u>	<u>TYPE</u>
ABORN STREET WESTMINSTER ST. TO FOUNTAIN STREET	1464.3	SHEET ASPHALT
CANAL STREET STEEPLE ST. TO NORTH CURB OF SMITH ST.	10368.4	" "
CANAL STREET SMITH ST. TO MILL STREET	1682.8	" "
CHAPEL STREET MATHEWSON ST. TO EAST SIDE SYMONDS ST.	735.0	" "
CHAPEL STREET EAST SIDE SYMONDS ST. TO EMPIRE ST.	393.6	BITUMINOUS CONCRETE
CHARLES STREET CHALKSTONE AVE. TO ANGLE SOUTH OF BRANCH AVENUE	17108.2	SHEET ASPHALT
COLE AVENUE SESSIONS ST. TO ELMGROVE AVENUE	13876.0	" "
CUSTOM HOUSE ST. WEYBOSSET ST. TO DYER STREET	734.0	" "
EDDY STREET WORCESTER ST. TO WEYBOSSET STREET	2025.0	" "
FULTON STREET EDDY ST. TO DORRANCE STREET	795.0	" "
GARNET STREET PINE ST. TO FRIENDSHIP STREET	697.0	" "
HARTFORD AVENUE HEATH ST. TO CITY LINE	22546.0	" "
MILL STREET NORTH MAIN ST. TO CHARLES STREET	2267.5	" "
SMITH STREET NORTH MAIN ST. TO CANAL STREET	515.0	BITUMINOUS CONCRETE
SNOW STREET WASHINGTON ST. TO CHAPEL STREET	1160.0	SHEET ASPHALT
SNOW STREET CHAPEL ST. TO WEYBOSSET STREET	365.0	BITUMINOUS CONCRETE
UNION STREET WEYBOSSET ST. TO SABIN STREET	2378.0	SHEET ASPHALT
WORCESTER STREET UNION ST. TO DORRANCE STREET	577.0	" "
TOTAL.....	79687.8	

HIGHWAYS CONSTRUCTED BY UNITED TRANSIT COMPANY

MATHEWSON STREET, WASHINGTON ST. TO WEYBOSSET STREET	1819.8	SHEET ASPHALT
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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>
ALLSTON STREET	RIVER AVE. TO BRYANT STREET	780
ALLSTON STREET	BRYANT ST. TO HAROLD STREET	1160
BADGER ROAD	SHARON ST. TO HILLVIEW STREET	1865
BARBARA STREET	GLENBRIDGE AVE. TO PONASANSETT AVENUE	2228
BERLIN STREET	CHALKSTONE AVE. TO PLEASANT VALLEY PARKWAY	2450
BRYANT STREET	ALLSTON ST. TO REGENT AVENUE	677
CASS STREET	EDDY ST. TO ERNEST STREET	777
COLUMBUS STREET	DOUGLAS AVE. TO GLASGOW STREET	2300
CHATHAM STREET	NORTHUP AVE. TO ASHTON STREET	2450
CUMBERLAND STREET	ADMIRAL ST. TO SANDRINGHAM AVENUE	1731
DEDHAM AVENUE	KILLINGLY ST. TO POINT NORTHERLY	1765
ETNA STREET	CLEVELAND ST. TO HARTFORD AVENUE	1040
FILLMORE STREET	ADMIRAL ST TO OREGON STREET	2400
FORSYTH STREET	COGGESHALL ST. TO MOWRY STREET	980
GLASGOW STREET	N. LINE COLUMBUS ST. TO S. LINE MESSINA STREET	650
GROVER STREET	W. LINE LONGO ST. TO MERINO STREET	700
HANCOCK STREET	RECEIVED PORTION TO MAGDALENE STREET	276
HENRIETTA STREET	WILD ST. TO MOY STREET	790
MANOMET STREET	WINTHROP AVE. TO STANDISH AVENUE	473
OCTAVIA STREET	SISSON ST. TO WESTERLY TERMINATION	825
PAOLINO STREET	KILLINGLY ST. TO CITY LINE	1050
PROSPER STREET	LANGDON ST. TO STANHOPE STREET	1700

<u>STREET</u>	<u>TYPE (BITUMINOUS MACADAM)</u>	<u>SQ.YDS</u>
SALMON STREET	KING STREET TO POINT SOUTHERLY	925
STANTON STREET	UNION AVE. TO MURRAY STREET	1150
STONELAW STREET	550 FT. EAST OF SHARON ST. TO RIVER AVENUE	987
TOURO STREET	BRANCH AVE. TO LOMBARD STREET	2525
VAUGHN STREET	NORTHUP AVE. TO NORTHERLY TERMINATION	1500
WALTON STREET	ACADEMY AVE. TO ENFIELD AVENUE	1350
TOTAL.....		37,504

THE FOLLOWING STREETS WERE SEAL-COATED

<u>STREET</u>		<u>SQ.YDS</u>
EIGHTH STREET	LORIMER AVE. TO HOPE STREET	1251
HARTSHORN ROAD	BLACKSTONE BLVD. TO LORIMER AVENUE	2590
HARWICH ROAD	BLACKSTONE BLVD. TO ELMGROVE AVENUE	3241
INTERVALE ROAD	BLACKSTONE BLVD. TO HOLLY STREET	4491
IVY STREET	CYPRESS ST. TO ROCHAMBEAU AVENUE	5856
KEENE STREET	HOPE ST. TO PROSPECT STREET	4819
LORIMER AVENUE	BLACKSTONE BLVD. TO EIGHTH STREET	4861
PHILLIPS STREET	HOPE ST. TO MORRIS AVENUE	923
SUMMIT AVENUE	ROCHAMBEAU AVE. TO TENTH STREET	8940
WESTFORD ROAD	BLACKSTONE BLVD. TO HOLLY STREET	3945
WINGATE ROAD	BLACKSTONE BLVD. TO ELMGROVE AVENUE	3416
TOTAL.....		44333

CONSTRUCTION WAS IN PROGRESS IN THE FOLLOWING STREETS ON SEPTEMBER 30, 1953.

BALCOM ST., SACKETT ST. TO SOUTHERLY TERMINATION
 CHARLES ST., SMITH ST. TO MILL STREET
 CHESHIRE ST., SALINA ST. TO CORNWALL STREET
 EDDY ST., POINT ST. TO CRARY STREET
 EXCHANGE PLACE
 EXCHANGE ST., EXCHANGE PLACE TO DYER STREET
 HILLCREST AVENUE, SOUTH LINE FREEDOM RD. TO CHALKSTONE AVENUE
 LIEGE STREET, DOUGLAS AVE. TO WESTERLY TERMINATION
 LORIMER AVENUE, EIGHTH ST. TO ROCHAMBEAU AVENUE
 MIDDLE STREET, UNION ST. TO DORRANCE STREET
 MISSION PLACE, TRINITY PARKWAY TO WESTERLY TERMINATION
 MOUNTAIN STREET, BOND ST. TO BRADFORD STREET
 POINT STREET, RICHMOND ST. TO BRIDGE
 PRICE STREET, SACKETT ST. TO SOUTHERLY TERMINATION
 RALPH STREET, PLAINFIELD ST. TO DORCHESTER AVENUE
 RICHMOND STREET, SHIP ST. TO EDDY STREET
 ROWLEY STREET, CHALKSTONE AVE. TO NORTH LINE BATTERSON STREET
 SINCLAIR AVENUE, PARKMAN STREET TO PONTIAC AVENUE
 SMITHFIELD AVENUE, BRANCH AVE. TO CEMETERY STREET
 TRINITY PARKWAY, CATHEDRAL AVENUE TO SOUTHERLY TERMINATION
 WAKEFIELD AVENUE, WESTERLY AVE. TO BRISTOL AVENUE
 WESTCOTT AVENUE, FRUIT HILL AVE. TO ANGLE WESTERLY
 WHITFORD AVENUE, EAST LINE KIMBALL ST. TO HOME AVENUE
 WOLCOTT STREET, VALLEY ST. TO REGENT AVENUE
 WOODSIDE ROAD, RUBY AVE. TO BRUSH HILL ROAD
 ROWLEY STREET, CHALKSTONE AVE. TO GERARDI AVENUE

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>
CRARY STREET, ALLENS AVENUE TO EAST LINE OF UNNAMED STREET	DEC. 5, 1940	276
CUTLER STREET, NEWARK ST. TO ATWELLS AVENUE	AUG. 7, 1952	206
FAIRMOUNT AVENUE, MT. PLEASANT AVE. TO YALE AVENUE	MAY 8, 1953	307
RAPHAEL AVENUE, CHARLES ST. TO EASTERLY TERMINATION	SEPT. 4, 1953	570
SALMER STREET, ACADEMY AVE. TO MERIDIAN STREET	SEPT. 4, 1953	198
TRAINOR STREET, ACORN ST. TO BALBO AVENUE	JUNE 20, 1935	249
UNNAMED PLATTED STREET, CRARY ST. TO GLOBE STREET	DEC. 5, 1940	117
	TOTAL.....	1923

PETITIONS TO HAVE GRADE DEFINED

<u>DATE</u>	<u>STREET AND LOCATION</u>
OCT. 7, 1948	WELL STREET, FROM POWER ST. TO WILLIAMS STREET
OCT. 21, 1948	SHERWOOD STREET, FROM DOUGLAS AVE. TO CORNWALL STREET
OCT. 21, 1948	LOCUST STREET, FROM MT. HOPE AVE. TO WESTERLY TERMINATION
MAR. 24, 1949	CULVER STREET, FROM WILLARD AVE. TO BLACKSTONE STREET
MAY 5, 1949	BINGHAM STREET, FROM BRANCH AVE. TO CAXTON STREET
MAY 5, 1949	CARDER STREET, FROM CAXTON ST. TO SOUTHERLY TERMINATION
MAY 5, 1949	CAXTON STREET, FROM VEAZIE ST. TO NORTHERLY TERMINATION
JULY 7, 1949	GREELEY STREET, FROM HAGAN ST. TO AVENTINE AVENUE
JULY 7, 1949	ISABELLA AVE., FROM ENFIELD AVE. TO SHARON STREET
AUG. 4, 1949	SUNBURY STREET, FROM CUMBERLAND ST. TO RIVER AVENUE
SEPT. 1, 1949	MOUNT AVENUE, FROM BLACKSTONE BLVD. TO GROTTO AVENUE
SEPT. 15, 1949	SECOND STREET, FROM HIGHLAND AVE. TO CRESTON WAY
SEPT. 15, 1949	BALMORAL AVENUE, FROM RIVER AVE. TO LASALLE DRIVE
DEC. 1, 1949	NORTH AVENUE, FROM HOPE ST. TO BLACKSTONE BLVD.
DEC. 1, 1949	GROTTO AVENUE, FROM UPTON AVE. TO NORTHERLY TERMINATION
JUL. 6, 1950	PEQUOT STREET, FROM ATWELLS AVE. TO MOUNTAIN STREET
OCT. 19, 1950	ALEPPO STREET, FROM PELHAM ST. TO ITS TERMINATION
DEC. 7, 1950	SIBYL STREET, FROM MERCY ST. TO MURRAY STREET
DEC. 21, 1950	PORTER STREET, FROM ERNEST ST. TO EDDY STREET
JAN. 18, 1951	SCHOOL STREET, FROM VALLEY ST. TO HARRIS AVENUE
JAN. 18, 1951	WELYN STREET, FROM UNION AVE. TO PRUDENCE AVENUE
APR. 19, 1951	MESSENGER STREET, FROM ATWELLS AVE. TO SPRUCE STREET
MAY 3, 1951	BENEDICT STREET, FROM CRANSTON ST. TO HUNTINGTON AVENUE
JUNE 7, 1951	RAPHAEL AVENUE, FROM LANGDON ST. TO CHARLES STREET.
JUNE 7, 1951	GLOSSOP STREET, FROM WOONASQUATUCKET AVE. TO FRUIT HILL AVENUE
JUNE 7, 1951	OAKWOOD AVENUE, FROM CHALKSTONE AVE. TO FREEDOM ROAD
MAY 5, 1951	JOY STREET, FROM RIVER AVE. TO ITS WESTERLY TERMINATION
AUG. 9, 1951	KINFIELD STREET, FROM HARTFORD AVE. TO BARBARA STREET
AUG. 9, 1951	FAIR STREET, FROM SEAMANS ST. TO PHEBE STREET
SEPT. 6, 1951	LEO AVENUE, FROM CHARLES ST. TO LANGDON STREET
SEPT. 20, 1951	EDWARD STREET, FROM NORTHUP AVE. TO ITS NORTHERLY TERMINATION
OCT. 4, 1951	BRINKLEY STREET, FROM CHALKSTONE AVE. TO ITS SOUTHERLY TERMINATION
OCT. 4, 1951	SAMOSSET AVENUE, FROM CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION
NOV. 1, 1951	STEELE STREET, FROM WOODBINE ST. TO LANCASTER STREET
NOV. 15, 1951	WISE COURT, FROM WILLOW ST. TO ITS TERMINATION
DEC. 6, 1951	BALTIMORE STREET, FROM THE SECOND ANGLE EAST OF MANTON AVE. TO FERRIS ST.
JAN. 17, 1951	ERIE STREET, FROM SHARON ST. TO ROME AVENUE
FEB. 7, 1952	EDENDALE AVENUE, FROM FRUIT HILL AVE. TO ITS TERMINATION
FEB. 7, 1952	VICTOR EMANUEL AVENUE, FROM LANGDON ST. TO STANHOPE STREET
FEB. 7, 1952	STANSBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
FEB. 21, 1952	WAITE STREET, FROM ADMIRAL ST. TO GENERAL STREET
MAY 15, 1952	ANGELO AVENUE, FROM CHARLES ST. TO LEO AVENUE
AUG. 7, 1952	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
AUG. 7, 1952	STOCKTON STREET, FROM DART ST. TO ITS EASTERLY TERMINATION

AUG. 7, 1952	ENFIELD AVENUE, FROM NAPLES AVE. TO ISABELLA AVENUE
AUG. 7, 1952	GLOUCESTER STREET, FROM ADMIRAL ST. TO SUNBURY STREET
AUG. 7, 1952	PORTER STREET, FROM ERNEST ST. TO EDDY STREET
SEPT. 4, 1952	AURORA STREET, FROM HAROLD ST. TO RIVER AVENUE
OCT. 2, 1952	OKIE STREET, FROM BATH ST. TO ITS TERMINATION
DEC. 4, 1952	MCGREGOR STREET, FROM LANGDON ST. TO STANHOPE STREET
DEC. 4, 1952	GREELEY STREET, FROM HAGAN ST. TO ALASKA STREET
JAN. 15, 1953	DEFOE PLACE, FROM CONGDON ST. TO ANGELL STREET
FEB. 5, 1953	TICKNOR STREET, FROM SISSON ST. TO RUSHMORE AVENUE
FEB. 19, 1953	SMART STREET, FROM CHARLES ST. TO WINDMILL STREET
MAR. 19, 1953	BATCHELLER AVENUE, FROM SILVER SPRING ST. TO ARGOL STREET
MAR. 19, 1953	SINCLAIR AVENUE, FROM ALEXANDER ST. TO ITS EASTERLY TERMINATION
APR. 2, 1953	UDELL STREET, FROM LANGDON ST. TO STANHOPE STREET
APR. 16, 1953	MYRA STREET, FROM KILLINGLY ST. TO BOUNDARY AVENUE
APR. 16, 1953	BARBARA STREET, FROM KING PHILIP ST. TO MIDDLETON STREET
APR. 16, 1953	STELLA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 7, 1953	BARDEN STREET, FROM PONAGANSETT ST. TO MELISSA STREET
AUG. 6, 1953	CLEMATIS STREET, FROM MALLOY ST. TO GLOVER STREET
AUG. 6, 1953	MILLARD STREET, FROM PAVILION AVE. TO NEBRASKA STREET
SEPT. 3, 1953	HERBERT STREET, FROM CHALKSTONE AVE. TO GERARD STREET

PETITIONED FOR CURBING AND GRADING

<u>DATE</u>	<u>STREET AND LOCATION</u>
JULY 10, 1947	GALLILEO AVENUE, FROM CHALKSTONE AVE. NORTHERLY
JULY 10, 1947	NAHANT STREET, FROM OPPER ST. TO RUSSO STREET
AUG. 14, 1947	ALEPPO STREET, FROM WEST END RECEIVED PORTION TO BOSWORTH STREET
OCT. 7, 1948	WELL STREET, FROM POWER ST. TO WILLIAMS STREET
OCT. 21, 1948	SHERWOOD STREET, FROM DOUGLAS AVE. TO CORNWALL ST.
MAY 5, 1949	BINGHAM STREET, FROM BRANCH AVE. TO CAXTON STREET
MAY 5, 1949	CARDER STREET, FROM CAXTON ST. TO SOUTHERLY TERMINATION
MAY 5, 1949	CAXTON STREET, FROM VEAZIE ST. TO NORTHERLY TERMINATION
JUNE 2, 1949	FAIRFIELD AVENUE, FROM PORTION NOW RECEIVED TO RICHLAND AVENUE
JULY 7, 1949	GREELEY STREET, FROM HAGAN ST. TO AVENTINE AVENUE
JULY 7, 1949	ISABELLA AVENUE, FROM ENFIELD AVE. TO SHARON STREET
AUG. 4, 1949	SUNBURY STREET, FROM CUMBERLAND ST. TO RIVER AVENUE
SEPT. 15, 1949	SECOND STREET, FROM HIGHLAND AVE. TO CRESTON WAY
SEPT. 15, 1949	BALMORAL AVENUE, FROM RIVER AVE. TO LASALLE DRIVE
DEC. 1, 1949	NORTH AVENUE, FROM HOPE ST. TO BLACKSTONE BLVD.
DEC. 1, 1949	GROTTO AVENUE, FROM UPTON AVE. TO NORTHERLY TERMINATION
JULY 6, 1950	LONGFELLOW TERRACE, FROM LONGFELLOW ST. TO ROGER WILLIAMS AVENUE
JULY 6, 1950	TIFFANY STREET, FROM CHALKSTONE AVE. TO PLEASANT VALLEY PARKWAY
JULY 6, 1950	COMET STREET, FROM SWISS ST. TO GESLER STREET
JULY 6, 1950	WISE COURT, FROM WILLOW ST. TO HUDSON STREET
AUG. 10, 1950	DERRY STREET, FROM GEOFFREY ST. TO OREGON STREET
SEPT. 7, 1950	ELIZA STREET, FROM HARTFORD AVE. TO KILLINGLY STREET
OCT. 19, 1950	ALEPPO STREET, FROM PELHAM ST. TO ITS TERMINATION
DEC. 7, 1950	SIBYL STREET, FROM MERCY ST. TO MURRAY STREET
DEC. 21, 1950	PORTER STREET, FROM ERNEST ST. TO EDDY STREET
JAN. 18, 1951	CHADE DRIVE, FROM CHACE AVENUE TO ITS TERMINATION
JAN. 18, 1951	CHACE AVENUE, FROM TOP ST. TO GREATER DRIVE
JAN. 18, 1951	LABAN STREET, FROM LAUREL HILL AVE. TO PLAINFIELD STREET
JAN. 18, 1951	SCHOOL STREET, FROM VALLEY ST. TO HARRIS AVENUE
JAN. 18, 1951	EVELYN STREET, FROM UNION AVE. TO PRUDENCE AVENUE
APR. 5, 1951	MANHATTAN STREET, FROM LANGDON ST. TO STANHOPE STREET
APR. 19, 1951	MESSANGER STREET, FROM ATWELLS AVE. TO SPRUCE STREET
MAY 3, 1951	BENEDICT STREET, FROM CRANSTON ST. TO HUNTINGTON AVENUE
JUNE 7, 1951	RAPHAEL AVENUE, FROM LANGDON ST. TO CHARLES ST.

JUNE 7, 1951	GLOSSOP STREET, FROM WOONASQUATUCKET AVE. TO FRUIT HILL AVENUE
JUNE 7, 1951	OAKWOOD AVENUE, FROM CHALKSTONE AVE. TO FREEDOM ROAD
JULY 5, 1951	JOY STREET, FROM RIVER AVE. TO ITS WESTERLY TERMINATION
AUG. 9, 1951	KINFIELD STREET, FROM HARTFORD AVE. TO BARBARA STREET
AUG. 9, 1951	FAIR STREET, FROM SEAMENS ST. TO PHEBE STREET
SEPT. 6, 1951	LEO AVENUE, FROM CHARLES ST. TO LANGDON STREET
SEPT. 20, 1951	EDWARD STREET, FROM NORTHUP AVE. TO ITS NORTHERLY TERMINATION
OCT. 4, 1951	BRINKLEY STREET, FROM CHALKSTONE AVE. TO ITS SOUTHERLY TERMINATION
OCT. 4, 1951	SAMOSSET AVENUE, FROM CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION
NOV. 15, 1951	WISE COURT, FROM WILLOW ST. TO ITS TERMINATION
DEC. 6, 1951	BALTIMORE STREET, FROM THE SECOND ANGLE EAST OF MANTON AVE. TO FERRIS ST.
JAN. 17, 1952	ERIE STREET, FROM SHARON ST. TO ROME AVENUE
FEB. 7, 1952	EDENDALE AVENUE, FROM FRUIT HILL AVE. TO ITS TERMINATION
FEB. 7, 1952	VICTOR EMANUEL AVENUE, FROM LANGDON ST. TO STANHOPE STREET
FEB. 7, 1952	STANSBURY STREET, FROM GRAND BROADWAY TO ITS EASTERLY TERMINATION
FEB. 21, 1952	WAITE STREET, FROM ADMIRAL ST. TO GENERAL STREET
MAY 15, 1952	ANGELO AVENUE, FROM CHARLES ST. TO LEO AVENUE
AUG. 7, 1952	AMITY STREET, FROM ACADEMY AVE. TO PEMBERTON STREET
AUG. 7, 1952	STOCKTON STREET, FROM DART ST. TO ITS EASTERLY TERMINATION
AUG. 7, 1952	ENFIELD AVENUE, FROM NAPLES AVE. TO ISABELLA AVENUE
AUG. 7, 1952	GLOUCESTER STREET, FROM ADMIRAL ST. TO SUNBURY STREET
AUG. 7, 1952	PORTER STREET, FROM ERNEST ST. TO EDDY STREET
SEPT. 4, 1952	AURORA STREET, FROM HAROLD ST. TO RIVER AVENUE
OCT. 2, 1952	OKIE STREET, FROM BATH ST. TO ITS TERMINATION
DEC. 4, 1952	MAGGREGOR STREET, FROM LANGDON ST. TO STANHOPE STREET
DEC. 4, 1952	GREELEY STREET, FROM HAGAN ST. TO ALASKA STREET.
FEB. 5, 1953	TICKNOR STREET, FROM Sisson ST. TO RUSHMORE AVENUE
FEB. 19, 1953	SMART STREET, FROM CHARLES ST. TO WINDMILL STREET
MAR. 19, 1953	BATCHELLER AVENUE, FROM SILVER SPRING ST. TO ARGOL STREET
MAR. 19, 1953	SINCLAIR AVENUE, FROM ALEXANDER ST. TO ITS EASTERLY TERMINATION
APR. 2, 1953	UDELL STREET, FROM LANGDON ST. TO STANHOPE STREET
APR. 16, 1953	RAPHAEL AVENUE, FROM CHARLES ST. TO LANGDON STREET
APR. 16, 1953	MYRA STREET, FROM KILLINGLY ST. TO BOUNDARY AVENUE
APR. 16, 1953	BARBARA STREET, FROM KING PHILIP ST. TO MIDDLETON STREET
APR. 16, 1953	STELLA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 7, 1953	BARDEN STREET, FROM PONAGANSETT ST. TO MELISSA STREET
JULY 16, 1953	BALCH STREET, FROM NIAN TIC AVE. TO CALHOUN AVENUE
JULY 16, 1953	FRANKFORT STREET, FROM BURRINGTON ST. TO BALCH STREET
JULY 16, 1953	TYLER STREET, FROM NIAN TIC AVE. TO FAITH STREET
AUG. 6, 1953	CLEMATIS STREET, FROM MALLOY ST. TO GLOVER STREET
AUG. 6, 1953	MILLARD STREET, FROM PAVILION AVE. TO NEBRASKA STREET
SEPT. 3, 1953	NAHANT STREET, FROM RUSSO ST. TO OPPER STREET
SEPT. 3, 1953	AUGUSTA STREET, FROM SEAMENS ST. TO DURHAM STREET

SUMMARY TO OCTOBER 1, 1953.

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

<u>TYPES OF PAVEMENT</u>	<u>LENGTHS MILES</u>	<u>AREA SQ. YDS.</u>
REINFORCED CONCRETE	1.05	36,504.6
BITUMINOUS CONCRETE (CURBED)	68.71	1,281,447.0
BITUMINOUS CONCRETE (NOT CURBED)	3.37	57,221.3
SHEET ASPHALT (CURBED)	66.32	1,577,448.4
SHEET ASPHALT (NOT CURBED)	0.30	4,195.0
BITUMINOUS MACADAM (CURBED)	195.06	3,018,755.8
BITUMINOUS MACADAM (NOT CURBED)	4.25	74,249.0
ASPHALT BLOCKS	0.14	1,555.4
BRICK	0.02	197.2
COBBLE	0.49	4,707.5
GRANITE BLOCKS	5.47	104,143.2
WATERBOUND MACADAM (CURBED)	4.51	70,974.0
WATERBOUND MACADAM (NOT CURBED)	2.06	30,017.0
	351.75	6,261,415.4
RECEIVED (NOT IMPROVED)	3.59	
TOTAL.....	355.34	

THE FOLLOWING WORK HAS BEEN COMPLETED DURING THE YEAR NAMELY:

STREETS PAVED WITH NEW MATERIAL	99,363 LINEAR FEET
SHEET ASPHALT PAVEMENT LAID	150,532.7 SQUARE YARDS
BITUMINOUS CONCRETE PAVEMENT LAID	130,785.5 SQUARE YARDS
BITUMINOUS MACADAM PAVEMENT LAID	37,504.0 SQUARE YARDS

SEWER SECTION

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

RECORD PLANS WERE MADE FOR FUTURE REFERENCE OF 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 EIGHTEEN STREETS BY THE CAPALDI BROS. CONSTRUCTION CO., DATED APRIL 21, 1952, WAS COMPLETED. THE EIGHTEEN STREETS INVOLVED ARE AS FOLLOWS, WITH THE DATES OF COMPLETION NOTED. THE TOTAL CONTRACT PRICE PAID EQUALED \$174,798.88 AND THE CONTRACT COMPLETION DATE WAS FEBRUARY 16, 1953.

DATES

COMPLETED

NOV. 29, 1952	BADGER ROAD, FROM NEAR HILLVIEW AVE. TO SHARON STREET
AUG. 13, 1952	CORNWALL STREET, FROM SHERWOOD ST. TO VANDEWATER STREET
JAN. 7, 1953	ELIZA STREET, FROM KILLINGLY ST. TO HARTFORD AVENUE
JULY 19, 1952	FREESE STREET, FROM NEAR FARM ST. TO BOLTON AVENUE
FEB. 16, 1953	LIEGE STREET, FROM ITS WESTERLY TERMINATION TO PRESENT SEWER IN LIEGE ST.
JAN. 5, 1953	MOUNTAIN STREET, FROM NEAR BRADFORD ST. TO BOND STREET
SEPT. 20, 1952	RAPHAEL AVENUE, FROM ITS EASTERLY TERMINATION TO CHARLES STREET
AUG. 13, 1952	SHERWOOD STREET, FROM NEAR DOUGLAS AVE. TO CORNWALL STREET

JUNE 3, 1952	SINCLAIR AVENUE, FROM NEAR PARKMAN ST. TO PRESENT SEWER IN SINCLAIR AVE.
AUG. 23, 1952	STONELAW AVENUE, FROM NEAR RIVER AVE. TO THE END OF PRESENT SEWER APPROXIMATELY 500 FEET EAST OF SHARON STREET
JUNE 25, 1952	WADSWORTH STREET, FROM NEAR SORRENTO ST. TO HUNTINGTON AVENUE
JUNE 20, 1952	WAKEFIELD STREET, FROM NEAR WESTERLY AVENUE TO BRISTOL AVENUE
AUG. 5, 1952	WALTON STREET, FROM ENFIELD AVE. TO MERIDIAN STREET
OCT. 7, 1952	WESTCOTT AVENUE, FROM 250 FEET WEST OF FRUIT HILL AVE. TO FRUIT HILL AVE.
SEPT. 27, 1952	WEST PARK STREET, FROM 285 FEET NORTH OF CALVERLY ST. TO CALVERLY STREET
JUNE 27, 1952	WHITFORD AVENUE, FROM LAWN ST. TO HOME AVENUE
OCT. 28, 1952	WISE COURT, FROM ITS WESTERLY TERMINATION TO WILLOW STREET
JUNE 25, 1952	WOODSIDE ROAD, FROM RUBY AVE. TO BRUSH HILL ROAD

A CONTRACT FOR SEWERS TO BE BUILT IN TWENTY-ONE STREETS BY THE CAPALDI BROS. CONSTRUCTION CO. DATED MAY 5, 1953 IS NOW IN CONSTRUCTION. THE STREETS INVOLVED ARE AS FOLLOWS WITH THE DATES OF COMPLETION NOTED. ESTIMATED VALUE OF THE WORK DONE EQUALS \$156,433.00. TOTAL CONTRACT IN THE AMOUNT OF \$257,702.00

DATES

COMPLETED

INCOMPLETE
SEPT. 25, 1953
INCOMPLETE
NOT STARTED
NOT STARTED
NOT STARTED
INCOMPLETE
SEPT. 23, 1953
INCOMPLETE
INCOMPLETE
NOT STARTED
INCOMPLETE
INCOMPLETE
JUNE 23, 1953
JULY 24, 1953
NOT STARTED

PORTER STREET, FROM NEAR EDDY ST. TO ERNEST STREET
STBYL STREET, FROM NEAR MERCY ST. TO MURRAY STREET
TIFFANY STREET, FROM NEAR CHALKSTONE AVE. TO PLEASANT VALLEY PARKWAY
TOWNER STREET, FROM NEAR CLARKE ST. TO PAVILION AVENUE
TRINIDAD STREET, FROM NEAR HILLVIEW AVENUE TO SHARON STREET
AURORA STREET, FROM NEAR RIVER AVENUE TO BLUFF STREET
EDWARD STREET, FROM ITS NORTHERLY TERMINATION TO NORTHUP AVENUE
EVELYN STREET, FROM NEAR UNION AVE. TO PRUDENCE AVENUE
FAIRFIELD AVENUE, FROM 420 FEET NORTH OF RICHLAND ST. TO RICHLAND STREET,
AND IN RICHLAND STREET, FROM FAIRFIELD AVE. TO EDGEWATER AVENUE
JOY STREET, FROM ITS WESTERLY TERMINATION TO RIVER AVENUE
KINFIELD STREET, FROM NEAR BARBARA ST. TO HARTFORD AVENUE
OAKWOOD AVENUE, FROM NEAR FREEDOM ROAD TO CHALKSTONE AVENUE
ALDRICH STREET, FROM BROAD ST. TO EDDY STREET
CONCORD STREET, FROM MATILDA ST. TO FROST STREET
GALLILEO AVENUE, FROM NEAR CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION,
AND ACROSS CITY OWNED LAND BEING USED FOR PARK AND SCHOOL RECREATION
PURPOSES TO METROPOLITAN ROAD.
SAMOSET AVENUE, FROM NEAR CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION,
AND ACROSS CITY OWNED LAND BEING USED FOR SCHOOL RECREATIONAL PURPOSES
TO METROPOLITAN ROAD
VICTORIA STREET, FROM NEAR CHALKSTONE AVE. TO ITS NORTHERLY TERMINATION,
AND ACROSS CITY OWNED LAND BEING USED FOR SCHOOL RECREATIONAL PURPOSES
TO METROPOLITAN ROAD
*ALTON ROAD, FROM ITS WESTERLY TERMINATION TO UPTON AVENUE
*BEVELIN ROAD, FROM ALTON ROAD TO COLE AVENUE
*HARIAN ROAD, FROM ALTON ROAD TO COLE AVENUE
*ADDED TO ORIGINAL CONTRACT.

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, 1952, EXCLUSIVE OF THOSE CONTRACTED FOR:

CITY COUNCIL RESO-
LUTION AND YEAR

LOCATION

229	1940	BUCKLIN STREET, FROM NEAR POTTERS AVE. TO GREENWICH STREET
440	1940	NIANTIC AVENUE, FROM NEAR CRANSTON ST. TO AKERMAN STREET
257	1951	NORTH AVENUE, FROM NEAR HOPE ST. TO BLACKSTONE BLVD.
293	1951	WHITE STREET, FROM POWELL ST. TO COLLYER STREET
50	1952	GLOSSOP STREET, FROM NEAR FRUIT HILL AVE. TO WOONASQUATUCKET AVE. AND IN WOONASQUATUCKET AVE. FROM GLOSSOP ST. SOUTHERLY TO END OF PRESENT SEWER IN WOONASQUATUCKET AVENUE.
261	1953	ENFIELD AVENUE, FROM NEAR ISABELLA AVE. TO NAPLES AVENUE
262	1953	DIXON STREET FROM ITS EASTERLY TERMINATION TO STAMFORD AVENUE
263	1953	WALLER STREET, FROM CANONCHET ST. TO METROPOLITAN ROAD
264	1953	WAITE STREET, FROM ADMIRAL ST. TO GENERAL STREET
265	1953	VICTOR EMANUEL AVENUE, FROM LANGDON ST. TO CANADA POND TRUNK SEWER
266	1953	TICKNOR STREET, FROM SISSON ST. TO RUSHMORE AVENUE
267	1953	SUNSET AVENUE, FROM NEAR MOTT ST. TO KILLINGLY STREET
268	1953	MACGREGOR STREET, FROM LANGDON ST. TO CANADA POND TRUNK SEWER
269	1953	MINTO STREET, FROM BOLTON AVE. TO FARM STREET
270	1953	MANHATTAN STREET, FROM LANGDON ST. TO CANADA POND TRUNK SEWER
271	1953	FLORA STREET, FROM NEAR ASHTON ST. TO NORTHUP AVENUE
272	1953	FAIR STREET, FROM SEAMANS ST. TO PHEBE STREET
273	1953	ERIE STREET, FROM NEAR SHARON ST. TO ROME AVENUE
274	1953	ANGELO STREET, FROM THE CITY LINE AT NORTH PROVIDENCE TO LEO AVENUE
		(AUMOND STREET, FROM EDGEWOOD BLVD. TO CRANSTON CITY LINE
		(KENMORE STREET, FROM EDGEWOOD BLVD. TO CRANSTON CITY LINE
469	1953	(BEACHMONT AVENUE, FROM APPROXIMATELY NINETY (90) FEET NORTH OF CRANSTON (CITY LINE AND (EDGEWOOD BLVD., FROM ITS SOUTHERLY TERMINATION AT CRANSTON CITY LINE TO (ROGER WILLIAMS PARK
525	1953	DRILL STREET, FROM NEAR HILLVIEW AVENUE TO SHARON STREET
572	1953	BATCHELLER AVENUE, FROM NEAR ARGOL ST. TO SILVER SPRING STREET
573	1953	UDELL STREET, FROM NEAR LANGDON ST. THROUGH RIGHT-OF-WAY TO THE CANADA POND TRUNK SEWER.
574	1953	SINCLAIR AVENUE, FROM THE PRESENT SEWER IN SINCLAIR AVE. EASTERLY TO CITY OWNED LAND AND NORTHERLY IN CITY OWNED LAND TO RUTHERGLEN AVENUE
575	1953	ISABELLA AVENUE, FROM NEAR ENFIELD AVE. TO SHARON STREET

LIST NO. 2

SEWERS PETITIONED FOR AND REFERRED TO THE PUBLIC WORKS COMMITTEE FROM OCTOBER 1,
1942 TO SEPTEMBER 30, 1953 AND NO ACTION TAKEN:

DATE FILED

LOCATION

AUG. 5, 1943	FLORENCE ST. FROM APPROXIMATELY 260 FT. NORTH OF AMHERST ST. TO AMHERST ST.
SEPT. 6, 1945	DIPPPO STREET, FROM RAGOSTA ST. TO KILLINGLY AVENUE
JULY 2, 1946	MURPHY STREET, FROM NEAR ATWELLS AVE. TO CEDAR STREET
JULY 2, 1946	PENROSE AVENUE, FROM NEAR BLACKSTONE BLVD. TO GROTTO AVENUE
JULY 10, 1947	CARNAC STREET, FROM GILLEN ST. TO MARIETTA STREET
JULY 10, 1947	SWEETBRIAR STREET, FROM MALBONE ST. TO OAKLAND AVENUE
SEPT. 10, 1947	SWAN STREET, FROM EDDY ST. TO POE STREET
SEPT. 18, 1947	OWEN STREET, FROM MANTON AVE. TO KING ST. INCLUDING RIGHT-OF-WAY TO BE OBTAINED ON KING ST.
SEPT. 18, 1947	WINDMILL STREET, FROM CITY LINE TO PRESENT SEWER IN WINDMILL STREET
JAN. 15, 1948	BRADLEY STREET, FROM RIVER AVE. TO LUCILE STREET
JAN. 2, 1947	POWELL STREET, FROM CITY LINE TO MATILDA STREET, AND IN COLLYER ST. FROM WHITE ST. TO MATILDA STREET.
SEPT. 2, 1948	ALLSTON STREET, FROM RILL ST. TO HAROLD STREET

MAY 5, 1949	BINGHAM STREET, FROM BRANCH AVE. TO CAXTON STREET
MAY 5, 1949	CARDER STREET, FROM CAXTON ST. TO ITS NORTHERLY TERMINATION
MAY 5, 1949	CAXTON STREET, FROM VEAZIE ST. TO ITS NORTHERLY TERMINATION
JULY 7, 1949	GREELEY STREET, FROM HAGAN ST. TO AVENTINE AVENUE
SEPT. 5, 1949	SECOND STREET, FROM HIGHLAND AVE. TO CRESTON WAY
OCT. 6, 1949	BARBARA STREET, FROM CELIA ST. TO KING PHILIP STREET
NOV. 3, 1949	PALM STREET, FROM PECK ST. TO WILLOW STREET
DEC. 15, 1949	BARBARA STREET, FROM GLENBRIDGE AVE. TO PONAGANSETT AVENUE
DEC. 15, 1949	BARBARA STREET, FROM MIDDLETON ST. TO BOWLETT STREET
FEB. 2, 1950	EDNA STREET, FROM PLAINFIELD ST. TO HARTFORD AVENUE
FEB. 16, 1950	ROWLEY STREET, FROM BATTERSON ST. TO SICILY STREET
JUNE 1, 1950	CUTLER STREET, FROM NEWARK ST. TO ATWELLS AVENUE
AUG. 10, 1950	DERRY STREET, FROM GEOFFREYS CT. TO OREGON STREET
OCT. 19, 1950	CARLETON STREET, FROM DOVER ST. TO CHALKSTONE AVENUE
NOV. 2, 1950	WHITE STREET, FROM NORTH MAIN ST. TO NASHUA STREET
APR. 5, 1951	EDGEWORTH AVENUE, FROM ITS WESTERLY TERMINATION TO ARGOL STREET
APR. 5, 1951	BRUSH HILL ROAD, FROM ADA ST. TO CHALKSTONE AVENUE
APR. 19, 1951	MESSANGER 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
DEC. 4, 1952	GREELEY STREET, FROM HAGAN ST. TO ALASKA STREET
JAN. 15, 1953	DEFOE PLACE FROM CONGDON ST. TO ANGELL STREET
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	BOWLETT STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 21, 1953	GRIMWOOD STREET, FROM MIDDLETON ST. TO MELISSA STREET
MAY 21, 1953	HILARITY STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 21, 1953	KINFIELD STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 21, 1953	KING PHILIP STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 21, 1953	MELISSA STREET, FROM BARBARA ST. TO GRIMWOOD STREET
MAY 21, 1953	MIDDLETON STREET, FROM BARBARA ST. TO GRIMWOOD STREET
AUG. 6, 1953	CLEMATIS STREET, FROM NEAR GLOVER ST. TO MOLLOY STREET
AUG. 6, 1953	MILLARD STREET, FROM NEBRASKA ST. TO PAVILION AVENUE
SEPT. 3, 1953	WEBB STREET, FROM NEAR WHITFORD AVE. TO METROPOLITAN ROAD

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, 1953 EQUALED \$54,451.08.

SEWER SYSTEM STATISTICS: IN ORDER TO MAKE COMPLETE THE PROVIDENCE SEWER SYSTEM STATISTICS UP TO THE END OF THE FISCAL YEAR OF SEPTEMBER 30, 1953 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 EQUALLED AS OF SEPTEMBER 30, 1953, 39.2062 MILES.

IN 1872 THE FIRST STORM SEWER CONSTRUCTION WAS STARTED AND AS OF SEPTEMBER 30, 1953 A TOTAL OF 83.9945 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, 1953 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, 1953 EQUALS 446.9025 MILES. INCLUDED IN THIS MILEAGE ARE APPROXIMATELY 19,350 MANHOLES. ALSO, THERE ARE APPROXIMATELY 4600 INLETS AND 11,230 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. 1952-1953 400,000,000 GALLONS ESTIMATED AND BILLED FOR \$11,925.00.

RECEIVED FROM CRANSTON. (NARRAGANSETT BREWING COMPANY) CONTRACT DATED FEBRUARY 1, 1949.
1952-1953 71,443,900 GALLONS METERED AND BILLED FOR \$3872.98.

RECEIVED FROM NORTH PROVIDENCE. (CONTRACT DATED DECEMBER 4, 1939)
1952-1953 2,186,470,000 GALLONS ESTIMATED, CONTRACT TERMS
\$20,000.00 ANNUALLY.

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

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

IN THE CALENDAR YEAR OF 1953 THE DIRECTOR OF PUBLIC WORKS ISSUED LICENSES TO SEVEN DRAIN LAYERS AND THREE 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:

FIVE (5)	SNOW PLOWS	HIGHWAY SECTION
FIVE (5)	PASSENGER CARS	(2 ENGINEERING OFFICE
		(1 SIDEWALKS
		(2 PUBLIC SERVICE ENGINEER
FIVE (5)	PASSENGER CARS	CONST. & MAINT. DIVISION
ONE (1)	POWER SHOVEL	HIGHWAY SECTION
ONE (1)	STREET SWEEPER	HIGHWAY SECTION
ONE (1)	PLATFORM TRUCK WITH CRANE	HIGHWAY SECTION
THREE (3)	HEAVY DUTY DUMP TRUCKS	HIGHWAY SECTION
ONE (1)	SEWAGE EDUCTOR	SEWER SECTION
THREE (3)	CHASSIS ONLY FOR PART WORN BODIES	INCINERATOR SECTION
ONE (1)	2-DOOR SEDAN	SANITATION DIVISION
ONE (1)	4-DOOR SEDAN	SUPT. OF SEWERS

PERSONAL PROPERTY INVENTORY MADE.

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

"PRELIMINARY BORINGS AT THE PROPOSED TRANSIT SHED" BY THE BARKER ARTESIAN WELL CO. OF PROVIDENCE, CONTRACT DATED APRIL 17, 1950. FINAL JUNE 30, 1950 AMOUNT \$3,744.00

"RE-ARRANGEMENT AND EXTENSION OF RAILROAD FACILITIES" BY THE M.A. GAMMINO CONSTRUCTION CO. CONTRACT DATED AUGUST 7, 1950. FINAL NOVEMBER 21, 1952 AMOUNT \$341,235.00

"ARCHITECTURAL ENGINEERING AND GENERAL SUPERVISION" BY ORESTO DISAIA, CONTRACT DATED OCTOBER 3, 1949. FINAL FEBRUARY 24, 1953 AMOUNT \$67,522.24.

"NEW TRANSIT SHED" BY GILBANE BUILDING COMPANY, CONTRACT DATED OCTOBER 24, 1950 FINAL MAY 7, 1953 AMOUNT \$923,651.82.

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

MATERIAL ORDERED AND WORK IN PROGRESS.

PLAN MADE FOR SEWER DRAIN IN DEXTER STREET TRAINING GROUND. WORK DONE BY CAMPANELLA & CARDI CONSTRUCTION COMPANY AND COMPLETED NOVEMBER 19, 1952.

PLAN MADE FOR NEW CANAL STREET FENCE AT MOSHASSUCK RIVER WALLS -- REPAIRS TO WALL STARTED DECEMBER 12, 1952. WORK DONE BY THE CONSTRUCTION AND MAINTENANCE DIVISION.

MEETINGS AND CONFERENCES WITH CITY OF CRANSTON OFFICIALS IN REGARD TO A RECIPROCAL AGREEMENT FOR THE DRAINAGE OF HOUSES BORDERING ON THE CITY LINE. ON APRIL 16, 1953 A RESOLUTION WAS PASSED "AUTHORIZING THE MAYOR TO ENTER INTO AN AGREEMENT WITH THE CITY OF CRANSTON REGARDING SEWAGE DISPOSAL" THIS AGREEMENT WAS CONSUMMATED.

WORKED ON PLANS FOR A NEW PUBLIC WORKS GARAGE AND REPAIR SHOP. PLANS AND SPECIFICATIONS MADE READY FOR BIDS TO BE ADVERTISED ON OCTOBER 5, 1953. ESTIMATED COST \$400,000.00 FOR 33,756 SQUARE FEET OF FLOOR AREA.

PLAN MADE FOR CURB CHANGES AT THE APPROACHES TO POINT ST. BRIDGE. WORK DONE BY THE CONSTRUCTION AND MAINTENANCE DIVISION.

IN CONNECTION WITH A NEW "UTILITY AND STORAGE BUILDING AT RED BRIDGE" PERIODICAL INSPECTIONS WERE MADE. THE WORK WAS DONE BY FRANK N. GUSTAFSON & SONS, INC. CONTRACTORS AND STARTED ON AUGUST 1, 1952 AND COMPLETED FEBRUARY 16, 1953. CONTRACT DATE JULY 11, 1952. FINAL ESTIMATE FOR PAYMENT MADE FEBRUARY 17, 1953 IN THE AMOUNT OF \$9,358.00

IN CONNECTION WITH THE CONSTRUCTION OF NEW DOLPHINS AND FENDER SYSTEMS AT RED BRIDGE THE WORK WAS SUPERVISED AND INSPECTED BY THIS SECTION. THE HARBOR CONSTRUCTION CO. INC. WERE THE CONTRACTORS. WORK WAS STARTED JANUARY 7, 1953 AND COMPLETED APRIL 11, 1953. FINAL ESTIMATE FOR PAYMENT MADE APRIL 24, 1953 IN THE AMOUNT OF \$23,710.00.

WORKED ON SPECIFICATIONS ON PROPOSED REPAIRS TO THE OLD SECTION OF THE INCINERATOR BUILDING AT FIELDS POINT.

JUNE 1, 1953. FINAL INSPECTION MADE WITH THE CONTRACTOR THE M.A. GAMMINO CONSTRUCTION CO. AND THE STATE ENGINEERS OF THE GOVERNOR DENNIS J. ROBERTS EXPRESSWAY AT OLNEYVILLE SQUARE

IN CONNECTION WITH A NEW "COMPLETE INSTALLATION OF OPEN-FLOOR GRATING AT "MERINO BRIDGE" ON GLENBRIDGE AVE." A CONTRACT WAS AWARDED TO THE M.A. GAMMINO CONSTRUCTION CO. AS OF JULY 11, 1952. MATERIALS WERE ORDERED AND THE WORK WAS STARTED OCTOBER 7, 1953. THE CONTRACT WAS IN THE AMOUNT OF \$29,400.00 AND WAS COMPLETED NOVEMBER 18, 1953. ALL FIELD WORK WAS INSPECTED AND THE FINAL ESTIMATE MADE FOR PAYMENT TO THE CONTRACTOR ON NOVEMBER 23, 1953.

MANY CONFERENCES WERE HELD WITH "PRAEGER AND MAGUIRE" ENGINEERS FOR THE PROPOSED

NORTH-SOUTH FREEWAY IN CONNECTION WITH STREET LINES AND SEWER CHANGES.

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.

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.

GS:MC.

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, 1953. 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.

ADMINISTRATION

THE EXPENDITURES OF THIS SECTION FOR THE YEAR ENDING SEPTEMBER 30, 1953 WERE AS FOLLOWS:

ITEM 0 PERSONNEL SERVICES	\$7629.20
ITEM 1 SERVICES OTHER THAN PERSONAL	825.60
ITEM 2 MATERIALS AND SUPPLIES	4.27
ITEM 5 CAPITAL OUTLAY	<u>172.50</u>
TOTAL	\$8631.57

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, RESETTNG OR REPLACING OF GRANITE CURBING.

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

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

ITEM 0 PERSONAL SERVICES	\$642981.89
ITEM 1 SERVICES OTHER THAN PERSONAL	153220.69
ITEM 2 MATERIALS AND SUPPLIES	118347.90
ITEM 5 CAPITAL OUTLAY	<u>996.73</u>
	\$915547.21

REVENUE

OCTOBER		APRIL	\$427.26
NOVEMBER	\$59,518.14	MAY	
DECEMBER	5,643.49	JUNE	\$4048.62
JANUARY	822.50	JULY	1251.78
FEBRUARY	548.33	AUGUST	406.00
MARCH	2,674.41	SEPTEMBER	3531.51
TOTAL REVENUE \$78,852.04			

STREETS REBUILT

ELLERY ST. - CHAPIN AVE. TO UNION AVE. A.C. ON CONCRETE BASE.

STREETS STARTED IN 1951-1952 AND COMPLETED IN 1952-1953.

LORIMER AVE. - EIGHTH ST. TO ROCHAMBEAU AVE. A.C.
CHARLES ST. - SMITH ST. TO MILL ST. A.C. ON CONCRETE.
RALPH ST. - PLAINFIELD ST. TO DORCHESTER AVE. A.C.

STREETS SURFACED OR RESURFACED

SASSAFRASS ST. - BROAD ST. TO NIAGARA ST.
PAYTON ST. - BROAD ST. TO ROGER WILLIAMS PARK
DESOTO ST. - GROVE ST. TO MOONASQUATUCKET RIVER
LOCUST ST. - KNOWLES ST. TO END
TROY ST. - MAGNOLIA ST. TO WESTMINSTER ST.
MT. HOPE AVE. - LOCUST ST. TO HOPE ST.
FELIX ST. - ORMS ST. TO CHALKSTONE AVE.
PRINCE ST. - POINT ST. TO FRIENDSHIP ST.
CARLISLE ST. - ELMWOOD AVE. TO ALGER ST.
WHITNEY ST. - ELMWOOD AVE. TO ALGER ST.
VINEYARD ST. - POTTERS AVE. TO HUNTINGTON AVE.
CALDER ST. - POTTERS AVE. TO HUNTINGTON AVE.
MADISON ST. - POTTERS AVE. TO HUNTINGTON AVE.
AUTUMN ST. - EDDY ST. TO RUGBY ST.
TOBEY ST. - BROADWAY TO RIDGE ST.
WOODMAN ST. - ELMWOOD AVE. TO BUCKLIN ST.
VIOLET ST. - ORMS ST. TO CHALKSTONE AVE.
LUNA ST. - BRANCH AVE. TO NORTHUP AVE.
RIDGE ST. - TOBEY ST. TO ATWELLS AVE.
ANTHONY AVE. - CRANSTON ST. TO HUNTINGTON AVE.
HELME ST. - VALLEY ST. TO EXPRESSWAY
GROVE ST. - VALLEY ST. TO EXPRESSWAY
VINTON ST. - CARPENTER ST. TO ATWELLS AVE.
GIFFORD ST. - PLAINFIELD ST. TO LABAN ST.
BELMONT ST. - ACADEMY AVE. TO CLAREMONT AVE.
CLAREMONT AVE. - CHALKSTONE AVE. TO ROANOKE ST.
PROGRESS AVE. - WEBSTER AVE. TO TERRACE AVE.
TERRACE AVE. - UNION AVE. TO LAUREL HILL AVE.
POTTERS AVE. - CRANSTON ST. TO BRATTLE ST.
FORD ST. - CRANSTON ST. TO DEXTER ST.
AYRAULT ST. - VALLEY ST. TO CHALKSTONE AVE.
CHARLESFIELD ST. - BENEFIT ST. TO HOPE ST.
JENCKES ST. - PRATT ST. TO PROSPECT ST.
PROSPECT ST. - GEORGE ST. TO ANGELL ST.
ORMSBEE AVE. - SMITH ST. TO ORMS ST.
TABER AVE. - ANGELL ST. TO SESSIONS ST.
POST OFFICE COURT - MEYBOSSET ST. TO DYER ST.

STREETS SEALCOATED

KEENE ST. - HOPE ST. TO PROSPECT ST.
HARWICH ROAD - BLACKSTONE BLVD. TO ELMGROVE AVE.
WINGATE ROAD - BLACKSTONE BLVD. TO ELMGROVE AVE.
WESTFORD ROAD - HOLLY ST. TO BLACKSTONE BLVD.
INTERVALE ROAD - HOLLY ST. TO BLACKSTONE BLVD.
HARTSHORN ROAD - LORIMER AVE. TO BLACKSTONE BLVD.
LORIMER AVE. - EIGHTH ST. TO BLACKSTONE BLVD.
EIGHTH ST. - LORIMER AVE. TO HOPE ST.
IVY ST. - CYPRESS ST. TO ROCHAMBEAU AVE.
SUMMIT AVE. - ROCHAMBEAU AVE. TO TENTH ST.
PHILLIPS ST. - HOPE ST. TO MORRIS AVE.

PATCHING AND REPAIRING SUNDRY STREETS

PATCHING MATERIAL USED FOR TEMPORARY REPAIRS WAS PURCHASED FROM PRIVATE VENDORS.
APPROXIMATELY 340 MILES OF HIGHWAYS WERE MAINTAINED DURING THE FISCAL YEAR.

MATERIALS USED ON GENERAL PATCHING AND REPAIRING WERE AS FOLLOWS:

COLD PATCH	950.8	TONS
KOMAC PATCH	27.45	TONS
A.C.MIX	1314.65	TONS
SAND	943	TONS
2-INCH GRAVEL	243	TONS
KEROSENE	4414	GALS.
CEMENT	954	BAGS

MATERIALS USED ON SEALCOATING WERE AS FOLLOWS:

ROAD OIL	10000	GALS.
KEROSENE	84	GALS.
ASPHALT A C MIX	23.7	TONS
SAND	4.3	TONS
BUCKWHEAT	700.1	TONS

MATERIALS USED ON SURFACING OR RESURFACING WERE AS FOLLOWS:

1 1/4 INCH GRAVEL	200	TONS
SAND	196	TONS
KEROSENE	519	GALS.
CEMENT	86	BAGS
ASPHALT A.C.MIX	14303	TONS
CONCRETE READY MIX	662	CU.YDS.
2-INCH STONE	567	TONS
SOLUBLE C. OIL	320	GALS.

MATERIALS USED ON STREETS CONSTRUCTED AND RECONSTRUCTED WERE AS FOLLOWS:

2-INCH GRAVEL	54.41	TONS
KEROSENE	75	GALS.
CEMENT	36	BAGS
ASPHALT A.C.MIX	687.30	TONS
READY MIX CONCRETE	363	CU.YDS.

DRIVEWAYS AND CURBING

DRIVEWAYS (CONSTRUCTED)	270
DRIVEWAYS (WIDENED)	24
DRIVEWAYS (CLOSED)	5
DRIVEWAYS (RELOCATED)	10
2 FT. CIRCULAR CORNERS SET	480
5 B CORNERS SET	80
7 INCH CURB SET	860 LIN.FT.
7 INCH SECOND-HAND CURB SET	700 LIN.FT.
CURB SET AND RESET	12620 LIN.FT.

MISCELLANEOUS WORK

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

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

1. WALKS ON DEXTER TRAINING GROUND.
2. GRADING SACKETT STREET AND FOX POINT PLAYGROUNDS AND CITY DOG POUND.
3. GRADING BASEBALL FIELDS AT THE FOLLOWING GROUNDS:
CYPRESS ST. PLAYGROUND, FIX POINT PLAYGROUND, RICHARDSON STREET PLAYGROUND, VALLEY STREET PLAYGROUND, LAUREL HILL PLAYGROUND, DEXTER TRAINING GROUNDS, NEUTACONKANUT PARK, HOPKINS PARK, JOSEPH WILLIAMS FIELD, MT. PLEASANT PARK, BUCKLIN ST. PLAYGROUND, VEAZIE ST. PLAYGROUND, ROGER WILLIAMS PARK, ASCHAM PARK, MT. PLEASANT HIGH SCHOOL FIELD, PROVIDENCE GAS COMPANY FIELD, DAVIS PARK, QUAIL ST. PLAYGROUND, GARIBADI PLAYGROUND, RIDGE ST. PLAYGROUND, AND MUNICIPAL GOLF COURSE.
4. REPAIRING ROADS AND WALKS AT CHAPIN HOSPITAL, RHODE ISLAND HOSPITAL, MUNICIPAL DOCK AND BENEFIT ST. RECREATION CENTER. HAULED FILL FOR SWIFT ST. DUMP, AND CORTEZ ST. DUMP, ROGER WILLIAMS HIGH SCHOOL, BELLEVUE AVE. SCHOOL, NORTH BURIAL GROUNDS.
5. GRADED DUMPS AT FIELDS POINT, MURRAY ST. AND GANO ST., SWIFT ST., MT. PLEASANT AVE., AND EAST TRANSIT ST.
6. REMOVED ASHES AND OLD REFRATORIES FROM INCINERATOR AND SEWAGE DISPOSAL WORKS.
7. HELPED TO REPAIR EQUIPMENT AT INCINERATOR AND SEWAGE DISPOSAL WORKS.
8. FURNISHED AND SET CURB AT HARTFORD PARK AND MANTON HEIGHTS HOUSING PROJECTS.
9. FILLED AND REPAIRED ROAD AND BANKS AND SET CURB FOR PARK DEPARTMENT ON RIVER ROAD AT YORK POND.
10. CONSTRUCTED AND REMOVED BANDSTANDS FOR COLUMBUS DAY, ARMISTICE DAY, MEMORIAL DAY AND LABOD DAY CELEBRATIONS; ALSO FOR VARIOUS VETERANS AND CIVIC ORGANIZATIONS FOR DEDICATIONS AND MEMORIALS.
11. DECORATED CITY FOR CHRISTMAS, FOURTH OF JULY AND RED FEATHER CELEBRATIONS.
12. REBUILT MOSHASSUCK RIVER WALL AND CONSTRUCTED NEW METAL FENCE ALONG CANAL STREET.
13. CONSTRUCTED NEW WOOD FENCES ALONG BOTH SIDES OF GLENBRIDGE AVE. AND HAWKINS STREET.
14. REPAIRED STEPS AND RAILING ON GROVE STREET.
15. INSTALLED NEW GASOLINE TANK AND GRADED YARD FOR MUNICIPAL GARAGE.
16. MOVED CURB AND ALL OTHER MATERIALS FROM LOWER YARD WHICH WAS SOLD TO SPRAGUE COAL CO.
17. CLEANED AND REPAIRED SOUTH PROVIDENCE SWIMMING POOL AND BUILDING.
18. EXCAVATED FOR EXTENSION OF EAST TRANSIT ST. STORM SEWER.
19. SET UP AND REMOVED EQUIPMENT AT THE VARIOUS VOTING PLACES IN THE CITY FOR THE BOARD OF CANVASSERS.

20. SET CURB BACK TO WIDEN STREETS FOR TRAFFIC ENGINEERING DIVISION ON GEORGE M. COHAN BLVD., AT CORNER OF SOUTH MAIN AND BRIDGE STREETS, IVES AND COHAN BLVD., CENTER ISLE OF COHAN BLVD. AT BRIDGE ST. AND BOTH ENDS OF POINT STREET BRIDGE.
21. BUILT RETAINING WALLS AND FENCE AT WEST END OF RED BRIDGE.
22. FURNISHED SHOVEL, DOZER, FOUR TRUCKS AND OTHER MISCELLANEOUS EQUIPMENT AND OPERATORS TO CITY OF WORCESTER FOR REHABILITATION WORK IN WAKE OF DISASTER OUR TORNADO IN THAT CITY.
23. REMOVED RUBBISH FROM CITY HALL.
24. REPAIRED 230 WATER AND 49 DRAIN OPENINGS.

LAWNS AND GRASS PLATS

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

BRIDGE MAINTENANCE SECTION

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

THE EXPENDITURES OF THE SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$38,107.85
ITEM 1 SERVICES OTHER THAN PERSONAL	5,150.26
ITEM 2 MATERIALS AND SUPPLIES	9,548.03
TOTAL	\$52,806.14

REVENUE

WATER REFUND	\$38.68
DAMAGE PAYMENT ON MERINO BRIDGE	469.96
TOTAL	\$508.64

THERE ARE 57 CITY-OWNED BRIDGES, OF WHICH 25 REQUIRED REPAIR WORK THIS YEAR.

REPAIRS WERE MADE ON THE FOLLOWING BRIDGES, SUCH AS RENEWAL OF WORN PLANKING, PAINTING, MACHINERY REPAIRS AND THE NECESSARY MAINTENANCE OF TOOLS TO DO THIS WORK.

DOUGLAS AVE. BRIDGE	BRANCH AVENUE AT WANSKUCK	LELAND STREET BRIDGE
CHARLES STREET BRIDGE	STEVENS STREET BRIDGE	MERINO BRIDGE (GLENBRIDGE)
SMITH STREET BRIDGE	POINT STREET BRIDGE	MERINO PARK FOOTBRIDGE
ADELAIDE AVENUE BRIDGE	ROGER WILLIAMS AVE. BRIDGE	NASH LANE BRIDGE (PETTIS ST.)
ATWELLS AVENUE BRIDGE	RANDALL STREET BRIDGE	LIVINGSTONE ST. BRIDGE
BRANCH AVENUE CULVERT	VEAZIE STREET BRIDGE	BRANCH AVENUE AT CANADA POND
CEMETERY STREET BRIDGE	HAWKINS STREET BRIDGE	PARK STREET BRIDGE
SMITHFIELD AVENUE BRIDGE	DELAINE STREET BRIDGE	RED BRIDGE
	MILL STREET BRIDGE	

ALSO THE FOLLOWING WORK WAS DONE:

1. REBUILT STAIRWAY TO OPERATING HOUSE AT RED BRIDGE.
2. REPAIRED SIDEWALKS ON THE FOLLOWING BRIDGES: RED, POINT, CHARLES STREET, GLENBRIDGE AVENUE, ROGER WILLIAMS AVENUE, PARK STREET, SMITH STREET, LIVINGSTONE STREET AND ACORN STREET.
3. REPAIRED ROADWAY PLANK ON POINT STREET, PARK STREET, GLENBRIDGE AVENUE, CEMETERY STREET, SMITHFIELD AVENUE AND WEST RIVER STREET.
4. REPAIRED LELAND STREET, MERINO PARK AND ADELAIDE AVENUE FOOTBRIDGES.
5. PAINTED TOP OF POINT STREET VIADUCT.
6. PAINTED MILL STREET, RANDALL STREET, PETTIS STREET, LIVINGSTONE STREET, BRANCH AVENUE AT CANADA POND, BRANCH AVENUE AT WANSKUCK MILL, VEAZIE STREET, DOUGLAS AVENUE, HAWKINS STREET, SMITH STREET, SMITHFIELD AVENUE BRIDGES, AND BRANCH AVENUE CULVERT.
7. WORKED ON TANKS AT SEWAGE DISPOSAL WORKS.
8. REBUILT HOIST AT SEWAGE DISPOSAL WORKS.
9. REBUILT SMITH STREET BRIDGE SOUTH SIDEWALK AND ROADWAY.
10. CAULKED AND PAINTED BOAT FOR RED BRIDGE AND POINT STREET BRIDGE.
11. THE TWO STEEL BUILDINGS AND THE GUILLITINE HOIST ON THE LAND SOLD TO THE SPRAGUE COAL COMPANY WERE TAKEN DOWN AND STORED IN THE HIGHWAY YARD.

SIDEWALK AND CURBING SECTION

THIS SECTION 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	\$13,584.17
ITEM 1 SERVICES OTHER THAN PERSONAL	2,271.42
ITEM 2 MATERIALS AND SUPPLIES	<u>1,542.97</u>
TOTAL	\$17,398.56

REVENUE

SIDEWALK CONTRACTORS LICENSES	\$720.00
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THE OPERATIONS OF THE SECTION WERE AS FOLLOWS:

SIDEWALK CONTRACTORS LICENSES ISSUED	72
NOTICES SERVED TO BUILD OR REPAIR	922
BUILT OR REPAIRED	568
PERMITS TO BUILD OR REPAIR	1065
SEWER OPENINGS INSPECTED	297
DRIVEWAYS INSPECTED	312
MEMORIAL SIGNS REPAINTED	128
WASHOUT DEPRESSIONS INSPECTED	233
WING STREET SIGNS REPAINTED AND RELETTERED	293
POLE OPENINGS INSPECTED	219
TOTAL LIN. FT. OF TAR CONCRETE SIDEWALKS BUILT	37615
TOTAL LIN. FT. OF CEMENT CONCRETE SIDEWALKS BUILT	35908
MEMORIAL SQUARE SIGNS APPROVED BY CITY COUNCIL	2

THIS SECTION HAS UNDERTAKEN AN EXTENSIVE CAMPAIGN TO HAVE ALL DEFECTIVE SIDEWALKS IN THE CITY REBUILT OR REPAIRED. IT SHOULD BE NOTED THAT MORE THAN 71,000 LIN. FT. OF SIDEWALKS HAVE BEEN LAID THIS YEAR.

THE FOLLOWING SIDEWALK PROJECTS HAVE ALSO BEEN UNDERTAKEN IN CONJUNCTION WITH THE NEW ROAD PROGRAM HAVING BEEN SPONSORED BY THE STATE OF RHODE ISLAND PUBLIC WORKS DEPARTMENT, FEDERAL BUREAU OF PUBLIC ROADS, AND THE CITY OF PROVIDENCE, WITH PROPERTY OWNERS SHARING ONE-HALF THE COST OF CONSTRUCTING THESE SIDEWALKS:

ALL THIS WORK IS BEING SUPERVISED BY CITY AND STATE INSPECTORS.

PROJECTS	SIDEWALKS CONDEMNED	SQUARE YARDS OF SIDEWALKS REBUILT OR REPAIRED		
		8-INCH CONCRETE	CEMENT	ASPHALT
MANTON AVENUE	249	135.0	8,053.0	767.5
ELMGROVE AVENUE	109		3,139.0	24.5
PONTIAC STREET	9	37.5	283.0	

THIS SECTION IS CONTINUALLY REPLACING ALL DEFECTIVE STREET AND MEMORIAL SQUARE SIGNS WITH BLACK AND WHITE METAL SIGNS. APPROXIMATELY 98 PER CENT OF THE STREET SIGNS IN THE CITY HAVE BEEN REPLACED WITH NEW SIGNS. 1,700 SIGNS HAVE BEEN ORDERED THIS YEAR AND ARE NOW BEING ERECTED.

FORESTRY SECTION

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

THE EXPENDITURES OF THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$55,927.18
ITEM 1 SERVICES OTHER THAN PERSONAL	9,932.53
ITEM 2 MATERIALS AND SUPPLIES	8,891.41
ITEM 5 CAPITAL OUTLAY	470.00
TOTAL	\$75,221.12

REVENUE

JANUARY	\$500.00
JUNE	473.06
JULY	508.24
SEPTEMBER	10.44
TOTAL	\$1,491.74

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 ALL THE 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)	75.8%	20,651
ELM TREES	17.4%	4,746
OAK TREES (ALL TYPES)	2%	539
MISCELLANEOUS (ALL OTHER TREES)	4.8%	1,298

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

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

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

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

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

THE NURSERY AT ROGER WILLIAMS PARK HAS BEEN EXPANDED BY THE PLANTING OF 1,500 NEW SAPLINGS CONSISTING 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 2,000 TREES IN THE NURSERY.

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

NUMBER OF TREES PRUNED	2,070
NUMBER OF TREES REMOVED	291
NUMBER OF TREES SPRAYED	6,350
NUMBER OF TREES PLANTED	547

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:

1400 TONS OF SALT
4967 TONS OF SAND

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$40,239.56
ITEM 1 SERVICES OTHER THAN PERSONAL	25,972.67
ITEM 2 MATERIALS AND SUPPLIES	15,785.63
	<u>\$81,997.86</u>

SEWER MAINTENANCE SECTION

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

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$247,070.20
ITEM 1 SERVICES OTHER THAN PERSONAL	56,136.71
ITEM 2 MATERIALS AND SUPPLIES	10,266.93
	<u>\$313,473.84</u>

REVENUE

OCTOBER	\$13,311.06	APRIL	\$8,072.45
NOVEMBER	17.36	MAY	112.39
DECEMBER	1,016.43	JUNE	965.76
JANUARY	5,000.00	JULY	7,981.25
FEBRUARY		AUGUST	2,981.25
MARCH	1,120.11	SEPTEMBER	2,061.40
TOTAL REVENUE \$42,639.46			

MAINTENANCE AND CONSTRUCTION WORK PERFORMED

FOLLOWING IS AN OUTLINE OF THE WORK:

BROKEN TRAPS REPLACED	6
BROKEN CATCH BASIN COVERS REPLACED	6
BROKEN CATCH BASIN FRAMES AND COVERS REPLACED	2
BROKEN MANHOLE COVERS REPLACED	5
BOX INLET COVERS REPLACED	1
MANHOLES REPAIRED	2
BASINS REMODELED	4
CHUTES REBUILT	50
BASINS REPAIRED	7
BROKEN INLET STONES REPLACED	31
GUTTER GRATES RESET	6
TRAPS RESET	5

OTHER CONSTRUCTION AND MAINTENANCE WORK PERFORMED

WORK PERFORMED IN REPAIRING TRUNK SEWER LINES:

BRANCH AVE. AND HAWKINS ST.	REPLACED 15 FT. OF 12 INCH PIPE IN STORM LINE.
GROSVENOR AVE. AT PARKWAY	REPLACED 2-12 INCH BROKEN PIPES IN STORM LINE.
NARRAGANSETT BLVD. 7 ALABAMA AVE.	REPLACED 5-15 INCH PIPES IN STORM LINE.
EAST TRANSIT STREET	EXTENDED 27 INCH STORM LINE 94 FT. TO SEEKONK RIVER.
KILLINGLY STREET	EXTENDED 12 INCH SANITARY SEWER 20 FT.
RUSSO STREET AND MONTICELLO STREET	REPLACED 12 FT. OF 12 INCH BROKEN PIPE IN SANITARY LINE.
KENWOOD STREET AND WAVERLY STREET	REPLACED 10 FT. OF 12 INCH BROKEN PIPE IN SANITARY LINE.
WHITFORD AVENUE	CONNECTED BROOK TO SEWER.
563 HUNTINGTON AVENUE	REPLACED 2-12 INCH BROKEN PIPE IN SANITARY LINE.
DUBLON ST. WEST OF SO. WATER ST.	DUG UP 80 FT. OF OLD STONE STORM LINE TO PROVIDENCE RIVER, REPLACED SAME WITH 12 INCH PIPE.
MOUTH OF EAST TRANSIT ST. STORM SEWER	
EAST OF GANO ST.	BUILT BULKHEAD WALL.
CONNECTIONS REPAIRED AT TRUNK LINES	
CAUSED BY BROKEN PIPE AT MAIN LINE.	GANO ST. HAROLD ST., NO. DAVIS ST., EDDY ST. AT WILLARD AVE., DOYLE AVE.

REPORT ON OIL AND GASOLINE INSPECTIONS

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

INSPECTORS MADE 1,622 VISITS AND DISCOVERED VERY FEW VIOLATIONS OF THE LAW. AFTER BEING NOTIFIED TO MAKE NECESSARY IMPROVEMENTS THE DEFICIENCIES WERE PROMPTLY CORRECTED.

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

7339 BASINS CLEANED	18124.41 CU.YDS.
57 SUMPS CLEANED	207.55 CU.YDS.
1067 GRATES CLEANED	676.57 CU.YDS.
LINES FLUSHED	41780.00 FEET.
1296 COMPLAINTS RECEIVED	ALL CLEARED

STREET OPENINGS

STREET OPENINGS FOR PRIVATE DRAIN CONNECTIONS, OCTOBER 1, 1952 TO SEPTEMBER 30, 1953, -49.

LABOR AND MATERIALS FURNISHED FOR WORK PERFORMED IN CONJUNCTION WITH THE HIGHWAY SECTION ON STREETS LISTED:

BASINS BROUGHT TO GRADE	81
MANHOLES BROUGHT TO GRADE	493
BROKEN CATCH BASIN FRAMES AND COVERS REPLACED	3

ALLSTON STREET	STONELAW AVENUE	ANTHONY AVENUE
BADGER ROAD	MADISON STREET	TOBEY STREET
BALCOM STREET	VAUGHN STREET	RIDGE STREET
BERLIN STREET	WAKEFIELD AVENUE	VINTON STREET
CHESHIRE STREET	WALTON STREET	GROVE STREET
COLUMBUS STREET	WESTCOTT AVENUE	DESOTO STREET
ETNA STREET	WHITFORD AVENUE	HELME STREET
GLASGOW STREET	WOODSIDE ROAD	TERRACE AVENUE
GROVER STREET	FILLMORE STREET	BELMONT AVENUE
HENRIETTA STREET	EDDY STREET	PROGRESS AVENUE
HILLCREST AVENUE	CUMBERLAND STREET	FORD STREET
LIEGE STREET	FARM STREET	POTTERS AVENUE
MISSION PLACE	OCTAVIA STREET	LUNA STREET
MOUNTAIN STREET	BARBARA STREET	CHARLESFIELD STREET
PAOLINO STREET	NEW YORK AVENUE	AYRAULT STREET
PRICE STREET	SHERIDAN STREET	ORMSBEE AVENUE
PROSPER STREET	VIOLET STREET	MT. HOPE AVENUE
ROWLEY STREET	WHITNEY STREET	TAFT AVENUE
SINCLAIR AVENUE	VINEYARD STREET	TABER AVENUE
STANTON STREET	AUTUMN STREET	TRINITY PARKWAY
	CALDER STREET	

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

THE BUILDING TRADES WORKERS ARE HIRED THROUGH THE LABOR UNIONS AS REQUIRED. THEIR

PAY, AS WELL AS THE COST OF THE MATERIALS USED, IS PAID FOR OUT OF THE APPROPRIATIONS OF THE AGENCY IN CHARGE OF THE BUILDING, (SCHOOL DEPARTMENT, DEPARTMENT OF POLICE AND FIRE, CITY SERGEANT, ETC.)

EXPENDITURES

ITEM 0	PERSONAL SERVICES	371,118.35
ITEM 1	SERVICES OTHER THAN PERSONAL	9,560.10
ITEM 2	MATERIALS AND SUPPLIES	4,733.78
ITEM 3	SPECIAL ITEMS	10.00
ITEM 5	CAPITAL OUTLAY	1,295.50
TOTAL		386,717.73

REVENUE

SEPTEMBER 30, 1953

\$52.78

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

1. SUPERVISED THE PLANS AND SPECIFICATIONS OF THE FOX POINT ELEMENTARY SCHOOL.
2. SUPERVISED THE CONSTRUCTION OF FOX POINT ELEMENTARY SCHOOL.
3. SUPERVISED THE PLANS AND SPECIFICATIONS FOR THE NEW MUNICIPAL GARAGE AT ALLENS AVENUE AND ERNEST STREET.
4. SUPERVISED THE PLANS AND SPECIFICATIONS FOR THE NEW JOSLIN STREET SWIMMING POOL.
5. DREW UP PLANS AND SPECIFICATIONS FOR THE NEW ANIMAL CREMATORY.
6. SUPERVISED THE PLANS AND ERECTION OF THE FLOOD LIGHTING OF THE BOCCA COURTS AT DEXTER TRAINING GROUND.
7. SUPERVISED CONSTRUCTION OF THE NEW ANIMAL CREMATORY.
8. DESIGNED NEW LIGHTING SYSTEM FOR COUNCIL CHAMBER.
9. DREW $1\frac{1}{2}$ PLANS AND SPECIFICATIONS AND SUPERVISED THE INSTALLATION OF THE NEW STANDBY GENERATOR EQUIPMENT AT CHARLES V. CHAPIN HOSPITAL.
10. SUPERVISED THE REPAIR AND INSTALLATION OF NEW HOT WATER HEATING EQUIPMENT AT TWO BATH HOUSES.
11. PERFORMED GENERAL REPAIR WORK AND PAINTING ON SIXTY-SIX PUBLIC SCHOOLS.
12. PERFORMED GENERAL REPAIR WORK ON TEN BATH HOUSES.
13. PERFORMED GENERAL REPAIR WORK ON THE THREE POLICE STATIONS AND SEVEN FIRE STATIONS.
14. DREW PLANS AND SPECIFICATIONS FOR REMODELING THE BOILER ROOM AT MOUNT PLEASANT HIGH SCHOOL.
15. DREW PLANS AND SPECIFICATIONS FOR THE NEW SANITATION GARAGE AND REPAIR SHOP AT FIELDS POINT.
16. SUPERVISED THE CONSTRUCTION OF THE BUILDING FOR THE OPERATORS AT RED BRIDGE.
17. DREW UP PLANS AND SPECIFICATIONS FOR NEW OVERHEAD DOORS ON THE SEWER MAINTENANCE GARAGE.

SHOPS AND STORES

IN ACCORDANCE WITH THE PROVISIONS OF THE COST ACCOUNTING SYSTEM NOW IN OPERATION IN THE PUBLIC WORKS DEPARTMENT, REVOLVING FUNDS HAVE BEEN SET UP TO FINANCE THE PURCHASE OF MATERIALS, PARTS, AND SUPPLIES KEPT ON HAND IN THE STORES, PURCHASE AND REPAIR THE RENTAL EQUIPMENT AND OPERATE THE VARIOUS REPAIR SHOPS.

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

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

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

A RESUME OF THIS YEARS RECEIPTS AND EXPENDITURES IS AS FOLLOWS:

RECEIPTS

EQUIPMENT RENTALS	\$241,488.53
STOCK ORDERS	109,080.60
JOB ORDERS	21,153.28
MISCELLANEOUS (SALE OF OBSOLETE PARTS)	646.34
INITIAL APPROPRIATION	75,000.00
	<u>\$447,368.75</u>

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$141,242.79
ITEM 1 SERVICES OTHER THAN PERSONAL	44,876.71
ITEM 2 MATERIALS AND SUPPLIES	242,896.24
ITEM 5 CAPITAL OUTLAY	53,328.55
	<u>\$482,344.29</u>

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

PUBLIC WORKS ADMINISTRATION	BRIDGE MAINTENANCE SECTION
PUBLIC SERVICE DIVISION	SNOW REMOVAL SECTION
ENGINEERING DIVISION	FORESTRY SECTION
BUSINESS MANAGEMENT DIVISION	SIDEWALKS AND CURBING SECTION
HIGHWAY SECTION	PUBLIC BUILDINGS SECTION
	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	2 - HOIST TRUCKS 1500#	8 - STREET SWEEPERS
21 - PASSENGER CARS	1 - HOIST TRUCK 3000#	8 - SNOW LOADERS
7 - AIR COMPRESSORS	2 - BULLDOZERS TD 18	4 - LAWN MOWERS - POWER
5 - 8-10 TON TANDEM ROLLERS	1 - SHOVEL 3/8 CU.YDS.	11 - TAIL GATE SPREADERS
2 - 5 TON TANDEM ROLLERS	2 - SHOVELS 3/4 CU.YDS.	80 - SNOW PLOWS
2 - 3-5 TON GALLION ROLLERS	5 - ROADGRADERS	1 - 50 TON TRAILER
1 - CONCRETE MIXER 10 S	2 - MIST SPRAYERS	2 - TRACTORS
	2 - CONCRETE MIXERS 3 S	2 - 10 TON 3 WHEEL ROLLERS

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

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

1 - 1500# HOIST TRUCK	5 - PASSENGER CARS
1 - STREET SWEEPER	3 - 5 TON DUMP TRUCKS
2 - TAILGATE SPREADERS	1 - 3/4 CU.YD. SHOVEL
5 - 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 - INCLEY CRANE	SEWAGE DISPOSAL WORKS
1 - EMERGENCY MOTOR AND GENERATOR	POINT STREET BRIDGE
1 - MOTOR	HARBORMASTER'S BOAT
1 - TD9 BULLDOZER	CITY DUMP
2 - BUCKETS CLAMSHELL	INCINERATOR
4 - BUCKETS ORANGE PEEL	SEWER MAINTENANCE SECTION
1 - 5-TON TANDEM ROLLER	RECREATION DEPARTMENT

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

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

THE STOCK ROOM CARRIES MUCH OF THE MATERIAL, PARTS AND SUPPLIES REQUIRED BY THE SECTIONS OF THIS DIVISION. AN INVENTORY OF \$63,497.61 IN MATERIAL, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1953.

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. A RESUME OF THIS YEARS RECEIPTS AND EXPENDITURES IS AS FOLLOWS:

RECEIPTS

EQUIPMENT RENTALS	\$47,721.58
STOCK ORDERS	6,809.77
JOB ORDERS	5,610.53
INITIAL APPROPRIATION	15,000.00
	<u>\$75,141.88</u>

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$25,702.09
ITEM 1 SERVICES OTHER THAN PERSONAL	1,384.13
ITEM 2 MATERIALS AND SUPPLIES	26,167.62
ITEM 5 CAPITAL OUTLAY	14,041.68
	<u>\$67,295.52</u>
TOTAL	

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

A LIST OF THIS AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

4 - EDUCTORS	4 - AIR COMPRESSORS
3 - DERRICK TRUCKS	2 - 6 INCH CENTRIFUGAL PUMPS
3 - PASSENGER CARS	1 - 4 INCH CENTRIFUGAL PUMP
3 - GUMP TRUCKS	2 - 3 INCH CENTRIFUGAL PUMPS
2 - CARGO TRUCKS	1 - 3 INCH DIAPHRAM PUMP
1 - PICKUP TRUCK	1 - SEWER CLEANING MACHINE

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

DURING THE YEAR ONE NEW EDUCTOR WAS PURCHASED AND ONE OLD ONE WAS TRADED, THE CASH VALUE BEING APPLIED AGAINST THE COST OF THE NEW EDUCTOR.

IN ADDITION TO THE RENTAL EQUIPMENT IN THE POOL THIS SECTION THROUGH ITS CARPENTER SHOP, BLACKSMITH SHOP AND AUTOMOTIVE REPAIR SHOP, 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 THE 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 \$9,383.03 IN MATERIAL, SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1953.

RECOMMENDATIONS

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

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

1 - EDUCTOR (FOR CLEANING BASINS)	\$15,000.00
1 - SET OF WINCHES AND BUCKETS FOR CLEANING SEWERS	4,000.00
1 - MECHANICAL RODDER	350.00
2 - 3/4 TON PICKUP TRUCKS	3,200.00
TOTAL	<u>\$22,550.00</u>

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

SIDEWALKS ON ACORN STREET, CEMETERY STREET, GLENBRIDGE AVENUE, CHARLES STREET, WEST RIVER STREET, SMITH STREET AND SMITHFIELD AVENUE SHOULD BE COMPLETELY REBUILT.

LELAND STREET FOOTBRIDGE SHOULD BE REBUILT. THE FLOATING DOCK AT THE HARBOR MASTERS WHARF AT POINT AND SOUTH WATER STREETS, MUST BE REBUILT.

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

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

A NEW BUILDING SHOULD BE CONSTRUCTED FOR THE FORESTRY SECTION AT THE NURSERY SITE IN ROGER WILLIAMS PARK.

~~FOUR-NE~~

FOUR NEW STREET SWEEPERS SHOULD BE PURCHASED TO REPLACE THE 1930 ELGIN WHICH IS OUT OF SERVICE AND THE THREE 1947 WAYNE SWEEPERS. THESE SWEEPERS ARE NOW IN NEED OF MAJOR REPAIRS AND THE MAINTENANCE COST IS EXHORBITANT.

THE ADNUN 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 FIVE NEW SNOWPLOWS BE PURCHASED TO REPLACE FIVE OF THE PRESENT PLOWS WHICH ARE IN POOR CONDITION.

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

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

EITHER A CENTRAL HEATING SYSTEM SHOULD BE INSTALLED IN THE HIGHWAY YARD TO REPLACE THE FOUR PRESENT SYSTEMS OR THE PRESENT SYSTEMS SHOULD BE CONVERTED TO OIL AND A NEW BOILER INSTALLED IN THE OFFICE BUILDING. A NEW CENTRAL HEATING SYSTEM WOULD SAVE CONSIDERABLE MONEY ON LABOR ALONE.

THE 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.

THE FIFTY TON TRAILER USED TO MOVE CONSTRUCTION EQUIPMENT HAS NO BRAKES. NEW BRAKES INSTALLED WILL COST \$8,000.00. THE TRAILER IS TOO LARGE FOR THE WORK REQUIRED AND UNDER THE PRESENT SET-UP HAS SUCH A LARGE TURNING RADIUS THAT IT IS VERY CUMBERSOME TO MOVE AROUND THE CITY. IT ALSO NECESSITATES A GANG OF LABORERS TO PLACE THE SKIDS. RECOMMEND THAT A NEW TWENTY-FIVE TON LOWBOY TRAILER WITH TRACTOR BE PURCHASED TO REPLACE IT.

RESPECTFULLY SUBMITTED,

ROBERT B. STRONG
CHIEF OF CONSTRUCTION AND MAINTENANCE DIVISION.

RBS:MC.

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 1952-1953. 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	\$7,633.04
ITEM 1	SERVICES OTHER THAN PERSONAL	1,052.07
ITEM 2	MATERIALS AND SUPPLIES	26.60
ITEM 5	CAPITAL OUTLAY	297.08

STREET CLEANING SECTION

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

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

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

THE FOLLOWING SQUARES WERE ALSO CLEANED DAILY:

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

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

THE SELF-CLOSING TRASH CANS - 168 IN NUMBER, WERE EMPTIED FOUR TIMES PER DAY.

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

AN EMERGENCY CREW WAS ON DUTY 24 HOURS PER 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	623 GUTTER MILES
BEAT PARTOL - ASSIGNED ROUTES	10927 GUTTER MILES
MACHINE BROOM SWEEPING	10894 GUTTER MILES
AMOUNT COLLECTED BY HAND BROOM SWEEPING	6399 TONS
AMOUNT COLLECTED BY BEAT PATROL AND STREET CONTAINERS	5526 TONS
AMOUNT COLLECTED BY MACHINE SWEEPING	10125 TONS

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

ITEM 0 PERSONAL SERVICES	\$266,666.73
ITEM 1 SERVICES OTHER THAN PERSONAL	61,402.86
ITEM 2 MATERIALS AND SUPPLIES	2,998.89

SEWAGE PUMPING STATION

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

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

TOTAL MONTHLY FLOWS IN MILLION GALLONS, FOR EACH STATION, WERE AS FOLLOWS:

	STATION #1	STATION #2	STATION #3	
	ERNEST ST.	WASHINGTON PARK	RESERVOIR AVE.	TOTAL
<u>1952</u>				
OCTOBER	1108.0	14.0	2.0	1124.0
NOVEMBER	1068.0	13.0	2.0	1083.0
DECEMBER	1317.0	14.0	2.0	1333.0
<u>1953</u>				
JANUARY	1612.0	14.0	2.0	1628.0
FEBRUARY	1505.0	12.0	2.0	1519.0
MARCH	1993.0	13.0	2.0	2008.0
APRIL	2089.0	13.0	2.0	2104.0
MAY	1777.0	14.0	2.0	1793.0
JUNE	1435.0	13.0	2.0	1450.0
JULY	1574.0	13.0	2.0	1589.0
AUGUST	1459.0	13.0	3.0	1475.0
SEPTEMBER	1451.0	13.0	2.0	1466.0
TOTALS	18388.0	159.0	25.0	18572.0

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

<u>1952</u>	<u>KW.H.</u>
OCTOBER	265000
NOVEMBER	166900
DECEMBER	182100
<u>1953</u>	
JANUARY	229700
FEBRUARY	215700
MARCH	237800
APRIL	286200
MAY	250000
JUNE	200300
JULY	206700
AUGUST	210300
SEPTEMBER	196700
TOTAL	2648200

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

ITEM 0 PERSONAL SERVICES	341,916.16
ITEM 1 SERVICES OTHER THAN PERSONAL	679.61
ITEM 2 MATERIALS AND SUPPLIES	3,174.29

SEWAGE DISPOSAL WORKS

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

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

ESTIMATED POPULATION SERVED BY THE PLANT:

PROVIDENCE	246,000
PAWTUCKET	10,000
NORTH PROVIDENCE	6,000
TOTAL CONNECTED POPULATION	263,000

SEWAGE FLOW:

PROVIDENCE	17617.11 M.G.
PAWTUCKET	400.00 M.G. (EST)
NORTH PROVIDENCE	2186.47 M.G.
CRANSTON (NARRAGANSETT BREWING CO.)	71.44 M.G.
TOTAL SEWAGE FLOW	20275.02 M.G.

SUMMARY OF OPERATION:

TOTAL FLOW OF SEWAGE	20275.02 M.G.
AVERAGE DAILY FLOW	55.55 M.G.
MAXIMUM DAILY FLOW (APRIL 7, 1953)	120.37 M.G.
MINIMUM DAILY FLOW (OCTOBER 26, 1953)	28.68 M.G.
TOTAL AIR USED FOR AERATION	4582.71 M.C.F.
CALCIUM HYPOCHLORITE USED	5602.74 TONS
CHLORINE AS HYPOCHLORITE	418.8 TONS
LIQUID CHLORINE	55.89 TONS
TOTAL CHLORINE USED	474.69 TONS
FERRIC CHLORIDE USED	72.15 TONS
LIME	182.55 TONS
GRIT AND SCREEN REMOVALS	5232.7 TONS
SLUDGE INCINERATED	5522.6 TONS
ASH REMOVED FROM INCINERATOR	771.4 TONS
FUEL OIL USED IN INCINERATOR	80855 GALS.

ALL THE POWER USED AT THE DISPOSAL PLANT WAS FURNISHED BY THE GENERATORS AT THE GARBAGE INCINERATOR. POWER CONSUMED MONTHLY WAS AS FOLLOWS:

<u>1952</u>	<u>KW.H.</u>	<u>1953</u>	<u>KW.H.</u>
OCTOBER	180900	APRIL	261000
NOVEMBER	174600	MAY	228000
DECEMBER	182600	JUNE	300000
<u>1953</u>		JULY	231800
JANUARY	193700	AUGUST	59700
FEBRUARY	210700	SEPTEMBER	29900
MARCH	248900		

TOTAL 3318900 KW.H.

THE ROOTS CONNERSVILLE AIR BLOWERS WERE CONNECTED TO A SPECIAL LINE FROM THE LOCAL POWER COMPANY IN AUGUST SO THAT EXPERIMENTS COULD BE CARRIED ON IN THE AERATION TANKS BY THE CONSULTING ENGINEERS ENGAGED BY THE CITY FOR IMPROVEMENTS TO THE SEWAGE PLANT.

THE EXPENDITURES FOR THE YEAR WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$88,135.31
ITEM 1 SERVICES OTHER THAN PERSONAL	30,712.51
ITEM 2 MATERIALS AND SUPPLIES	105,846.91
ITEM 5 CAPITAL OUTLAY	521.06
TOTAL	\$125,215.79

PILOT PLANT STUDIES WERE CONTINUED DURING THE YEAR FOR THE CONSULTING ENGINEERS TO DETERMINE THE MOST SATISFACTORY METHOD OF TREATMENT APPLICABLE TO THE PROVIDENCE SEWAGE. THE BIOSORPTION PROCESS WAS USED TO TREAT 10 MILLION GALLONS PER DAY FROM OCTOBER 1952 TO JANUARY 1953. IN JANUARY THE FLOW THROUGH THE PILOT PLANT WAS DOUBLED AND VERY FAVORABLE RESULTS OBTAINED. DURING MAY 1953 THE FLOW WAS REDUCED BACK TO 10 MILLION GALLONS DAILY. STUDIES ARE TO BE CONTINUED DURING THE FOLLOWING YEAR.

THREE SLUDGE RETURN PUMPS WERE REBUILT TO HELP CARRY OUT THE PLANT STUDIES.

THE CHLORINIZORS, INSTALLED BY BUILDERS-PROVIDENCE, WERE COMPLETELY OVERHAULED AND THE EVAPORATORS WERE REPLACED WITH A NEWER, MORE EFFICIENT TYPE.

ONE OF THE INGERSOLL RAND VACUUM PUMPS IN THE FILTER BUILDING WAS OVERHAULED BY PLANT PERSONNEL.

REPAIR WORK WAS PERFORMED ON THE DETRITORS, GRIT COLLECTORS, PRIMARY CLARIFIERS AND THE FINAL CLARIFIERS BY THE PLANT PERSONNEL.

THE ROOTS CONNERSVILLE AIR BLOWERS WERE INSPECTED BY A FIELD ENGINEER FROM THE ROOTS CONNERSVILLE COMPANY AND THE ELECTRIC MOTORS AND STARTING MECHANISMS WERE INSPECTED AND REPAIRED BY A FIELD ENGINEER FROM THE WESTINGHOUSE CORPORATION.

ROUTINE REPAIR WORK WAS PERFORMED IN THE SLUDGE INCINERATOR AND THE ASH HANDLING EQUIPMENT.

MANY DIFFERENT TYPES OF FILTER CLOTHS, RANGING IN PRICE FROM \$25.00 TO \$175.00 EACH, WERE TRIED ON THE VACUUM FILTERS. THE TYPES TRIED WERE AS FOLLOWS: OSNABURG \$25.00; VICTOR FLANNEL \$28.40; S.H.T. DURAPLAD \$59.80; SYNTEX \$72.50; NYLON ARMY DUCK \$92.50; NYLON \$141.05 AND ORLAN \$175.00. EQUAL OR BETTER RESULTS WERE OBTAINED WITH THE OSNABURG CLOTH. AS THE INITIAL COST OF THIS OSNABURG CLOTH IS SO LOW, NO EFFORT IS MADE TO HAVE THE CLOTH LAUNDERED AFTER IT FAILS. WITH THE EXPENSIVE CLOTHS, THIS LAUNDERING IS NECESSARY TO OBTAIN FULL USE OF THE CLOTH. CONSIDERABLE TIME IS SAVED IN RECOVERING FILTER BY NOT WASHING THE FILTER CLOTH. AS THE TIME OF YEAR VARIES, PHYSICAL PROPERTIES OF THE SLUDGE AND FILTERING CONDITIONS HAVE CONSIDERABLE EFFECT ON THE NUMBER OF HOURS OBTAINED FROM ANY TYPE OF FILTER CLOTH, THESE TESTS OF THE CLOTHS WILL BE CARRIED ON DURING THE FOLLOWING YEAR.

REFUSE COLLECTION AND DISPOSAL

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

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

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

THE ROUTES WERE TO BE REVISED DURING THIS PAST YEAR BUT IT WAS DECIDED TO WAIT UNTIL THE NEW DUMP ON GANO STREET WAS STARTED. THE AREA ON CORTEZ STREET WAS ALMOST COMPLETELY FILLED IN AT THE END OF THE YEAR AND THE NEW DUMP WILL BE IN USE WITHIN ONE OR TWO MONTHS.

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

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

	AREA <u>I</u>	AREA <u>II</u>	AREA <u>III</u>	AREA <u>IV</u>	TOTAL
<u>1952</u>					
OCTOBER	988	1209	1456	1027	4680
NOVEMBER	1364	1248	1586	1170	5368
DECEMBER	1391	1105	1170	936	4602
<u>1953</u>					
JANUARY	1299	1248	1586	1170	5303
FEBRUARY	1233	1194	1609	1411	5447
MARCH	1261	1378	1287	1105	5031
APRIL	1560	1248	1599	1027	5434
MAY	1144	1508	1703	1209	5564
JUNE	1469	988	1695	1235	5387
JULY	1157	1044	1118	975	4294
AUGUST	1157	689	1686	1313	4845
SEPTEMBER	1040	793	1404	1040	4277
	<u>15063</u>	<u>13652</u>	<u>17889</u>	<u>13618</u>	<u>60232</u>

THE TOTAL AMOUNT COLLECTED THIS YEAR SHOWS AN INCREASE OF APPROXIMATELY TEN PER CENT OVER LAST YEAR. THE INCREASES FOR EACH AREA WERE AS FOLLOWS:

	1951-52	1952-53	CU.YDS.	PER CENT.
AREA	CU.YDS.	CU.YDS.	INCREASE	INCREASE
I	10,777	15,063	4,286	39.7
II	14,118	13,652	466	3.3
III	16,839	17,899	1,060	6.3
IV	12,714	13,618	904	7.1
TOTALS.....	54,448	60,232	5,784	10.6

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

ITEM 0 PERSONAL SERVICES	574,419.18
ITEM 1 SERVICES OTHER THAN PERSONAL	27,986.61
ITEM 2 MATERIALS AND SUPPLIES	81.26

GARBAGE COLLECTION AND DISPOSAL

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

A FLEET OF TWENTY-TWO TRUCKS WITH SPECIAL ENCLOSED BODIES, IS USED IN MAKING THE COLLECTIONS OF DOMESTIC GARBAGE AND COMBUSTIBLE HOUSEHOLD RUBBISH, COLLECTIONS ARE MADE TWICE EACH WEEK 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 KW. BOTH THE INCINERATOR AND THE POWER PLANT IS IN OPERATION TWENTY FOUR HOURS PER DAY.

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

FOLLOWING IS THE TOTAL GARBAGE AND RUBBISH DISPOSED OF BY THIS DEPARTMENT, ALSO
ASHES REMOVED, FROM OCTOBER 1952 TO SEPTEMBER 1953:

<u>1952-53</u>	<u>GARBAGE (TONS)</u>	<u>RUBBISH (ESTIMATED) (TONS)</u>
OCTOBER	3,014.70	1,500.00
NOVEMBER	2,720.80	1,720.00
DECEMBER	3,468.20	1,680.00
JANUARY	3,167.90	1,660.00
FEBRUARY	3,077.00	1,520.00
MARCH	3,313.75	1,540.00
APRIL	3,206.75	1,590.00
MAY	3,203.50	1,620.00
JUNE	3,331.00	1,550.00
JULY	3,308.50	1,490.00
AUGUST	3,201.50	1,480.00
SEPTEMBER	3,352.60	1,453.00
COMBINED TOTAL	38,366.20	18,803.00

DAILY AVERAGE FOR COLLECTION BASED ON 313 WORKING DAYS:

GARBAGE	122.5 TONS
RUBBISH	60.0 TONS
TOTAL.....	182.5 TONS

DAILY AVERAGE FOR DISPOSAL BASED ON 365 WORKING DAYS:

GARBAGE	105.11 TONS
RUBBISH	51.50 TONS
TOTAL	156.61 TONS

DURING THE FISCAL YEAR 28,764.63 GALLONS OF NO.6 FUEL OIL WERE USED TO MAINTAIN THE
STEAM PRESSURE IN TIMES OF EMERGENCY OR MECHANICAL BREAK-DOWN.

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

<u>1952-53</u>	<u>SEWAGE DISPOSAL</u>	<u>SEWAGE PUMPING</u>	<u>STATION POWER</u>
OCTOBER	180,900	265,800	82,300
NOVEMBER	174,600	166,900	76,500
DECEMBER	182,600	182,100	90,300
JANUARY	193,700	229,700	93,600
FEBRUARY	210,700	215,700	86,000
MARCH	248,900	273,800	90,300
APRIL	261,000	286,200	83,800
MAY	228,000	250,100	82,900
JUNE	300,000	200,300	80,700
JULY	231,800	206,700	80,500
AUGUST	59,700	210,300	71,000
SEPTEMBER	29,900	196,700	100,400
TOTAL	2,301,800	2,684,300	1,018,300

TOTAL POWER GENERATED	6,018,300
AVERAGE DAILY DISTRIBUTED LOAD	16,450
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE DISPOSAL PLANT	6,306
AVERAGE DAILY LOAD TO SEWAGE PUMPING STATION	7,355
AVERAGE DAILY DISTRIBUTED LOAD USED AT INCINERATOR	2,789

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

<u>1952</u>	<u>TONS</u>
OCTOBER	502.20
NOVEMBER	490.00
DECEMBER	510.00
<u>1953</u>	
JANUARY	560.10
FEBRUARY	510.00
MARCH	525.20
APRIL	520.30
MAY	512.60
JUNE	490.00
JULY	540.60
AUGUST	541.25
SEPTEMBER	560.00
TOTAL	6,262.25

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

IT HAS BEEN NECESSARY TO REPAIR THE ASH CONVEYOR FREQUENTLY DURING THE YEAR. BOTH THE CHAIN AND FLIGHTS AS WELL AS THE STEEL FRAME WORK HAVE BEEN REPAIRED. THIS CONDITION WILL BE TAKEN CARE OF DURING THE NEXT FISCAL YEAR WHEN NEW ASH HANDLING EQUIPMENT IS TO BE INSTALLED.

A REPAIR JOB WAS DONE ON THE ROOF OF UNIT NO.1. THIS UNIT WAS IN OPERATION APPROXIMATELY FIVE MONTHS OF THE FISCAL YEAR.

TWO DAMPER GATES AND TWO CHARGING DOORS IN UNIT NO.1 WERE REBUILT. ALSO TWO BRIDGE WALLS WERE REBUILT IN THIS UNIT.

THREE DAMPER GATES AND TWO CHARGING DOORS WERE RENEWED IN UNIT NO.2.

NEW CATWALKS WERE ERECTED AROUND BOILERS NOS. 3 AND 4 TO FACILITATE THE CLEANING OF THESE BOILERS. THIS MAKES IT UNNECESSARY FOR THE MEN TO WORK FROM LADDERS AS THEY HAVE IN THE PAST. THE POSSIBILITY OF ACCIDENTS FROM THIS CAUSE HAS BEEN ELIMINATED WITH THE INSTALLATION OF THE CATWALKS.

TWO WALLS IN THE COMBUSTION CHAMBER OF UNIT NO.2 WERE REBUILT.

THE BOILERS, PIPING AND STEEL WORK OF UNIT NO.2 WERE GIVEN A COMPLETE PAINT JOB.

THE COMPENSATING PUMP WAS COMPLETELY OVERHAULED.

THE INDUCED FAN IN UNIT NO.2 WAS REPAIRED AND IS NOW IN GOOD CONDITION.

A MODEL "H" YALE ROLLER BEARING STEEL TROLLEY WAS INSTALLED. THIS WILL FACILITATE THE WORK ON TOP OF THE FURNACES.

REPAIRS WERE MADE TO THE INGERSOLL-RAND AIR COMPRESSOR AND THIS UNIT IS NOW IN GOOD SHAPE.

THE SOOT BLOWERS WERE REPAIRED AND TWO NEW CHROME ELEMENTS WERE INSTALLED.

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

ITEM 0	PERSONAL SERVICES	\$409,214.33
ITEM 1	SERVICES OTHER THAN PERSONAL	187,976.30
ITEM 2	MATERIALS AND SUPPLIES	13,905.94
ITEM 5	CAPITAL OUTLAY	4,016.59

SANITATION SHOPS AND STORES

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

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

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

2 (1941)	OPEN BODY TRUCKS
2 (1945)	GARBAGE COLLECTION TRUCKS
7 (1947)	GARBAGE COLLECTION TRUCKS
7 (1948)	GARBAGE COLLECTION TRUCKS
3 (1949)	GARBAGE COLLECTION TRUCKS
3 (1953)	GARBAGE COLLECTION TRUCKS
8 (1950)	REFUSE COLLECTION TRUCKS
1 (1951)	ASH DUMP TRUCK
1 (1947)	PICKUP TRUCK $\frac{1}{2}$ TON
1 (1950)	PICKUP TRUCK $\frac{1}{2}$ TON
1 (1950)	PICKUP TRUCK $\frac{3}{4}$ TON
2 (1946)	TWO DOOR SEDANS
1 (1947)	TWO DOOR SEDAN
1 (1952)	TWO DOOR SEDAN
1 (1953)	TWO DOOR SEDAN
1	BULLDOZER

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

DURING THE YEAR, THREE NEW TRUCK CHASSIS WERE PURCHASED AND THE SPECIAL GAR-WOOD BODIES WERE REMOVED FROM THE OLD CHASSIS AND COMPLETELY OVERHAULED BY THE GAR-WOOD COMPANY BEFORE INSTALLING THEM ON THE NEW CHASSIS.

A SUMMARY OF THE EXPENDITURES AND RECEIPTS FOR THIS SECTION DURING THE YEAR IS AS FOLLOWS:

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$37,335.03
ITEM 1	SERVICES OTHER THAN PERSONAL	11,112.89
ITEM 2	MATERIALS AND SUPPLIES	4,993.28
ITEM 5	CAPITAL OUTLAY	12,208.37
	TOTAL	\$105,694.57

RECEIPTS

WORKING CAPITAL	57,145.01
WORKING CAPITAL (ITEM 5)	19,500.00
EQUIPMENT RENTALS	99,550.12
STOCK ORDERS	455.03
MISCELLANEOUS	12.00
CLOSING INVENTORY	3,958.88
	<u>\$130,621.04</u>

RECOMMENDATIONS

THE GARBAGE INCINERATOR SHOULD HAVE A CONNECTION TO THE WATER MAIN ON TERMINAL ROAD. THE PRESENT AND ONLY CONNECTION IS WITH THE WATER MAIN ON ERNEST STREET. IF A BREAK SHOULD OCCUR IN THE ERNEST STREET LINE, THE INCINERATOR WILL BE WITHOUT A SOURCE OF SUPPLY.

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

THE OPERATION OF THE DAMPER GATE ON THE SLUDGE INCINERATOR SHOULD BE CONVERTED FROM HAND TO MECHANICAL OPERATION. THIS DAMPER COULD THEN BE REGULATED FROM THE GROUND FLOOR OF THE INCINERATOR NEAR THE CONTROL PANEL INSTEAD OF ON THE FOURTH FLOOR.

A MAINTENANCE CREW, CONSISTING OF A PAINTER, ELECTRICIAN, AND TWO LABORERS SHOULD BE ADDED TO THE SHOPS AND STORES. THIS GROUP COULD DO ALL THE MAINTENANCE ON BUILDINGS AND EQUIPMENT IN ALL SECTIONS OF THE DIVISION. THERE IS CONSIDERABLE WORK THAT SHOULD BE DONE AND IT IS IMPOSSIBLE FOR EACH SECTION TO DO ALL OF IT AND PERFORM THE ROUTINE DUTIES. THIS GROUP COULD ALSO BE USED TO PAINT AUTOMOTIVE EQUIPMENT IN THE DIVISION.

RESPECTFULLY SUBMITTED,

HOWARD F. CARPENTER
CHIEF OF THE SANITATION DIVISION.

PUBLIC SERVICE DIVISION

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

DEAR SIR:

I RESPECTFULLY SUBMIT THE FOLLOWING REPORT OF THE REVENUE, EXPENDITURES AND
OPERATION OF THE PUBLIC SERVICE DIVISION FOR THE FISCAL YEAR 1952-1953.

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	52	66	1,110
STATIONARY OPERATING ENGINEERS	10	82	982
REFRIGERATING MACHINE OPERATORS	2	12	38

REVENUE RECEIVED FROM ISSUANCE OF LICENSES:

BOILER OPERATORS	\$2550.00
STATIONARY OPERATING ENGINEERS	2374.00
REFRIGERATING MACHINE OPERATORS	<u>136.00</u>
TOTAL	\$5060.00

THE REVENUE OBTAINED FROM THE ABOVE LICENSES SHOWS AN INCREASE OVER THE PREVIOUS
FISCAL YEAR OF \$1134.00.

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

BOILER OPERATORS	INCREASE - 264
STATIONARY OPERATING ENGINEERS	INCREASE - 277
REFRIGERATING MACHINE OPERATORS	DECREASE - 14

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

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$12,573.34
ITEM 1 SERVICES OTHER THAN PERSONAL	939.13
ITEM 2 MATERIALS AND SUPPLIES	67.10
ITEM 5 CAPITAL OUTLAY	<u>32.05</u>
	\$13,611.62

THE REDUCTION OF EXPENDITURES, "ITEM 0", FROM THOSE OF THE PREVIOUS FISCAL YEAR
IS DUE TO MR. JOHN T. CROWLEY'S SALARY BEING CHARGED TO STREET LIGHTING INSTEAD OF
PUBLIC SERVICE ADMINISTRATION.

ELECTRIC AND GAS STRUCTURES IN THE STREETS OF THE CITY OF PROVIDENCE AS OF
SEPTEMBER 30, 1953:

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

PROVIDENCE GAS COMPANY

TOTAL GAS SERVICES IN PROVIDENCE	39,256
MILES OF MAIN	397.9
GAS HOLDERS	4
NUMBER OF METERS (ACTIVE)	66,419
INCREASE IN GAS SERVICES	121
INCREASE IN MILES OF MAIN	2.32
DECREASE IN NUMBER OF METERS (ACTIVE)	1,237

WESTERN UNION TELEGRAPH COMPANY

CITY PLANT, PROVIDENCE, R. I.

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

DEPARTMENT OF PUBLIC SAFETY

	<u>TOTAL</u>	<u>AERIAL</u>	<u>U.G.</u>	<u>QUICK ACTION</u>	<u>DOORS</u> <u>KEY</u>	<u>KEYLESS</u>
FIRE ALARM BOXES	894	532	362	868	13	13
OWNED BY CITY	637	375	262	637	0	0
PRIVATELY OWNED	257	157	100	231	13	13
POLICE BOXES	166	103	63			

TOTAL NUMBER OF ALL BOX AND CABLE PEDESTALS	331
TOTAL NUMBER OF ALL FIRE ALARM BOX PEDESTALS	226
TOTAL NUMBER OF ALL POLICE BOX PEDESTALS	070
TOTAL NUMBER OF ALL CABLE PEDESTALS ONLY	035
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	6.24
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR - AERIAL	46.27
TOTAL NUMBER OF MILES OF SINGLE CONDUCTOR FIRE ALARM BOX CIRCUIT WIRE AERIAL	123.9
TOTAL NUMBER OF POLES OWNED BY THE FIRE ALARM DIVISION	11
TOTAL FOOTAGE OF ALL UNDERGROUND DUCTS AND LATERALS OWNED BY THE FIRE ALARM DIV.	3545.6

INCREASE IN THE NUMBER OF FIRE ALARM BOXES OWNED BY THE CITY	8
INCREASE IN THE NUMBER OF FIRE ALARM BOXES PRIVATELY OWNED	9
TOTAL INCREASE	17

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

TOTAL NUMBER WOOD POLES (INCLUDING JOINTLY USED, BUT NOT INCLUDING THOSE JOINTLY USED WITH NO OWNERSHIP)	15,800
TOTAL NUMBER OF JOINTLY OWNED POLES WITH N.E.CO.	12,422
TOTAL NUMBER OF JOINTLY OWNED POLES WITH U.T.CO.	1,144
TOTAL NUMBER OF JOINTLY OWNED POLES WITH W.U.T.CO.	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH ANY OTHER	828
TOTAL NUMBER OF MILES MAIN CONDUIT (TRENCH FEET)	55.08
TOTAL NUMBER MILES U.G. CABLE	222.43
TOTAL NUMBER MILES AERIAL CABLE	204.82
TOTAL WOOD TERMINAL BOXES ON POLES	224
APPROXIMATE NUMBER OF TELEPHONES SUPPLIED DIRECTLY BY UNDERGROUND OR BLOCK DISTRIBUTION	47,499
APPROXIMATE NUMBER TELEPHONES SUPPLIED DIRECTLY BY OVERHEAD LINES ON HIGHWAYS	39,768

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)	141
ADDITIONAL MILES OF CABLE - U.G. AND AERIAL	2.35
INCREASE IN THE NUMBER OF TELEPHONES IN USE	1,427

NARRAGANSETT ELECTRIC COMPANY

TOTAL NUMBER OF WOOD POLES, (INCLUDING JOINTLY OWNED BUT NOT INCLUDING JOINTLY USED, WITH NO OWNERSHIP)	18,633
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TOTAL NUMBER JOINTLY OWNED POLES WITH N.E.T & T CO.	12,422
TOTAL NUMBER JOINTLY OWNED POLES WITH U.T.C. CO.	1,809
TOTAL NUMBER JOINTLY OWNED POLES WITH WES. UN. TEL. CO.	-
TOTAL NUMBER JOINTLY OWNED POLES WITH NET. & UTC. (3 PARTY)	828
TOTAL NUMBER JOINTLY OWNED POLES WITH UTC & WUT.	-
TOTAL NUMBER JOINTLY OWNED POLES WITH NET. & WUT.	-

TOTAL NUMBER IRON POLES IN CITY	4,654
UNDERGROUND STREET LIGHT STANDARDS	2,234
ORNAMENTAL ARCS	36
ORNAMENTAL INCANDESCENTS (MERCURY VAPOR)	2,187
GOOSE NECKS	11
ORNAMENTAL INC. WITH UTC.	147
IRON POLES WITH UTC & NET & T.CO.	36
IRON POLES WITH NET & T CO.	3
IRON POLES WITH U.T.C.	-

TOTAL NUMBER MILES CONDUIT (TRENCH FEET) IN CITY	85.18
TOTAL NUMBER MILES CONDUIT (DUCT FEET) IN CITY	709.50
TOTAL NUMBER MILES UNDERGROUND CABLE IN CITY	676.78
TOTAL NUMBER MILES EQUIVALENT SINGLE UNDERGROUND CONDUCTOR	1,284.01
TOTAL NUMBER MILES AERIAL CABLE	199.96
TOTAL NUMBER MILES SERVICE PIPES OR LATERALS	8.12
TOTAL NUMBER MILES EQUIVALENT SINGLE CONDUCTOR AERIAL CABLE	580.78
TOTAL NUMBER MILES AERIAL OPEN WIRE	3,925.55
TOTAL NUMBER MOLES COMMERCIAL TRANSFORMERS IN CITY	4,666
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY U.G. CONNECTION	27,902
TOTAL NUMBER CUSTOMERS SUPPLIED DIRECTLY BY O.H. CONNECTION	59,316
TOTAL NUMBER METERS INSTALLED IN CITY	87,218
APPROXIMATE TOTAL NUMBER OF 1/2 WIRE 115 V. METERS IN CITY	66,018
APPROXIMATE TOTAL NUMBER OF 1/3 WIRE 115/250 V. METERS IN CITY	15,195
APPROXIMATE TOTAL NUMBER OF 1/2 WIRE 250/V. METERS IN CITY	0
APPROXIMATE TOTAL NUMBER OF 1/5 WIRE 250-500V. METERS IN CITY	0
APPROXIMATE TOTAL NUMBER OF 3/3 WIRE 115 V. METERS IN CITY	22
APPROXIMATE TOTAL NUMBER OF 3/3 WIRE 250 V. METERS IN CITY	269
TOTAL NUMBER OF 3/4 WIRE 120/208 V. METERS IN CITY	1,605
TOTAL NUMBER OF 1/3 WIRE 120/208 V. METERS IN CITY	2,308
TOTAL NUMBER OF D.C. 2 WIRE AND 3 WIRE 250 AND 250/500 V. METERS IN CITY	162
APPROXIMATE TOTAL NUMBER OF 3/3 WIRE 575 V. METERS IN CITY	1,645

INCREASE IN EQUIPMENT IN USE OVER PREVIOUS FISCAL YEAR.

WOOD POLES	167	METERS INSTALLED	294
IRON POLES	204	CUSTOMERS SUPPLIED	296
CONDUIT (TRENCH FEET)	2.19 MILES	U.G. CABLE	14.09 MILES
CONDUIT (DUCT FEET)	18.95 MILES	AERIAL CABLE	16.66 MILES
AERIAL OPEN WIRE	129.45 MILES		

UNITED TRANSIT COMPANY

TOTAL NUMBER WOOD POLES (INCLUDING JOINTLY USED, BUT NOT INCLUDING THOSE JOINTLY USED WITH NO OWNERSHIP)	5,142
TOTAL NUMBER OF JOINTLY OWNED POLES WITH N.E.CO.	1,809
TOTAL NUMBER OF JOINTLY OWNED POLES WITH NET & T CO.	1,144
TOTAL NUMBER OF JOINTLY OWNED POLES WITH WUT, UTC, NEC	0
TOTAL NUMBER OF JOINTLY OWNED POLES WITH NET & T CO., NE CO.	828
TOTAL NUMBER OF JOINTLY OWNED POLES WITH WUT	0

TOTAL NUMBER OF SIGNALS (AUTOMATIC) IN CITY 5 SETS OR 10 ($\frac{1}{2}$ BLOCKS)	0
TOTAL NUMBER OF SIGNALS (HAND THROWN) IN CITY	0
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	
NUMBER 10 SIGNAL AND TELEPHONE WIRE	23.80
NUMBER 14 TWISTED PAIR TELEPHONE WIRE	0
NUMBER 1/0 FEEDER WIRE	0
NUMBER 2/0 FEEDER WIRE	3.60
NUMBER 4/0 FEEDER WIRE	1.30
250,000 C.M. FEEDER WIRE	3.42
300,000 C.M. FEEDER WIRE	3.61
350,000 C.M. FEEDER WIRE	1.02
500,000 C.M. FEEDER WIRE	63.24
1,000,000 C.M. FEEDER WIRE	5.51

TOTAL MILES OF STREET CAR TROLLEY WIRE (EXCLUDING TROLLEY-BUS WIRE)	0
TOTAL MILES OF TROLLEY-BUS POSITIVE WIRES	82.26
TOTAL MILES OF TROLLEY-BUS NEGATIVE WIRE	82.26

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	2256

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

WOOD POLES		3
NUMBER 10 SIGNAL AND TELEPHONE WIRE	MILES	10.09
250,000 C.M. FEEDER WIRE	MILES	2.25
300,000 C.M. FEEDER WIRE	MILES	.39
350,000 C.M. FEEDER WIRE	MILES	.77
500,000 C.M. FEEDER WIRE	MILES	33.09
1,000,000 C.M. FEEDER WIRE	MILES	1.57
TROLLEY-BUS WIRE, POSITIVE	MILES	26.22
TROLLEY-BUS WIRE, NEGATIVE	MILES	26.22

NUMBER OF CROSS-OVERS NOT IN USE	1
NUMBER OF IRON POLES	13

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	800
NUMBER OF DEFECTIVE NOTICES	1359
NUMBER OF PERMITS ISSUED	6239
NUMBER OF INSPECTIONS AFTER FIRE	838
NUMBER OF INVESTIGATIONS REQUESTED BY THE NARRAGANSETT ELECTRIC CO. AND THE FIRE DEPARTMENT	120
NUMBER OF SPECIAL INVESTIGATIONS	2,999
NUMBER OF RE-INSPECTIONS	1,537
TOTAL NUMBER OF INSPECTIONS	13,892

NOTE: SIX (6) REQUESTS FOR SPECIAL PERMISSION WERE GRANTED DURING THIS YEAR.

AVERAGE TIME PER MAN PER INSPECTION, CALCULATED ON AN ANNUAL BASIS AND INCLUDING TRAVELLING TIME IS LESS THAN 19 MINUTES. AN INCREASE OF 33 PER CENT. IN THE NUMBER OF SPECIAL INVESTIGATIONS TENDS TO INCREASE THE AVERAGE TIME PER INSPECTION.

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 ENDED SEPTEMBER 30, 1953, IS AS FOLLOWS:

<u>ILLUMINATED SIGNS</u>	<u>NON-ILLUMINATED</u>	<u>TOTAL</u>
273	85	358

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$15,875.35
ITEM 1	SERVICES OTHER THAN PERSONAL	3,219.75
ITEM 2	MATERIALS AND SUPPLIES	80.34
ITEM 5	CAPITAL OUTLAY	132.50
		<u>\$19,307.94</u>

STREET LIGHTING SECTION

STREET LIGHTING COSTS

THE TOTAL EXPENDITURES FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1953, FOR STREET, BRIDGE, SUBWAY, AND PARK LIGHTING BILLS, CONTRACTED IN THE MONTH STATED, LESS ALL CREDITS FOR OUTAGE, HAVE BEEN AS FOLLOWS:

1952-1953 APPROPRIATION - \$425,000

INCANDESCENTS

<u>1952</u>	<u>TOTAL BILL</u>	<u>LESS OUTAGE</u>	<u>NET COST</u>
OCTOBER	\$33,085.39	\$171.74	\$32,913.65
NOVEMBER	33,780.56	220.81	33,559.75
DECEMBER	34,422.27	220.31	34,201.96
<u>1953</u>			
JANUARY	35,126.18	198.36	34,927.82
FEBRUARY	35,276.56	165.02	35,111.54
MARCH	35,484.75	158.34	35,326.41
APRIL	35,480.66	158.03	35,322.63
MAY	35,653.23	116.39	35,536.84
JUNE	35,682.73	90.87	35,591.86
JULY	35,704.14	86.95	35,617.19
AUGUST	35,705.01	97.60	35,607.41
SEPTEMBER	35,717.23	122.31	35,594.92
	<u>\$421,118.71</u>	<u>\$1,806.73</u>	<u>\$419,311.98</u>

ARC LIGHTS

<u>1952</u>	<u>TOTAL BILL</u>	<u>LESS OUTAGE</u>	<u>NET COST</u>
OCTOBER	\$864.13	\$24.15	\$839.98
NOVEMBER	815.03	49.52	765.51
DECEMBER	625.45	45.68	579.77
<u>1953</u>			
JANUARY	424.69	34.88	389.81
FEBRUARY	356.15	15.17	340.98
MARCH	227.73	26.18	201.55
APRIL	258.87	14.97	243.90
MAY	258.87	12.72	246.15
JUNE	258.87	7.50	251.37
JULY	258.87	7.20	251.67
AUGUST	258.87	5.34	253.53
SEPTEMBER	258.87	10.27	248.60
	<u>\$4,866.40</u>	<u>\$253.58</u>	<u>\$4,612.82</u>

RECAPITULATION

	<u>INCANDESCENTS</u>	<u>ARCS</u>	<u>GRAND TOTAL</u>
TOTAL COSTS (NET)	\$419,311.98	\$4,612.82	\$423,924.80

TOTAL MONTHLY AVERAGE COST 1951-1952	\$31,430.20
TOTAL MONTHLY AVERAGE COST 1952-1953	35,327.06

INCREASE FROM PREVIOUS YEAR OF THE TOTAL COSTS OF STREET LIGHTING	46,762.33
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TOTAL SAVINGS IN OUTAGES	2,060.31
ARC LIGHT ADJUSTMENT CREDIT	1,101.33

SCHEDULE OF STREET LIGHTING DATA

	ARCS			O.H. A.N.		1000 CP.			
	U.G.	O.H.	750W	600 CP.		U.G.	A.N.	U.G.	H.N. O.H. A.N.
OCT. 1, 1952	124	0	0	29		482		3	80
SEPT. 30, 1953	36	0	0	29		446		3	55
CHANGES	88	0	0	0		36		0	25

	U.G. INCANDESCENT CLUSTERS				MER.	MERC.	MERC.	1000 CP. SODIUM LIGHTS		
	2 LT. CL.	3 LT. CL.	5 LT. CL.		2 LT.	VAP.	A.N.	U.G.	A.N.	O.H. A.N.
	A.N. H.N.	H.N.	A.N. H.N.		A.N. UG	O.H.	U.G.			
OCT. 1, 1952	2A 2	4	1 1		6	1339	965	22		3
SEPT. 30, 1953	2A 2	4	1 1		8	1443	1299	22		3
CHANGES	0 0	0	0 0		2	104	334	0		0

	100 CP.		100 CP.	O.H.	MERC. VAP.		A.N. O.H.	A.N. U.G.	
	A.N. U.G.	H.N.			24 HR. U.G.			250 CP.	400 CP.
OCT. 1, 1952	178	232	8229-B	19	44		226		8
SEPT. 30, 1953	178	232	8232	19	44		251		0
CHANGES	0	0	3	0	0		25		0

	SEPT. 30, 1952	SEPT. 30, 1953	CHANGES
TOTAL NUMBER EQUIVALENT SINGLE INCANDESCENT LIGHTS	9541	9501	40
TOTAL NUMBER EQUIVALENT SINGLE ARC LIGHTS	124	36	88
TOTAL NUMBER MERCURY LIGHTS 16,000 LUMEN	2316	2802	486
TOTAL NUMBER EQUIVALENT SINGLE SODIUM LIGHTS	25	25	

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

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

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

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

YEAR	<u>ARCS</u>		<u>INCANDESCENTS</u>					<u>SODIUM MERCURY</u>			
	6.6A	5.5A									
	LUM.	100 CP.	250 CP.	400 CP.	750W	300W	1000 CP.	600 CP.	1000 CP.	40	
1920	1582										
1921	1582										
1922	1589										
1923	1612										
1924	1630										
1925	1631										
1926	1635										
1927	1717										
1928	1739	8605	6	8	10	10	48				
1929	1749	8720	9	14	10	15	48				
1930	1779	8704	8	14	10	15	48				
1931	1771	8748	8	14	10	15	78				
1932	1758	8699	8	16	10	15	118				
1933	1758	8702	8	16	10	15	118				
1934	1746	8709	8	16	10	15	130				
1935	1746	8727	8	16	10	14	130				
1936	1697	8691	8	16	9	14	214				
1937	1697	8703	8	16	9	14	214				
1938	1628	8724	8	16	9	14	320				
1939	1626	8735	8	16	9	14	328				
1940	1619	8746	8	16	9	14	331	29	25		
1941	1513	8727	8	16	9	14	508	29	25		
1942	1513	8731	8	16	9	14	598	29	25		
1943	1513	8731	8	16	9	14	540	29	25		
1944	1499	8741	8	16	9	14	540	29	25		
1945	1485	8756	8	16	9	14	540	29	25		
1946	1364	8513	8	104	9	14	554	29	26	19	
1947	1264	8709	8	69	9	14	568	29	26	179	
1948	1199	8687	8	16	9	14	568	29	26	256	
1949	750	8624	115	16	9	14	586	29	25	1049	
1950	514	8701	116	14	9	14	550	29	25	1556	
1951	298	8721	162	14	9	14	560	29	25	1855	
1952	124	8668	226	9	0	0	565	29	25	2360	
1953	36	8671	251	1	0	0	504	29	25	2802	

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, 1953, DEPENDED UPON THE COST OF FUEL FOR THE YEAR ENDING JULY 31, 1953. THIS COST AVERAGED \$1.38, AND RESULTED IN A DECREASE IN COST OVER THAT OF THE PREVIOUS YEAR. A TABULATION SHOWING THE UNIT PRICES FOR THE YEAR BEGINNING OCTOBER 1, 1953, IS AS FOLLOWS:

	ANNUAL INCREASE PER 10¢ INCREASE IN COST OF FUEL ABOVE \$8.00 BASE	NO. OF 10¢ ABOVE \$8.00 BASE FUEL PRICE	INCREASE OVER BASE PRICE	BASE PRICE	NEW PRICE
<u>ARC LAMPS</u>					
UNDERGROUND SINGLE	.17	33	\$5.61	\$87.69	\$93.30
<u>INCANDESCENT 100 CP.</u>					
U.G. ALL NIGHT	.025	33	.83	28.03	28.86
U.G. 2 LT. CLUSTER, A.N.	.05	33	1.65	37.57	39.22
U.G. 5 LT. CLUSTER, A.N.	.125	33	4.13	66.02	70.15
U.G. SINGLE ½ NIGHT	.012	33	.40	24.61	25.01
U.G. 2 LT. ½ NIGHT	.024	33	.79	30.72	31.51
U.G. 3 LT. ½ NIGHT	.036	33	1.19	37.33	38.52
U.G. 5 LT. ½ NIGHT	.06	33	1.98	48.89	50.87
AERIAL SINGLE, A.N.	.025	33	.83	15.00	15.83
AERIAL SINGLE, ½ NIGHT	.012	33	.40	9.90	10.30
<u>MISCELLANEOUS</u>					
250 C.P. AERIAL, A.N.	.05	33	1.65	30.00	31.65
400 C.P. U.G. NOVALUX, A.N.	.075	33	2.48	72.50	74.98
1000 C.P. AERIAL, A.N.	.18	33	5.94	65.00	70.94
1000 C.P. U.G. A.N.	.18	33	5.94	85.00	90.94
1000 C.P. U.G. ½ NIGHT	.096	33	3.17	68.37	71.54
10,000 LUMEN SODIUM, U.G.	.048	33	1.58	85.00	86.58
10,000 LUMEN SODIUM, O.H.	.048	33	1.58	65.00	66.58
600 C.P. INCANDESCENT, O.H.	.072	33	2.38	50.00	52.38
600 C.P. INCANDESCENT, U.G.	.072	33	2.38	70.00	72.38
16,000 LUMEN MERCURY, O.H.	.18	33	5.94	65.00	70.94
16,000 LUMEN MERCURY, U.G.	.18	33	5.94	85.00	90.94
16,000 LUMEN MERCURY, U.G. 2 LT.	.36	33	11.88	152.00	163.88
400 C.P. AERIAL	.075	33	2.48	40.00	42.48

NARRAGANSETT ELECTRIC COMPANY FUEL COSTS

THE RATES WHICH ARE AFFECTED BY FUEL COSTS ARE;

GENERAL SERVICE RATE D	\$5.00
POWER RATE F	\$5.40
POWER RATE G	\$5.50
LIMITED SERVICE RATE H-3 ABOVE	\$5.00

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

THE COST OF FUEL BY MONTH WAS AS FOLLOWS:

<u>1952</u>	
OCTOBER	\$11.48
NOVEMBER	11.45
DECEMBER	11.54
<u>1953</u>	
JANUARY	11.46
FEBRUARY	11.33
MARCH	11.21
APRIL	11.24
MAY	11.16
JUNE	11.14
JULY	11.12
AUGUST	11.17
SEPTEMBER	10.99

THE ABOVE FIGURES SHOW THAT THE AVERAGE PRICE PER TON FOR THE YEAR WAS \$11.28.

THE NUMBER OF LAMPS AND GLOBES REPORTED AS BROKEN ON STREET LIGHTS DURING THE YEARS 1951-52-53 IS AS FOLLOWS:

	<u>ARC GLOBES</u>	<u>INCANDESCENT GLOBES</u>	<u>LIGHTS BROKEN</u>	<u>MERCURY GLOBES</u>	<u>NOVALUX</u>
1951-52	155	438	4700	27	
1952-53	37	418	5377	63	

MILES OF STREETS 43-LIGHTED DURING THE PAST FISCAL YEAR, INCLUDING NEW CIRCUIT, PERMITS APPROVED - 11.9

<u>NEW STREET LIGHT PETITIONS RECEIVED</u>	<u>GRANTED</u>	<u>REJECTED</u>
85	59	26

SUMMARY

THERE ARE AT PRESENT 36 UNDERGROUND CONNECTED ARC LIGHTS LEFT IN THE CITY OF PROVIDENCE. DURING THE PAST FISCAL YEAR 88 OF THIS TYPE OF LIGHTS HAVE BEEN REMOVED. THE STREET LIGHTING PROGRAM CALLS FOR REPLACEMENT OF THE REMAINING 36 WITH IMPROVED 16,000 LUMEN MERCURY VAPOR LIGHTS.

486.-16,000 LUMEN MERCURY VAPOR LIGHTS HAVE BEEN PUT INTO SERVICE IN PUBLIC PLACES DURING THE FISCAL YEAR. THERE ARE NOW 2802 SUCH LIGHTS IN PUBLIC USE IN THE CITY.

THE NUMBER OF 2500 LUMEN INCANDESCENT STREET LIGHTS HAVE BEEN INCREASED BY 25, BRINGING THE TOTAL NUMBER OF THIS TYPE OF LIGHT NOW IN USE TO 251.

THERE ARE 504 -10,000 LUMEN LIGHTS IN SERVICE IN THE CITY. 61 LIGHTS OF THIS TYPE HAVING BEEN REMOVED DURING THE PAST FISCAL YEAR AND REPLACED WITH 16,000 LUMEN MERCURY VAPOR LIGHTS.

THERE ARE 867 -1000 LUMEN LIGHTS IN SERVICE (FAMILIAR NEIGHBORHOOD TYPE). THIS TYPE SHOWS AN INCREASE OF ONLY THREE LIGHTS OVER THE TOTAL FOR THE PREVIOUS YEAR. THERE HAVE BEEN 32 LIGHTS OF THIS TYPE INSTALLED DURING THE PAST FISCAL YEAR, AND 29 HAVE BEEN REMOVED AND REPLACED WITH 16,000 LUMEN MERCURY VAPOR LIGHTS.

MILES OF CITY STREETS RELIGHTED

	<u>UNDERGROUND</u>	<u>OVERHEAD</u>
END OF FISCAL YEAR 1951-1952	18	35.6
END OF FISCAL YEAR 1952-1953	28	37.5
INCREASE OVER PREVIOUS YEAR	10	1.9

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$3,317.35
ITEM 1 SERVICES OTHER THAN PERSONAL	\$423,924.80
	\$427,241.15

AIR POLLUTION SECTION

THIS YEAR THE AIR POLLUTION SECTION INCREASED ITS WORK-LOAD IN ANNUAL INSPECTIONS, NEW INSTALLATION INSPECTIONS AND INVESTIGATIONS OF COMPLAINTS.

THE WORK OF THE PREVIOUS YEARS IN ANNUAL INSPECTIONS IS PAYING DIVIDENDS. CONDITIONS IN BOILER ROOMS ARE IMPROVING STEADILY. THIS RAISES BOILER OPERATING EFFICIENCY AND HELPS PREVENT SMOKE BEFORE IT CAN START. PARTICULAR ATTENTION IS PAID TO SAFETY CONDITIONS IN THE BOILER ROOMS AND A MAJOR CONTRIBUTION TO THE CITY'S SPLENDID FIRE PREVENTION RECORD IS MADE BECAUSE EVERY NON-RESIDENTIAL BOILER IN THE CITY IS INSPECTED. THIS CAN BE SHOWN BY THE LARGE NUMBER OF HEATING PLANT FIRES THAT OCCUR IN OTHER CITIES THROUGHOUT THE COUNTRY AS RECORDED IN THE PRESS.

SINCE TAKING OVER THE INSPECTION OF NEW FUEL BURNING INSTALLATIONS THIS DEPARTMENT HAS BUILT UP THE NUMBER OF PERMITS ISSUED ANNUALLY. ALTHOUGH THE FEE IS NOMINAL, THERE HAS BEEN AN INCREASE OF REVENUE FROM THIS SOURCE. HOWEVER, OF MUCH MORE IMPORTANCE IS THE FACT THAT BY CONSCIENTIOUSLY TRACKING DOWN AND INSPECTING UNREPORTED FUEL BURNING INSTALLATIONS THE INSPECTORS MAY BE SAVING LIVES. NO PERMIT FOR A FUEL BURNING INSTALLATION IS GIVEN UNTIL VERY RIGID SAFETY STANDARDS ARE FULLY MET.

THIS YEAR THE "DAWN PATROL" WAS DOUBLED. TWO MEN ARE OUT AT DAWN TO TRACK DOWN ANY EARLY VIOLATIONS. SOME PLANTS ARE APT TO SMOKE AT EARLY HOURS AS A RESULT OF FORCING THE BOILERS. THE INSPECTORS QUICKLY VISIT THE PLANTS AND CORRECT SMOKING CONDITIONS. IT IS BELIEVED THAT THIS PHASE OF THE DEPARTMENT'S WORK IS UNIQUE SINCE SEVERAL WRITERS HAVE COMMENTED ON IT.

BASED ON THE SCOPE OF WORK COVERED WITH SUCH A SMALL FORCE IT IS THE OPINION OF THIS DEPARTMENT THAT THE WORK-LOAD HANDLED BY EACH INSPECTOR IS THE HEAVIEST OF ANY AIR POLLUTION CONTROL DEPARTMENT IN THE COUNTRY.

ONCE AGAIN THE ACCOMPLISHMENTS OF THE AIR POLLUTION SECTION WON NATIONAL RECOGNITION. IN FACT ACHIEVEMENTS IN CLEANING UP THE AIR IN PROVIDENCE WERE NOTED IN BRITISH PUBLICATIONS.

ON OCTOBER 19, THE AIR POLLUTION ENGINEER RECEIVED A PLAQUE FOR "OUTSTANDING ACHIEVEMENT IN BEHALF OF THE HEALTH AND WELFARE OF THE NATION - BY ALERTING HIS COMMUNITY TO THE HAZARDS OF AIR POLLUTION AND BY SHOWING HOW THIS SERIOUS PUBLIC HEALTH PROBLEM CAN BE SOLVED BY COOPERATIVE ACTION WITHIN THE COMMUNITY."

THE AIR POLLUTION SECTION WON PRAISE IN AN ARTICLE "ARE YOU BREATHING DANGER?" IN THE OCTOBER "WOMAN'S HOME COMPANION". IN THIS ARTICLE THE PROVIDENCE AIR CLEANING PROGRAM, IS PLACED RIGHT AT THE TOP AS USUAL AMONG AMERICAN CITIES AFTER A NATION-WIDE SURVEY. IN THE ADVERTISING MATTER FOR THE ARTICLE SENT OUT BY THE MAGAZINE, PROVIDENCE WAS THE ONLY CITY SINGLED OUT AS AN EXAMPLE OF HOW THE AIR POLLUTION MENACE CAN BE OVERCOME.

THE AUTHOR OF THE ARTICLE WAS SO IMPRESSED BY THE ACCOMPLISHMENTS IN THIS CITY THAT SHE HAS SINCE MADE TWO FIELD TRIPS, EACH OF ONE WEEK'S DURATION, TO STUDY THE METHODS USED HERE. SHE WAS SENT HERE BY A WELL KNOWN NATIONAL MAGAZINE TO GATHER MATERIAL FOR AN EXCLUSIVE STORY ON PROVIDENCE'S CLEAN AIR.

BEGINNING ON NOVEMBER 20, A SEVERE "INVERSION" OCCURRED FOR FIVE DAYS OVER THE ENTIRE NORTH ATLANTIC SEABOARD. A MASS OF WARM AIR CONDENSED TO FORM HAZE AND FOG FROM MAINE TO NORTH CAROLINA. THE COASTAL CITIES, PROVIDENCE EXCEPTED, FOUND THAT THEIR ATMOSPHERES WERE FILLED WITH IMPURITIES AND FOG AND HAZE BECAME "SMOG" AND "SMAZE". DURING THIS PERIOD THE EASTERN CITIES FOUND THEIR CITIZENS LOUD IN THEIR COMPLAINTS OF IMPURE AIR.

THROUGHOUT THE ENTIRE FIVE DAYS NOT ONE SOLITARY COMPLAINT WAS REGISTERED AT THE PROVIDENCE HEALTH DEPARTMENT OR ^{IN THE} LOCAL PRESS. NOTHING COULD BE DONE ABOUT THE ATMOSPHERIC CONDITIONS WHICH WERE AS BAD AS ANY ON THE COAST. BUT THE AIR POLLUTION HAD BEEN ABATED LONG BEFORE IT COULD MENACE THE CITIZENRY THROUGH AN INVERSION.

THE INVERSION WAS THE STIFFEST TEST THAT AN AIR POLLUTION CONTROL PROGRAM CAN BE SUBJECTED TO AND PROVIDENCE PASSED WITH FLYING COLORS.

DURING THE PAST FEW MONTHS AMERICAN PHYSICIANS HAVE BECOME ALARMED AT THE HIGH INCIDENCE OF LUNG CANCER AMONG CITY DWELLERS IN THIS COUNTRY AND MANY ATTRIBUTE IT TO POLLUTED AIR. IN THIS RESPECT THE CITIZENS OF PROVIDENCE ARE MOST FORTUNATE. THE PROVIDENCE MEDICAL SOCIETY THROUGH THE YEARS HAS CONSTANTLY PRAISED THE DILIGENCE AND ACHIEVEMENTS OF THE PROVIDENCE AIR POLLUTION CONTROL DEPARTMENT.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	22,551.55
ITEM 1 SERVICES OTHER THAN PERSONAL	1,892.41
ITEM 2 MATERIALS AND SUPPLIES	135.04
ITEM 5 CAPITAL OUTLAY	166.10
TOTAL	24,745.10

REVENUE

HEATING EQUIPMENT	493.50
OIL BURNERS	3,056.00
GAS BURNERS	212.00
OIL STORAGE TANKS	38.00
TOTAL	3,799.50

NUMBER OF PERMITS ISSUED

HEATING EQUIPMENT	91
OIL BURNERS AND TANKS	1,396
GAS BURNERS	212
TOTAL	1,699

ANNUAL INSPECTIONS	2855
INSPECTION OF NEW HEATING EQUIPMENT	97
RETURN CALLS AFTER CORRECTIONS	303
VIOLATIONS NOTED AND INVESTIGATED	1395
COMPLAINTS RECEIVED	198
COMPLAINT INVESTIGATIONS	497
OIL BURNER INSPECTIONS	1358
GAS BURNER INSPECTIONS	212
TANK INSPECTIONS	1396

SPECIAL INVESTIGATIONS
INVESTIGATIONS AFTER FIRES
REINSPECTIONS OF CORRECTIONS

42
46
156
8555

TOTAL

DURING THE 1952-53 FISCAL YEAR THERE WAS AN INCREASE OF ANNUAL INSPECTIONS BY 5%. THE INSPECTION OF NEW EQUIPMENT INCREASED BY 11%. THE INVESTIGATION OF COMPLAINTS INCREASED BY 53%.

THE NUMBER OF OIL BURNER PERMITS ISSUED DURING THE 1952-53 FISCAL YEAR SHOWS AN INCREASE OF 28% OVER THE PREVIOUS YEAR. THIS COUPLED WITH A PREVIOUS YEAR INCREASE OF 40% TOTALS AN OVERALL INCREASE OF 68% FOR THE TWO YEARS OVER THE 1950-51 FISCAL YEAR.

THE CASH TAKEN IN ON OIL BURNERS SHOWS AN INCREASE OF 55% OVER THE PREVIOUS FISCAL YEAR, AND AN OVERALL GAIN OF 100% OVER THE PAST TWO YEARS.

THE NUMBER OF INSPECTIONS AND INVESTIGATIONS OF OIL BURNERS LIKEWISE SHOWED AN INCREASE OF 28% OVER PREVIOUS FISCAL YEAR AND AN OVERALL GAIN OF 68% OVER THE PAST TWO YEARS.

MUNICIPAL DOCK SECTION

THE FISCAL YEAR 1952-53 HAS AGAIN SHOWN INCREASE IN TONNAGE AND REVENUE OVER THE PRECEDING YEAR.

THE NEW TRANSIT SHED WAS OFFICIALLY OPENED IN OCTOBER 1952. WHEREAS, WE DID NOT ENJOY THE TONNAGE WE HAD HOPED TO DEVELOP WITH THE OPENING OF OUR TRANSIT SHED, WE DID FIND THAT IT WAS LOOKED ON WITH GOOD FAVOR BY ALL THE POTENTIAL USERS THAT INSPECTED THE SHED.

THE FACT THAT THE SHED WAS AVAILABLE GAVE US THE OPPORTUNITY TO HANDLE AN IMPORT CARGO OF OVER 3,000 TONS, AN EXPORT OF OVER 1,500 TONS, WHICH WE WOULD NOT HAVE BEEN ABLE TO HANDLE IF THE SHED WAS NOT AVAILABLE. WE FEEL CONFIDENT THAT THE SHED WILL BE USED TO ITS FULL CAPACITY WHEN THE WORLD TRADE AGAIN BECOMES NORMAL.

DURING THE YEAR WE STARTED THE RENEWAL OF ALL RAILROAD TIES AND ROADBED OF OUR MAIN RAILROAD LINE THAT SERVED THE MUNICIPAL WHARF AND THE ADJACENT FORMER SHIPYARD PROPERTY. THIS EXPENDITURE WILL PUT OUR RAILROAD SYSTEM IN A FIRST CLASS CONDITION AND SHOULD MINIMIZE MAINTENANCE COST FOR SEVERAL YEARS.

WE STILL HAVE A PORTION OF THE SYSTEM LOCATED ON TERMINAL ROAD AND THE APRON OF THE WHARF NORTH OF THE NEW PAVED AREA THAT SHOULD BE REBUILT SOON TO PREVENT AN EMBARRASSING SITUATION WHICH WILL BE CAUSED BY A BREAK DOWN OF OUR SHIP TO RAIL SERVICE.

IT WILL BE NOTED THAT OUR REVENUE INCREASED THIS YEAR APPROXIMATELY \$18,000, WHEREAS THE NORMAL EXPENDITURE INCREASED ONLY APPROXIMATELY \$2,400.00

THE FOLLOWING IS A RECAP OF OUR TONNAGE HANDLED, ALSO THE REVENUE AND EXPENDITURES:

<u>SHIPPED</u>		<u>CARGO</u>	<u>RECEIVED</u>	
GENERAL CARGO	4133.3 TONS		GENERAL CARGO	3098.7 TONS
GASOLINE	7454.3 "		GASOLINE	173428.1 "
FUEL OIL	35274. "		FUEL OIL	148511.9 "
KEROSENE	15982.5 "		KEROSENE	49249.6 "
			PIG IRON	17092.2 "
			FROZEN FISH	6976.6 "
			FISH MEAL	2533.2 "
			FISH OIL	161.5 "
			FISH SKINS	160.9 "

BLUEBERRIES

2.4 TONS

WOOL

100.5 "

LUMBER

61,258,694 BMF.

REVENUE - \$213,932.43

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$31,001.55
ITEM 1	SERVICES OTHER THAN PERSONAL	5,874.52
ITEM 2	MATERIALS AND SUPPLIES	1,027.73
ITEM 5	CAPITAL OUTLAY	746.55
	OTHER STRUCTURES AND	
	IMPROVEMENTS	45,324.00
	TOTAL	\$83,974.35

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, 1953:

	STEAMERS	TUGS	SAILING VESSELS	BARGES	MISCELLANEOUS	TOTALS FOR THE YEARS 1951-52	TOTALS FOR THE YEARS 1952-53	TIMES DRAW WAS OPENED	AVERAGE TIME FROM CLOSING TO OPEN- ING GATES (MIN)
<u>POINT STREET BRIDGE</u>									
OCTOBER	1	12	1	3	2	32	19	15	2.9
NOVEMBER		4			7	13	11	9	2.9
DECEMBER		5		1	1	12	7	5	3.0
JANUARY		43		17	2	3	62	45	2.8
FEBRUARY		10		1	2	4	43	10	3.4
MARCH		18			12	8	30	21	3.2
APRIL		5			2		7	5	3.1
MAY	5	2		1		4	8	7	3.4
JUNE		2	2		5	1	9	8	3.5
JULY	2	2			8		12	10	3.1
AUGUST	7	5				30	12	17	3.8
SEPTEMBER	5					18	5	5	3.4
	20	108	3	23	41	125	195	157	2.79
<u>RED BRIDGE</u>									
OCTOBER	67	43		10		118	120	98	3.9
NOVEMBER	59	76		30		155	165	119	4.0
DECEMBER	77	82		21		169	180	135	4.2
JANUARY	45	126		64	8	164	243	145	4.5
FEBRUARY	37	93		46		161	176	116	5.0
MARCH	42	72		41	3	154	158	101	4.6
APRIL	44	66		28	3	132	141	99	4.5
MAY	64	58		18		107	140	104	4.0
JUNE	55	40		10	2	117	107	82	3.4
JULY	44	48		11		114	103	78	4.0
AUGUST	52	30		10		121	92	76	3.5
SEPTEMBER	50	56		20	1	116	127	95	3.8
	636	790		309	17	1628	1752	1248	3.79

EXPENDITURES

ITEM 0	PERSONAL SERVICES	349,179.16
ITEM 1	SERVICES OTHER THAN PERSONAL	1,051.66
ITEM 2	MATERIALS AND SUPPLIES	668.60
		<u>350,899.42</u>

THE FOLLOWING TABLE SHOWS THE TOTAL NUMBER OF CRAFT PASSING THROUGH THE DRAWBRIDGES BEGINNING THE YEAR 1878. FROM 1878 TO 1928 INCLUSIVE, YEARS ENDING DECEMBER 31. YEAR 1929 INCLUDES 9 MONTHS ONLY, AND ENDS SEPTEMBER 30. 1930 TO DATE, YEARS END SEPTEMBER 30.

YEAR	POINT STREET BRIDGE	RED BRIDGE	YEAR	POINT STREET BRIDGE	RED BRIDGE	YEAR	POINT STREET BRIDGE	RED BRIDGE
1878	30,640	1,743	1903	24,687	4,166	1928	4,679	3,912
1879	35,369	2,227	1904	19,003	2,411	1929	4,068	3,632
1880	33,984	2,283	1905	22,706	2,671	29-1930	3,210	2,738
1881	31,323	2,283	1906	23,092	2,553	1930-31	3,243	2,742
1882	33,878	2,281	1907	25,949	2,632	1931-32	1,197	1,900
1883	29,645	2,848	1908	21,767	4,852	1932-33	1,327	2,787
1884	22,050	2,461	1909	17,128	6,914	1933-34	1,990	3,758
1885	22,525	5,914	1910	17,125	2,927	1934-35	1,387	2,454
1886	23,506	3,736	1911	20,078	3,293	1935-36	1,468	2,150
1887	24,301	5,521	1912	21,519	3,021	1936-37	1,368	2,138
1888	27,789	3,119	1913	15,113	2,734	1937-38	1,136	1,913
1889	26,090	3,600	1914	13,364	2,491	1938-39	1,676	2,187
1890	30,255	3,070	1915	14,409	2,755	1939-40	1,299	3,431
1891	26,387	3,857	1916	11,638	3,368	1940-41	1,066	2,420
1892	25,530	3,061	1917	9,704	3,273	1941-42	1,205	1,722
1893	23,528	3,446	1918	6,894	2,680	1942-43	1,263	1,087
1894	20,801	2,445	1919	7,123	3,476	1943-44	1,487	2,262
1895	21,884	2,553	1920	6,950	4,451	1944-45	1,233	1,319
1896	22,307	2,283	1921	6,067	2,001	1945-46	1,078	1,828
1897	20,790	2,204	1922	5,307	2,958	1946-47	936	1,640
1898	22,004	2,159	1923	5,476	5,134	1947-48	1,010	1,541
1899	22,820	3,250	1924	4,858	2,035	1948-49	666	2,130
1900	23,248	4,392	1925	4,939	1,942	1949-50	638	1,609
1901	22,713	2,525	1926	5,198	2,415	1950-51	371	1,973
1902	22,701	2,040	1927	4,700	2,934	1951-52	125	1,628
						1952-53	202	1,752

NAME OF BRIDGE	GREATEST NUMBER OF OPENINGS IN ANY ONE DAY		DAILY AVERAGE NUMBER OF OPENINGS FOR THE YEARS	
	1951-52	1952-53	1951-52	1952-53
POINT STREET BRIDGE	4	6	2.85	3.2
RED BRIDGE	10	13	4.08	4.1

HARBOR MASTER SECTION

VESSELS

	QUARTER ENDING DEC. 31, '52	QUARTER ENDING MAR. 31, '53	QUARTER ENDING JUNE 30, '53	QUARTER ENDING SEPT. 30, '53	TOTAL FOR YEAR
STEAMERS	145	158	144	189	636
MOTOR VESSELS	96	122	89	68	375
TUG BOATS	106	134	140	129	509
BARGES	44	95	65	48	252
MUD DIGGER	1				1
SCOWS	4				4
YACHT			1		1
BARKENTINE				1	1
SUBMARINE	1			1	2
CRUISERS		3			3
DESTROYERS			5		5
SCHOONER				1	1
TOTALS	<u>397</u>	<u>512</u>	<u>444</u>	<u>437</u>	<u>1790</u>

TONNAGE

BITUMINOUS	254,429	206,053	188,760	141,504	790,746
GASOLINE	452,987	419,525	434,161	1,983,937	3,290,610
CHEMICALS	6,200	6,200	7,750	6,200	26,350
OIL	906,802	1,218,041	1,042,456	669,730	3,837,029
LUMBER	30,828	17,421	29,275	10,656	88,180
ASPHALT	4,241	60,649	17,502	26,006	128,398
FROZEN FISH	1,181	1,133	2,242	2,749½	7,305½
FISH MEAL	687	1,709	487	730½	3,613½
PIG IRON	4,926		10,257	9,035	24,218
GRANITE			1,050	1,100	2,150
TAR		8,334		7,625	15,959
WOOL			100½		100½
COKE	5,340				5,340
BLUEBERRIES				54	54
FISH OIL	44	50			94
STEEL				962	962
MACKERAL				23	23
CANNED CORNED-BEEF			10¼		10¼
GENERAL FREIGHT			1½		1½
FISH SKINS		75	85	42	202
LOBSTER				13½	13½
OXIDE	1,750		1,800		3,550
POTASH	1,265			772	2,057
SOLULIUS	834				834
FISH LIVERS		7			7
BALES OF THREAD			211		211
QUEHRACHO (EXTRACT)			2,362		2,362
SOLUBLES			34		34
CRUSHED STONE			727		727
MERCHANDISE				43	43
AMMONIA SUBSTITUTE				1,054	1,054
TOTALS	<u>1,681,534</u>	<u>1,939,197</u>	<u>1,739,271½</u>	<u>2,862,236½</u>	<u>8,222,269</u>

EXPENDITURES

ITEM 0	PERSONAL SERVICES	3,427.21
ITEM 1	SERVICES OTHER THAN PERSONAL	2,691.86
ITEM 2	MATERIALS AND SUPPLIES	162.70
		<u>6,281.77</u>

RESPECTFULLY SUBMITTED

PETER J. HICKS, JR.
PUBLIC SERVICE ENGINEER.