

**ANNUAL REPORT
OF THE
DEPARTMENT OF
PUBLIC WORKS**

**FOR THE FISCAL YEAR
1961 - 1962**

**CITY OF
PROVIDENCE, RHODE ISLAND**

DECEMBER 31, 1962

DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE DIRECTOR

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

DEAR SIR:

THE FOLLOWING ANNUAL REPORT, MADE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 46 OF CHAPTER 832 OF THE PUBLIC LAWS OF THE STATE OF RHODE ISLAND, JANUARY SESSION, 1940, COVERS THE WORK PERFORMED DURING THE YEAR ENDING SEPTEMBER 30, 1961 BY THE VARIOUS DIVISIONS OF THE DEPARTMENT OF PUBLIC WORKS. APPENDED TO THIS REPORT AND TO BE CONSIDERED AS A PART THEREOF, ARE THE REPORTS OF THE FOLLOWING DIVISIONS OF THIS DEPARTMENT:

BUSINESS MANAGEMENT	ENGINEERING OFFICE
CONSTRUCTION AND MAINTENANCE	SANITATION
PUBLIC SERVICE ENGINEER	HARBOR

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

"IMPROVEMENTS AT SEWAGE TREATMENT PLANT" BY THE ARDSLEY CONSTRUCTION COMPANY, INC. AND A.C. KAESTNER, INC.

"CONSTRUCTION OF HIGHWAYS IN SUNDRY STREETS" BY THE M. A. GAMMINO CONST. CO.

"SURFACING OR RECONSTRUCTION OF HIGHWAY" BY THE M. A. GAMMINO CONST. CO.

"THE REMOVAL OF TWO-HUNDRED AND TWENTY-FIVE ELM TREES AFFECTED BY DUTCH ELM DISEASE" BY SAMUEL KINDER AND BROTHER.

"THE REMOVAL OF ONE HUNDRED AND FORTY-SEVEN ELM TREES AFFECTED BY DUTCH ELM DISEASE" BY SAMUEL KINDER AND BROTHER.

CONTRACT WORK ON THE FOLLOWING NAMED PROJECTS WAS IN PROGRESS:

"BUILDING OF SEWERS IN SUNDRY STREETS" BY THE V. F. CAPALDI CONST. CORP.

"BUILDING OF SEWERS IN SUNDRY STREETS" BY THE FANNING & DOORLEY CONST. CO. INC.

"FURNISHING AND INSTALLING 2300 VOLT SWITCHBOARD AT THE SEWAGE PUMPING STATION" BY THE COKEN COMPANY.

"BULKHEAD EXTENSION AT THE MUNICIPAL DOCK" BY THE M. A. GAMMINO CONST. CO.

"FURNISHING AND INSTALLING A SYSTEM OF OVERFIRE AIR JETS IN GARBAGE INCINERATOR UNIT NO. 2" BY THE JOHNSON AND MAYLOR COMPANY, INC.

"CONSTRUCTION OF HIGHWAYS IN SUNDRY STREETS" BY THE NARRAGANSETT IMPROVEMENT CO.

"RESURFACING OF HIGHWAYS IN SUNDRY STREETS" BY THE NARRAGANSETT IMPROVEMENT CO.

"PUBLIC WORKS HIGHWAY STORAGE BINS AND CONVEYING EQUIPMENT" BY CONVEYORS, INC.

"CONSTRUCTION OF PUBLIC WORKS OFFICE BUILDING AND GARAGE" BY JOSEPH P. FLYNN.

HIGHWAY CONSTRUCTION AND RECONSTRUCTION CONSISTED OF THE CONSTRUCTION WITH ASPHALTIC CONCRETE ON A PENETRATED STONE BASE OF 15,226 SQUARE YARDS OF PAVEMENT BY CONTRACT, THE RESURFACING WITH SHEET ASPHALT AND ASPHALTIC CONCRETE OF 30,008 SQUARE YARDS OF PAVEMENT BY CONTRACT; AND REPAIRS TO AND SURFACING WITH ASPHALTIC CONCRETE OF 132,248 SQUARE YARDS OF PAVEMENT BY THE PUBLIC WORKS HIGHWAY FORCES.

NEW SEWER CONSTRUCTION, BY CONTRACT, CONSISTED OF THE BUILDING OF 0.6215 MILES OF SANITARY SEWERS AND 0.3104 MILES OF STORM SEWERS, TOGETHER WITH DRAINS TO CURB AND DRAINAGE STRUCTURES.

THE WORK ON THE BULKHEAD EXTENSION AT THE MUNICIPAL DOCK SHOULD BE COMPLETED BEFORE THE END OF 1962, AT WHICH TIME SEVERAL ACRES OF LAND WILL BE AVAILABLE FOR LEASE.

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

OUR RELATIONS HAVE BEEN VERY CORDIAL WITH THE LOCAL OFFICE OF THE FEDERAL BUREAU PUBLIC ROADS, HEADED BY MR. JOSEPH WESTELL, THE STATE DEPARTMENT OF PUBLIC WORKS, HEADED BY MR. JOHN F. CAPALDI; THE U.S. ARMY CORPS OF ENGINEERS; THE PROVIDENCE REDEVELOPMENT AGENCY; AND THE CONSULTING ENGINEERS ON THE NORTH-SOUTH FREEWAY, LOUISQUISSET PIKE, RED BRIDGE, HARTFORD AVENUE REDEVELOPMENT, AND FOX POINT HURRICANE BARRIER PROJECTS AND WE APPRECIATE THE MANY COURTESIES AND COOPERATION EXTENDED US.

I AM VERY GRATEFUL FOR AND APPRECIATIVE OF THE SPLENDID COOPERATION EXTENDED ME BY THE CITY COUNCIL COMMITTEE ON PUBLIC WORKS, COMPRISED OF CHAIRMAN RALPH MATERA, ANDREW F. EGAN, THOMAS L. PAYNE, PETER K. ROSEDALE AND ROBERT H. I. GODDARD, JR.

I ALSO WISH TO EXPRESS MY THANKS AND APPRECIATION TO OTHER CITY DEPARTMENTS FOR THE COOPERATION EXTENDED TO THIS DEPARTMENT.

THE SUCCESSFUL OPERATION OF THE DEPARTMENT IS DUE TO THE UNTIRING EFFORTS OF THE DEPUTY DIRECTOR, DIVISION AND SECTION HEADS AND THEIR RESPECTIVE STAFFS, AND MY SINCERE THANKS GO TO THEM FOR JOBS WELL DONE.

RECOMMENDATIONS.

THE UNDERSIDE OF THE BRIDGE IN THE MEMORIAL, MARKET AND CRAWFORD SQUARE AREAS SHOULD BE PAINTED.

THE IRON FENCE ON THE BRIDGE AT MARKET SQUARE, BETWEEN WESTMINSTER STREET AND EXCHANGE PLACE, SHOULD BE REPLACED.

THE FURNACE AND COMBUSTION CHAMBER OF GARBAGE INCINERATOR UNIT No. 2 SHOULD BE RELINED.

THE EIGHT (8) TOP SECTIONS OF THE SLUDGE INCINERATOR SMOKE STACK SHOULD BE REPLACED WITH A WROUGHT IRON STACK.

THE ELECTRIC CRANE IN UNIT NO. 1, WHICH HAS BEEN IN SERVICE TWENTY-FIVE YEARS, SHOULD BE OVERHAULED. THIS WORK SHOULD BE DONE UNDER THE SUPERVISION OF AN ENGINEER FROM THE HARNISCHFEGER CORPORATION.

THE FLASHING AROUND THE BRICK SMOKE STACK IN UNIT NO.2 SHOULD BE REPLACED.

THE DEFECTIVE PRE-HEATER TUBES IN GARBAGE INCINERATOR BOILERS NO. 1,2,3 AND 4 SHOULD BE REPLACED. ALSO, A NUMBER OF TUBES IN BOTH CONDENSERS SHOULD BE REPLACED.

THE PASSAGE OF AN ORDINANCE PROVIDING FOR THE LICENSING OF PRIVATE OPERATORS . ENGAGED IN THE COLLECTION, CONVEYANCE AND DISPOSAL OF WASTE MATERIALS IN THE CITY OF PROVIDENCE. THIS WOULD PROVIDE A MEANS OF CONTROL OVER CARRIERS WHO ARE OFTEN GUILTY OF LITTERING STREETS AND DUMPING WASTE MATERIALS AT UNAUTHORIZED LOCATIONS, AND ALSO PROVIDE REVENUE FOR THE USE OF THE CITY INCINERATOR AND REFUSE DUMP.

CONSIDERATION SHOULD BE GIVEN TO THE INSTALLATION OF A WARNING SYSTEM FOR THE DETECTION OF RADIO ACTIVE ISOTOPES AT A LOCATION IN THE SEWER SYSTEM WHICH WOULD ALLOW AMPLE TIME TO PROTECT PERSONNEL AT THE SEWAGE DISPOSAL PLANT FROM RADIO ACTIVITY.

RESPECTFULLY SUBMITTED,

Charles F. McElroy

CHARLES F. MCELROY
DIRECTOR OF PUBLIC WORKS.

IN CITY COUNCIL

FEB 21 1963

READ:

WHEREUPON IT IS ORDERED THAT
THE SAME BE RECEIVED.

D. Everett Whelan
CLERK

BUSINESS MANAGEMENT OFFICE

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

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, 1962.

STATEMENT OF REVENUE—ESTIMATED AND ACTUAL

	<u>BUDGET</u>	<u>NET ACTUAL</u>	<u>BUDGET</u>	<u>COMPARISON</u>
	<u>ESTIMATE</u>	<u>REVENUE</u>	<u>EXCESS</u>	<u>DEFICIENCY</u>
BUSINESS AND NON-BUSINESS:				
LICENSES:				
SIDEWALK CONTRACTORS	600.00	540.00		60.00
HIGHWAY PRIVILEGES	1,000.00	1,065.00	65.00	
TOTAL BUSINESS AND NON-BUSINESS LICENSES	\$1,600.00	\$1,605.00	\$65.00	\$60.00
SPECIAL ASSESSMENTS:				
SEWERS	35,000.00	14,097.14		20,902.86
TOTAL SPECIAL ASSESSMENTS	\$35,000.00	\$14,097.14		\$20,902.86
DEPARTMENTAL REVENUE:				
SEWAGE PUMPING STATION		36.67	36.67	
SEWAGE DISPOSAL	83,000.00	149,578.49	66,578.49	
GARBAGE COLLECTION AND DISPOSAL	24,000.00	2,733.45		21,266.55
REFUSE COLLECTION AND DISPOSAL		815.00	815.00	
HIGHWAYS	23,000.00	34,242.30	11,242.30	
BRIDGE MAINTENANCE		85.00	85.00	
FORESTRY		452.88	452.88	
SEWER CONSTRUCTION AND MAINTENANCE	1,500.00	2,236.18	736.18	
STREET LIGHTING		101.54	101.54	
MUNICIPAL DOCKS	237,000.00	277,763.59	40,763.59	
DRAW BRIDGES		27.93	27.93	
HARBOR MASTER		8.44	8.44	
TOTAL DEPARTMENTAL REVENUE	\$368,500.00	\$468,081.47	\$20,848.02	21,266.55
TOTAL STATEMENT	\$405,100.00	\$483,783.61	\$120,913.02	\$42,229.41

STATEMENT OF EXPENDITURES

FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1962

	PERSONAL SERVICES	SERVICES OTHER THAN PERSONAL	MATERIALS AND SUPPLIES	SPECIAL ITEMS	EQUIPMENT OUTLAY	OTHER STRUCTURES AND IMPROVEMENTS	TOTAL
GENERAL ADMINISTRATION	28,439.32	1,549.51	47.49		66.20		30,102.52
BUSINESS MANAGEMENT	31,178.94	522.72	196.79		572.90		32,471.35
ENGINEERING OFFICE	158,589.63	5,364.26	233.46				164,187.35
SANITATION DIVISION							
SANITATION ADMINISTRATION	13,322.92	1,033.81	17.11				14,373.84
STREET CLEANING	370,914.36	78,132/50	3,310.93				452,357.79
SEWAGE PUMPING STATION	73,616.61	1,134.01	3,666.39				78,417.01
SEWAGE DISPOSAL	287,264.86	177,190.01	169,293.90		71.89	150,000.00	783,820.66
GARBAGE COLLECTION AND DISPOSAL	631,554.01	182,568.13	20,943.46		247.40		835,313.00
REFUSE COLLECTION AND DISPOSAL	98,893.09	31,118.50	240.88				130,252.47
CONSTRUCTION AND MAINTENANCE DIVISION							
CONSTRUCTION AND MAINTENANCE ADMINISTRATION	9,490.00	840.00					10,330.00
HIGHWAYS	767,489.19	159,304.76	110,823.00				1,037,616.95
BRIDGE MAINTENANCE	44,672.84	6,012.57	8,032.14				58,717.55
SIDEWALKS AND CURBING	19,477.58	3,522.07	1,012.81				24,012.46
FORESTRY	76,860.19	18,265.70	4,187.19		554.48		99,867.56
SNOW REMOVAL	146,905.79	64,131.13	61,227.49				272,264.41
SEWER CONSTRUCTION AND MAINTENANCE	320,364.93	62,295.67	20,526.74		222.48		403,409.82
PUBLIC BUILDINGS	89,907.64	4,399.92	665.23		952.26		95,925.05
DRAW BRIDGE OPERATION	49,677.74	813.14	375.50				50,866.38
MUNICIPAL DOCK	33,935.20	10,540.34	2,190.96				46,666.50
HARBOR MASTER	3,741.92	115.44	10.39				3,867.75
STREET LIGHTING	5,408.00	483,237.43	25.00				488,670.43
DIVISION OF RELOCATION	37,359.79	6,026.51	705.86	4,000.00	1,377.48		49,469.64
TOTAL - PUBLIC WORKS ACTIVITIES	\$3,299,064.55	\$1,298,118.13	\$407,732.72	\$4,000.00	\$4,065.09	\$150,000.00	\$5,162,980.49

THE FOLLOWING SERVICES WERE ALSO RENDERED BY THIS DEPARTMENT

APPLICATIONS RECEIVED

FOR ALTERING DRIVEWAYS	103
CONSTRUCTION OF DRIVEWAYS	158
CURBING RESETS	<u>52</u>
TOTAL APPLICATIONS	313

LICENSES ISSUED

NEWSPAPER STANDS	9
PUSH CARTS	13
SIDEWALK STANDS	33
DRAIN LAYERS LICENSES	6
DRAIN LAYERS LICENSES (LIMITED TO SPRINKLER SYSTEMS)	<u>2</u>
TOTAL LICENSES	63

PERMITS ISSUED

PUBLIC UTILITIES	283
BLASTING	3
FOR MOVING CUMBERSOME EQUIPMENT, ETC.	2
STREET OPENINGS (WATER SUPPLY BOARD)	232
ORIGINAL PERMITS FOR SEWER CONNECTIONS	227
EXTENSION OF HOUSE DRAINS	338
SIDEWALK OPENINGS FOR WATER SERVICE	57
STREET OPENINGS (OTHER)	<u>263</u>
TOTAL PERMITS	1405

RESPECTFULLY SUBMITTED,

JOHN V. DAVIDSON
BUSINESS MANAGER.

ENGINEERING OFFICE

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

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING THE VARIOUS ACTIVITIES OF THE ENGINEERING OFFICE FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1962.

EXPENDITURES.

ITEM 0 PERSONAL SERVICES	\$158,589.63
ITEM 1 SERVICES OTHER THAN PERSONAL	5,364.26
ITEM 2 MATERIALS AND SUPPLIES	<u>233.46</u>
TOTAL	\$164,187.35

STREET LINE AND CITY PROPERTY SECTION

NOTICES OF INTENTION TO BUILD

THERE WERE 204 NOTICES OF INTENTION TO BUILD FILED IN THIS OFFICE DURING THE FISCAL YEAR. FORTY OF THESE WERE NOT REQUIRED FOR VARIOUS REASONS. IN RESPONSE TO THE REMAINING 164 NOTICES, THE STREET LINES WERE MARKED ON THE GROUND AS REQUESTED FOR SPECIFIED LOCATIONS.

FIELD SURVEYS ON THE 16 STREETS ACCEPTED AS PUBLIC HIGHWAYS BY THE CITY COUNCIL WERE MADE AND THE LAY-OUT MAPS WERE DRAWN FOR OFFICE USE AND FOR THE OFFICIAL RECORDS OF THE CITY CLERK.

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

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

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

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

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
ADA AVENUE	BRUSH HILL ROAD TO HILL CREST AVENUE	160.00
BARBOUR DRIVE	WRISTON DRIVE TO FAUNCE DRIVE	530.84
COMPTON STREET	MOUNT PLEASANT AVENUE TO SMITH STREET	774.39
FAUNCE DRIVE	COLE AVENUE WESTERLY TO SOUTHERLY TO SOUTHERLY TERMINATION	880.75
GILBERT STREET	HAMMOND STREET TO BRIDGHAM STREET	186.11
GREELEY STREET	HAGAN STREET TO AVENTINE AVENUE	1515.86
GRIDLEY STREET	LEDGE STREET TO BISMARK STREET	458.48
HILARY DRIVE	SMITH STREET SOUTHWESTERLY AND SOUTHEASTERLY TO PLAT DIVISION LINE OF "JOHN RAO, JR. PLAT" AND "ACADEMY PARK" AND THE SOUTHWESTERLY 32 FEET OF HILARY DRIVE FROM PLAT LINE TO CATHEDRAL AVENUE	1170.03

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
HILL CREST AVENUE	FREEDOM ROAD TO ADA AVENUE	920.00
LESLIE DRIVE	MOUNT PLEASANT AVENUE, SOUTHEASTERLY, SOUTHERLY AND WESTERLY TO MOUNT PLEASANT AVENUE	698.05
LESTER STREET	DEXTER STREET TO HARRISON STREET	254.05
MAXCY DRIVE	BARBOUR DRIVE TO FAUNCE DRIVE	310.16
NIAGARA STREET	AT SOUTHEASTERLY CORNER OF RODMAN STREET	
SALVAN STREET	FRUIT HILL AVENUE TO CITY LINE	74.95
SAVINGS STREET	SASSAFRAS STREET TO DETROIT AVENUE	337.37
WRISTON DRIVE	COLE AVENUE TO WESTERLY TERMINATION	465.31
TOTAL FEET (OR 1.6546 MILES)		8,736.35

THE FOLLOWING STREETS WERE ABANDONED DURING THE YEAR:

<u>RECEIVED STREETS ABANDONED</u>		
<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
BALCH STREET	(PORTION) CALHOUN AVENUE TO PACIFIC AVENUE	304.19
BATES STREET	LIPPITT STREET TO MALLET STREET	1,152.13
BEACH STREET	HOLDEN STREET TO ITS EASTERLY TERMINATION	313.07
BURRINGTON STREET	(PORTION) PACIFIC AVENUE TO DEXTER STREET AND NIANTIC AVENUE TO CALHOUN AVENUE	1,613.96
CALAIS STREET	(PORTION) WEST PARK STREET SOUTHERLY TO THE SOUTHERLY LINE OF EDITH STREET	420.00
CALHOUN AVENUE	HUNTINGTON AVENUE TO BECKWITH STREET	1,863.13
CAMP STREET	(PORTION) OLNEY STREET NORTHERLY TO THE RANGE OF THE SOUTHERLY LINE OF CARRINGTON AVENUE	261.02
CHAMBERS STREET	HUNTINGTON AVENUE SOUTHERLY TO NEW HAVEN RAILROAD COMPANY LAND	93.53
CLORANE STREET	OLNEY STREET TO ITS NORTHERLY TERMINATION	244.43
DEXTER STREET	(PORTION) HUNTINGTON AVENUE SOUTHERLY TO NEW HAVEN RAILROAD CO. LAND, AND FROM BURRINGTON STREET NORTHERLY TO NEW HAVEN RAILROAD CO. LAND.	149.50
DYER STREET	(PORTION) SQUARE OPPOSITE SOUTHEASTERLY CORNER OF DYER AND DORRANCE STREETS NORTHERLY	186.85
EDITH STREET	HOLDEN STREET WESTERLY TO THE EASTERLY LINE OF CALAIS STREET	670.64
FAITH STREET	TYLER STREET TO BURRINGTON STREET	366.54
FLINT STREET	CAPTAIN J. CARLETON DAVIS MEMORIAL BOULEVARD TO SCOTT STREET	110.91
HAMBURG AVENUE	PACIFIC AVENUE TO BURRINGTON STREET	759.40
HOWELL STREET	(PORTION) CAPTAIN J. CARLETON DAVIS MEMORIAL BOULEVARD TO CAMP STREET	1,331.31
LELAND STREET	PROMENADE STREET TO EDITH STREET	455.02
LIPPITT STREET	CAPTAIN J. CARLETON DAVIS MEMORIAL BOULEVARD TO CAMP STREET	1,369.25
LIPPITT STREET	(PORTION) CAMP STREET TO A POINT 223.09 FEET EASTERLY	223.09
MALLET STREET	OLNEY STREET TO SOUTHERLY LINE OF BATES STREET	261.62
MANNING STREET	(PORTION) EASTERLY LINE OF BROOK STREET TO THE WESTERLY LINE OF HOPE STREET	477.36
ORANGE STREET	(PORTION) EASTERLY LINE DYER STREET TO ITS EASTERLY TERMINATION	304.00

<u>NAME</u>	<u>BETWEEN POINTS</u>	<u>LENGTH IN FEET</u>
PACIFIC STREET	AQUIDNECK STREET NORTHERLY TO NEW HAVEN RAILROAD COMPANY LAND	1,156.45
SAMPSON STREET	NIANTIC AVENUE TO BARRINGTON STREET	807.94
SCOTT STREET	DOYLE AVENUE TO HOWELL STREET	235.39
TYLER STREET	(PORTION) FAITH STREET TO CALHOUN AVENUE	253.48
VAN ZANDT STREET	(PORTION) CALHOUN AVENUE TO HAMBURG AVENUE	432.79
WOODLAND STREET	HOLDEN STREET TO ITS EASTERLY TERMINATION	290.57
		<u>16,127.57</u>

UNRECEIVED STREETS ABANDONED

ACKERMAN STREET	NIANTIC AVENUE TO ITS EASTERLY TERMINATION	438.00
AQUIDNECK STREET	FAITH STREET TO PACIFIC AVENUE	500.00
BALCH STREET	NIANTIC AVENUE TO CALHOUN AVENUE	670.60
BARNABY STREET	FAITH STREET TO PACIFIC AVENUE	506.35
BECKWITH STREET	FAITH STREET TO PACIFIC AVENUE	504.00
BINNEY STREET	NIANTIC AVENUE TO ITS EASTERLY TERMINATION	502.00
BARRINGTON STREET	CALHOUN AVENUE TO PACIFIC AVENUE	323.00
CLINTON STREET	FAITH STREET TO PACIFIC AVENUE	500.00
DAY STREET	NIANTIC AVENUE TO ITS EASTERLY TERMINATION	514.00
DIAZ STREET	BATCHELLER AVENUE TO FOCH AVENUE	196.35
DORRANCE STREET	(PORTION) DYER STREET TO ITS EASTERLY TERMINATION	144.82
DUPONT STREET	NIANTIC AVENUE TO ITS EASTERLY TERMINATION	506.00
FAITH STREET	BARRINGTON STREET NORTHERLY TO NEW HAVEN RAILROAD CO. LAND AND BECKWITH STREET TO TYLER STREET	1,324.68
FRANKFORT STREET	BARRINGTON STREET TO ITS SOUTHERLY TERMINATION	1,508.00
GRAND STREET	HUNTINGTON AVENUE SOUTHERLY TO NEW HAVEN RAILROAD CO. LAND	87.67
HAM STREET	PACIFIC AVENUE TO FAITH STREET	500.00
HALTON STREET	HUNTINGTON AVENUE SOUTHERLY TO NEW HAVEN RAILROAD CO. LAND	87.67
ILLINOIS STREET	WOODWARD ROAD NORTHEASTERLY TO ITS TERMINATION	92.00
JONATHAN STREET	BARRINGTON STREET TO ITS SOUTHERLY TERMINATION	1,512.00
LOWE AVENUE	PLEASANT VIEW AVENUE TO BARRINGTON STREET	1,104.00
MALLET STREET	SOUTHERLY LINE BATES STREET NORTHERLY AND EASTERLY TO CAMP STREET	224.00
PACIFIC AVENUE	BECKWITH STREET TO NORTHERLY LINE OF AQUIDNECK STREET	408.00
PLYMOUTH STREET	HUNTINGTON AVENUE SOUTHERLY TO NEW HAVEN RAILROAD CO. LAND	80.00
PLEASANT VIEW AVENUE	BECKWITH STREET TO BARRINGTON STREET	1,390.00
PURITAN STREET	HUNTINGTON AVENUE TO ITS SOUTHERLY TERMINATION	89.53
SEABURY STREET	HUNTINGTON AVENUE SOUTHERLY TO NEW HAVEN RAILROAD CO. LAND	87.67
TYLER STREET	CALHOUN AVENUE TO PACIFIC AVENUE	302.02
UNNAMED STREET	OLNEY STREET TO ITS NORTHERLY TERMINATION	104.00
VAN ZANDT STREET	FAITH STREET TO CALHOUN AVENUE AND FROM HAMBURG AVENUE TO ITS EASTERLY TERMINATION	580.00
WILD STREET	(PORTION) WESTERLY LINE MAY STREET WESTERLY TO THE EASTERLY LINE OF WILD STREET	180.55
		<u>14,966.91</u>

THE APPROXIMATE LENGTH OF STREETS PLATTED BUT NOT RECEIVED IS 43.946 MILES.

THE NET ADDITION DURING THE YEAR ADDED TO THE PREVIOUS TOTAL MAKES THE LENGTH OF RECEIVED STREETS AT THE END OF THE FISCAL YEAR 1962 (MEASURED ALONG PROPERTY LINES) 368.107 MILES.

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

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

TERMINAL ROAD	LOCATION OF BOUNDS
LIPPITT HILL AREA	PROPOSED ABANDONMENT
RESERVOIR AVENUE	PROPOSED LEASE
TERMINAL ROAD	LOCATION SURVEY
WILD STREET & HENRIETTA STREET	PROPOSED ABANDONMENT
DESOTO STREET & SERVICE ROAD #7	PROPOSED SALE OF LAND
TYLER, VANZANT, HAM, FRANKFORT, JONATHAN & FAITH STREETS (PORTIONS)	PROPOSED ABANDONMENT
EAST ORCHARD AVENUE	PROPOSED ABANDONMENT
TERMINAL ROAD	RENEWAL OF SUN OIL Co. LEASE
DYER STREET (PORTION)	PROPOSED ABANDONMENT
DILLON MEMORIAL PARK	CROSS SECTION OF SOUTH WESTERLY PORTION
FEDERAL STREET & KENYON STREET	PROPOSED PURCHASE
MANNING STREET	PROPOSED ABANDONMENT
ROGER WILLIAMS PARK	LOCATION SURVEY
NIAGARA STREET	DEDICATION FOR HIGHWAY
NORTH BURIAL GROUND	SECTION 22 & 26
DIAZ STREET	PROPOSED ABANDONMENT
BEACH, WOODLAND, CALAIS (PORTION), EDITH & LELAND STREETS	PROPOSED ABANDONMENT
ILLINOIS STREET	PROPOSED ABANDONMENT
MASHAPAUG POND AREA	PROPOSED ABANDONMENT
CHRISTOPHER STREET	LAND DEEDED FOR HIGHWAY
CENTRAL-CLASSICAL AREA	PROPOSED ABANDONMENT
VICKSBURG & SHILOH STREETS	PROPOSED PURCHASE
CENTRAL-CLASSICAL PROJECT	PROPOSED ABANDONMENT
POCASSET AVENUE & LOWELL AVENUE	PROPOSED SALE
TERMINAL ROAD	FIELDS POINT MANUFACTURING CO. LEASE
BENEFIT STREET & HALSEY STREET	PROPOSED LEASE
WESTMINSTER STREET	PROPOSED EASEMENT
OXFORD, SAYLES & HARRIET STREETS	CROSS SECTION (PLAYGROUND AREA)
FIELDS POINT	STUDY PLAN
FIELDS POINT	PROPOSED LEASE
RUGGLES STREET	PROPOSED SALE
KILLINGLY STREET	PLAINFIELD STREET TO CITY LINE
ADMIRAL STREET	DOUGLAS AVENUE TO CITY LINE

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

VALLEY STREET
 ORMS STREET
 JEWETT STREET
 SILVER SPRING STREET
 METCALF STREET
 FROST STREET
 NASHUA STREET
 WHITMARSH STREET
 WILD STREET
 DOUGLAS AVENUE
 WILD STREET
 BRANCH AVENUE

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

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

NORTH BURIAL GROUND

DURING THE YEAR 42 DEEDS TO LOTS CONVEYED BY THE CITY AND 47 CERTIFICATES OF PERPETUAL CARE HAVE BEEN DRAWN. DESCRIPTIONS OF THE LOTS WERE FURNISHED THE SUPERINTENDENT, FIELD SURVEYS WERE MADE AND LOTS STAKED OUT ON THE GROUND WHEN REQUESTED. ELEVATIONS WERE TAKEN AND SURVEYS WERE MADE FOR THE DEVELOPMENT OF TWO SECTIONS AT THE REQUEST OF THE SUPERINTENDENT.

GENERAL

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

A LOCATION SURVEY WAS MADE AND PLANS DRAWN SHOWING ROADS, PATHS, OF THE NORTHEASTERLY PORTION OF ROGER WILLIAMS PARK.

LOCATION SURVEYS WERE MADE TO ASSIST THE POLICE DEPARTMENT IN PROSECUTING LICENSE VIOLATIONS.

TITLE RESEARCH WORK WAS MADE ON VARIOUS PARCELS OF LAND IN THE CITY'S INTEREST.

STREET LINES WERE REESTABLISHED, BUILDINGS LOCATED AND PLANS MADE FOR VARIOUS STREETS.

SURVEYS WERE MADE FOR LEASES OF CITY-OWNED LAND AT FIELDS POINT.

VARIOUS STREET LOCATIONS WERE GIVEN TO ASSIST THE NARRAGANSETT ELECTRIC CO. AND THE TELEPHONE CO. IN SETTING NEW POLES.

SURVEYS WERE MADE AND PLANS DRAWN FOR PROPOSED STREET WIDENINGS.

A SURVEY AND CROSS SECTION WAS MADE AND PLANS DRAWN FOR NEW ROAD AT FIELDS POINT.

A SURVEY AND CROSS SECTION WAS MADE AND PLANS DRAWN FOR PROPOSED SWIMMING POOL AT PLAYGROUND AT ELLERY, WENDELL AND ROSEDALE STREETS.

A SURVEY WAS MADE FOR PROPOSED NEW LEASES AT FIELDS POINT.

A SURVEY WAS MADE FOR LOCATION OF SHORE LINE AT FIELDS POINT.

A SURVEY WAS MADE TO DETERMINE THE CITY LINE AT THE DRIVE-IN THEATRE AT COLLYER AND POWELL STREETS FOR THE TAX ASSESSORS OFFICE.

SEVERAL PLANS WERE DRAWN TO ASSIST THE CITY CLERK'S OFFICE IN ACCORDANCE WITH CITY COUNCIL ORDINANCES.

A SURVEY WAS MADE AND PLANS DRAWN TO ASSIST THE PROVIDENCE REDEVELOPMENT AGENCY AT WEST RIVER PARK.

A SURVEY WAS MADE AND CROSS SECTION TAKEN FOR RECREATION DEPARTMENT AT THE MARY E. FOGARTY SCHOOL.

A SURVEY WAS MADE OF PROPERTY LINES AT WINDMILL STREET SCHOOL.

A SURVEY WAS MADE AND PLANS DRAWN FOR AN EASEMENT AT OLNEYVILLE EXPRESSWAY.

MAPS WERE MADE AND CHARTS PREPARED FOR SNOW REMOVAL ROUTES.

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

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

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

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

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

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

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

ENGINEERING ASSISTANCE WAS GIVEN TO THE PUBLIC BUILDINGS DIVISION, POLICE DEPARTMENT, CITY PLAN COMMISSION, TRAFFIC DIVISION, BOARD OF CANVASSERS, CITY CLERK'S OFFICE, TAX ASSESSOR'S OFFICE, REDEVELOPMENT AGENCY, WATER DEPARTMENT AND BUILDING INSPECTION DIVISION, FROM TIME TO TIME.

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 125 INDIVIDUALS OR CORPORATIONS, WERE FURNISHED THE DIRECTOR OF PUBLIC WORKS.

BUILDING NOTICES. GRADES EITHER PROPOSED, DEFINED OR ESTABLISHED HAVE BEEN MARKED ON THE GROUND FOR PARTIES INTENDING TO BUILD ON SIXTEEN STREETS COVERING NINETEEN APPLICATIONS.

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

PROFILES. PROFILES OF SUNDRY STREETS, APPROXIMATELY 1.087 MILES HAVE BEEN MADE FOR THE PURPOSE OF DEFINING GRADES. THE CONTOURS OF THE CENTER AND SIDE LINES ARE SHOWN AT FIFTY FOOT STATIONS, ALSO THE LEVELS OF THE SILLS AND GROUND LINES OF THE HOUSES ADJOINING THE STREETS. THE PROFILE PLANS INCLUDE PLAN VIEWS WITH PROPERTY LINES AND HOUSES SHOWN.

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

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

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

<u>STREET</u>	<u>TYPE - BITUMINOUS CONCRETE</u>	<u>SQ. YDS</u>
ABBOTT STREET	NORTH MAIN STREET TO CAMP STREET	3,185
BARBERRY HILL	ARLINGTON AVENUE TO FREEMAN PARKWAY	1,195
BARNES STREET	PROSPECT STREET TO THAYER STREET	3,494
BELAIR AVENUE	LARCH STREET TO PHILLIP STREET	1,748
BERKSHIRE STREET	DOUGLAS AVENUE TO SALINA STREET	4,384
BRAMAN STREET	HOPE STREET TO MORRIS AVENUE	875
BREWSTER STREET	FOURTH STREET TO SUMMIT AVENUE	947
BROWN STREET	GEORGE STREET TO POWER STREET	2,940
BURLINGTON STREET	LORIMER AVENUE TO HOPE STREET	2,288
CANONCHET STREET	MOUNT PLEASANT AVENUE TO WINTHROP AVENUE	1,056
COLONIAL ROAD	NORTH MAIN STREET TO SUMMIT AVENUE	4,682
COMMODORE STREET	SILVER SPRING STREET TO BRANCH AVENUE	3,636
CYPRESS STREET	NORTH MAIN STREET TO CAMP STREET	4,297
DANA STREET	CAMP STREET TO HOPE STREET	3,643
DEVONSHIRE STREET	ADMIRAL STREET TO SUNBURY STREET	2,642
DUNCAN AVENUE	NORTH MAIN STREET TO KNOWLES STREET	3,097
EAST MANNING STREET	GOVERNOR STREET TO GANO STREET	2,633
EIGHTH STREET	NORTH MAIN STREET TO HIGHLAND AVENUE	1,403
EIGHTH STREET	SUMMIT AVENUE TO HOPE STREET	2,587
EXETER STREET	SUMMIT AVENUE TO GLENDALE AVENUE	1,430
FILLMORE STREET	DOUGLAS AVENUE TO ADMIRAL STREET	4,347
FISHER STREET	HOPE STREET TO MORRIS AVENUE	845
GARFIELD AVENUE	CHALKSTONE AVENUE TO PLEASANT VALLEY PARKWAY	3,323
GLENDALE AVENUE	SUMMIT AVENUE TO HOPE STREET	1,592
GODDARD STREET	DOUGLAS AVENUE TO CANDACE STREET	4,128
GOVERNOR STREET	WATERMAN STREET TO ANGELL STREET	1,480
GRAND VIEW STREET	NORTH MAIN STREET TO CAMP STREET	3,230

<u>STREET</u>	<u>TYPE - BITUMINOUS</u>	<u>SQ. YDS.</u>
HATMARKET STREET	CANAL STREET TO NORTH MAIN STREET	582
HIGHLAND AVENUE	SECOND STREET TO FOURTH STREET	1,627
HIGHLAND AVENUE	SOUTH LINE OF EIGHTH STREET TO THE NORTH LINE OF NINTH STREET	737
HYMER STREET	CRANDALL STREET TO RIVER AVENUE	491
JENKINS STREET	NORTH MAIN STREET TO CAMP STREET	3,362
LAURISTON STREET	HOPE STREET TO LORIMER AVENUE	2,289
LEWIS STREET	HOPE STREET TO MORRIS AVENUE	890
LINTON STREET	ACADEMY AVENUE TO CANTON STREET	1,750
LISBON STREET	REGENT AVENUE TO CHALKSTONE AVENUE	2,660
METHYL STREET	LORIMER AVENUE TO HOPE STREET	1,805
MOWRY STREET	DOUGLAS AVENUE TO ITS WESTERLY TERMINATION	1,019
MUTUAL PLACE	BURLINGTON STREET TO ROCHAMBEAU AVENUE	890
NAHANT STREET	CHARLES STREET TO RUSSO STREET	453

<u>STREET</u>	<u>TYPE - BITUMINOUS CONCRETE</u>	<u>SQ. YDS</u>
NINTH STREET	NORTH MAIN STREET TO HOPE STREET	5,483
NORTHUP AVENUE	SILVER SPRING STREET TO HALL STREET	2,784
OLD ROAD	SMITH STREET TO MOUNT PLEASANT AVENUE	1,065
OREGON STREET	WHIPPLE STREET TO FILLMORE STREET	573
PACKET STREET	SOUTH WATER STREET TO SOUTH MAIN STREET	447
PORTER STREET	EDDY STREET TO RUGBY STREET	1,296
RIVER AVENUE	EATON STREET TO A POINT 43 FEET NORTH OF SMITH STREET	2,591
RIVER AVENUE	JOY STREET TO BRADLEY STREET	3,637
ROYAL STREET	NORTH MAIN STREET TO KNOWLES STREET	1,152
SUNBURY STREET	VEAZIE ST. TO A POINT 84 FEET NORTH OF CUMBERLAND STREET	3,451
UNION AVENUE	LAUREL HILL AVENUE TO POCASSET AVENUE	4,462
VANDEWATER STREET	DOUGLAS AVENUE TO BRANCH AVENUE	4,076
VEAZIE STREET	DOUGLAS AVENUE TO O'NEIL STREET	2,352
WALLER STREET	CHALKSTONE AVENUE TO SOUTH SIDE OF CANONCHET STREET	2,784
WAYLAND AVENUE	PITMAN STREET TO WATERMAN STREET	2,415
WHIPPLE STREET	DOUGLAS AVENUE TO ADMIRAL STREET	4,018
	TOTAL	132,248

SPECIAL HIGHWAY RECONSTRUCTION BY CITY OF PROVIDENCE UNDER CONTRACT.

BY NARRAGANSETT IMPROVEMENT COMPANY

		TYPE	
PROMENADE STREET	GASPEE STREET TO HEMLOCK STREET (OMITS EXPRESSWAY AREA)	BITUMINOUS CONCRETE	13,925
SUMMER STREET	FRIENDSHIP STREET TO BROAD STREET	BITUMINOUS CONCRETE	2,670
WATERMAN STREET	NORTH MAIN STREET TO BENEFIT ST. AND BENEFIT ST. TO THAYER STREET	BITUMINOUS CONCRETE	7,594
WINTER STREET	BROAD STREET TO CRANSTON STREET AND WESTMINSTER STREET TO FOUNTAIN STREET	BITUMINOUS CONCRETE	5,819
	TOTAL		30,008

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

BY NARRAGANSETT IMPROVEMENT COMPANY

<u>STREET</u>	<u>TYPE - BITUMINOUS CONCRETE</u>	<u>SQ. YDS.</u>
BAGALIA ROAD	LUBEC STREET TO JOSEPH STREET	462
BARBOUR DRIVE	WRISTON DRIVE TO FAUNCE DRIVE	1,474
CANONCHET STREET	WINTHROP AVENUE TO STANDISH AVENUE	439
CAMPTON STREET	MOUNT PLEASANT AVENUE TO SMITH STREET	2,114
DORA STREET	ATWOOD STREET TO CUMERFORD STREET	693
EUGENE STREET	SPRINGFIELD STREET TO OPHELIA STREET	494
GRIDLEY STREET	LEDGE STREET TO BISMARK STREET	1,247
HILARY DRIVE	SMITH STREET TO CATHEDRAL AVENUE	3,105
JOSEPH STREET	EASTERLY LINE OF BAGALIA ROAD WESTERLY TERMINATION	877
LESTER STREET	HARRISON STREET TO DEXTER STREET	660
OPHELIA STREET	HARTFORD AVENUE TO A POINT 120 FEET SOUTH OF THORNTON STREET	2,210

<u>STREET</u>	<u>TYPE * BITUMINOUS CONCRETE</u>	<u>SQ. YDS.</u>
SALVAN STREET	FRUIT HILL AVENUE TO CITY LINE	220
WRISTON DRIVE	COLE AVENUE TO WESTERLY TERMINATION	<u>1,231</u>
TOTAL UNDER CONTRACT TO NARRAGANSETT IMPROVEMENT CO.		15,226

CONSTRUCTION WAS IN PROGRESS IN THE FOLLOWING STREETS ON SEPTEMBER 30, 1962

APPROXIMATELY NINE INTERSECTIONS

ADA AVENUE	BRUSH HILL ROAD TO HILL CREST AVENUE
ALMIRA AVENUE	IMERA AVENUE TO ALDINE STREET
AVON STREET	ANTHONY AVENUE TO EASTERLY TERMINATION
COLLEGE STREET	SOUTH WAYER STREET TO BENEFIT STREET
DELAINE STREET	MANTON AVENUE TO HARRIS AVENUE
DOROTHY AVENUE	LANGDON SYREET TO ROBIN BROOK SEWER
FAUNCE DRIVE	COLE AVENUE TO TERMINATION
GASPEE STREET	RAILROAD STREET TO WEST EXCHANGE STREET
GENTIAN AVENUE	TEXAS AVENUE TO CITY LINE
HILL CREST AVENUE	FREEDOM ROAD TO ADA AVENUE
HOPE STREET	ANGELL STREET TO LLOYD AVENUE
JEWETT STREET	HOLDEN STREET TO VALLEY STREET
KENTLAND AVENUE	ADMIRAL STREET TO GENTIAN AVENUE
LESLIE DRIVE	MOUNT PLEASANT AVENUE, SOUTHEASTERLY, SOUTHERLY AND WESTERLY TO MOUNT PLEASANT AVENUE
LONGWOOD AVENUE	NORTH LINE OF KENTLAND AVENUE TO CITY LINE
MAXCY DRIVE	BARBOUR DRIVE TO FAUNCE DRIVE
OAKLAND AVENUE	CHAD BROWN STREET TO EATON STREET
OXFORD STREET	OCEAN STREET TO PRAIRIE AVENUE
REGENT AVENUE	ACADEMY AVENUE TO HAROLD STREET
ROYAL AVENUE	GENTIAN AVENUE TO CITY LINE
RUGGLES STREET	CHAD BROWN STREET TO SMITH STREET
SAVINGS STREET	DETROIT AVENUE TO SASSAFRAS STREET
SMITH STREET	RICHTER STREET TO RUGGLES STREET
SPARROW STREET	RUGGLES STREET TO OAKLAND AVENUE
WINTHROP AVENUE	CHALKSTONE AVENUE TO METROPOLITAN ROAD

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

<u>STREET</u>		<u>CURB ORDERED</u>	<u>LENGTH IN FEET</u>
CRARY STREET	ALLENS AVE. TO EAST LINE UNNAMED STREET	DEC. 5, 1940	276
CUTLER STREET	NEWARK STREET TO ATWELLS AVENUE	AUG. 7, 1952	206
GREELEY STREET	HAGAN STREET TO AVENTINE AVENUE	JULY 9, 1962	1,493
JOY STREET	RIVER AVENUE TO WESTERLY TERMINATION	DEC. 6, 1954	400
LEHIGH STREET	POE STREET TO ALLENS AVENUE	APR. 8, 1955	478
POE STREET	SEYMOUR STREET TO LEHIGH STREET	APR. 8, 1955	220
REDWOOD DRIVE	CITY LINE AT LONGWOOD AVENUE TO CITY LINE AT ROYAL AVENUE	MAY 6, 1960	301
TRAJNOR STREET	ACORN STREET TO DE PASQUALE AVENUE	JUNE 20, 1935	249
PLATTED STREET	CRARY STREET TO GLOBE STREET	DEC. 5, 1940	<u>117</u>
TOTAL			3,740

PETITIONS TO HAVE GRADE DEFINED

DATE	<u>STREET AND LOCATION</u>
JAN.20,1955	ADIE STREET, FROM ATWELLS AVENUE TO CEDAR STREET
FEB.17,1955	OPHELIA STREET, FROM A POINT 120 FT. S. OF THORNTON STREET TO WOLFE ST.
JUNE 2,1955	AUMOND STREET, FROM EDGEWOOD BLVD. TO CITY LINE
JULY 7,1955	VESPUCCI STREET, FROM DOUGLAS AVENUE TO FERNANDO STREET
AUG. 4,1955	POE STREET, FROM OXFORD STREET TO SEYMOUR STREET
SEP. 1,1955	QUENN STREET, FROM LAUREL HALL AVENUE TO ITS NORTHERLY TERMINATION
NOV. 3,1955	HYMER STREET, FROM CRANDALL STREET TO SEAMANS STREET
DEC. 1,1955	DERRY STREET, FROM OREGON STREET TO GEOFFREYS COURT
MAY 3,1956	STUKELY STREET, FROM HARTFORD AVENUE TO #41 STUKELY STREET
MAY 3,1956	WESTMORE STREET, FROM NIAN TIC AVENUE TO LAKEVIEW AVENUE
JUNE 7,1956	MONTICELLO STREET, FROM OPPER STREET TO ROBIN BROOK SEWER
AUG. 2,1956	LIBIA STREET, FROM FARMINGTON AVENUE TO ITS TERMINATION
SEP. 6,1956	MINNESOTA STREET, FROM WOODWARD ROAD TO ITS TERMINATION
FEB. 7,1957	MARIA STREET, FROM KILLINGLY STREET TO CITY LINE
APR.18,1957	STELLA STREET, FROM BARBARA STREET TO TERMINATION
MAY 16,1957	CORSICA STREET, FROM FRUIT HILL AVENUE TO GENOA STREET
MAY 16,1957	GENOA STREET, FROM FRUIT HILL AVENUE TO TARANTO STREET
JUNE 6,1957	POE STREET, FROM MUTUAL STREET TO OXFORD STREET
JULY 11,1957	HILLARD STREET, FROM MANTON AVENUE TO PELHAM STREET
JULY 11,1957	COWPER COURT, FROM MESSER STREET TO TERMINATION
OCT. 3, 1957	DUKE STREET, FROM ORMS STREET TO SMITH STREET
DEC. 19,1957	KING PHILIP STREET, FROM BARBARA STREET TO GRIMWOOD STREET
MAY 1,1958	YORK STREET, FROM NORTH MAIN STREET TO STEELE STREET
JULY 3,1958	PROCTOR PLACE, FROM DOYLE AVENUE TO TERMINATION
AUG. 7,1958	SEDAN STREET, FROM ARGOL STREET TO TERMINATION
SEP. 4,1958	YORKTOWN PLACE, FROM LINTON STREET TO TERMINATION
NOV. 6,1958	MYRA STREET, KILLINGLY STREET TO BOUNDRY AVENUE
FEB. 19,1959	DEERFIELD TERRACE, FROM ALGER AVENUE TO TERMINATION
MAR. 5,1959	SIBLEY STREET, FROM CRESCENT STREET TO WEST TERMINATION
APR. 2,1959	NYE STREET, FROM IDA STREET TO MERINO STREET
APR. 16,1959	STELLA STREET, FROM BARBARA STREET TO GRIMWOOD STREET
JULY 2,1959	BATTERSON STREET, FROM WALSH STREET TO BULLOCK AVENUE
JULY 2,1959	BULLOCK AVENUE, FROM BATTERSON STREET TO CITY LINE
JULY 2,1959	HENNESSEY STREET, FROM SAINT THOMAS STREET TO BULLOCK AVENUE
JULY 2,1959	ROWLEY STREET, FROM BATTERSON STREET TO HENNESSEY STREET
JULY 2,1959	TRIGGS STREET, FROM WALSH STREET TO BULLOCK AVENUE
JULY 2,1959	WALSH STREET, FROM BATTERSON STREET TO HENNESSEY STREET
OCT. 1,1959	CHRISTOPHER STREET, FROM CHARLES STREET TO WINDMILL STREET
MAR. 3,1960	WAYLAND AVENUE, FROM PITMAN STREET TO ITS SOUTHERLY TERMINATION
MAR. 3,1960	TOGANSETT ROAD, FROM NIAN TIC AVENUE TO LAKEVIEW DRIVE
MAR. 3,1960	UNNAMED GANGWAY FROM PETER STREET TO LEDGE STREET
SEP. 1,1960	OWEN STREET, FROM MANTON AVENUE TO KING STREET
FEB. 16,1961	EAST GEORGE STREET, GANO STREET TO BUTLER AVENUE
APR. 20,1961	HASWELL STREET, EDDY STREET TO EASTERLY TERMINATION
MAY 18,1961	SHAW STREET, LANGDON STREET TO LAKESIDE STREET
JULY 6,1961	RIDGEWAY AVENUE, FROM A POINT 234.2 FT EAST OF MANTON AVENUE EASTERLY TO HILLCREST AVENUE
AUG. 10,1961	CELIA STREET, HARTFORD AVENUE TO NORTHERLY TERMINATION
AUG. 10,1961	LAKESIDE STREET, SHAW STREET TO EVERSON STREET
AUG. 10,1961	DOROTHY AVENUE, WEST LINE ROBIN BROOK SEWER TO CHARLES STREET
JAN. 18,1962	DIPIPPO STREET, KILLINGLY STREET TO ITS TERMINATION

FEB. 15, 1962	SHAW STREET, EASTERLY LINE OF LAKESIDE STREET WESTERLY TO ITS WESTERLY TERMINATION
MAR. 1, 1962	UNNAMED GANGWAY, EAST OF HAVANA STREET WESTERLY TO THE CITY LINE
JUNE 7, 1962	DAKOTA STREET, WOODWARD ROAD TO TERMINATION
AUG. 2, 1962	CAVALLATTI STREET, FARMINGTON AVENUE TO ITS TERMINATION
AUG. 2, 1962	COLLYER STREET, CEMETERY STREET TO THE CITY LINE
AUG. 2, 1962	POE STREET, OXFORD STREET TO PUBLIC STREET

PETITIONED FOR CURBING AND GRADING

DATE	<u>STREET AND LOCATION</u>
FEB. 17, 1955	OPHELIA STREET, FROM A PT. 120 FT. S. OF THORNTON STREET TO WOLFE STREET
MAY 5, 1955	PARK ROW, FROM EDGEWOOD BOULEVARD SOUTHERLY TO GRANSTON CITY LINE
JUNE 2, 1955	AUMOND STREET, FROM EDGEWOOD BOULEVARD TO CITY LINE
JULY 7, 1955	VESPUGGI STREET, FROM DOUGLAS AVENUE TO FERNANDO STREET
AUG. 4, 1955	POE STREET, FROM OXFORD STREET TO SEYMOUR STREET
SEPT. 1, 1955	QUEEN STREET, FROM LAUREL HILL AVENUE TO ITS NORTHERLY TERMINATION
NOV. 3, 1955	HYMER STREET, FROM CRANDALL STREET TO SEAMANS STREET
DEC. 1, 1955	DERRY STREET, FROM OREGON STREET TO GEOFFREYS COURT
MAY 3, 1956	STUKELY STREET, FROM HARTFORD AVENUE TO #41 STUKELY STREET
MAY 3, 1956	WESTMORE STREET, FROM NIANTIC AVENUE TO LAKEVIEW DRIVE
AUG. 2, 1956	LIBIA STREET, FROM FARMINGTON AVENUE TO ITS TERMINATION
NOV. 15, 1956	BURTON STREET, FROM BINGHAM STREET TO TERMINATION
FEB. 7, 1957	MARIA STREET, FROM KILLINGLY STREET TO CITY LINE
MAY 2, 1957	HAGAN STREET, FROM CHARLES STREET TO LANGDON STREET
JUNE 6, 1957	POE STREET, FROM MUTUAL STREET TO OXFORD STREET
JULY 11, 1957	HILLARD STREET, FROM MANTON AVENUE TO PELHAM STREET
JULY 11, 1957	COWPER COURT, FROM MESSER STREET TO TERMINATION
AUG. 15, 1957	GROTTO AVENUE, FROM UPTON AVENUE TO PORTION ALREADY RECEIVED
OCT. 3, 1957	DUKE STREET, FROM ORMS STREET TO SMITH STREET
DEC. 10, 1957	KING PHILIP STREET, FROM BARBARA STREET TO GRIMWOOD STREET
FEB. 20, 1958	CARVER COURT, FROM 53 PLEASANT STREET TO TERMINATION
MAY 1, 1958	YORK STREET, FROM NORTH MAIN STREET TO STEELE STREET
JULY 3, 1958	PROCTOR PLACE, FROM DOYLE AVENUE TO TERMINATION
SEPT. 4, 1958	YORKTOWN PLACE, FROM LINTON STREET TO TERMINATION
SEPT. 18, 1958	TAPPAN STREET, FROM HAWKINS STREET TO ADMIRAL STREET
NOV. 6, 1958	MYRA STREET, FROM KILLINGLY STREET TO BOUNDARY AVENUE
MAR. 5, 1959	SIBLEY STREET, FROM CRESCENT STREET TO WEST TERMINATION
APR. 16, 1959	STELLA STREET, FROM BARBARA STREET TO GRIMWOOD STREET
JULY 2, 1959	BATTERSON STREET, FROM WALSH STREET TO BULLOCK AVENUE
JULY 2, 1959	BULLOCK AVENUE, FROM BATTERSON STREET TO CITY LINE
JULY 2, 1959	HENNESSEY STREET, FROM SAINT THOMAS STREET TO BULLOCK AVENUE
JULY 2, 1959	ROWLEY STREET, FROM BATTERSON STREET TO HENNESSEY STREET
JULY 2, 1959	TRIGGS STREET, FROM WALSH STREET TO BULLOCK AVENUE
JULY 2, 1959	WALSH STREET, FROM BATTERSON STREET TO HENNESSEY STREET
OCT. 1, 1959	CHRISTOPHER STREET, FROM CHARLES STREET TO WINDMILL STREET
MAR. 3, 1960	WAYLAND AVENUE, FROM PITMAN STREET TO ITS SOUTHERLY TERMINATION
MAR. 3, 1960	TOGANSETT ROAD FROM NIANTIC AVENUE TO LAKEVIEW DRIVE
MAR. 3, 1960	UNNAMED GANGWAY, FROM PETER STREET TO LEDGE STREET
OCT. 20, 1960	CLARKSON STREET, ADMIRAL STREET TO TERMINATION
FEB. 16, 1961	EAST GEORGE STREET, GANO STREET TO BUTLER AVENUE
APR. 20, 1961	HASWELL STREET, EDDY STREET TO EASTERLY TERMINATION
MAY 18, 1961	SHAW STREET, LANGDON STREET TO LAKESIDE STREET
JULY 6, 1961	RIDGEWAY AVENUE, FROM A POINT 234.2 FT. EAST OF MANTON AVENUE EASTERLY TO HILL CREST AVENUE

AUG. 10,1961 CELIA STREET, HARTFORD AVENUE TO NORTHERLY TERMINATION
 AUG. 10,1961 LAKESIDE STREET, SHAW STREET TO EVERSON STREET
 AUG. 10,1961 DOROTHY AVENUE, WEST LINE ROBIN BROOK SEWER TO CHARLES STREET
 AUG. 10,1961 GENOA STREET, FRUIT HILL AVENUE TO TARANTO STREET
 AUG. 10,1961 CORSICA STREET, FRUIT HILL AVENUE TO GENOA STREET
 JAN. 18,1961 DIPIPPA STREET, KILLINGLY STREET TO ITS NORTHERLY TERMINATION
 FEB. 15,1962 SHAW STREET, EASTERLY LINE OF LAKESIDE STREET WESTERLY TO ITS WESTERLY
 TERMINATION
 MAR. 1, 1962 UNNAMED GANGWAY, EAST HAVANA STREET WESTERLY TO THE CITY LINE
 AUG. 2, 1962 CAVALLATTI STREET, FARMINGTON AVENUE TO ITS TERMINATION
 AUG. 2, 1962 COLLYER STREET, CEMETERY STREET TO CITY LINE
 AUG. 2, 1962 POE STREET, OXFORD STREET TO PUBLIC STREET

SUMMARY TO OCTOBER 1,1962

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

<u>TYPES OF PAVEMENT</u>	<u>LENGTHS MILES</u>	<u>AREA SQUARE YARDS</u>
REINFORCED CONCRETE	0.17	3,101.0
BITUMINOUS CONCRETE (CURBED)	153.01	2,609,059.5
BITUMINOUS CONCRETE (NOT CURBED)	6.36	111,946.0
SHEET ASPHALT (CURBED)	65.16	1,594,819.4
SHEET ASPHALT (NOT CURBED)	0.30	4,195.0
BITUMINOUS MACADAM (CURBED)	131.68	2,022,660.4
BITUMINOUS MACADAM (NOT CURBED)	2.57	41,138.0
ASPHALT BLOCKS	0.14	1,555.4
BRICK	0.02	197.2
COBBLE	0.12	765.9
GRANITE BLOCKS	2.83	43,910.3
WATERBOUND MACADAM (CURBED)	2.16	37,116.0
WATERBOUND MACADAM (NOT CURBED)	0.58	6,237.0
	365.22	6,476,701.1
RECEIVED (NOT IMPROVED)	2.84	
TOTAL	368.06	

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

STREETS PAVED WITH NEW MATERIAL 60,291 LINEAR FEET
 BITUMINOUS CONCRETE PAVEMENT LAID 177,482 SQUARE YARDS

SEWER AND STRUCTURAL SECTION

THE DUTIES OF THIS SECTION CONSISTS OF THE PREPARATION OF STUDIES, PLANS, SPECIFICATIONS AND ESTIMATES OF PROPOSED SANITARY AND STORM SEWERS, PREPARATION OF STUDIES, PLANS, SPECIFICATIONS AND ESTIMATES OF PROPOSED MISCELLANEOUS STRUCTURES AND THE FIELD ENGINEERING AND INSPECTION WORK OF ALL ABOVE PROJECTS IN PROGRESS AND THE COMPUTATION OF FINAL PAYMENTS TO CONTRACTORS.

ALL RECORDS ON THE ABOVE ARE FILED FOR FUTURE REFERENCE AND ALL FIELD RECORD BOOKS ARE FILED IN FIRE-PROOF CABINETS. PLANS ARE MADE ON CLOTH-MOUNTED DRAWING PAPER OF ALL SEWER CONSTRUCTION AND ALL HOUSE DRAINAGE CONNECTIONS ARE PLATTED ON THESE PLANS.

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

A CONTRACT FOR SEWERS IN VARIOUS STREETS BY THE V. F. CAPALDI CONST. CORP. DATED JULY 27, 1961, WAS COMPLETED DECEMBER 8, 1961 FINAL COST EQUALED \$88,918.02.

THE STREETS INVOLVED ARE AS FOLLOWS WITH THE COMPLETION DATES NOTED.

<u>COMPLETION DATES</u>	<u>DESCRIPTION</u>
OCT. 4, 1961	AVON STREET FROM ITS TERMINATION TO ANTHONY AVENUE.
DEC. 8, 1961	LESLIE DRIVE FROM NEAR MT. PLEASANT AVENUE, EASTERLY AND NORTHERLY TO PRESENT SEWER IN LESLIE DRIVE.
DEC. 8, 1961	TRINITY PARKWAY (NOW HILARY DRIVE) FROM NEAR SMITH STREET WESTERLY TO PRESENT SEWER IN TRINITY PARKWAY (NOW HILARY DRIVE).
OCT. 30, 1961	WRISTON DRIVE FROM ITS WESTERLY TERMINATION TO COLE AVENUE.
DEC. 5, 1961	BARBOUR DRIVE FROM NEAR WRISTON DRIVE TO FAUNCE DRIVE.
NOV. 17, 1961	MAXCY DRIVE FROM NEAR FAUNCE DRIVE TO BARBOUR DRIVE.
DEC. 5, 1961	FAUNCE DRIVE FROM APPROXIMATELY 490 FEET WEST OF COLE AVENUE TO COLE AVENUE.

A CONTRACT FOR SEWERS IN VARIOUS STREETS BY THE V.F. CAPALDI CONST. CORP. DATED MAY 31, 1962. THE STREETS INVOLVED ARE AS FOLLOWS, WITH THE STARTING DATES NOTED. THE VALUE OF THE WORK DONE TO DATE EQUALS \$45,805.00.

<u>COMPLETION DATES</u>	<u>DESCRIPTION</u>
	JOSEPHINE STREET (NOW BELAIR DRIVE) FROM NEAR WOONASQUATUCKET RIVER TRUNK SEWER .
	RIDGEWAY AVENUE FROM PRESENT SEWER 230 FEET EAST OF MANTON AVENUE TO HILLCREST AVENUE.
JULY 18, 1962	BLACKSTONE BOUELVARD FROM (HOUSE #261) APPROXIMATELY 60 FEET NORTH OF MAGELLAN STREET TO MAGELLAN STREET AND IN MAGELLAN STREET EASTERLY TO PRESENT SEWER IN MAGELLAN STREET.
	CELIA STREET FROM APPROXIMATELY 700 FEET NORTH OF HARTFORD AVENUE TO HARTFORD AVENUE.
JUNE 20, 1962	KATHARINE STREET FROM APPROXIMATELY 80 FEET NORTH OF DELAINE STREET TO DELAINE STREET.

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, 1962 EXCLUSIVE OF THOSE CONTRACTED FOR:

CITY COUNCIL

RESOLUTION

AND YEAR.

LOCATION

229 1940	BUCKLIN STREET, FROM NEAR POTTERS AVENUE TO GREENWICH STREET.
440 1940	NIANTIC AVENUE, FROM NEAR CRANSTON STREET TO AKERMAN STREET.
293 1951	WHITE STREET, FROM POWELL STREET TO COLLYER STREET.

LIST No.2

SEWERS PETITIONED FOR AND REFERRED TO THE PUBLIC WORKS COMMITTEE FOR FURTHER ACTION, FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1962.

OCT. 2,1952 OKIE STREET, FROM ITS WESTERLY TERMINATION TO BATH STREET.
 APR. 16,1953 MYRA STREET, FROM NEAR BOUNDARY AVENUE TO KILLINGLY STREET.
 JULY 1,1954 BULLOCK AVENUE, FROM CITY LINE TO DUNBAR STREET.
 SEPT. 2,1954 GROTON STREET, FROM DURFEE STREET TO POWHATTAN STREET.
 JULY 7,1955 VESPUCCI STREET, FROM FERNANDO STREET TO DOUGLAS AVENUE.
 SEPT. 1,1955 QUEEN STREET, FROM ITS NORTHERLY TERMINATION TO CLEVELAND STREET.
 NOV. 3,1955 HYMER STREET, FROM NEAR SEAMANS STREET TO CRANDALL STREET.
 DEC. 1,1955 DERRY STREET, FROM NEAR GEOFFREYS COURT TO OREGON STREET.
 MAY 3,1956 STUKELEY STREET, FROM ITS NORTHERLY TERMINATION TO HARTFORD AVENUE.
 MAY 3,1956 WESTMORE STREET, FROM NIANTIC AVENUE TO LAKEVIEW DRIVE.
 AUG. 2,1956 LIBIA STREET, FROM THE CITY LINE TO FARMINGTON AVENUE.
 NOV. 1,1956 SWAN STREET, FROM EDDY STREET TO POE STREET.
 FEB. 7,1957 MARIA STREET, FROM KILLINGLY STREET TO THE CITY LINE.
 JUNE 6,1957 COWPER COURT, FROM ITS TERMINATION TO MESSER STREET.
 SEPT. 4,1958 YORKTOWN PLACE, FROM ITS TERMINATION TO LINTON STREET.
 JULY 2,1959 HENNESSEY STREET, FROM BULLOCK AVENUE TO ST. THOMAS STREET.
 AUG. 6,1959 COMO STREET, FROM ITS NORTHERLY TERMINATION TO LEDGE STREET.
 MAR. 3,1960 WAYLAND AVENUE, FROM EAST GEORGE STREET TO SOUTHERLY TERMINATION.
 MAR. 3,1960 UNNAMED GANGWAY FROM PETER STREET TO LEDGE STREET.
 FEB. 16,1961 EAST GEORGE STREET FROM NEAR WAYLAND AVENUE TO BUTLER AVENUE AND IN BUTLER
 AVENUE FROM EAST GEORGE STREET TO PITMAN STREET.
 FEB. 16,1961 WESTMORE STREET, FROM NIANTIC AVENUE TO LAKEVIEW DRIVE.
 MOLTER STREET, FROM NIANTIC AVENUE TO LAKEVIEW DRIVE.
 HOWE STREET, FROM NIANTIC AVENUE TO LAKEVIEW DRIVE.
 JORDAN STREET, FROM WESTMORE STREET TO RESERVOIR AVENUE.
 LAKEVIEW DRIVE, FROM NIANTIC AVENUE TO ITS SOUTHERLY TERMINATION.
 APR. 20,1961 HASWELL STREET FROM APPROXIMATELY 300 FEET EAST OF EDDY STREET TO EDDY ST.
 AUG. 10,1961 GENOA AVENUE FROM NEAR TARANTO STREET TO FRUIT HILL AVENUE.
 AUG. 10,1961 CORSICA STREET FROM NEAR GENOA AVENUE TO FRUIT HILL AVENUE.
 SEP. 21,1961 GAGE STREET FROM NEAR SAMOSET AVENUE TO VICTORIA STREET.
 JAN. 18,1962 DIPIPPA STREET FROM ITS NORTHERLY TERMINATION TO KILLINGLY STREET.
 MAR. 1,1962 UNNAMED GANGWAY EAST OF HAVANA STREET WESTERLY TO CITY LINE.
 APR. 5,1962 NIANTIC AVENUE FROM WESTMORE STREET TO SWANTON STREET.
 JULY 5,1962 SWAN STREET FROM NEAR EDDY STREET EASTERLY TO RIGHT OF WAY THEN SOUTHERLY
 IN RIGHT OF WAY TO MUTUAL STREET.
 AUGUST 2,1962 CAVALLATTI STREET FROM ITS SOUTHERLY TERMINATION TO FARMINGTON AVENUE.
 AUG. 2,1962 DIMARIO DRIVE FROM ITS NORTHERLY TERMINATION TO JASPER STREET THEN
 WESTERLY TO PRESENT SEWER IN JASPER STREET.
 SEP. 6,1962 JOSEPH STREET FROM ITS WESTERLY TERMINATION TO HAVANA STREET THEN SOUTHERLY
 IN HAVANA STREET TO PRESENT SEWER IN LUBEC STREET.

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

SEWER SYSTEM STATISTICS: IN ORDER TO MAKE COMPLETE THE PROVIDENCE SEWER SYSTEM
 STATISTICS UP TO THE END OF THE FISCAL YEAR OF SEPTEMBER 30,1962 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.

"A" 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 INTERSEPTING SEWERS, DESIGNED FOR THE COLLECTION OF SEWAGE FLOW FROM OLDER SEWERS WHICH HERETOFORE DISCHARGED INTO THE RIVERS, WHICH HELPED TOWARD THE ELIMINATION OF SEWAGE POLLUTION OF RIVER AND HARBOR WATERS. DUE TO LATER REVISIONS IN CONSTRUCTION THE LENGTH OF THE IMPROVED SEWER SYSTEM EQUALED AS OF SEPTEMBER 30, 1962 - 52,2242 MILES. (INCREASE THIS YEAR 0.6215 MILES)

"B" IN 1872 THE FIRST STORM SEWER CONSTRUCTION WAS STARTED AND AS OF SEPTEMBER 30, 1962 A TOTAL OF 86.5273 MILES OF SEWERS FOR STORM WATER ONLY, HAVE BEEN CONSTRUCTED AND DISCHARGED INTO THE NEAREST AVAILABLE POND OR STREAM. (INCREASE THIS YEAR 0.3104 MILES)

"C" THE TOTAL LENGTH OF THE SO-CALLED REGULAR COMBINED SEWERS AS OF SEPTEMBER 30, 1962 EQUALS 323.7018 MILES. (NO CHANGE)

THE TOTAL LENGTH (A+B+C) OF ALL TYPES AND SIZES OF SEWERS MAINTAINED BY THE SEWER DIVISION OF THE PUBLIC WORKS DEPARTMENT AS OF SEPTEMBER 30, 1962 EQUALS 462.4533 MILES. (INCREASE THIS YEAR 0.9319 MILES)

INCLUDED IN THIS MILEAGE ARE APPROXIMATELY 20,115 MANHOLES, ALSO THERE ARE APPROXIMATELY 4695 INLETS AND 11,855 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 THEN THE SEWAGE FLOWS BY GRAVITY TO THE LARGE PUMPING STATION AT ERNEST STREET. 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.

SEWAGE FOR YEAR FROM CRANSTON, JOHNSTON AND NORTH PROVIDENCE. BY SPECIAL ACTS OF THE RHODE ISLAND LEGISLATURE, PARTS OF CRANSTON SEWAGE, AND ALL THE NORTH PROVIDENCE AND JOHNSTON SEWAGE ARE ALLOWED TO ENTER THE CITY OF PROVIDENCE SEWER SYSTEM FOR DISPOSAL AND TREATMENT. SEWAGE COSTS ARE BILLED QUARTERLY AND THE FOLLOWING SHOWS THE AMOUNTS BILLED IN OUR FISCAL YEAR 1961-1962

RECEIVED FROM CRANSTON. (NARRAGANSETT BREWING COMPANY) CONTRACT DATED JUNE 1, 1955 - TERMS \$57.00 PER MILLION GALLONS 106,070,000 GALLONS METERED AND BILLED FOR \$6,045.99

RECEIVED FROM JOHNSTON. CONTRACT DATED MARCH 9, 1956 - TERMS \$57.00 PER MILLION GALLONS, 332,634,200 GALLONS, METERED, ESTIMATED AND BILLED FOR \$18,960.14.

RECEIVED FROM NORTH PROVIDENCE. FLOW MEASURED AND COMPUTED TO EQUAL 2,787,091,090 GALLONS. NEW CONTRACT DATED SEPTEMBER 8, 1959 TERMS \$100,000.00 ANNUALLY. AVERAGE DAILY FLOW EQUALS 7,635,866 GALLONS.

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 SEARCHES, 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 LAYING OF DRAINS AND CESSPOOLS" (WITH THE PROVISION, THAT IT IS NOT REQUIRED BY THE HOLDER OF A STATE LICENSE).

FOR THE CALENDAR YEAR OF 1962 THE DIRECTOR OF PUBLIC WORKS ISSUED LICENSES TO SEVEN DRAIN LAYERS AND TWO SPECIAL FOR SPRINKLER SYSTEM LICENSES. NO LIST OF LICENSED PLUMBERS WAS RECEIVED FROM STATE AUTHORITIES. THERE WAS APPROXIMATELY 3000 TITLES INVESTIGATED FOR ENCUMBRANCES OF DRAINAGE FACILITIES BY TITLE COMPANY INVESTIGATORS, AND 3000 SKETCHES OF PRESENT DRAINAGE INSTALLATIONS GIVEN TO INTERESTED PARTIES. (OWNERS, PLUMBERS AND DRAIN LAYERS.)

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

<u>BIDS SUBMITTED</u>	<u>DESCRIPTIONS</u>	<u>ORDERED BY</u>
DEC. 5, 1961	TWO (2) SNOW LOADERS	HIGHWAY DIV.
DEC. 5, 1961	THREE (3) NEW CONVEYOR BELTS	SANITATION DIV.
JAN. 23, 1962	THREE (3) 4 C.Y. DUMP TRUCKS (30,000#)	HIGHWAY DIV.
JULY 3, 1962	TWO (2) 4 WHEEL DRIVE PICK-UP TRUCKS	SANITATION DEPT.
JULY 3, 1962	ONE (1) 4 C.Y. DUMP TRUCK WITH BUCKET	SEWER DIV.
JULY 3, 1962	RENEWAL OF REFRACTORY LININGS INCINERATOR UNIT #1	SANITATION DIV.

A CONTRACT WAS ENTERED INTO WITH THE ARCHITECTURAL FIRM OF KENT, CRUISE AND ALDRICH ON OCTOBER 15, 1958 FOR THE "PREPARATION OF PLANS AND OTHER ARCHITECTURAL SERVICES" FOR THE "PUBLIC WORKS HIGHWAY OFFICE BUILDING AND GARAGE". THE FINAL FEE WILL APPROXIMATE \$47,000 AND AS OF NOV. 1, 1960 THE ESTIMATED TOTAL PAID EQUALLED \$45,892.74.

THE PUBLIC WORKS HIGHWAY OFFICE BUILDING AND GARAGE IS NOW IN THE PROGRESS OF CONSTRUCTION AT ERNEST ST. ALL EQUIPMENT PLANS AND CONSTRUCTION PLANS SUBMITTED TO DATE BY THE CONTRACTOR WERE APPROVED BY THIS OFFICE AND THE ARCHITECTURAL FIRM OF KENT, CRUISE AND ALDRICH. ALL WORK HAS BEEN INSPECTED AND MONTHLY ESTIMATES FOR PAYMENTS TO THE CONTRACTOR WERE MADE BY THIS OFFICE. THE CONTRACT FOR THE BUILDING AND OTHER INCIDENTAL WORK WAS AWARDED TO JOSEPH P. FLYNN UNDER DATE OF MAY 18, 1959 AND GROUND WAS BROKEN BY THE MAYOR JUNE 4, 1959. THE CONTRACT WAS IN THE AMOUNT OF \$702,422.00 AND AS OF SEPT. 30, 1961 THE ESTIMATED VALUE OF THE WORK COMPLETED EQUALLED \$683,140.56 ON FEB. 20, 1961 THE OFFICE SECTION OF THE BUILDING WAS PERMANENTLY OCCUPIED BY THE HIGHWAY DIVISION. THE GARAGE SECTION IS ALSO OCCUPIED.

PLANS WERE MADE AND SPECIFICATIONS PREPARED BY THE ARCHITECTURAL FIRM OF KENT, CRUISE AND ALDRICH FOR THE PUBLIC WORKS, HIGHWAY DEPT. "STORAGE BINS AND CONVEYING EQUIPMENT." A CONTRACT FOR THIS WORK WAS AWARDED TO "CONVEYORS INCORPORATED" ON SEP. 30, 1960 IN THE AMOUNT OF \$68,691.00. THESE BINS ARE LOCATED JUST EAST OF THE PUBLIC WORKS HIGHWAY OFFICE BUILDING AND GARAGE, AND AS OF OCTOBER 1, 1961 THE ESTIMATED VALUE OF THE WORK COMPLETED EQUALLED \$69,844.65.

AT MUNICIPAL WHARF- A CONTRACT WAS ENTERED INTO WITH FENTON G. KEYES ASSOCIATES ON JUNE 10, 1959 FOR THE PLANS AND SPECIFICATIONS FOR THE SOUTHERLY EXTENSION OF THE SEA WALL, AND AS OF OCTOBER 1961, ESTIMATE NO. 5, PARTIAL PAYMENTS EQUALLED \$75,072.00.

AT MUNICIPAL WHARF - A CONTRACT WAS ENTERED INTO WITH THE M.A. GAMMINO CONSTRUCTION CO. FOR "THE BULKHEAD EXTENSION OF MUNICIPAL WHARF". THE CONTRACT WAS DATED JULY 18, 1960 AND IN THE AMOUNT OF \$1,565,445.00 BASED ON UNIT PRICES. THE DREDGING WORK IN CONNECTION WITH THIS CONTRACT WAS STARTED SEPT. 28, 1960, AND INCLUDED WAS DREDGING AT THE PRESENT WALL OF 23000 CU. YDS. AT THE SAME UNIT PRICE. AS OF SEPT. 30, 1961 THE ESTIMATED VALUE OF THE WORK COMPLETED EQUALLED \$1,709,786.94.

ADDED TO THIS CONTRACT BY THE BOARD OF CONTRACT AND SUPPLY MAR 14, 1961 WAS AN ADDITIONAL FIFTY (50) FOOT EXTENSION MAKING THE TOTAL LENGTH OF THE WALL 450 FEET.

PLANS WERE PRESENTED FOR APPROVAL OF A PEDESTRIAN TUNNEL UNDER PINE STREET CONNECTING THE OUTLET DEPARTMENT STORE AND PROPOSED PARKING GARAGE BUILDING BY THE ARCHITECTURAL FIRM OF F. P. SHELDON & SON, THE BAILEY CONSTRUCTION COMPANY WAS THE CONTRACTOR, THE PROJECT WAS COMPLETED JULY 1962. IN THE COURSE OF CONSTRUCTION ABOUT TWENTY FEET OF THE OLD 20 INCH BRICKSEWER HAD TO BE REPLACED WITH 20 INCH EXTRA STRENGTH VITRIFIED CLAY PIPE DUE TO ITS UNSATISFACTORY CONDITION. PERMISSION WAS GRANTED TO BUILD THE TUNNEL BY CITY COUNCIL RESOLUTION #299 DATED MAY 18, 1962.

AT THE MUNICIPAL WHARF A PERMIT WAS GRANTED BY THE U. S. ARMY ENGINEER DIVISION AND ALSO BY THE STATE OF RHODE ISLAND TO CONSTRUCT AND MAINTAIN A SAND AND GRAVEL DIKE IN PROVIDENCE (HARBOR) RIVER BASED ON OUR PLAN DATED FEBRUARY 26, 1959 AND REVISED MAY 8, 1959. PERMIT IS DATED JULY 6, 1959 AND IF WORK IS NOT COMPLETED BEFORE DECEMBER 31, 1962 THE PERMIT BECOMES NULL AND VOID. THIS CONSTRUCTION IS OF A CONTINUING NATURE WITH THE FACING OF THE FILLED MATERIAL CONSTRUCTED OF ROADWAY BASE FROM CITY CONSTRUCTION PROJECTS, OR ANY OTHER SUITABLE MATERIAL MADE AVAILABLE BY CONTRACTORS.

MANY CONFERENCES WERE HELD WITH ENGINEERS, MAKING SPECIAL STUDIES FOR FLOOD CONTROL, IN CONNECTION WITH THE PROPOSED "FOX POINT HURRICANE BARRIER". THE CITY RECORD PLANS WERE MADE AVAILABLE FOR PHOTOSTATING FOR THE PREPARATION OF CONSTRUCTION PLANS.

THE FOLLOWING ENGINEERS ARE ENGAGED ON THIS PROJECT:

UNITED STATES ARMY ENGINEERS, BOSTON, MASS. INCLUDING THE REAL ESTATE DIVISION.
ENGINEERS, FENTON G. KEYES, ASSOCIATES, PROVIDENCE, R.I.
ENGINEERS, CHARLES A. MAGUIRE & ASSOCIATES, PROVIDENCE, R.I.
GEOLOGIST AND ENGINEER, FRANK E. FAHLQUIST, PROVIDENCE, R.I.

MANY CONFERENCES WERE HELD IN CONNECTION WITH THE PROVIDENCE FREEWAYS, WITH THE PUBLIC WORKS DEPT. OF THE STATE OF RHODE ISLAND IN REGARD TO THE DISPOSAL OF STORM WATERS FROM THE VARIOUS HIGHWAYS AND ALL SEWER SIZES AND CONNECTIONS TO THE CITY SEWERS WERE APPROVED. SOME OF THIS WORK IS NOW IN CONSTRUCTION.

THE VARIOUS PROJECTS ARE NAMED AS FOLLOWS WITH THE ENGINEERS ENGAGED IN THE PREPARATION OF THE PLANS AND SPECIFICATIONS.

"INTERSTATE ROUTE 95", CHARLES A. MAGUIRE & ASSOCIATES, PROVIDENCE, R.I.
"ROUTE 6 EXPRESSWAY", EDWARDS AND KELSEY, PROVIDENCE, R.I.

PLANS AND SPECIFICATIONS WERE MADE BY "FENTON C. KEYES ASSOCIATES" FOR THE MASHAUG POND REDEVELOPMENT AND FULL CO-OPERATION WAS GIVEN BY THIS DEPARTMENT AND ANY PLANS SUBMITTED WERE CHECKED OVER. A CONTRACT FOR THIS WORK WAS AWARDED TO M. A. GAMMINO CONSTRUCTION COMPANY. THE CONTRACT WAS DATED AUG. 24, 1962 AND IN THE AMOUNT OF \$1,510,547.79.

THIS PROJECT IS NOW UNDER CONSTRUCTION.

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

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

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

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

RESPECTFULLY SUBMITTED,

ROBERT B. STRONG
CHIEF OF THE ENGINEERING OFFICE

CONSTRUCTION & 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, 1962. THIS DIVISION CONSISTS OF THE CONSTRUCTION AND MAINTENANCE ADMINISTRATION AND THE FOLLOWING SECTIONS: HIGHWAY, BRIDGE MAINTENANCE, DRAW BRIDGE OPERATION, SIDEWALK AND CURBING, FORESTRY, SNOW REMOVAL, SEWER CONSTRUCTION AND MAINTENANCE, PUBLIC BUILDINGS, STREET LIGHTING, CONSTRUCTION AND MAINTENANCE SHOPS AND STORES, AND SEWER CONSTRUCTION AND MAINTENANCE SHOPS AND STORES.

THE EXPENDITURES OF THE ADMINISTRATION SECTION WERE AS FOLLOWS:

ITEM 0	PERSONAL SERVICES	\$9,490.00
ITEM 1	SERVICES OTHER THAN PERSONAL	840.00
ITEM 2	MATERIALS & SUPPLIES	
	TOTAL	<u>\$10,330.00</u>

HIGHWAY SECTION

THE MAIN DUTY OF THIS SECTION IS THE MAINTENANCE OF APPROXIMATELY 340 MILES OF PAVED STREETS, INCLUDING THE REPAIRING, PATCHING, SEALCOATING, SURFACING, RESURFACING OR RECONSTRUCTION OF HIGHWAYS AND THE SETTING, RESETTING OR REPLACING OF GRANITE CURBING. THIS SECTION ALSO CONSTRUCTS NEW HIGHWAYS WHEN ORDERED AND PERFORMS MISCELLANEOUS JOBS FOR OTHER SECTIONS OF THE DEPARTMENT OF PUBLIC WORKS AS WELL AS FOR OTHER CITY DEPARTMENTS.

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$ 767,489.19
ITEM 1	SERVICES OTHER THAN PERSONAL	159,304.76
ITEM 2	MATERIALS AND SUPPLIES	<u>110,823.00</u>
	TOTAL	\$1,037,661.95

REVENUE \$ 34,242.30

STREETS REPAIRED & SURFACED OR RESURFACED

NAME	FROM	TO
BURLINGTON STREET	LORIMER AVENUE	HOPE STREET
METHYL STREET	LORIMER AVENUE	HOPE STREET
DANA STREET	CAMP STREET	HOPE STREET
LEWIS STREET	HOPE STREET	MORRIS AVENUE
EAST MANNING STREET	GOVERNOR STREET	GANO STREET
EIGHTH STREET	NO. MAIN STREET	HIGHLAND AVENUE
EIGHTH STREET	SUMMIT AVENUE	HOPE STREET
FISHER STREET	HOPE STREET	MORRIS AVENUE
MUTUAL PLACE	BURLINGTON STREET	ROCHAMBEAU AVENUE
HIGHLAND AVENUE	2ND STREET	4TH STREET
HIGHLAND AVENUE	8TH STREET	9TH STREET
WAYLAND AVENUE	PITMAN STREET	WATERMAN STREET
DUNCAN AVENUE	NORTH MAIN STREET	KNOWLES STREET

NAME	FROM	TO
NINTH STREET	NORTH MAIN STREET	HOPE STREET
BRAMAN STREET	HOPE STREET	MORRIS AVENUE
NORTHUP AVENUE	SILVER SPRING STREET	HALL STREET
VEAZIE STREET	DOUGLAS AVENUE	O'NEIL STREET
BARBERRY HILL	ARLINGTON AVENUE	FREEMAN PARKWAY
GODDARD STREET	DOUGLAS AVENUE	CANDACE STREET
FILMORE STREET	DOUGLAS AVENUE	ADMIRAL STREET
JENKINS STREET	NO. MAIN STREET	CAMP STREET
WHIPPLE STREET	DOUGLAS AVENUE	ADMIRAL STREET
BERKSHIRE STREET	DOUGLAS AVENUE	SALINA STREET
COMMODORE STREET	SILVER SPRING STREET	BRANCH AVENUE
LISBON STREET	REGENT AVENUE	CHALKSTONE AVENUE
VANDEWATER STREET	DOUGLAS AVENUE	BRANCH AVENUE
REGENT AVENUE	RIVER AVENUE	LISBON STREET
OREGON STREET	WHIPPLE STREET	FILMORE STREET
PLEASANT VALLEY PARKWAY	OAKLAND AVENUE	CONVENT STREET
NAHANT STREET	CHARLES STREET	RUSSO STREET
BROWN STREET	GEORGE STREET	POWER STREET
COWPER COURT	MESSER STREET	DEAD END
DEVONSHIRE STREET	ADMIRAL STREET	SUNBURY STREET
RIVER AVENUE	SMITH STREET	EATON STREET
RIVER AVENUE	JOY STREET	BRADLEY STREET
GARFIELD STREET	ENTIRE LENGTH	
SUNBURY STREET	VEAZIE STREET	WEST OF CUMBERLAND
OLD ROAD	SMITH STREET	MR. PLEASANT AVENUE
WALLER STREET	CHALKSTONE AVENUE	METROPOLITAN ROAD
BALMORAL AVENUE	RIVER AVENUE	DEAD END
HYMER STREET	GRANDALL STREET	RIVER AVENUE
CANNONCHET AVENUE	MT. PLEASANT AVENUE	WINTHROP AVENUE
MOWRY STREET	DOUGLAS AVENUE	CHAPIN HOSPITAL
PLANET STREET	SOUTH WATER STREET	SOUTH MAIN STREET
LINTON STREET	ACADEMY AVENUE	CANTON STREET
PACKETT STREET	SOUTH WATER STREET	SO. MAIN STREET
HAYMARKET STREET	CANAL STREET	NO. MAIN STREET
UNION AVENUE	LAUREL HILL AVENUE	POCASSET AVENUE
PORTER STREET	EDDY STREET	RUGBY STREET
YORKTOWN PLACE	LINTON STREET	DEAD END
HOOPER PLACE	LINTON STREET	DEAD END
SOUTH WATER STREET	AT PACKETT STREET	
VANDEWATER STREET	DOUGLAS AVENUE	BRANCH AVENUE
BREWSTER STREET	FOURTH STREET	SUMMIT AVENUE
EXETER STREET	SUMMIT AVENUE	GLENDALE AVENUE
GLENDALE AVENUE	SUMMIT AVENUE	HOPE STREET

STREETS STARTED 1960-61 - COMPLETED 1961-62

NAME	FROM	TO
GOVERNOR STREET	WATERMAN STREET	ANGELL STREET
CYPRESS STREET	NORTH MAIN STREET	HOPE STREET
LAURESTON STREET	HOPE STREET	LORIMER AVENUE
ABBOTT STREET	NORTH MAIN STREET	CAMP STREET
GRANDVIEW STREET	NORTH MAIN STREET	IVY STREET
ROYAL STREET	NORTH MAIN STREET	KNOWLES STREET
BELAIR AVENUE	LARCH STREET	PHILLIPS STREET

STREETS STARTED 1960-61 - COMPLETED 1961-62

NAME	FROM	TO
BARNES STREET	PROSPECT STREET	THAYER STREET
COLONIAL ROAD	NORTH MAIN STREET	GLENDALE AVENUE
WINTHROP AVENUE	CHALKSTONE AVENUE	METROPOLITAN ROAD
GENTIAN AVENUE	TEXAS STREET	CITY LINE
ALMIRA STREET	IMERA STREET	ALDINE STREET
KENTLAND AVENUE	ADMIRAL STREET	GENTIAN AVENUE
SPARROW STREET	RUGGLES STREET	OAKLAND AVENUE
RUGGLES STREET	CHAD BROWN STREET	SMITH STREET
OXFORD STREET	OCEAN STREET	PRAIRIE AVENUE

PATCHING AND REPAIRING SUNDRY STREETS

PATCHING MATERIALS USED FOR TEMPORARY REPAIRS WERE PURCHASED FROM PRIVATE VENDORS. APPROXIMATELY 340 MILES OF HIGHWAY WERE MAINTAINED DURING THE FISCAL YEAR. MATERIALS USED ON GENERAL PATCHING AND REPAIRING WERE AS FOLLOWS:

READY MIXED CONCRETE...86.5 CU. YDS.	CRUSHED STONE.....121.40 TONS
A.C. MIX.....1411.12 TONS	KEROSENE804 GALS.
CRUSHED GRAVEL..... 102.00 TONS	SAND.....314 TONS

MATERIALS USED ON SURFACING AND RESURFACING WERE AS FOLLOWS:

A.C.MIX.....	19,329.43 TONS
CEMENT.....	45 BAGS
CRUSHED STONE 2".....	278.50 TONS
KEROSENE.....	6,320 GALLONS
SAND.....	412.62 TONS

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

CEMENT.....	761 BAGS
GRAVEL 1-1/2".....	211.00 TONS
SAND.....	402.00 TONS
A.C. MIX.....	263.20 TONS

DRIVEWAYS & CURBING

DRIVEWAYS ALTERED.....	1
DRIVEWAYS CONSTRUCTED.....	249
DRIVEWAYS WIDENED.....	40
DRIVEWAYS CLOSED.....	19
2' CIRCULAR CORNERS SET...	379
S. B. CORNERS SET.....	97
CURB SET AND RESET.....	7933 FT.
DRIVEWAYS RELOCATED.....	24

MISCELLANEOUS WORK

DURING THE PAST YEAR THE HIGHWAY SECTION PERFORMED SERVICES FOR THE 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 & FIRE DEPARTMENT, CHAPIN HOSPITAL, RHODE ISLAND HOSPITAL, MUNICIPAL GARAGE AND TRAFFIC ENGINEERING. AND, A LIST OF THE WORK PERFORMED IS AS FOLLOWS:

1. GRADING BASEBALL FIELDS AT THE FOLLOWING GROUNDS: CYPRESS ST. PLAYGROUND, FOX POINT PLAYGROUND, RICHARDSON ST. PLAYGROUND, VALLEY STREET PLAYGROUND, LAUREL HILL PLAYGROUND, DEXTER TRAINING GROUNDS, NEUTACONKANUT PARK, HOPKINS PARK, JOSEPH WILLIAMS FIELD, MOUNT PLEASANT PARK, BUCKLIN STREET PLAYGROUND, VEAZIE STREET PLAYGROUND, ROGER WILLIAMS PARK, ASCHAM PARK, MT. PLEASANT HIGH SCHOOL FIELD, PROVIDENCE GAS COMPANY FIELD, DAVIS PARK, QUAID STREET PLAYGROUND, GARIBALDI PLAYGROUND, RIDGE STREET PLAYGROUND, MUNICIPAL GOLF COURSE AND HAWKINS STREET FIELD.
2. REPAIRING ROADS AT MUNICIPAL DOCK AND HAULING FILL FOR GANO STREET, FIELDS POINT AND MANTON AVENUE DUMPS.
3. GRADED DUMPS AT FIELDS POINT, GANO STREET, MOUNT PLEASANT AVENUE, SMITH STREET, MANTON AVENUE AND HARTFORD AVENUE.
4. RESURFACED ROADWAYS IN ROGER WILLIAMS PARK.
5. ERECTED AND REMOVED BANDSTANDS FOR COLUMBUS DAY, ARMISTICE DAY AND LABOR DAY CELEBRATIONS, ALSO FOR VARIOUS VETERANS AND CIVIC ORGANIZATIONS FOR DEDICATIONS AND MEMORIALS.
6. DECORATED CITY OF PROVIDENCE FOR CHRISTMAS AND FOURTH OF JULY CELEBRATIONS.
7. SET UP AND REMOVED EQUIPMENT AT THE VARIOUS VOTING PLACES IN THE CITY OF PROVIDENCE FOR THE BOARD OF CANVASSERS.
8. REMOVED RUBBISH FROM CITY HALL.
9. WORKED ON THE REMOVAL OF LARGE SAND HILL ON LAND LEASED BY THE SUN OIL COMPANY AT FIELDS POINT.
10. MOVED AND PUT IN STORAGE THE PERSONAL BELONGINGS AND FURNITURE OF MANY FAMILIES EVICTED BY THE COURTS AND BEING HELPED BY THE WELFARE DEPARTMENT.
11. PERFORMED PERMANENT MAINTENANCE ON THE FOLLOWING STREETS:

ELMWOOD AVENUE
GENTIAN & WANSKUCK
CHARLES & NICHOLS
NARRAGANSETT AVENUE
CUSTOM HOUSE STREET
LAUREL HILL AVENUE
DELAINÉ ST. BRIDGE - REPLACE CURB
PARKING AREA - CHAPIN HOSPITAL
PARKING AREA - HIGHWAY YARD
12. BUILT NEW GRANITE RETAINING WALL AT WESTERLY END OF ROCKINGHAM STREET.
13. BUILT DIKE AND CLEANED UP SEWAGE SLUDGE AT FIELDS POINT.

LAWNS AND GRASS PLANTS MAINTAINED

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

EIGHT ST. & LORIMER AVE.
SLATER AVE. AND GOLDSMITH ST.
SEWER DISPOSAL GROUNDS
EDDY ST. AND SHIP STREET
MARKET SQUARE
CEMETERY STREET
PITMAN STREET
GOVERNOR ROBERTS EXPRESSWAY

BRIDGE MAINTENANCE SECTION

THIS SECTION IS RESPONSIBLE FOR THE REPAIR AND MAINTENANCE OF ALL CITY-OWNED BRIDGES. THE EXPENDITURES OF THE SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$44,672.84
ITEM 1 SERVICES OTHER THAN PERSONAL	6,012.57
ITEM 2 MATERIALS AND SUPPLIES	<u>8,032.14</u>
TOTAL	\$58,717.55

REVENUE	\$ 85.00
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THERE ARE 57 CITY-OWNED BRIDGES, OF WHICH THE FOLLOWING 25 REQUIRED WORK THIS YEAR:

ACORN STREET BRIDGE	MERINO BRIDGE (GLENBRIDGE AVE.)
HARRIS AVENUE OVERPASS	MERINO PARK FOOTBRIDGE
FRANCIS STREET BRIDGE	NASH LANE BRIDGE (PETTIS ST.)
PLAINFIELD ST. OVERPASS	PARK STREET BRIDGE
MAGNOLIA ST. OVERPASS	RED BRIDGE
BURNSIDE BRIDGE	POINT STREET BRIDGE
POINT ST. BRIDGE	CEMETERY STREET BRIDGE
ROGER WILLIAMS AVENUE BRIDGE	SMITH STREET BRIDGE
DELAINE STREET BRIDGE	ADELAIDE AVE. FOOTBRIDGE
DYER STREET BRIDGE	CRAWFORD STREET BRIDGE
CANAL STREET BRIDGE	COURTHOUSE FOOTBRIDGE
MANTON BRIDGE	POST OFFICE BRIDGE

GASPEE ST. BRIDGE

THE FOLLOWING WORK ALSO WAS DONE:

1. REPAIRED SIDEWALKS ON THE FOLLOWING BRIDGES: RED, POINT, GLENBRIDGE AVE., ROGER WILLIAMS AVENUE, PARK STREET, LIVINGSTONE STREET, ACORN STREET, DELAINE STREET, WEYBOSSET AND CEMETERY STREET.
2. REPAIRED ROADWAYS ON ACORN STREET, LIVINGSTONE STREET, PARK STREET, SMITH STREET AND CEMETERY STREET.
3. REPAIRED LELAND STREET, MERINO PARK, ADELAIDE AVENUE AND COURTHOUSE FOOTBRIDGES.
4. CAULKED AND PAINTED BOATS FOR RED BRIDGE AND BRIDGE MAINTENANCE SECTION.
5. PAINTED POINT STREET VIADUCT.
6. PAINTED BRIDGES IN POST OFFICE SQUARE, MARKET SQUARE, CRAWFORD STREET, ETC.

7. REPAIRED BREAKS IN FENCES ON BOTH KINGSLEY AVENUE AND PROMENADE STREET DAMAGED BY AUTOMOBILES.
8. PAINTED BRIDGES ON OLNEYVILLE EXPRESSWAY.
9. REPAIRED STOVE AND DOORS TO OPERATING HOUSE AT RED BRIDGE.
10. PAINTED GUARDRAILS ON ROBERTS EXPRESSWAY.
11. REPAIRED GUARDRAIL ON RAMP APPROACH TO DEPASQUALE AVENUE BRIDGE OVER NEW HAVEN RAILROAD TWICE.
12. REPAIRED PLANK ROADWAYS IN BOTH PARK STREET AND ACORN STREET BRIDGES.
13. REBUILT TWO AND REPAIRED STEEL EXPANSION JOINTS ON MANTON AND GASPEE STREET BRIDGES.
14. REPAIRED FOUR HYDRANTS AND ONE BREAK IN WATER MAIN AT FIELDS POINT.
15. REBUILT TWO GEARS ON OPERATING MECHANISM ON RED BRIDGE.
16. REPAIRED EXPANSION JOINT ON POINT STREET VIADUCT.
17. PAINTED OFFICES AND LAID NEW TILE FLOORS IN OFFICES OF SEWER MAINTENANCE BUILDING.
18. REBUILT BOILER IN SEWER MAINTENANCE BUILDING.
19. REPAIRED FIVE BREAKS IN GUARDRAIL ON ROBERTS EXPRESSWAY, BROKEN IN TRAFFIC ACCIDENTS.
20. RELAID NEW 3" WATER LINE TO WASHINGTON PARK PUMPING STATION.
21. LAID NEW 8" SEWER AT FISH PIER-MUNICIPAL DOCK.
22. DROVE NEW PILES AND REPAIRED SOUTH HALF OF SMITH ST. BRIDGE.
23. REPAIRED STEEL CURB AND FENCE ON WASHINGTON ROW BRIDGE.
24. REINFORCED STEEL BEAMS ON RED BRIDGE BY PLACING TWO NEW WOOD BEAMS (ONE ON EITHER SIDE) BESIDE EACH STEEL BEAM. THERE ARE NOW 60 WOOD BEAMS HELPING TO SUPPORT RED BRIDGE.

SIDEWALK AND CURBING SECTION.

THIS SECTION IS RESPONSIBLE FOR THE CONDITION OF ALL SIDEWALKS IN THE CITY. IT SERVES NOTICES ON PROPERTY OWNERS FOR THE REPAIRS, 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 AND MEMORIAL SQUARE SIGNS.

EXPENDITURES.

ITEM 0 PERSONAL SERVICE	\$19,477.58
ITEM 1 SERVICE OTHER THAN PERSONAL	3,522.07
ITEM 2 MATERIALS AND SUPPLIES	<u>1,012.81</u>
TOTAL	\$24,012.46

REVENUE:	
SIDEWALK CONTRACTOR'S LICENSES	\$ 540.00

THE OPERATIONS OF THIS SECTION WERE AS FOLLOWS:

SIDEWALK CONTRACTORS' LICENSES ISSUED	54
NOTICES SERVED TO BUILD OR REPAIR	143
BUILT OR REPAIRED	85
PERMITS TO BUILD OR REPAIR	532
SEWER OPENINGS INSPECTED	164
DRIVEWAYS INSPECTED	257
MEMORIAL SQ. SIGNS REPAIRED & RELETTERED	40
MEMORIAL SQUARES APPROVED BY COUNCIL	1
SIDEWALKS INSPECTED AFTER INSTALLATION OF NEW WATER SERVICES	189
STREETS ABANDONED BY COUNCIL AND SIGNS ERECTED	41
WASHOUT DEPRESSIONS INSPECTED AND REPAIRED	205
SIDEWALK CLAIMS INVESTIGATED	29
STREET SIGNS REPAINTED AND RELETTERED	125
STREET NAMES CHANGED BY COUNCIL	4
POLE OPENINGS INSPECTED	116
TOTAL LIN. FT. OF TAR CONCRETE SIDEWALKS BUILT	25,247
TOTAL LIN. FT. OF CEMENT SIDEWALKS BUILT	15,626

THIS SECTION REPLACED 1170 DEFECTIVE STREET SIGNS WITH NEW BLACK AND WHITE METAL SIGNS.

THIS SECTION ALSO MADE A SURVEY OF ALL SIDEWALK CONDITIONS IN CONJUNCTION WITH THE ROAD BUILDING AND RESURFACING PROGRAM.

FORESTRY SECTION

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

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$76,860.19
ITEM 1 SERVICES OTHER THAN PERSONAL	18,265.70
ITEM 2 MATERIALS AND SUPPLIES	4,187.19
ITEM 5 CAPITAL OUTLAY	554.48
TOTAL	<u>\$99,867.56</u>

REVENUE \$452.88

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

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

MOST OF THE 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

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

426 DISEASED ELM STREETS WERE CONDEMNED AND REMOVED THIS YEAR. 225 OF THESE TREES WERE ON CITY STREETS AND 201 ON PRIVATE PROPERTY. THE FORESTRY SECTION REMOVED 57 TREES AND THE REMAINDER WAS TAKEN DOWN UNDER PRIVATE CONTRACT.

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

FORESTRY SECTION	57
SAMUEL KINDER BROS. (CITY STREETS)	225
SAMUEL KINDER BROS. (PRIVATE PROPERTY)	<u>144</u>
TOTAL	426

THE NURSERY AT ROGER WILLIAMS PARK CONSISTS OF PIN OAK AND UPRIGHT MAPLES. THE CULTIVATION AND GROWTH OF THESE TREES ARE PROGRESSING WELL AND MORE LAND HAS BEEN CLEARED AND CULTIVATED FOR THE 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 246 TREES IN THE NURSERY.

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

NUMBER OF TREES PRUNED (REGULAR)	4,822
NUMBER OF TREES REMOVED (REGULAR)	1,311
NUMBER OF TREES SPRAYED	1,857
NUMBER OF TREES PLANTED	1,514

SNOW REMOVAL

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$146,905.79
ITEM 1 SERVICES OTHER THAN PERSONAL	64,131.13
ITEM 2 MATERIALS & SUPPLIES	<u>61,227.49</u>
TOTAL	\$272,264.41

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 NOS. 1,2 AND 3 BY THE INCINERATOR TRUCKS.
WARDS NOS. 7 AND 8 BY RUBBISH TRUCKS.
WARDS NOS. 9 AND 10 BY SEWER MAINTENANCE TRUCKS.
WARDS, 4,5,6,11,12 AND 13 BY HIGHWAY TRUCKS C&M-5

FOR THE FISCAL YEAR 1961-62 THE CITY HAD 13 SNOW STORMS. THE FIRST ON NOVEMBER 20TH, 1961, AND THE LAST ON FEBRUARY 24TH, 1962, WITH A TOTAL ACCUMULATION OF 46.7 INCHES. DURING THIS PERIOD THE FOLLOWING WORK WAS COMPLETED:

SANDING STREETS	15,598 MILES
PLOWING STREETS	15,583 MILES
REMOVAL OF SNOW (BUSINESS AREA, CHURCHES AND FUNERAL HOMES)	38,091 CU. YDS.

THE FOLLOWING MATERIALS WERE USED DURING THE YEAR:

SAND	12,270.67 TONS
SALT	3,150 TONS

THIRTY-SEVEN (37) LABORERS, WORKING 415 MAN HOURS, WERE HIRED FOR THE REMOVAL OF SNOW, AND THE FOLLOWING EQUIPMENT WAS HIRED FROM PRIVATE CONTRACTORS:

TRUCKS	60	HOURS	851
F.E. LOADERS	3	HOURS	51½

SEWER CONSTRUCTION & MAINTENANCE SECTION

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

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$ 320,364.93
ITEM 1 SERVICES OTHER THAN PERSONAL	62,295.67
ITEM 2 MATERIALS AND SUPPLIES	20,526.74
ITEM 5 CAPITAL OUTLAY	\$ 222.48
TOTAL	\$ 403,409.82
REVENUE	\$ 2,236.18

MAINTENANCE AND CONSTRUCTION WORK PERFORMED.

MANHOLES REBUILT AND REPAIRED	22
DEFECTIVE OR BROKEN MANHOLE COVERS REPLACED	36
CHUTES REPAIRED OR REBUILT	51
CATCH BASIN COVERS REPLACED	29
CATCH BASINS REPAIRED OR REMODELED	26
BROKEN GUTTER GRATES REPLACED	22
BROKEN INLET STONES REPLACED	41
TRAPS REPLACED AND/OR REPAIRED	45
MANHOLE FRAMES REPLACED AND/OR REPAIRED	13
CATCH BASIN FRAMES REPLACED OR RESET	8
MANHOLE COVERS AND FRAMES RESET	40
SEWER LINES AND CONNECTIONS REPAIRED	27
MANHOLES CLEANED BY HAND	34
NEW CATCH BASINS BUILT	2
STANDPIPES REBUILT	2
NEW MANHOLES BUILT	5
NEW GUTTER GRATES BUILT	5

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

BASIN INSPECTIONS	26,100
9435 CATCH BASINS CLEANED	18,023.82 CU. Yds.
139 SUMPS CLEANED	556 " "
1310 GUTTER GRATES CLEANED	786 " "
2750 COMPLAINTS RECEIVED	ALL CLEARED
SEWER LINES FLUSHED	24,765 FEET
20 OPEN DRAINS CLEANED	337 FEET

FOLLOWING IS A RESUME OF PRIVATE DRAIN INSPECTIONS MADE IN
CONJUNCTION WITH PRIVATE DRAIN CONSTRUCTION & ALTERATIONS:

STREET OPENINGS FOR PRIVATE DRAIN CONNECTIONS 73

INSPECTION AND RECORD SKETCHES FOR PRIVATE DRAIN CONSTRUCTION
AND ALTERATIONS:

ORIGINAL 227 EXTENSIONS 338

WORK PERFORMED IN CONJUNCTION WITH HIGHWAY SECTION.

CATCH BASINS BROUGHT TO GRADE	24
MANHOLES BROUGHT TO GRADE	399
HOUSE CONNECTIONS TO GRADE	1

SPECIAL WORK

VALLEY & DELAINE STREETS - AFTER RECEIVING COMPLAINTS OF FLOODED BASEMENTS AT THIS LOCATION, AND AFTER EXCAVATING DOWN TO THE SEWER LINE, EXAMINATION SHOWED THAT THE SEWER LINES ON VALLEY AND DELAINE STREETS WERE BLOCKED. FULL CREWS, WITH A NUMBER OF PUMPS, COMPRESSORS AND OTHER EQUIPMENT WERE PUT ON THE JOB. THEY REMOVED A LARGE QUANTITY OF DEBRIS, CONSISTING OF PARTS OF RAILROAD TIES, WASTE WOOL, SCRAP WIRE, RAGS, ETC. OUR CREWS AND EQUIPMENT WERE KEPT CONSTANTLY AT THIS LOCATION FROM JULY 10TH, WHEN THE TROUBLE WAS REPORTED, TO JULY 27TH, 1962, WHEN THE STOPPAGE WAS CLEARED AND SEWERAGE RAN FREELY IN THE LINES. A CLEAN-UP CREW WAS THEN DISPATCHED TO THE SCENE AND THEY CLEANED FOUR BASEMENTS FROM JULY 24TH TO JULY 27TH, AND ON JULY 30TH AND 31ST. THE LATTER CREW REMOVED FOUR LOADS OF DEBRIS AND DIRT FROM THESE BASEMENTS AND APPLIED A QUANTITY OF DISINFECTANT.

POINT AND EDDY STREETS - BECAUSE OF A BREAK IN THE WATER LINE AT THIS LOCATION, OUR SEWER LINE WAS UNDERMINED, CAUSING TO BREAK ALSO. BROKEN SEWER PIPES WERE REPLACED AND MANHOLES REBUILT. ALSO, WE BROKE INTO BRICK SLOT CHAMBER AND REPLACED TWO 12" ANGLE PIPES; AND ELIMINATED OLD SLOT LINE AND REPLACED SAME WITH NEW 12" CLAY PIPE LINE. IN CONNECTION WITH THIS JOB OF REPAIRS WE DUG OUT FROM THE SEWER LINE AND LAID APPROXIMATELY THREE CUBIC YARDS OF CONCRETE TO SUPPORT THE BOTTOM OF THE SEWER LINE. ALSO, WE REBUILT 10 FEET OF INVERT WITH 8" BRICK WORK, REBUILT ARCH OF SEWER AND REPLACED THIS GATE IN MANHOLE. FURTHER, WE REPLACED TWO 12" SEWER LINE CONNECTIONS. THIS JOB WAS STARTED AUGUST 24TH AND COMPLETED SEPTEMBER 23RD, 1962.

MASHPAUG POND - RESERVOIR AVENUE & WELLINGTON AVENUE - REMOVED APPROXIMATELY 15 CORDS OF TRASH WOOD AND GENERAL DEBRIS FROM SCREEN AT OUTLET ON RESERVOIR AVENUE AND AT CULVERT AT WELLINGTON AVENUE.

ROGER WILLIAMS PARK - REPAIRED BREAK IN SANITARY SEWER LINE EAST OF POLO LAKE. THIS JOB REQUIRED EXCAVATION 65' LONG, 6' WIDE AND 8' DEEP - A TOTAL OF MORE THAN 3100 CUBIC FEET OF EXCAVATION; AND THE LAYING OF 36 FEET OF 24" SEWER PIPE.

BLACKSTONE BOULEVARD - DUG A DITCH 6' WIDE X 8' LONG AND 12' DEEP IN ENDEAVOR TO LOCATE A REPORTED BREAK IN SEWER LINE. HOWEVER, FOUND THAT THE LINE WAS OF GOOD APPEARANCE AND NO ACTUAL BREAK EXISTED.

PITMAN STREET (SO CALLED) - IN CONNECTION WITH THE GENERAL REVAMPING OF SEWER LINE AT THIS LOCATION WE EXCAVATED A TOTAL OF 452 CUBIC YARDS AND BUILT THREE NEW MANHOLES. OUR CREWS WORKED ON THIS JOB (THIS FISCAL YEAR) FROM JANUARY 1ST TO MAY 31ST., 1962, AT WHICH TIME THE WORK WAS SUSPENDED AND THE JOB GIVEN OVER TO CONTRACTOR.

IN CONNECTION WITH THIS JOB OF REPAIRS, APPROXIMATELY 740 YARDS OF DIRT WAS REMOVED FROM THE SEWER LINE.

SNOW PLOWING - THIS SECTION, AS USUAL, ASSISTED THE HIGHWAY DEPT. IN THE PLOWING OF SNOW FROM ROADWAYS. WE PLOWED A TOTAL OF APPROXIMATELY 2584 MILES OF ROADWAY.

RUTHERGLEN AVENUE - DUG UP THE STREET TO FREE STANDPIPE CONNECTION. WE FREED AND FLUSHED THIS CONNECTION, REPAIRED THE BRICK WORK OVER STANDPIPE AND BACK FILLED.

MARY FOGARTY SCHOOL - REMOVED MANHOLE AT THIS LOCATION.

UNIT STREET & MANTON AVENUE - FILLED IN OPENING IN CHUTE STONE WITH APPROXIMATELY ONE YARD OF FILL.

POND STREET - REPAIRED OPEN JOINT IN SEWER LINE.

MELROSE STREET - CLEANING MAINLINE OF APPROXIMATELY 37 YARDS OF DIRT AND FLUSHED A TOTAL OF 450 FEET.

BROADWAY - REMOVED STONES AND ASPHALT FROM MAIN LINE, AND ALSO FLUSHED THE LINE.

EAST GEORGE STREET - INSTALLED ONE 12" X 6" BRANCH IN MAIN LINE.

ADMIRAL STREET AND DOUGLAS AVENUE - FREED AND REBUILT SLOT THAT WAS DEPOSITING SEWERAGE INTO STORM LINE THAT RUNS THRU THAT AREA NEAR STATE VOCATIONAL SCHOOL.

BAY STREET - POLICE DEPARTMENT REPORTED THE FLOODING OF BASEMENT AT 166 BAY STREET. AN IMMEDIATE CHECK SHOWED THAT THE SANITARY LINE WAS BLOCKED, AND OUR EMERGENCY CREW REMOVED AN ACCUMULATION OF RAGS, WOOD, DIRT, ETC., FROM THE LINE, THUS RELIEVING IT SO THAT THE SEWERAGE RAN FREELY AND THE FLOODING STOPPED.

REAR OF BUTLER HOSPITAL - STARTED REPAIRS TO BROKEN SEWER LINE WHICH RUNS ALONG THE SHORE OF THE SEEKONK RIVER. MADE SOME QUICK REPAIRS SO AS TO STOP THE EMANATION OF FOUL ODOR WHICH HAD BROUGHT COMPLAINTS FROM RESIDENTS IN THAT SECTION. CONSIDERABLE REPAIR WORK REQUIRED, AND DETAILS OF PERMANENT REPAIR WORK WILL BE INCLUDED IN REPORT FOR FISCAL YEAR 1962-1963.

GENERAL - RECEIVED AND ATTENDED TO MANY CALLS FOR THE REMOVAL OF OBJECTS FROM CATCH BASINS; SUCH AS, KEYS, WATCHES, DEAD AND LIVE ANIMALS, ETC., SOME OF THESE REQUESTS HAVING COME TO US FROM THE POLICE DEPARTMENT.

IN CONNECTION WITH OUR REGULAR DAILY WORK, WE EXAMINED AND CLEANED AND FLUSHED SEWER LINES AT MANY DIFFERENT LOCATIONS.

RECORDS ARE NOT KEPT OF THE EXACT NUMBER OF TRAPS AND CHUTES CLEANED THROUGH THE YEAR, BUT THE NUMBER OF SUCH EXAMINATIONS AND CLEANINGS RUN INTO THE THOUSANDS.

PUBLIC BUILDINGS SECTION

THIS SECTION IS RESPONSIBLE FOR THE PREPARATION OF PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION, MAINTENANCE, REMODELING AND REPAIR OF ALL PUBLIC BUILDINGS OWNED BY THE CITY. A DRAFTING ROOM WHERE PLANS AND SPECIFICATIONS ARE PREPARED AND A SHOPS AND STORES ROOM ARE LOCATED IN THE WEST END OF THE MUNICIPAL GARAGE BUILDING ON ERNEST STREET. THE BUILDING TRADES WORKERS EMPLOYED BY THE SECTION USE THE SHOP FOR FABRICATING SOME OF THE WOOD AND METAL FIXTURES USED IN THE RENOVATION AND REPAIR OF THE BUILDINGS. EMPLOYEES OF THIS SECTION SUPERVISE THE VARIOUS CONSTRUCTION PROJECTS.

EXPENDITURES.

ITEM 0 PERSONAL SERVICES	\$89,907.64
ITEM 1 SERVICES OTHER THAN PERSONAL	4,399.92
ITEM 2 MATERIALS AND SUPPLIES	665.22
ITEM 5 CAPITAL OUTLAY	952.26
TOTAL	<u>\$95,925.05</u>

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

1. SUPERVISED THE CONSTRUCTION OF, AND SUPPLEMENTARY DETAILS, AT THE FOLLOWING LOCATIONS, INCLUDING INSPECTION ON THE SITE, WRITING SPECIFICATIONS FOR EQUIPMENT WHERE NECESSARY, ETC.:

MARY E. FOGARTY SCHOOL
CAMDEN AVENUE SCHOOL
DANFORTH STREET RECREATION CENTER
ARDOENE STREET PLAYGROUND
DILLON MEMORIAL PARK POOL
TRIGGS MEMORIAL PARK CLUBHOUSE
TRIGGS MEMORIAL PARK STARTERS HOUSE

2. SUPERVISED THE PREPARATION OF PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF PLAYGROUND AT SAYLES STREET AND MINER STREET; AND THE PREPARATION OF PLANS AND SPECIFICATIONS, AND WORK UNDER WAY AND TO COMPLETION, FOR:

HEATING ALTERATIONS - NATHAN BISHOP JR. HIGH
HEATING ALTERATIONS - ROGER WILLIAMS JR. HIGH
BOILER REPLACEMENT - CHARLES V. CHAPIN HOSPITAL

3 PREPARED PLANS AND SPECIFICATIONS FOR THE FOLLOWING WORK, AND SUPERVISED THE WORK, AT THE FOLLOWING SCHOOLS:

MISCELLANEOUS ALTERATIONS	BRANCH AVENUE & JENKINS STREET
SMOKE FLUE AND VENT HOOD	GILBERT STUART JR. HIGH
AUDITORIUM LIGHTING	HOPE HIGH
LABORATORY TABLES & SWITCH PANELS	HOPE HIGH
ROOFING, SHEET METAL AND MASONRY REPAIRS	RALPH ST. & RESERVOIR AVENUE.
ROOFING & SHEET METAL WORK	KENYON ST. & LAUREL HILL AVENUE.
MASONRY REPAIRS	LEXINGTON AVE., SACKETT ST., SUMMIT AVENUE AND BRANCH AVENUE.
MISCELLANEOUS ALTERATIONS	LEXINGTON AVENUE.
INTERIOR PAINTING	NEBSON STREET.
INTERIOR PAINTING	ASA MESSER AND WILLOW STREET.
INTERIOR PAINTING	LAUREL HILL AVENUE.

INTERIOR PAINTING
CONCRETE SIDEWALKS
MASONRY REPAIRS
ROOF DECKS & HATCHWAYS

NEW GATE VALVES
BOILER REPAIRS
YARD PAVING & SIDEWALK REPAIRS

CORNICE REPAIRS
INTERIOR PAINTING
REPAIRS & PAINTING OF FENCES

ROOFING & SHEET METAL WORK
EXTERIOR PAINTING
BOILER-BURNER INSTALLATION
NEW GYMNASIUM FLOOR
NEW BOILER
NEW FLOOR COVERING
BOILER FEED WATER LINES

SMITH ST., RALPH ST. & BEACON AVENUE.
OLIVER H. PERRY JR. HIGH.
OLIVER H. PERRY JR. HIGH.
OLIVER H. PERRY, ROGER WILLIAMS AND
GILBERT STUART JR. HIGH.
ESEK HOPKINS JR. HIGH.
BRANCH AVENUE.
BEACON AVE., ACADEMY AVE., BERKSHIRE ST.,
ASA MESSER & BROAD STREET.
TEMPLE STREET.
CENTRAL HIGH - 2ND & 3RD FLOORS.
ALTHEA ST., ACADEMY AVE., BEACON AVE., BRIDGHAM,
BERKSHIRE ST., BROAD ST., KENYON ST. AND
NATHANAEL GREENE.
GEORGE J. WEST JR. HIGH.
ASA MESSER.
MANTON AVENUE.
NATHAN BISHOP JR. HIGH.
GROVE STREET.
NELSON STREET
MOUNT PLEASANT HIGH.

4. PREPARED THE PLANS AND SPECIFICATIONS, AND SUPERVISED THE WORK FOR:

ARNOLD ST. PLAYGROUND	RETAINING WALL AND CHAIN LINK FENCE.
HOPKINS, OBADIAH BROWN AND METCALF FIELDS	NEW BACKSTOPS.
SMITH ST., METCALF FIELD, TOCK- WOTTON PARK, DEXTER ST.,	MISCELLANEOUS FENCING
PATERSON ST., SESSIONS ST. &	"
MT. PLEASANT RECREATION FIELDS.	"

5. PREPARED PLANS AND SPECIFICATIONS FOR REVISIONS TO THE ELECTRICAL SYSTEM AT THE BUREAU OF POLICE & FIRE HEADQUARTERS; AND PREPARED THE PLANS AND SPECIFICATIONS, AND SUPERVISED THE WORK, FOR:

CONCRETE FLOOR SLAB AND STRUCTURAL STEEL INSTALLATION.	POINT STREET FIRE STATION.
INSTALLATION OF ASPHALT TILE	POLICE & FIRE HEADQUARTERS.

6. PREPARED PLANS AND SPECIFICATIONS, AND SUPERVISED THE WORK, AT THE CHARLES V. CHAPIN HOSPITAL FOR INSTALLATION OF FIRE ALARM BATTERIES AND ALTERATIONS TO TOILET ROOMS.

7. OTHER WORK FOR WHICH PLANS AND SPECIFICATIONS WERE PREPARED BY THIS OFFICE AND WORK SUPERVISED, INCLUDED:

ENTRANCE DOOR AND CONCRETE STEPS	CITY HALL ANNEX-FOUNTAIN STREET.
ALTERATIONS TO X-RAY ROOM	CITY HALL ANNEX-FOUNTAIN STREET.
EXTERIOR MASONRY CLEANING	CITY HALL.
STONE PLANTING WELLS	MARKET SQ., MEMORIAL SQ. & CRAWFORD SQ.
NEW SIDEWALK	TRIGGS MEMORIAL PARK.
DEMOLITION OF SUPERINTENDENT'S RESIDENCE	ROGER WILLIAMS PARK.
ALTERATIONS	WICKENDEN ST. BATH HOUSE.
PORCH REPAIRS AND PAINTING	DISTRICT OFFICE OF PUBLIC WELFARE BELLEVUE AVE.
DEMOLITION	OXFORD STREET SCHOOL.
FURNITURE	NORTH BURIAL GROUND OFFICE

8. OTHER WORK UNDERTAKEN BY THIS SECTION AND ACCOMPLISHED BY OUR OWN BUILDING TRADE WORKERS, OR BY OTHERS UNDER OUR SUPERVISION, INCLUDES:

SETTING UP AND DISMANTLING OF EQUIPMENT	BOARD OF CANVASSERS.
VARIOUS ELECTRIC, PLUMBING, PAINTING & ROOF REPAIRS	CITY HALL.
ROOF REPAIRS	VARIOUS FIRE STATIONS.
PLUMBING AND ELECTRICAL AND ROOF REPAIRS	VARIOUS BATH HOUSES AND COMFORT STATIONS.
INSTALLATION OF SNOW GUARDS AND ROOF REPAIRS	OLD HOPE HIGH SCHOOL (VETERANS ADMINISTRATION)
ROOF REPAIRS AND REPAIRS AND REPLACING OF FIRE BRICK, PLUMBING REPAIRS.	VARIOUS SWIMMING POOLS - RECREATION DEPARTMENT.
ELECTRICAL WORK	CHRISTMAS DISPLAY-ROGER WILLIAMS PARK.

9. MISCELLANEOUS WORK, INCLUDING BOARDING UP OF BUILDINGS ACQUIRED FOR THE OFF-STREET PARKING FACILITIES.

10. INTERIOR AND EXTERIOR PAINTING, PLUMBING REPAIRS, ELECTRICAL REPAIRS AND CARPENTRY WORK PERFORMED AT THE SEVERAL PUBLIC SCHOOLS IN THE CITY OF PROVIDENCE UPON REQUEST FROM AND UNDER ORDERS OF THE PROVIDENCE SCHOOL DEPARTMENT.

WORK UNDER CONSTRUCTION AND BEING DONE UNDER THE SUPERVISION OF THIS SECTION DURING THE FISCAL YEAR ENDED SEPTEMBER 30TH, 1962, AMOUNTS TO APPROXIMATELY THREE MILLION FIVE HUNDRED THOUSAND (\$3,500,000.00) DOLLARS.

DRAW BRIDGE OPERATION SECTION

THIS SECTION IS RESPONSIBLE FOR THE OPERATION OF THE TWO DRAW BRIDGES (POINT STREET BRIDGE AND RED BRIDGE) OWNED AND OPERATED BY THE CITY OF PROVIDENCE. THE MEN IN THIS SECTION ALSO PERFORMED THE HOUSEKEEPING AND PREVENTATIVE MAINTENANCE DUTIES (GREASING, OILING, SHOVELING SNOW, ETC.) REQUIRED TO KEEP THESE BRIDGES IN OPERATION. THE REPAIR AND HEAVY MAINTENANCE WORK REQUIRED ON THESE BRIDGES IS PERFORMED BY THE BRIDGE MAINTENANCE SECTION. THIS SECTION ALSO OPERATED POINT STREET BRIDGE FOR THE 52 OPENINGS WHICH WERE MADE FOR THE CONTRACTOR OF THE HURRICANE BARRIER.

EXPENDITURES.

ITEM 0 PERSONAL SERVICES	\$49,677.74
ITEM 1 SERVICES OTHER THAN PERSONAL	813.13
ITEM 2 MATERIALS AND SUPPLIES	<u>375.50</u>
TOTAL	\$50,866.38
REVENUE	\$ 27.93

POINT STREET BRIDGE WAS PLACED ON A LIMITED OPENING BASIS ON MAY 10, 1958. THE OPERATING PERSONNEL AND THE ELECTRIC POWER METER WERE REMOVED AT THAT TIME. REQUESTS TO HAVE THE BRIDGE OPENED FOR WATER TRAFFICE MUST BE MADE 24 HOURS IN ADVANCE SO THAT AN OPERATING CREW CAN BE OBTAINED AND A POWER METER INSTALLED. THE BRIDGE HAS MADE 52 OPENINGS DURING THIS FISCAL YEAR.

THE FOLLOWING TABLE SHOWS THE NUMBER AND TYPE OF CRAFT PASSING THROUGH BOTH POINT STREET AND RED BRIDGES BY MONTHS FOR THE FISCAL YEAR. IT ALSO SHOWS THE TOTALS OF VESSELS AND OPENINGS AND AVERAGE TIME FOR OPENINGS FOR THE FISCAL YEAR IMMEDIATELY PRECEDING.

SUMMARY OF OPERATIONS FOR YEAR ENDING SEPTEMBER 30, 1962 SUMMARY OF OPERATIONS FOR YEAR ENDING SEPT. 30, 1961

STEAMERS	TUGS	SAIL BOATS	BARGES	MISCELLANEOUS	TOTAL NO. VESSELS YEAR, 1961-1962	TOTAL OPENINGS YEAR, 1961-1962	AVERAGE TIME OPENINGS TO CLOSE OF GATES(MIN.)	TOTAL NO. VESSELS YEAR 1960-1961	TOTAL OPENINGS YEAR 1960-1961	AVERAGE TIME OPENINGS TO CLOSE OF GATES(MIN.)
<u>POINT STREET BRIDGE</u>										
OCTOBER	10		10		20	10	10	0	0	
NOVEMBER	10		10		20	10	10	2	1	
DECEMBER	8		8		16	8	10	0	0	
JANUARY	6		6		12	6	12	2	1	
FEBRUARY	6		6		12	6	10	0	0	
MARCH	10		10		20	10	10	4	2	
APRIL	0		0		0	0	0	14	7	
MAY	0		0		0	0	0	106	53	
JUNE	0		0		0	0	0	38	19	
JULY	0		0		0	0	0	22	11	
AUGUST	2		2		4	2	10	4	2	
SEPTEMBER	0		0		0	0	0	20	10	
	52		52		104	52		212	106	

<u>RED BRIDGE</u>										
OCTOBER	14	15	15	7	51	33	5.45	59	43	4.65
NOVEMBER	36	17	10		63	52	5.40	33	23	5.09
DECEMBER	36	12	6		54	45	5.29	54	37	5.05
JANUARY	36	18	10		64	54	5.37	67	51	4.31
FEBRUARY	24	18	10		52	43	5.95	40	30	4.67
MARCH	30	32	15	4	81	61	4.88	46	31	4.58
APRIL	24	14	1	11	50	40	5.02	33	27	4.74
MAY	24	12	12	2	50	44	5.07	64	45	4.56
JUNE	16	8	5	12	41	37	5.54	56	35	5.05
JULY	19	8	4	10	41	37	5.00	40	33	4.42
AUGUST	20	4	4	8	36	32	5.06	51	34	5.47
SEPTEMBER	20	10	8	3	41	33	5.00	43	30	6.00
	299	168	1	110	46	624	511	586	419	

THE FOLLOWING TABLE SHOWS THE TOTAL NUMBER OF CRAFT PASSING THROUGH THE DRAWBRIDGES BEGINNING THE YEAR 1907:

FROM 1907 TO 1928, INCLUSIVE, YEARS ENDING DECEMBER 31.

YEAR 1929 INCLUDES 9 MONTHS ONLY, AND ENDS SEPTEMBER 30.

FROM 1930 TO DATE, YEARS END SEPTEMBER 30.

YEAR	POINT STREET BRIDGE		YEAR	POINT STREET BRIDGE	
	RED BRIDGE	RED BRIDGE		RED BRIDGE	RED BRIDGE
1907	25,949	2,632	1933-34	1,990	3,750
1908	21,767	4,852	1934-35	1,307	2,454
1909	17,128	6,914	1935-36	1,468	2,150
1910	17,125	2,927	1936-37	1,368	2,130
1911	20,078	3,293	1937-38	1,136	1,913
1912	21,519	3,021	1938-39	1,676	2,187
1913	15,113	3,734	1939-40	1,299	3,431
1914	13,364	2,491	1940-41	1,066	2,420
1915	14,409	2,755	1941-42	1,205	1,722
1916	11,638	3,368	1942-43	1,263	1,087
1917	9,704	3,273	1943-44	1,487	2,262
1918	6,894	2,680	1944-45	1,233	1,319
1919	7,123	3,467	1945-46	1,078	1,828
1920	6,950	4,451	1946-47	936	1,640
1921	6,067	2,001	1947-48	1,010	1,541
1922	5,307	2,958	1948-49	666	2,130
1923	5,476	5,134	1949-50	638	1,609
1924	4,858	2,035	1950-51	371	1,973
1925	4,939	1,942	1951-52	125	1,628
1926	5,198	2,415	1952-53	202	1,752
1927	4,700	2,934	1953-54	51	2,787
1928	4,679	3,912	1954-55	883	1,313
1929	4,068	3,623	1955-56	141	1,536
1929-30	3,210	2,738	1956-57	16	1,189
1930-31	3,243	2,742	1957-58	9	1,076
1931-32	1,197	1,900	1958-59	6	1,021
1932-33	1,327	2,787	1959-60	0	758
			1960-61	212	586
			1961-62	104	614

BRIDGE	GREATEST NUMBER OF OPENINGS IN ANY ONE DAY.		DAILY AVERAGE NUMBER OF OPENINGS FOR THE YEAR	
	1960-1961	1961-1962	1950-1961	1961-1962
RED	8	10	1.15	1.57
POINT	11	4	0.58	0.27

STREET LIGHTING SECTION.

THIS SECTION IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE ELECTRIC LIGHTING FACILITIES FOR THE STREETS, BRIDGES, SUBWAYS AND PARKS OF THE CITY. THE ACTUAL CONSTRUCTION AND MAINTENANCE WORK IS PERFORMED THROUGH CONTRACT BY THE NARRAGANSETT ELECTRIC COMPANY. THE APPROPRIATION FOR THE ACCOMPLISHMENT OF THIS WORK FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1962, WAS \$497,426.56.

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$ 5,408.00
ITEM 1 SERVICES OTHER THAN PERSONAL	483,237.43
ITEM 2 MATERIALS AND SUPPLIES	<u>25.00</u>
TOTAL	\$488,670.43

REVENUE 101.54

STREET LIGHTING COSTS:

INCANDESCENTS & MERCURYS:

1961 TOTAL BILL

LESS OUTAGE NET COST

OCTOBER \$ 40,359.71
NOVEMBER 40,335.99
DECEMBER 40,244.73

\$ 125.36 \$ 40,234.35
170.86 40,165.13
179.05 40,065.68

1962

JANUARY 40,301.62
FEBRUARY 40,250.95
MARCH 40,256.77
APRIL 40,282.33
MAY 40,258.47
JUNE 40,136.20
JULY 39,938.97
AUGUST 40,161.10
SEPTEMBER 40,047.77
\$482,574.61

236.81 40,064.81
138.20 40,112.75
223.07 40,033.70
122.40 40,159.93
74.76 40,183.71
59.94 40,076.26
61.02 39,877.95
82.95 40,078.15
93.98 39,953.79
\$1,568.40 \$481,006.21

STREET LIGHTING UNIT COSTS.

UNDER THE PROVISIONS OF TERMS AND CONDITIONS FOR STREET LIGHTS - THIS BEING THE SO CALLED "FUEL CLAUSE" - THE COST OF THE STREET LIGHTS FOR THE YEAR BEGINNING OCTOBER 1, 1961, DEPENDED UPON THE COST OF FUEL FOR THE YEAR ENDING JULY 31, 1962. THIS COST AVERAGED \$9.94 PER STANDARD NET TON. THIS IS \$0.81 BELOW THE BASE PRICE OF \$10.75. ALL BASE PRICES SHOWN IN THE RATE SCHEDULE WILL THEREFORE BE DECREASED BY AN AMOUNT OBTAINED BY MULTIPLYING THE DECREASE PER TEN CENT VARIATION BY 8. A TABULATION SHOWING THE UNIT PRICES FOR THE YEAR BEGINNING OCTOBER 1, 1962, IS AS FOLLOWS:

	ANNUAL DECREASE PER 10¢ DECREASE FUEL BELOW \$10.75 BASE	NO. OF 10¢ BELOW \$10.75 BASE FUEL PRICE	DECREASE TO BASE PRICE	ANNUAL BASE PRICE	NET PRICE
<u>INCANDESCENT 100 CP.</u>					
U.G. ALL NIGHT	.021	8	.17	29.12	28.95
U.G. SINGLE, 1,2 NIGHT	.009	8	.07	25.11	25.04
AERIAL SINGLE, A.N.	.021	8	.17	16.09	15.92
AERIAL SINGLE, 1/2 NIGHT	.009	8	.07	10.40	10.33
<u>MISCELLANEOUS</u>					
250 C.P. U.G. A.N.	.043	8	.34	52.19	51.85
250 C.P. AERIAL A.N.	.043	8	.34	32.19	31.85
1000 C.P. AERIAL, A.N.	.132	8	1.06	72.51	71.45
1000 C.P. U.G. A.N.	.132	8	1.06	92.51	91.45
1000 C.P. U.G. 1/2 NIGHT	.066	8	.58	72.39	71.81
250 C.P. U.G. 1/2 NIGHT	.022	8	.19	43.74	43.55
10,000 LU. SODIUM, U.G.	.049	8	.39	87.22	86.83
10,000 LU. SODIUM, O.H.	.049	8	.39	67.22	66.83
600 C.P. INCANDESCENT, O.H.	.088	8	.70	53.57	52.87
600 C.P. INCANDESCENT, U.G.	.088	8	.70	73.57	72.87
*15,000 LU. MERCURY, O.H.	.097	8	.78	71.95	71.17
*15,000 LU. MERCURY, U.G.	.097	8	.78	91.95	91.17
*15,000 LU. MERCURY, U.G. 2 LT.	.194	8	1.55	165.90	164.35
*15,000 LU. MERCURY UNDERPASSES 24HR.	.47	8	2.34	123.16	120.82
21,000 LU. O.H.	----	-	----	94.00	94.00
21,000 LU. U.G.	----	-	----	114.00	114.00
6,800 LU. O.H. MERCURY	----	-	----	55.00	55.00
6,800 LU. U.G. MERCURY	----	-	----	75.00	75.00
21,000 LU. U.G. 2 LT.				208.00	208.00
15,000 C LU. O.H.				77.00	77.00
15,000 C LU. U.G.				97.00	97.00
15,000 C LU. U.G. 2 LT.				174.00	174.00
15,000 C LU. UNDERPASSES 24 HR.				123.00	123.00

RATES

THE RATES WHICH ARE AFFECTED BY FUEL COSTS ARE:

GENERAL SERVICE RATE D

POWER RATE F

POWER RATE G

NOTES:

15,000 C MERCURY VAPOR MEANS A 21,000 LUMEN MERCURY LAMP INSTALLED IN AN EXISTING 15,000 LUMEN MERCURY VAPOR LUMINAIRE.

(*)- NO NEW INSTALLATIONS.

NARRAGANSETT ELECTRIC COMPANY FUEL COSTS

THE AMOUNT DETERMINED UNDER THE PRECEDING PROVISIONS SHALL BE INCREASED OR DECREASED BY .000005 PER KILOWATT HOUR FOR EACH \$.01 INCREASE OR DECREASE IN COST OF FUEL, AS DEFINED IN THE COMPANY'S TERMS AND CONDITIONS, ABOUT OR BELOW \$10.75 PER NET TON. THE COST OF FUEL FOR ANY MONTH SHALL AFFECT THE PRICE OF ELECTRICITY BILLED IN THE SECOND MONTH FOLLOWING SUCH MONTH.

COST OF FUEL BY MONTH

1961	SEPTEMBER	\$ 9.97*
	OCTOBER	10.009
	NOVEMBER	9.83
	DECEMBER	9.92
1962	JANUARY	10.11
	FEBRUARY	9.91
	MARCH	10.01
	APRIL	9.96
	MAY	9.80
	JUNE	9.86
	JULY	9.848
	AUGUST	9.879

THE ABOVE FIGURES INDICATE THAT THE AVERAGE PRICE PER TON FOR THE YEAR WAS \$9.94 PER TON.

(*) STANDARD NET TON.

THE NUMBER OF LAMPS AND GLOBES REPORTED AS BROKEN ON STREET LIGHTS DURING THE YEARS 1960-1961-1962 IS AS FOLLOWS:

	<u>INCANDESCENT</u>	<u>LIGHTS BROKEN</u>	<u>MERCURY GLOBES</u>
1960-61	1	5716	122
1961-62		6083	114

MALL PARKING DECK LIGHTS
1 FRANCIS STREET

THE MALL PARKING DECK LIGHTS ARE CHARGED TO THE GENERAL STREET LIGHTING ACCOUNT. HOWEVER, THEY WILL NOT SHOW ON THE SCHEDULE BECAUSE THEY ARE ON A SEPARATELY METERED CIRCUIT AND DO NOT COME UNDER THE CONTRACT PRICE PER LIGHT UNIT. THEY ARE METERED ON A "G" RATE, AND SO MUCH PER K.W.

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

THE 10 U.G. A.N. 20,000 LUMEN M.V. LIGHTS ON THE TOP DECK ARE SEPARATELY METERED AND CHARGED TO THE MEYERS BROTHERS PARKING SYSTEM.

MONTHLY CHARGES

MONTH	K. W. USED	BILL
OCTOBER 1961	5160 K.W.	\$97.89
NOVEMBER	5080 K.W.	96.65
DECEMBER	5200 K.W.	97.71
JANUARY 1962	5660 K.W.	102.37
FEBRUARY	5320 K.W.	103.20
MARCH	6840 K.W.	119.05
APRIL	7220 K.W.	128.30
MAY	7360 K.W.	129.05
JUNE	7720 K.W.	133.13
JULY	4520 K.W.	100.01
AUGUST	5440 K.W.	99.64
SEPTEMBER	5220 K.W.	97.35
		<u>\$1304.35</u>

SIGN INSPECTION

SIGNS INSPECTED FOR OVERHEAD WIRE CLEARANCE -407
 THESE SIGNS ARE INSPECTED FOR WIRE CLEARANCE AS NOTED IN THE NATIONAL SAFETY CODE STANDARD.

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

YEAR	BRIDGE STRUCTURE 24 HR. BURNING	<u>ARCS</u>		<u>INCANDESCENTS</u>				<u>SODIUM</u>			<u>MERCURY</u>		
		1520	100CP	250CP	400CP	750W	300W	1000CP	600CP	1000CP	15000LU.	6800LU	21000
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	

BRIDGE STRUCTURE 24 HR.													
YEAR	BURNING	1520	100CP	250CP	400CP	750W	300W	1000CP	600CP	1000CP	15000LU	6800LU	20000
1951		298	8721	162	14	9	14	560	29	25	1855		
1952		124	8668	226	9	0	0	565	29	25	2360		
1953		36	8671	251	1	0	0	504	29	25	2802		
1954	44	0	8308	314	0	0	0	506	29	25	3293		
1955	44	0	8277	414	0	0	0	449	29	25	3428		
1956	44	0	8228	447	0	0	0	435	29	25	3476		
1957	44	0	8248	489	0	0	0	391	29	25	3501		
1958	44	0	8192	484	0	0	0	349	29	25	3570		
1959	44	0	8236	512	0	0	0	348	29	22	3593	7	
1960	44	0	8244	519	0	0	0	345	29	22	3623	42	
1961	44	0	8212	547	0	0	0	331	29	21	3607	88	
1962	44	0	8122	536	0	0	0	309	29	21	3567	118	12

RECAPITULATION

GRAND TOTAL (COSTS)	\$481,006.21
TOTAL MONTHLY AVERAGE COST 1960-1961	40,070.45
TOTAL MONTHLY AVERAGE COST 1961-1962	40,083.85

INCREASE FROM PREVIOUS YEAR OF THE TOTAL COSTS OF STREET LIGHTING	13.40
TOTAL SAVINGS IN OUTAGES	1,568.40

NEW STREET LIGHT PETITIONS RECEIVED	87
NEW STREET LIGHT PETITIONS GRANTED	71
NEW STREET LIGHT PETITIONS REJECTED	6
NEW STREET LIGHT PETITIONS HELD	10
UTILITY POLE PETITIONS RECEIVED AND FIELD CHECKED	190

SUMMARY

THERE ARE NOW 3,567 - 15,000 LUMEN MERCURY VAPOR LIGHTS IN SERVICE.

THERE ARE NOW 118 - 7000 LUMEN MERCURY VAPOR LIGHTS IN SERVICE.

THERE ARE NOW 12 - 21,000 LUMEN MERCURY VAPOR LIGHTS IN SERVICE.

THE NUMBER OF 2,500 LUMEN INCANDESCENT LIGHTS HAVE BEEN DECREASED BY 11, BRINGING THE TOTAL NUMBER OF THIS TYPE OF LIGHT NOW IN SERVICE TO 536.

THERE ARE 309 - 10,000 LUMEN LIGHTS IN SERVICE IN THE CITY THAT WILL BE REPLACED WITH 21,000 LUMEN MERCURY VAPOR LIGHTS IN THE NEAR FUTURE.

THERE ARE 8122 - 1000 LUMEN LIGHTS IN SERVICE (FAMILIAR NEIGHBORHOOD TYPE); AND THERE WERE 71 LIGHTS OF THIS TYPE INSTALLED DURING THE PAST FISCAL YEAR ON STREET LIGHT PETITIONS.

SHOPS AND STORES

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

THE SEWER CONSTRUCTION AND MAINTENANCE SHOPS AND STORES SERVICES ONLY THE SEWER CONSTRUCTION AND MAINTENANCE SECTION, AND THE PASSENGER CARS RENTED TO THE CONSTRUCTION AND MAINTENANCE ADMINISTRATION.

ALL THE 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 FUND WHICH, TOGETHER WITH THE MONEY RECEIVED FOR STOCK ORDERS AND JOB ORDERS, COMPRISE THE MONEY USED FOR DEFRAYING THE OPERATING COSTS AND THE PURCHASE COSTS FOR THE RENTAL EQUIPMENT OF THESE SECTIONS.

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

CONSTRUCTION AND MAINTENANCE SHOPS AND STORES

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

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

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

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

A LIST OF THE AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

2 COMPRESSORS, TRUCK MOUNTED	1 HOIST TRUCK 5000#
33 DUMP TRUCKS, 4 CU. YDS.	2 BULLDOZERS TD 18
6 DUMP TRUCKS, 6 CU. YDS.	1 SKY WORKER
5 DUMP TRUCKS, 3 CU. YDS.	1 WELDER, ELECTRIC PORTABLE
3 PICKUP TRUCKS, 3/4 TON	2 SHOVELS, 3/4 CU. YDS.
1 STAKE BODY TRUCK, 1 TON	6 ROAD GRADERS
1 PANEL TRUCK, 1/2 TON	2 MIST SPRAYERS
1 EXPRESS BODY TRUCK, 2 1/2 TON	2 CONCRETE MIXERS 3 S
1 EXPRESS BODY TRUCK 1/2 TON	9 STREET SWEEPERS
3 CARGO TRUCKS, 6 TON	9 SNOW LOADERS
10 PASSENGER CARS	5 LAWN MOWERS, POWER
7 AIR COMPRESSORS, PORTABLE	19 TAIL GATE SPREADERS
1 TRAILER 25 TON FLATBED WITH TRACTOR	80 SNOW PLOWS
1 GRADALL	3 FRONT END LOADERS
1 STATION WAGON	2 ROLLERS 10-14 TON TANDEM

2 HOIST TRUCKS 2500#	1 FORK LIFT
1 ROLLER 8-12 TON TANDEM	1 ROLLER 10-12 TANDEM
1 ROLLER 10-12 TON 3 WHEEL	1 PAVER, ASPHALT
1 ROLLER 305 TON PORTABLE	3 TOOL HEATERS
2 WALTERS SNOW FIGHTERS	5 GENERATORS, PORTABLE
2 ROLLERS 305 TON TANDEM	6 TOOL WAGONS

3 LEAF COLLECTORS

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

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

3 DUMP TRUCKS 4 CU. YDS.
 2 SNOW LOADERS
 1 FOX SAND SPREADER
 1 FRONT END LOADER
 1 REEL LAWN MOWER

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

1 FORK LIFT	AUTOMOTIVE REPAIR SHOP
1 AIR COMPRESSOR	PAINT SHOP
1 EMERGENCY MOTOR & GENERATOR	POINT STREET BRIDGE
1 BULLDOZER TD 9	CITY DUMP
2 BUCKETS, CLAMSHELL	INCINERATOR
4 BUCKETS, ORANGE PEEL	SEWER MAINTENANCE SECTION
1 ROLLER, 5 TON TANDEM	RECREATION DEPARTMENT

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

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

THE STOCK ROOM CARRIES MUCH OF THE MATERIALS, PARTS AND SUPPLIES REQUIRED BY THE SECTIONS OF THE DIVISION. AN INVENTORY OF \$59,106.07 IN MATERIALS AND SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1962.

SEWER CONSTRUCTION AND MAINTENANCE SHOPS AND STORES

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

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

A LIST OF AVAILABLE RENTAL EQUIPMENT IS AS FOLLOWS:

4 EDUCTORS	4 AIR COMPRESSORS - PORTABLE
3 DERRICK TRUCKS	3 CENTRIFUGAL PUMPS (6 IN.)

4 PASSENGER CARS	1 CENTRIFUGAL PUMP (4 IN.)
4 DUMP TRUCKS	2 CENTRIFUGAL PUMPS (3 IN.)
2 CARGO TRUCKS (2 TON)	1 DIAPHRAGM PUMP (4 IN.)
1 CARGO TRUCK (1 TON)	1 CENTRIFUGAL PUMP (1½ IN.)
1 PICKUP TRUCK	1 SEWER ROD POWER DRIVER
1 SET OF SEWER WENCHES	1 DIAPHRAGM PUMP (3 IN.)
1 ELECTRIC GENERATOR	1 DIAPHRAGM PUMP (2 IN.)

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

IN ADDITION TO RENTAL EQUIPMENT IN THE POOL THIS SECTION, THROUGH ITS CARPENTER AND BLACKSMITH SHOPS, REPAIRS AND MAINTAINS ALL TOOLS, BUILDINGS, SEWER GATES, ETC., FOR WHICH THE SEWER MAINTENANCE SECTION IS RESPONSIBLE. SOME WORK FOR AGENCIES OUTSIDE THE SEWER MAINTENANCE SECTION IS PERFORMED PRIMARILY BY THE CARPENTER SHOP.

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

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

AN INVENTORY OF \$22,926.04 IN MATERIALS AND SUPPLIES AND PARTS WAS ON HAND IN THE STOCK ROOM ON SEPTEMBER 30, 1962.

RECOMMENDATIONS

- (1) NEW FENCES SHOULD BE BUILT ON THE BRIDGE AT MARKET SQUARE BETWEEN WESTMINSTER STREET AND EXCHANGE PLACE.
- (2) SIDEWALKS ON THE FOLLOWING BRIDGES SHOULD BE COMPLETELY REBUILT -- ACORN STREET, DELAINE STREET, GLENBRIDGE AVENUE, WEST RIVER STREET AND RED BRIDGE.
- (3) LELAND STREET FOOTBRIDGE SHOULD BE REBUILT. THE FLOATING DOCK AT THE HARBOR MASTER'S WHARF AT POINT AND SOUTH WATER STREETS IS COMPLETELY GONE AND A NEW ONE SHOULD BE BUILT.
- (4) THE UNDERSIDE OF THE BRIDGE IN POST OFFICE SQUARE, MARKET SQUARE AND CRAWFORD STREET AREAS SHOULD BE THOROUGHLY SCRAPED AND PAINTED. SOME OF THE STEEL IS IN DEPLORABLE CONDITION. THIS IS A MAJOR JOB.
- (5) THE STEEL WORK ON THE SHORE SPANS OF RED BRIDGE IS IN VERY POOR CONDITION AND THE WHOLE BRIDGE SHOULD BE SCRAPED AND PAINTED. AT PRESENT THERE ARE 56 WOOD BEAMS BESIDE EACH OF THE RUSTED BEAMS TO ASSURE ADEQUATE SUPPORT. THIRTY-TWO (32) NEW STEEL CROSS BRACES HAVE BEEN ERECTED IN PLACE OF THE RUSTED OUT BRACES. MANY OF THE HORIZONTAL MEMBERS HAVE BEEN PATCHED BY WELDING PIECES OF STEEL TO DETERIORATED STEEL WORK. A START HAS ALSO BEEN MADE ON PAINTING THE UNDER STRUCTURE OF THE BRIDGE. HOWEVER, MUCH MORE REPAIR WORK IS REQUIRED TO ASSURE CONTINUOUS USAGE.
- (6) RECOMMEND THAT ONE OF THE SIX ROAD GRADERS BE REPLACED. TWO OF THESE REQUIRE EXTENSIVE REPAIRS AND THE STEPPED-UP REPLACEMENT PLAN SHOULD CONTINUE SO AS TO CUT DOWN THE COST OF OPERATION. ONE GRADER WAS REPLACED DURING THE PAST YEAR.
- (7) A NEW FENCE IS REQUIRED A LONG THE RAILROAD RETAINING WALL ON HARRIS AVENUE.

- (8) THE 1951 LORAIN SHOVEL IS IN NEED OF CONSTANT REPAIRS AND SHOULD BE REPLACED WITH A HEAVY 3/4 YD. SHOVEL NOT LESS THAN 45,000# IN WEIGHT.
- (9) A NEW PUMP SHOULD BE PURCHASED FOR THE SEWER MAINTENANCE SECTION - 1-4" 30M.
- (10) NEW FACILITIES FOR USE OF THE HIGHWAY, BRIDGE MAINTENANCE, STREET CLEANING AND CONSTRUCTION SHOPS AND STORES ARE BEING BUILT TO REPLACE FACILITIES AT THE HIGHWAY YARD WHICH WERE CONDEMNED FOR THE NORTH-SOUTH FREEWAY. AT PRESENT THESE AGENCIES, EXCEPT BRIDGE MAINTENANCE, ARE HOUSED IN THE NEW BUILDING WHILE THE WORK IS PROGRESSING.
- (11) MERINO PARK FOOTBRIDGE SHOULD BE COMPLETELY REBUILT. THE PILES ARE IN VERY BAD CONDITION.
- (12) A MAINTENANCE GANG OF ONE FOREMAN AND SIX MEN SHOULD BE SET UP FOR THE CONSTRUCTION AND MAINTENANCE DIVISION TO MAINTAIN THE BUILDINGS OF THE PUBLIC WORKS DEPARTMENT; SUCH AS, THE STORAGE AND TRANSIT SHEDS AT FIELDS POINT, FIELDS POINT DOCK OFFICE, HARBOR MASTER'S BUILDING, HOUSE AND BUILDING AT THE RED BRIDGE, BRICK BUILDINGS AT SEWER SYPHON ON INDIA STREET AND GLOBE STREET, INCINERATOR BUILDINGS, INCINERATOR GARAGE, SEWER MAINTENANCE BUILDING, HIGHWAY BUILDINGS, FORESTRY BUILDINGS, AND RAILROAD TRACKS AT FIELDS POINT, THE WASHINGTON PARK PUMPING STATION, THE RESERVOIR AVENUE PUMPING STATION AND THE ERNEST STREET PUMPING STATION.

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

TELEVISION PICTURES SHOULD BE TAKEN OF THE FOLLOWING SEWERS TO DEFINITELY DETERMINE WHETHER OR NOT THE CONSTANT SINKING OF THE ROADS ON THESE STREETS ARE CAUSED BY FRACTURES IN THE SEWERS:

- (1) ELMWOOD SANITARY SEWER ACROSS ALLENS AVENUE. THIS CAN ONLY BE DONE BY CLOSING DOWN THE PUMPING STATION AND DRAWING THE LIQUID FROM THE DETRITORS AT THE TREATMENT PLANT.
- (2) STORM SEWER ACROSS SMITH STREET AT RICHTER STREET.
- (3) SANITARY SEWER ACROSS SMITH STREET AT RICHTER STREET.

RESPECTFULLY SUBMITTED,

ROBERT B. STRONG
CHIEF, CONST. & MAINT. DIVISION.

SANITATION DIVISION

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

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT OF THE SANITATION DIVISION OF THE PUBLIC WORKS DEPARTMENT FOR THE FISCAL YEAR 1961-1962. THIS DIVISION IS DIVIDED INTO THE FOLLOWING SECTIONS:

SANITATION ADMINISTRATION	SEWAGE DISPOSAL WORKS
STREET CLEANING	REFUSE COLLECTION AND DISPOSAL
SEWAGE PUMPING STATION	GARBAGE COLLECTION AND DISPOSAL

SANITATION SHOP AND STORES.

SANITATION ADMINISTRATION

THE OFFICE PERSONNEL HANDLES ALL THE NECESSARY CLERICAL WORK PERTAINING TO THE REFUSE COLLECTION AND DISPOSAL SECTION, THE SEWAGE PUMPING STATION SECTION, THE SANITATION SHOP AND STORES AND A PORTION OF THE WORK ASSOCIATED WITH THE SEWAGE DISPOSAL WORKS SECTION AND GARBAGE COLLECTION AND DISPOSAL SECTION.

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	\$13,322.92
ITEM 1 SERVICES OTHER THAN PERSONAL	1,033.81
ITEM 2 MATERIALS AND SUPPLIES	<u>17.11</u>
TOTAL	\$14,373.84

STREET CLEANING SECTION

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

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

THE FOLLOWING STREETS AND SQUARES ARE ALSO CLEANED DAILY:

BROADWAY FROM LASALLE SQUARE TO OLNEYVILLE SQUARE
WESTMINSTER STREET FROM EMPIRE STREET TO HOYLE SQUARE
WEYBOSSET STREET FROM EMPIRE STREET TO CATHEDRAL SQUARE
BROAD STREET FROM EMPIRE STREET TO TRINITY SQUARE
ATWELLS AVENUE FROM ABORN STREET TO RIDGE STREET

POCASSET AVENUE FROM OLNEYVILLE SQUARE TO CITY LINE
 WILLARD AVENUE FROM GAY STREET TO PRAIRIE AVENUE
 RANDALL STREET FROM CHARLES STREET TO NORTH MAIN STREET
 SMITH STREET FROM STATE HOUSE TO OAKLAND AVENUE
 DOUGLAS AVENUE FROM ADMIRAL STREET TO MOWRY STREET
 PLAINFIELD STREET FROM HARTFORD AVE. TO WEBSTER AVENUE
 GAY STREET FROM WILLARD AVENUE TO BLACKSTONE STREET
 NORTH MAIN STREET FROM COLLEGE HILL TO MILL STREET
 CHARLES STREET FROM RAILROAD BRIDGE TO CITY LINE
 SOUTH MAIN STREET FROM COLLEGE HILL TO POINT STREET
 WICKENDEN STREET FROM EAST STREET TO IVES STREET
 IVES STREET FROM WICKENDEN STREET TO POWER STREET
 GOVERNOR STREET FROM WICKENDEN STREET TO POWER STREET
 WAYLAND AVENUE FROM WATERMAN STREET TO ANGELL STREET
 SOUTH ANGELL STREET FROM WAYLAND AVENUE TO BUTLER AVENUE
 BUTLER AVENUE FROM SOUTH ANGELL STREET TO WATERMAN STREET
 ANGELL STREET FROM BUTLER AVENUE TO WAYLAND AVENUE
 HOPE STREET FROM LANGHAM ROAD TO SIXTH STREET
 HARTFORD AVENUE FROM LAUREL HILL AVENUE TO OLNEYVILLE SQUARE
 THAYER STREET FROM BROOK STREET TO WATERMAN STREET
 WATERMAN STREET FROM THAYER STREET TO BROOK STREET
 CRANSTON STREET FROM DEXTER STREET TO CITY LINE
 POTTERS AVENUE FROM CRANSTON STREET TO DEXTER STREET
 EAGLE PARK SQUARE OLNEYVILLE SQUARE
 RANDALL SQUARE TRINITY SQUARE
 WAYLAND SQUARE WASHINGTON SQUARE

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

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

172 TRASH CANS WERE EMPTIED FOUR TIMES DAILY. 15 NEW CANS WERE PURCHASED TO REPLACE BROKEN CANS.

EIGHT MECHNAICAL SWEEPERS WERE IN OPERATION, BOTH DAY AND NIGHT.

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

THREE FRONT END LOADERS WERE USED TO PICK UP THE SWEEPER DUMPS AND LOAD THEM IN TRUCKS FOR DISPOSAL.

THREE LARGE TRUCKS WERE USED IN THE FALL TO PICK UP LEAVES. THESE TRUCKS ARE EQUIPPED WITH EAGAN LEAF COLLECTORS AND HAVE A CAPACITY OF 10 TONS. AN OPERATOR AND TWO LABORERS ARE NEEDED FOR THIS OPERATION.

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

A SUMMARY OF OPERATIONS FOR THIS SECTION FOLLOWS:

HAND BROOM SWEEPING	150 MILES
MACHINE BROOM SWEEPING	15,677 MILES
BEAT PATROL	10,149 MILES
HAND BROOM DISPOSAL	2,771 TONS
MACHINE BROOM DISPOSAL	11,182 TONS
STREET CONTAINER DISPOSAL	8,247 TONS
STORM DEBRIS	864 TONS
MISCELLANEOUS DEBRIS	101 TONS

THE EXPENDITURES FOR THIS SECTION WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$ 370,914.36
ITEM 1 SERVICES OTHER THAN PERSONAL	78,132.50
ITEM 2 MATERIALS AND SUPPLIES	<u>3,310.93</u>
TOTAL	\$ 452,357.79

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 MILLIONS OF GALLONS A DAY. ELECTRIC POWER TO OPERATE THIS STATION IS SUPPLIED FROM THE GARBAGE INCINERATOR PLANT. PROVISION HAS BEEN MADE FOR STAND-BY POWER FROM THE LOCAL POWER COMPANY. THE TWO SMALLER STATIONS OPERATE AUTOMATICALLY AND THE POWER TO OPERATE THEM IS SUPPLIED BY THE LOCAL POWER COMPANY. ALL STATIONS ARE IN OPERATION TWENTY-FOUR HOURS PER DAY.

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

ITEM 0 PERSONAL SERVICES	\$ 73,616.61
ITEM 1 SERVICES OTHER THAN PERSONAL	1,134.01
ITEM 2 MATERIALS AND SUPPLIES	<u>3,666.39</u>
TOTAL	\$ 78,417.01

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

	<u>ERNEST STREET</u> STATION No. 1	<u>WASHINGTON PARK*</u> STATION No. 2	<u>RESERVOIR AVENUE*</u> STATION No. 3	<u>TOTAL</u>
<u>1961</u>				
OCTOBER	1,074.73	13.0	2.0	1,089.73
NOVEMBER	1,284.40	14.0	3.0	1,301.40
DECEMBER	1,281.80	12.0	2.0	1,295.80
<u>1962</u>				
JANUARY	1,563.81	13.0	3.0	1,579.81
FEBRUARY	1,313.08	11.0	2.0	1,326.08
MARCH	1,685.39	14.0	2.0	1,701.39
APRIL	1,524.92	15.0	2.0	1,541.92
MAY	1,303.17	14.0	2.0	1,319.17

<u>1962</u>	<u>ERNEST STREET</u> STATION No.1	<u>WASHINGTON PARK</u> ⁴ STATION No.2	<u>RESERVOIR AVENUE*</u> STATION No. 3	<u>TOTAL</u>
JUNE	1,335.31	13.0	3.0	1,351.31
JULY	1,170.89	12.0	2.0	1,184.89
AUGUST	1,353.39	13.0	2.0	1,368.39
SEPTEMBER	<u>1,322.98</u>	<u>14.0</u>	<u>2.0</u>	<u>1,338.98</u>
TOTALS	16,213.87	158.0	27.0	16,398.87

* ESTIMATED FLOWS.

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

<u>1961</u>	<u>K.W.H.</u>
OCTOBER	642.0
NOVEMBER	482.0
DECEMBER	4,325.0
<u>1962</u>	
JANUARY	16,437.0
FEBRUARY	19,622.0
MARCH	12,530.0
APRIL	12,278.0
MAY	5,016.0
JUNE	16,300.0
JULY	600.0
AUGUST	9,890.0
SEPTEMBER	<u>11,450.0</u>
TOTAL	109,572.0

SEWAGE DISPOSAL WORKS

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

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

ESTIMATED POPULATION SERVED BY THE PLANT:

PROVIDENCE	248,000
JOHNSTON	2,200
NORTH PROVIDENCE	<u>12,000</u>
TOTAL CONNECTED POPULATION	262,200

<u>SEWAGE FLOW</u>	<u>MILLION GALLONS</u>
PROVIDENCE	13,173.08
JOHNSTON	332.63
NORTH PROVIDENCE	2,787.09
CRANSTON (NARRAGANSETT BREWING CO.)	<u>106.07</u>
TOTAL SEWAGE FLOW	16,398.87

SUMMARY OF OPERATIONS

TOTAL FLOW OF SEWAGE	16,398.87 M.G.
AVERAGE DAILY FLOW	44.93 M.G.
MAX. DAILY FLOW (APRIL 1, 1962)	94.36 M.G.
MIN. DAILY FLOW (OCTOBER 22, 1961)	21.19 M.G.
TOTAL AIR USED FOR AERATION	18,979.61 MIL. CU. FT.
LIQUID CHLORINE	780.87 TONS
FERRIC CHLORIDE USED	209.81 TONS
*LIME (AS KEMIKAL HYDRATE)	0 TONS
LIME (AS CHEMLINE SLURRY)	2,505.74 TONS
TOTAL LIME USED	2,505.74 TONS
GRIT REMOVALS	456.1 TONS
SLUDGE INCINERATED	54,119.65 TONS
ASH REMOVED FROM INCINERATOR	3,036.8 TONS
FUEL OIL USED FOR OPERATING SLUDGE INCINERATOR (#5 OIL)	169,977 GALS.
FUEL OIL USED FOR OPERATING SLUDGE INCINERATOR (#2 OIL)	33,384 GALS.
FUEL USED FOR HEATING ADMINISTRATION BUILDING (#2 OIL)	3,954 GALS.
FUEL USED FOR HEATING GRIT BUILDING (#2 OIL)	4,063 GALS.
FUEL USED FOR HEATING P.S.P.S. (#2 OIL)	2,389.5 GALS.
FUEL USED FOR HEATING S.S.P.S. & CHLORINE BLDG.	<u>3,530.7 GALS.</u>
TOTAL GALLONS #2 FUEL OIL USED FOR HEATING PURPOSES	13,937.2 GALS.

GAS USED FOR HEATING FIELD LABORATORY 289.4 HUNDRED CUBIC FEET.

*USED ONLY IN CASES TO SUBSTITUTE CHEMLINE SLURRY

ELECTRIC POWER USED FROM THE GARBAGE INCINERATOR:

<u>1961</u>	<u>K.W.H.</u>
OCTOBER	236788
NOVEMBER	209100
DECEMBER	214550
<u>1962</u>	
JANUARY	332400
FEBRUARY	60000
MARCH	227200
APRIL	322400
MAY	256300
JUNE	250700
JULY	209800
AUGUST	187700
SEPTEMBER	<u>173600</u>
TOTAL	2,680538

THE EXPENDITURES FOR THE YEAR WERE AS FOLLOWS:

ITEM 0 PERSONAL SERVICES	\$287,264.86
ITEM 1 SERVICES OTHER THAN PERSONAL	177,190.01
ITEM 2 MATERIALS AND SUPPLIES	169,293.90
ITEM 5 CAPITAL OUTLAY EQUIPMENT	<u>71.89</u>
TOTAL	\$633,820.66

UNDER THE SUPERVISION OF THE ENGINEERING FIRM OF METCALF & EDDY, THROUGH THEIR ASSIGNED REPRESENTATIVE, MR. ARIEL A. THOMAS, VARIATIONS IN TREATMENT METHODS WERE CONTINUED IN AN EFFORT TO IMPROVE THE QUALITY OF THE FINAL EFFLUENT, AND ALSO TO INCREASE THE EFFICIENCY OF OPERATION DURING THE FISCAL YEAR 1961-1962.

DURING THE YEAR, DUE TO CAUSES STILL SUBJECT TO STUDY AND EVALUATION, THE EFFICIENCY OF THE TREATMENT PROCESSES WERE UPSET ON TWO SPECIFIC OCCASIONS BY THE EXPLOSIVE GROWTH OF THE SPHAEROTILUS MICRO ORGANISM (AN IRON BACTERIA). DURING THESE PERIODS THE QUALITY OF THE FINAL EFFLUENT DECREASED CONSIDERABLY OVER THE MAXIMUM ACCEPTABLE LOADINGS OF SUSPENDED SOLIDS AND BOD AS ESTABLISHED BY THE STATE DEPARTMENT OF SANITARY ENGINEERING. THE PRINCIPAL DISTURBING CHARACTERISTIC OF THE SPHAEROTILUS, IS THE CREATING OF BULKING IN THE FINAL TANKS, WHICH CAUSES AN EXCESS OF SUSPENDED SOLIDS TO BE CARRIED OUT IN THE FINAL EFFLUENT.

PRABABLY THE GREATEST BOTTLE-NECK IN EFFICIENT OPERATION PRESENTLY LIES IN THE INABILITY OF THE SLUDGE INCINERATOR TO CATCH UP WITH THE SOLIDS BUILD-UP RESULTING FROM SHUT DOWN PERIODS, WHICH ARISE WHEN REPAIRS RESULTING FROM NORMAL WEAR AND TEAR HAVE TO BE MADE. WORKING AT MAXIMUM CAPACITY, THE SLUDGE INCINERATOR CAN KEEP UP WITH DAILY SOLIDS REMOVAL. HOWEVER, AT SUCH TIMES AS IT MAY BE NECESSARY TO MAKE REPAIRS TO, OR REPLACEMENT OF INCINERATOR PARTS WHICH HAVE WORN OUT, OR BROKEN DOWN, DUE TO NORMAL OPERATING WEAR AND TEAR, IT BECOMES NECESSARY AT TIMES TO SHUT THE INCINERATOR DOWN FOR FOUR (4) OR FIVE (5) DAYS JUST IN ORDER TO MAKE A REPAIR OR REPLACEMENT THAT TAKES ONLY AN HOUR OR TWO TO MAKE. DURING THIS FOUR (4) OR (5) FIVE DAY PERIOD THE SOLIDS BUILD-UP BECOMES SUCH THAT THE INCINERATOR CANNOT CATCH UP WHEN PUT BACK IN OPERATION. THE REASON FOR THE LENGTHY PERIOD OF SHUTDOWN RESULTS FROM THE FACT THAT THE NORMAL OPERATING TEMPERATURE OF THE INCINERATOR IS APPROXIMATELY 1500°F. TO COOL THE INCINERATOR DOWN TO A TEMPERATURE WHEREIN PERSONNEL WILL BE ABLE TO MAKE THE REQUIRED REPAIRS, IT MUST BE COOLED AT A RATE NOT TO EXCEED 35°F PER HOUR. THIS SLOW COOLING PROCEDURE IS REQUIRED TO PREVENT DAMAGE TO THE FIRE BRICK OF WHICH THE 8 HEARTHS AND SIDE WALLS ARE CONSTRUCTED. AFTER REPAIRS HAVE BEEN COMPLETED, THE REVERSE OF THIS PROCEDURE IS REQUIRED TO BRING THE INCINERATOR BACK UP TO OPERATING TEMPERATURE.

MAJOR REPAIRS OR REPLACEMENTS MADE AT THE SEWAGE DISPOSAL WORKS DURING THE PAST FISCAL YEAR INCLUDED THE REBABBITTING OF THE MAIN SHAFT BEARINGS, AND REALIGNING THE SHAFTS ON NO. 1 AND NO. 2 ROOTS-CONNORSVILLE AIR BLOWERS. THE EXCITOR MOTOR ON NO. 2 AIR BLOWER ALSO HAD TO BE SENT OUT FOR REWINDING AND MACHINING OF THE ARMATURE AND FIELD MAGNETS. THIS WAS THE REPAIR OF AN INSTALLATION MADE IN 1936.

ONE OF THE 48" SLUDGE CONVEYOR BELTS SERVING THE VACUUM FILTERS IN THE FILTER BUILDING WAS REPLACED AS WAS ALSO THE CONVEYOR BELT IN THE LOWER CORRIDOR OF THE FILTER BUILDING AND THE INCLINE BELT TO THE SLUDGE INCINERATOR.

THE INSTALLATION OF THE SUPPLEMENTARY FLOTATION UNITS ON THE CORNER SCRAPERS OF PRIMARY CLARIFIERS 1, 2, AND 4 COMPLETED THESE MODIFICATIONS. THE ABOVE REPAIRS WERE MADE BY QUALIFIED TRAINED PERSONNEL PROVIDED BY THE VENDOR ASSISTED BY THE REGULAR PLANT PERSONNEL.

DURING THE YEAR PLANT PERSONNEL CORRECTED SOME FIFTY MECHANICAL BREAKDOWNS RESULTING FROM NORMAL OPERATIONAL WEAR. THEY ALSO PERFORMED FIFTY GENERAL REPAIR JOBS SUCH AS WASHING OUT TREATMENT TANKS, REMOVING TELESCOPING VALVES FROM PRIMARY SLUDGE WET WELL, REPLACING SECTIONS OF BROKEN CHAIN WITH CABLE ON COUNTER WEIGHTS FOR CORNER SCRAPERS, AND ASSISTING IN TEARING DOWN AND REMOVING OBSOLETE EQUIPMENT IN FILTER BUILDING AND SUCH. SOME FIFTEEN (15) ELECTRICAL FAILURES WERE ALSO CORRECTED.

DURING THE SUMMER MONTHS, TEMPORARY LABOR WAS AGAIN MADE AVAILABLE TO MAINTAIN PLANT PERSONNEL AT MAXIMUM STRENGTH DURING THE VACATION PERIOD. THIS HELP WAS PRIMARILY EMPLOYED IN MAINTENANCE AND GROUNDSKEEPING. WITH THEIR HELP, PRIMARY TANKS NO. 1 AND

NO. 4, AND FINAL TANK NO. 2 WERE GIVEN A COMPLETE RECOATING OF PRIMER AND FINAL COATS OF PAINT.

DUE CREDIT SHOULD BE GIVEN TO THE SEWER MAINTENANCE, HIGHWAY AND BRIDGE DEPARTMENTS FOR THEIR COOPERATION AND HELP IN RESOLVING SOME OF THE PROBLEMS OCCURRING AT THE DISPOSAL WORKS.

GARBAGE COLLECTION AND DISPOSAL

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

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

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

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

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

ITEM 0 PERSONAL SERVICES	631,554.01
ITEM 1 SERVICES OTHER THAN PERSONAL	182,568.13
ITEM 2 MATERIALS AND SUPPLIES	20,943.46
ITEM 5 EQUIPMENT	247.40

THE FOLLOWING IS THE TOTAL AMOUNT OF GARBAGE AND RUBBISH DISPOSED OF BY THIS DEPARTMENT FROM OCTOBER-1961 TO SEPTEMBER-1962:

<u>1961</u>	<u>GARBAGE (Tons)</u>	<u>RUBBISH (Tons)</u>
OCTOBER	3,141.60	2,301.50
NOVEMBER	3,112.60	2,421.00
DECEMBER	3,029.60	2,386.00
<u>1962</u>		
JANUARY	2,917.45	2,535.00
FEBRUARY	2,511.50	2,218.00
MARCH	2,559.00	2,380.00
APRIL	2,636.10	2,373.50
MAY	2,802.45	2,080.00
JUNE	2,585.40	2,174.50
JULY	2,662.30	2,126.40
AUGUST	2,786.15	2,622.60
<u>SEPTEMBER</u>	<u>2,544.15</u>	<u>2,361.50</u>
TOTAL	33,288.30	27,930.00

DAILY AVERAGE FOR COLLECTION BASED ON 312 WORKING DAYS 106.7 TONS

DAILY AVERAGE FOR DISPOSAL BASED ON 365 WORKING DAYS 167.8 TONS

TOTAL POWER GENERATED K.W.H.

AVERAGE DAILY DISTRIBUTED LOAD	11,400
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE DISPOSAL WORKS	7,361
AVERAGE DAILY DISTRIBUTED LOAD TO SEWAGE PUMPING STATION	707
AVERAGE DAILY DISTRIBUTED LOAD TO MUNICIPAL GARAGE	56
AVERAGE DAILY DISTRIBUTED LOAD TO HIGHWAY GARAGE	433
AVERAGE DAILY DISTRIBUTED LOAD TO GARBAGE INCINERATOR	2,842

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

<u>1951</u>	<u>TONS</u>
OCTOBER	900.50
NOVEMBER	905.00
DECEMBER	910.00

<u>1962</u>	
JANUARY	904.00
FEBRUARY	860.00
MARCH	949.50
APRIL	895.00
MAY	971.00
JUNE	860.00
JULY	806.00
AUGUST	970.00
SEPTEMBER	877.00

TOTAL 10,808.00

DURING THE FISCAL YEAR 40,000 GALLONS OF No. 6 FUEL OIL WERE USED TO MAINTAIN THE STEAM PRESSURE IN TIMES OF EMERGENCY OR MECHANICAL BREAKDOWN. 10,000 GALLONS OF THE ABOVE AMOUNT WAS PURCHASED BECAUSE OF LACK OF GARBAGE AND REFUSE DUE TO SNOW STORMS.

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

<u>1961</u>	<u>SEWAGE DISPOSAL</u>	<u>SEWAGE PUMPING</u>	<u>MUNICIPAL GARAGE</u>	<u>HIGHWAY GARAGE</u>	<u>STATION POWER</u>	<u>TOTAL</u>
OCT.	237,500	9,500	890	9,680	83,000	340,570
NOV.	209,100	11,500	1,248	9,770	97,400	329,018
DEC.	220,100	15,700	1,375	16,550	97,200	350,925
<u>1962</u>						
JAN.	332,400	40,600	1,003	23,160	111,000	508,163
FEB.	60,000	33,000	1,048	12,330	76,000	182,378
MARCH	227,200	27,300	1,040	13,730	93,000	362,270
APRIL	322,400	22,500	1,562	8,660	95,100	450,222
MAY	256,300	22,300	1,824	15,460	95,400	391,284
JUNE	250,700	18,300	2,300	17,552	95,000	383,852
JULY	209,800	17,600	2,476	18,460	17,600	265,936
AUGUST	187,700	19,800	2,500	7,410	86,500	303,910
SEPT.	<u>173,600</u>	<u>20,100</u>	<u>3,200</u>	<u>5,450</u>	<u>90,300</u>	<u>292,650</u>
TOTAL	2,686,800	258,200	20,466	158,212	1,037,500	4,161,178

FOLLOWING IS A SUMMARY OF THE REPAIR WORK PERFORMED IN THE COURSE OF THE FISCAL YEAR TO INCINERATOR PLANTS NOS. 1 AND 2.

THE 40 H.P. MOTOR IN THE CRANE OF PLANT No. 2 BROKE DOWN AND IT WAS NECESSARY TO HAVE IT OVER-HAULED. ALL WORK CONNECTED WITH THIS JOB, EXCEPT THE OVERHAUL, WAS DONE BY PLANT EMPLOYEES.

A LARGE PART OF THE CIRCULATING WATER LINES TO THE TURBINES WAS REPLACED. THESE/WERE LEAKING BADLY DUE TO CORROSION. THIS WORK CONSISTING OF REMOVING AND INSTALLING 12" AND 16" STEEL PIPE WAS DONE BY PLANT EMPLOYEES WITH THE EXCEPTION OF THE WELDING OF THE PIPE JOINTS.

A NEW POWER LINE FROM THE INCINERATOR PLANT TO THE CIRCULATING WATER PUMP HOUSE WAS INSTALLED. A REDUCING TRANSFORMER WAS REPLACED IN THE CIRCULATING WATER PUMP HOUSE.

THE BRICK WORK WAS RENEWED IN THE ENTRANCE TO BOILERS NOS. 3 AND 4.

FIVE BRICK ARCHES IN THE FURNACE OF PLANT No. 2 WAS RENEWED. IT WAS NECESSARY TO DISMANTLE AND REBUILD FIVE CHARGING DOORS IN PLANT No. 2. THE BRIDGE WALL IN PLANT No. 2 BURNED OUT AND IT WAS NECESSARY TO BUILD A NEW ONE. REPAIRED DEAD PLATE IN #5 CELL OF THE FURNACE IN PLANT No. 2. NEW WHEELS AND SHAFTS WERE INSTALLED ON THE CHARGING DOOR OF PLANT No. 2.

THE FIRST TWO ROWS OF TUBES IN BOILERS 3 AND 4 WERE REPLACED WITH NEW ONES.

THE DAMPER GATES IN BOILERS 3 AND 4 WERE REBUILT.

THE QUENCHING TANK IN PLANT No. 1 WAS REPAIRED.

A NEW 100 AMP. CIRCUIT BREAKER PANEL WAS INSTALLED IN THE TURBINE ROOM.

OVERHAUL JOBS WERE DONE ON THE AIR COMPRESSOR AND THE TERRY STEAM TURBINE.

REPAIRS WERE MADE TO A 15 HP MOTOR FOR THE AIR COMPRESSOR AND A 1/3 HP MOTOR FOR CIRCULATING WATER.

REFUSE COLLECTION AND DISPOSAL

THE REFUSE COLLECTION AND DISPOSAL SECTION IS RESPONSIBLE FOR THE COLLECTION AND DISPOSAL OF ALL NON-COMBUSTIBLE REFUSE FROM THE RESIDENTIAL SECTIONS OF THE CITY ONCE EACH MONTH. THE CITY IS DIVIDED INTO TWENTY ROUTES. SIX TRUCKS, SIX DRIVERS AND TWELVE LABORERS ARE USED IN THIS COLLECTION.

ALL MATERIALS COLLECTED ARE DISPOSED OF IN A SANITARY FILL LAND-DUMP SITUATED ON MANTON AVENUE NEAR THE JUNCTION OF CHALKSTONE AVENUE IN THE CITY. THIS SECTION HAS A BULLDOZER WITH AN OPERATOR WORKING AT THIS LOCATION TO MAINTAIN A CLEAN DISPOSAL AREA. ONE LABORER IS ALSO ASSIGNED TO THE DUMP. THE DUMP SITE IS OPEN FIVE DAYS A WEEK DURING THE YEAR.

THE TRUCKS USED ARE 16 CU. YARD LOAD PACKERS AND ARE RENTED FROM THE SANITATION SHOP AND STORES REVOLVING FUND ON TERMINAL ROAD.

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

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

ITEM 0 PERSONAL SERVICES	\$ 98,893.09
ITEM 1 SERVICES OTHER THAN PERSONAL	31,118.50
ITEM 2 MATERIALS AND SUPPLIES	<u>240.88</u>
TOTAL	\$130,252.47

THE TOTAL CUBIC YARDS COLLECTED FOR THE YEAR FOLLOWS:

<u>1961</u>	<u>TOTAL</u>
OCTOBER	4,250
NOVEMBER	4,144
DECEMBER	3,792
<u>1962</u>	
JANUARY	4,160
FEBRUARY	2,736
MARCH	4,288
APRIL	4,416
MAY	4,352
JUNE	4,272
JULY	4,029
AUGUST	3,961
SEPTEMBER	<u>4,165</u>
GRAND TOTAL	48,565

SANITATION SHOP AND STORES

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

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

SANITATION SHOP AND STORES

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

24	GARBAGE COLLECTION TRUCKS AND GAR-WOOD LOADPACKER TYPE BODIES.
8	REFUSE COLLECTION TRUCKS WITH LOADPAPER TYPE BODIES.
2	DUMP BODY TRUCKS.
2	PICKUP TRUCKS 1/2 TON CAPACITY.
6	PASSENGER CARS.
1	BULLDOZER.
1	SMALL AIR COMPRESSOR.

THE GARAGE AND REPAIR SHOP, AT 100 TERMINAL ROAD, IN THE FIELDS POINT SECTION OF THE CITY, CONSISTS OF TWO SECTIONS. ONE SECTION TWO HUNDRED FEET LONG AND ONE HUNDRED FEET WIDE IS USED FOR STORAGE OF EQUIPMENT. THE OTHER SECTION, ONE HUNDRED FEET LONG AND ONE HUNDRED FEET WIDE IS USED FOR REPAIR WORK AND STORAGE WHEN NECESSARY.

THE REPAIR SHOP HAS ALL MODERN EQUIPMENT TO CARRY ON THE WORK. A MACHINE SHOP IS PART OF THE REPAIR SHOP AND IT IS POSSIBLE FOR THE SECTION TO MAKE NEW PARTS OR REPAIR BROKEN ONES FOR ANY OTHER SECTION OF THE SANITATION DIVISION. THIS HAS SAVED BOTH TIME AND EXPENSE DURING THE PAST YEAR. HEAT AND POWER FOR THE ENTIRE BUILDING IS FURNISHED BY THE GARBAGE INCINERATOR CLOSE BY.

SANITATION DIVISION REVENUE

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

SEWAGE PUMPING STATION	\$ 36.67
SEWAGE DISPOSAL SECTION	149,578.49
GARBAGE COLLECTION AND DISPOSAL	2,733.45
REFUSE COLLECTION AND DISPOSAL	<u>815.00</u>
TOTAL	\$ 153,163.61

RECOMMENDATIONS.

IT IS SUGGESTED THAT THE BRICK WORK IN THE FURNACE AND COMBUSTION CHAMBER OF PLANT No. 2 BE REPLACED AS IT IS IN POOR CONDITION.

THE FLASHING AROUND THE BRICK SMOKE STACK IN PLANT No. 2 IS IN POOR CONDITION AND SHOULD BE REPLACED.

AN ENGINEER FROM THE HARNISCHFEGER CORPORATION SHOULD BE HIRED TO SUPERVISE THE WORK OF OVERHAULING THE ELECTRIC CRANE IN PLANT No. 1. THIS CRANE HAS BEEN IN SERVICE TWENTY-FIVE YEARS.

NEW PREHEATER TUBES SHOULD BE INSTALLED IN BOILERS No. 1, 2, 3 AND 4 REPLACING ONLY THE ONES FOUND TO BE IN POOR CONDITION.

THE DOORS IN FRONT OF THE GARBAGE PITS ARE NOT IN GOOD WORKING ORDER AND SHOULD BE REPAIRED.

IN BOTH CONDENSERS A NUMBER OF TUBES SHOULD BE REPLACED. WORK COULD BE DONE BY OUR EMPLOYEES.

A NUMBER OF CITIES MAKE A CHARGE FOR COMMERCIAL TRUCKS USING THEIR INCINERATOR FACILITIES FOR THE DISPOSAL OF COMMERCIAL RUBBISH. IF THE CITY DESIRED TO DO THE SAME, THE REVENUE DERIVED COULD BE USED TO ADVANTAGE IN MAKING NECESSARY REPAIRS TO THIS PLANT.

THE ROOF OF PLANT No. 1 IS LEAKING IN A NUMBER OF PLACES AND SHOULD BE REPAIRED.

THE EIGHT (8) TOP SECTIONS OF THE SLUDGE INCINERATOR STACK SHOULD BE REPLACED WITH A WELDED WROUGHT IRON STACK.

IMMEDIATE CONSIDERATION SHOULD BE GIVEN TO THE INSTALLATION OF A WARNING SYSTEM FOR THE DETECTION OF RADIO ACTIVE ISOTOPES TO BE INSTALLED AT SUCH A POINT IN THE SEWAGE SYSTEM THAT AMPLE TIME WILL BE AVAILABLE FOR PROTECTING PLANT PERSONNEL FROM RADIOACTIVITY.

THIS WARNING SYSTEM IS NOT A STAND-BY REQUIREMENT INCIDENTAL TO NUCLEAR ATTACK, BUT A FULL TIME NECESSITY REQUIRED BY THE INCREASED USE OF RADIO ISOTOPES IN INDUSTRY AND MEDICINE WHICH COULD INADVERTENTLY FIND THEIR WAY INTO THE CITY SEWAGE SYSTEM.

SHELTER OF SOME KIND AGAINST RADIO ACTIVE FALLOUT SHOULD BE PROVIDED AT THE SEWAGE DISPOSAL WORKS WITH SUPPLIES OF WATER, FOOD, AND BEDDING FOR A MAXIMUM OF 32 EMPLOYEES.

RESPECTFULLY SUBMITTED,

HOWARD F. CARPENTER
CHIEF OF SANITATION DIVISION.

HARBOR DIVISION

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

DEAR SIR:

FOLLOWING IS THE ANNUAL REPORT COVERING ACTIVITIES OF THE HARBOR DIVISION FOR THE YEAR ENDING SEPTEMBER 30, 1962.

MUNICIPAL DOCK.

THE MUNICIPAL WHARF ENJOYED AN APPROXIMATE TWENTY (20) PER CENT INCREASE IN TONNAGE HANDLED.

THE NEW SEAWALL EXTENSION WAS COMPLETED, GIVING THE FACILITIES ANOTHER 450 FT. OF BERTHING SPACE AS WELL AS AN ADDITIONAL TWENTY (20) ACRES OF BACK AREA FOR SHIPPING AND INDUSTRIAL DEVELOPMENT.

THE WESTGATE CORP. AND MERCHANTS COLD STORAGE CO. BOTH HAVE TAKEN OPTIONS ON SITES IN THE NEW AREA FOR THE PURPOSE OF ESTABLISHING A TUNA CANNING AND COLD STORAGE RESPECTIVELY.

IN CONJUNCTION WITH THE EFFORT TO INDUCE THE TUNA INDUSTRY TO ESTABLISH IN PROVIDENCE A \$38,000.00 LANDING PLATFORM WAS BUILT TO HANDLE THE CATCH MADE BY THE TUNA TRAWLERS OFF THE NEW ENGLAND COAST.

THE PLATFORM WAS NOT COMPLETED IN TIME TO PARTICIPATE DURING THE WHOLE SEASON BUT NEVER THE LESS SUFFICIENT TONNAGE WAS HANDLED TO PROVE THAT IT WAS ECONOMICAL TO MOVE THE CATCH THRU PROVIDENCE. IN VIEW OF THIS WE ANTICIPATE A GREAT INCREASE DURING THE 1963 SEASON.

THE ABBOTT GLASS CO. HAD BETTER THAN A ONE HUNDRED (100) PER CENT INCREASE IN THEIR TONNAGE.

DUE TO THE INCREASED ARRIVALS OF GLASS SHIPMENTS, OUR MOVEMENT OF GENERAL CARGO WAS SUBSTANTIALLY INCREASED.

THE LEHIGH PORTLAND CEMENT CO. PLANT WAS COMPLETED AND RECEIVED OVER 39,000 TONS.

CITIES SERVICE OIL CO. PLANT EXPERIENCED CONSIDERABLE DELAY IN CONSTRUCTION, THEREFORE WERE NOT ABLE TO RECEIVE ANY GREAT AMOUNT OF THE ANTICIPATED TONNAGE THAT WILL EVENTUALLY MOVE THRU THEIR PLANT.

THE REVENUE INCREASED A SUBSTANTIAL \$29,393.33 OVER LAST YEAR.

PASSENGERS AND CARGO HANDLED

PASSENGERS AND CARGO ARRIVING AT THE PROVIDENCE MUNICIPAL DOCK DURING PERIOD FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1962:

PASSENGERS	(412)	
PIG IRON		4,148 TONS
CEMENT		39,927 TONS
LUMBER	(48,431,938 BOARD FEET)	80,800 TONS
GLASS		15,786 TONS
NAILS		1,811 TONS

FISH	(992,000 LBS.)	496 TONS
CHEMICALS		3,530 TONS
STEEL		4,875 TONS
GASOLINE		297,699 TONS
FUEL OIL		191,747 TONS
KEROSENE		33,538 TONS
LUBRICATING OILS		10,794 TONS
ASPHALT		<u>5,356 TONS</u>
TOTAL		690,507 TONS

THE FOLLOWING CARGO WAS SHIPPED FROM THE CITY OF PROVIDENCE, MUNICIPAL DOCK, DURING THE PERIOD OF OCTOBER 1, 1961 TO SEPTEMBER 30, 1962 AND THE FOLLOWING NUMBER OF PASSENGERS SAILED:

PASSENGERS	412	
MACHINERY		1,021 TONS
SCRAP IRON		36,233 TONS
FISH		606 TONS
GASOLINE		10,798 TONS
FUEL OIL		19,855 TONS
KEROSENE		<u>2,179 TONS</u>
TOTAL		70,692 TONS

RECEIVED	690,507 TONS
SHIPPED	<u>70,692 TONS</u>
TOTAL	761,199 TONS

REVENUE

LEASE OF STORAGE WAREHOUSE	\$ 59,258.00
LEASE OF LAND	83,527.43
WHARFAGE	78,499.83
TRACKAGE	6,792.00
WATER	4,937.23
DOCKAGE	22,281.70
STORAGE	17,531.49
MISCELLANEOUS	<u>4,926.91</u>
	\$277,756.59

EXPENDITURES

ITEM 0	PERSONAL SERVICES	\$ 33,935.20
ITEM 1	SERVICES OTHER THAN PERSONAL	10,540.34
ITEM 2	MATERIALS AND SUPPLIES	<u>2,190.96</u>
		\$ 46,666.50

HARBOR MASTER

THE FOLLOWING VESSELS ARRIVED AT THE PORT OF PROVIDENCE DURING THE PERIOD
FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1962:

<u>MONTH</u>	<u>STEAMSHIPS</u>	<u>MOTOR VESSELS</u>	<u>BARGES</u>	<u>TUGS</u>	<u>U. S. N. DESTROYERS</u>
OCTOBER	32	38	10	44	
NOVEMBER	37	38	10	45	
DECEMBER	35	44	21	40	
JANUARY	53	46	20	72	
FEBRUARY	47	52	18	51	
MARCH	44	52	21	69	
APRIL	38	40	13	43	
MAY	36	50	10	60	
JUNE	43	55	12	50	1
JULY	25	69	9	49	
AUGUST	28	93	10	45	
SEPTEMBER	<u>34</u>	<u>46</u>	<u>8</u>	<u>55</u>	<u> </u>
	451	623	162	623	1

451	STEAMSHIPS
623	MOTOR VESSELS
162	BARGES
623	TUGS
<u>1</u>	U. S. N. DESTROYER

TOTAL 1,860

CARGO RECEIVED OCTOBER 1, 1961 TO SEPTEMBER 30, 1962

	GAS	FUEL OIL	KEROSENE	DIESEL	LUBE OIL	ASPHALT	CHEMICAL	CEMENT	LUMBER	COAL	GENERAL CARGO
OCT.	168,098	297,421	31,902	8,372	3,070	-	855	-	15,722	47,064	779
NOV.	151,333	261,981	29,363	11,765	7,170	16,716	4,422	-	4,813	72,397	3,387
DEC.	171,492	387,753	25,922	2,093	1,875	8,698	905	-	8,033	15,524	-
JAN.	219,730	476,602	30,835	1,602	1,828	11,433	4,210	-	7,840	25,425	1,645
FEB.	137,524	345,590	20,968	4,112	7,780	634	8,817	-	6,953	77,307	1,131
MAR.	227,495	417,741	26,459	3,775	4,315	4,833	3,434	-	9,626	44,432	4,891
APR.	204,213	353,432	15,633	15,264	8,421	-	5,060	2,539	1,480	42,234	-
MAY	188,253	218,010	12,087	2,564	5,640	5,633	-	6,273	9,456	34,890	4,088
JUNE	224,029	319,050	25,247	6,809	4,583	4,250	-	12,765	4,405	34,296	5,001
JULY	232,392	213,235	37,127	13,607	9,214	-	800	8,196	-	24,000	3,161
AUG.	231,328	221,349	395	8,759	4,540	58,534	1,736	9,108	5,970	52,875	2,847
SEP.	267,244	171,690	34,933	12,476	6,353	5,334	2,698	11,861	7,640	45,587	1,258
	<u>2,423,131</u>	<u>3,683,854</u>	<u>290,871</u>	<u>91,198</u>	<u>64,789</u>	<u>116,065</u>	<u>32,937</u>	<u>50,742</u>	<u>81,938</u>	<u>516,031</u>	<u>28,188</u>

TOTAL RECEIVED 7,379,744 TONS

PASSENGERS ARRIVED 814

CARGO SHIPPED OCTOBER 1, 1961 TO SEPTEMBER 30, 1962

	GAS	FUEL OIL	KERO	DIESEL	SCRAP	ASPHALT	GEN. CARGO
OCT.	25,795	20,416	532	1,708	2,652	-	-
NOV	34,456	30,097	5,654	1,497	10,114	-	-
DEC.	26,947	51,269	6,007	1,665	-	-	-
JAN.	20,281	67,602	4,618	1,025	9,354	-	-
FEB.	32,179	57,320	4,714	1,235	13,408	-	-
MAR	33,276	76,751	2,922	1,340	-	-	-
APRIL	22,715	21,993	6,795	-	-	4,952	-
MAY	38,533	34,978	2,495	1,725	28,398	5,500	-
JUNE	41,589	28,865	3,361	1,338	6,524	8,667	772
JULY	37,582	12,573	1,512	1,967	17,262	-	-
AUG.	49,687	16,187	2,152	1,579	4,798	12,909	-
SEPT.	38,882	14,019	2,346	1,168	-	3,500	606
TOTAL	401,912	432,070	43,108	16,247	92,528	35,528	1,378

TOTAL SHIPPED: 1,022,771 TONS
 CARGO RECEIVED 7,379,744 TONS
 CARGO SHIPPED 1,022,771 TONS
 TOTAL HANDLED 8,402,515 TONS

REVENUE

\$ 8.44

EXPENDITURES

ITEM 0 PERSONAL SERVICES	\$ 3,741.92
ITEM 1 SERVICES OTHER THAN PERSONAL	115.44
ITEM 2 MATERIALS AND SUPPLIES	<u>10.39</u>
TOTAL	\$ 3,867.75

RESPECTFULLY SUBMITTED,

JAMES J. FISHER
PORT AGENT.

PUBLIC SERVICE DIVISION

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

DEAR SIR:

I RESPECTFULLY SUBMIT THE FOLLOWING REPORT FOR THE PUBLIC SERVICE DIVISION FOR THE FISCAL YEAR 1961-1962.

SCHEDULES OF STREET LIGHTING DATA

	<u>O.H. A.N.</u> <u>600 CP.</u>	<u>U.G. A.N.</u>	<u>1000 CP.</u>	<u>U.G. H.N.</u>	<u>O.H. A.N.</u>
	<u>MERC. 6800 LU.</u>	<u>MERC. 2 LT. A.H. U.G.</u>	<u>MERC. VAP. O.H.</u>	<u>MERC. A.N. U.G.</u>	<u>SODIUM LIGHTS U.G. A.N.</u>
OCT. 1, 1961	29	302		3	26
SEPT. 30, 1962	29	280		3	26
CHANGES	0	22		0	0
OCT. 1, 1961	88	8	2116	1483	21000 MERC.
SEPT. 30, 1962	118	8	2093	1474	21
CHANGES	30	0	23	6	12
OCT. 1, 1961	140	100 CP. O.H. H.N.	MERC. VAP. 24 HR. U.G.	A.N. O.H. U.G. H.N.	
SEPT. 30, 1962	138	7836-B 9	44	520	15
CHANGES	2	7748 9	44	507	17
		88 0	0	13	2
			<u>SEPT. 30, 1961</u>	<u>SEPT. 30, 1962</u>	<u>CHANGES</u>
TOTAL NUMBER EQUIVALENT SINGLE INCANDESCENT LIGHTS			9119	8998	123
TOTAL NUMBER MERCURY LIGHTS 21,000, 15,000 & 7,000 LUMENS			3739	3697	42
TOTAL NUMBER EQUIVALENT SINGLE SODIUM LIGHTS			21	21	0

FROM MAY 1 TO OCTOBER 14, INCLUSIVE, THE H.N. LIGHTS BURN ONE EXTRA HOUR UNTIL 1 A.M.
THE UNITED TRANSIT COMPANY IS CHARGED FOR 1/2 THE COST OF THE 15,000 LUMEN U.G. MERCURY WHICH IS LOCATED AT THE THAYER STREET ENTRANCE TO THE TUNNEL.

B - INCLUDES 8 LIGHTS ON MONTGOMERY AVENUE FOR WHICH CRANSTON PAYS \$7.00 PER LIGHT PER ANNUM.
THESE CHARGES SHOWN FOR THE UNITED TRANSIT COMPANY AND THE CITY OF CRANSTON ARE BILLED BY THE CITY CONTROLLERS OFFICE.

THE RATES WHICH ARE AFFECTED BY FUEL COSTS ARE:
 GENERAL SERVICE RATE D, POWER RATE F., POWER RATE G.

NARRAGANSETT ELECTRIC COMPANY FUEL COSTS.

THE AMOUNT DETERMINED UNDER THE PRECEEDING PROVISIONS SHALL BE INCREASED OR DECREASED BY .000005 PER KILOWATT HOUR FOR EACH \$.01 INCREASE OR DECREASE IN COST OF FUEL, AS DEFINED IN THE COMPANY'S TERMS AND CONDITIONS, ABOVE OR BELOW \$10.75 PER NET TON. THE COST OF FUEL FOR ANY MONTH SHALL AFFECT THE PRICE OF ELECTRICITY BILLED IN THE SECOND MONTH FOLLOWING SUCH MONTH.

THE COST OF FUEL BY MONTH WAS AS FOLLOWS:

1961	SEPTEMBER	\$ 9.97*
	OCTOBER	10.009
	NOVEMBER	9.83
	DECEMBER	9.92
1962	JANUARY	10.11
	FEBRUARY	9.91
	MARCH	10.01
	APRIL	9.96
	MAY	9.80
	JUNE	9.86
	JULY	9.848
	AUGUST	9.879

THE ABOVE FIGURES SHOW THAT THE AVERAGE PRICE PER TON FOR THE YEAR WAS \$9.94 PER TON.

*STANDARD NET TON.

THE NUMBER OF LAMPS AND GLOBES REPORTED AS BROKEN ON STREET LIGHTS DURING THE YEARS 1960-1961-1962, IS AS FOLLOWS:

	<u>INCANDESCENT</u>	<u>LIGHTS BROKEN</u>	<u>MERC. GLOBES</u>
1960-1961	1	5716	122
1961-1962		6083	114

NARRAGANSETT ELECTRIC COMPANY

1. (A)	TOTAL NUMBER OF WOOD POLES IN CITY (INCLUDING THOSE JOINTLY OWNED, BUT NOT INCLUDING THOSE JOINTLY USED, WITH NO OWNERSHIP.)	18744
(B)	TOTAL NUMBER JOINTLY OWNED POLES WITH N.E.T. & T. CO.	13710
"	" " " " " " U.E.R. CO.	0
"	" " " " " " WES. UN. TEL. CO.	0
"	" " " " " " POS. TEL. CO.	0
"	" " " " " " N. E. T. & U. W.R. (3 PARTY)	0
"	" " " " " " U.E.R.& WES. UN. TEL. CO.	0
"	" " " " " " N.E.T. & WES. UN. TEL. CO,	0
2.	TOTAL NUMBER IRON POLES IN CITY	250
	NUMBER OF UNDERGROUND STREET LIGHT STANDARDS	2212
"	" " ORNAMENTAL ARC	0
"	" " ORNAMENTAL INCANDESCENTS (MERCURY VAPOR)	2212
"	" " GOOSE NECKS	0
"	" " ORNAMENTAL INC. WITH U.E.R. ps-2	0

	NUMBER OF IRON POLES WITH U.E.R.	0
	" " IRON POLES WITH U.E.R. & N.E.T. & T. CO.	0
	" " IRON POLES WITH N.E.T. & T. CO.	9
3.	TOTAL NUMBER MILES CONDUIT (TRENCH FEET) IN CITY.	83.30
4.	" " MILES CONDUIT (DUCT FEET) IN CITY.	689.69
5.	" " UNDERGROUND CABLE IN CITY	876.52
6.	" " MILES EQUIVALENT SINGLE UNDERGROUND CONDUCTOR	1239.97
6.(A)	" " AERIAL CABLE	312.81
6.(B)	" " EQUIVALENT SINGLE CONDUCTOR AERIAL CABLE	874.81
7.	" " AERIAL OPEN WIRE	3864.71
8.	" " SERVICE PIPES OR LATERALS	68.28
9.	" " COMMERCIAL TRANSFORMERS IN CITY	58.48
10.	" " CUSTOMERS SUPPLIED DIRECTLY BY U.G. CONNECTION	24670
11.	" " CUSTOMERS SUPPLIED DIRECTLY BY O.H. CONNECTION	50251
12.	" " METERS INSTALLED IN CITY	74921
13.	APPROXIMATE TOTAL NUMBER OF 1 ϕ 2 WIRE 115 V. METERS IN CITY	39648
14.	APPROXIMATE TOTAL NUMBER OF 1 ϕ 3 WIRE 115/230 V. METERS IN CITY	29810
15.	APPROXIMATE TOTAL NUMBER OF 1 ϕ 2 WIRE 250 V. METERS IN CITY	0
	APPROXIMATE TOTAL NUMBER OF 1 ϕ 3 WIRE 250/500 V. METERS IN CITY	0
	APPROXIMATE TOTAL NUMBER OF 3 ϕ 3 WIRE 115 V. METERS IN CITY	16
	APPROXIMATE TOTAL NUMBER OF 3 ϕ 3 WIRE 250 V. METERS IN CITY	240
	TOTAL NUMBER OF 3 ϕ 4 WIRE 120/208 V. METERS IN CITY	1625
	TOTAL NUMBER OF 1 ϕ 3 WIRE 120/208 V. METERS IN CITY	2195
	TOTAL NUMBER OF D.C. 2 WIRE AND 3 WIRE 250 AND 250/500 V. METERS IN CITY	63
	APPROXIMATE TOTAL NUMBER OF 3 ϕ 3 WIRE 575 V. METERS IN CITY	1324

PROVIDENCE GAS COMPANY

TOTAL GAS SERVICES IN PROVIDENCE		37,893
MILES OF MAIN		
L.P.	394 MILES	440 FEET
H.P.	8 MILES	183
NATURAL GAS	<u>1 MILE</u>	<u>1,800 FEET</u>
TOTAL	403 MILES	2,423 FEET OR 403.5 MILES
	PS-3	

GAS HOLDERS	4
NUMBER OF METERS (ACTIVE)	55,265
DECREASE IN GAS SERVICES 9/30/61 - 9/30/62	535
DECREASE IN MILES OF MAIN 9/30/61 - 9/30/62	1.5
DECREASE IN NUMBER OF METERS 9/30/61 - 9/30/62	1,156

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

TOTAL NUMBER WOOD POLES (INCLUDING JOINTLY USED, BUT NOT INCLUDING THOSE JOINTLY USED WITH NO OWNERSHIP)	16,895
TOTAL NUMBER OF JOINTLY USED POLES WITH N.E. CO.	13,710
TOTAL NUMBER OF MILES MAIN CONDUIT (TRENCH MILES)	62.40
TOTAL NUMBER OF MILES U.G. CABLE	291.42
TOTAL NUMBER OF MILES AERIAL CABLE	265.62
TOTAL WOOD TERMINAL BOXES ON POLES	201
APPROXIMATE NUMBER OF TELEPHONES SUPPLIED DIRECTLY BY UNDERGROUND OR BLOCK DISTRIBUTION	48,932
APPROXIMATE NUMBER OF TELEPHONES SUPPLIED DIRECTLY BY OVERHEAD LINES ON HIGHWAYS	43,980

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)	-158
ADDITIONAL MILES OF CABLE - U.G. AND AERIAL	16.46
INCREASE IN THE NUMBER OF TELEPHONES IN USE	-319

ESTIMATE

THIS REPORT COVERS PLANT STATISTICS AS OF SEPTEMBER 30, 1962

WESTERN UNION TELEGRAPH COMPANY

NUMBER OF POLES	NONE
NUMBER OF POLES JOINTLY OWNED	NONE
NUMBER OF FEET OF U.G. CONDUIT (TR. FT.)	276
NUMBER OF FEET OF U.G. CONDUIT	922.6
NUMBER OF MILES OF U.G. CABLE	.743
NUMBER OF MILES OF WIRE IN U.G. CABLE	65.12

NUMBER OF FEET OF TWISTED PAIR:

(A) ON LICENSED ATTACHMENTS PRIVILEGED TO PURCHASE THE POLES OF OTHER COMPANIES	16,200
(B) ACROSS STREETS	820
(C) OVER PRIVATE ALLEYS	280

MANHOLES OWNED	1
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TRAFFIC ENGINEERING DEPARTMENT

TOTAL NUMBER OF TRAFFIC SIGNAL HEADS	1,106
TOTAL NUMBER OF TRAFFIC SIGNAL POLES	577
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (LOCAL)	157
TOTAL NUMBER OF TRAFFIC SIGNAL CONTROLLERS (MASTER)	5
TOTAL NUMBER OF FEET OF UNDERGROUND DUCTS AND LATERALS	63,205
TOTAL NUMBER OF MILES OF UNDERGROUND CABLE	27.0

TOTAL NUMBER OF MILES OF AERIAL CABLE	5.0
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR (UNDERGROUND CABLE)	135.9
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR (AERIAL CABLE)	24.8

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

TOTAL NUMBER OF FEET OF DUCT SPACE BELONGING TO THE NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY ASSIGNED TO CITY USE.	52,530
TOTAL NUMBER OF FEET OF DUCT SPACE BELONGING TO THE FIRE DEPARTMENT OF THE CITY OF PROVIDENCE.	3,040
TOTAL NUMBER OF MILES OF EQUIVALENT SINGLE CONDUCTOR UNDERGROUND CABLE BELONGING TO THE CITY OF PROVIDENCE FIRE DEPARTMENT AND ASSIGNED FOR TRAFFIC ENGINEERING DEPARTMENT USE.	57.6

DEPARTMENT OF PUBLIC SAFETY

INVENTORY - SIGNAL CONSTRUCTION - FIRE ALARM DIVISION - POLICE SIGNAL SYSTEM

SEPTEMBER 30, 1962

	<u>TOTAL</u>	<u>AERIAL</u>	<u>U.G.</u>	<u>QUICK ACTION</u>	<u>DOOR TYPES</u>	
					<u>KEY</u>	<u>KEYLESS</u>
FIRE ALARM BOXES	948	579	369	926	9	13
CITY OWNED	664	401	263	664	0	0
PRIVATELY OWNED	284	178	106	249	9	13
POLICE CALL BOXES	167	103	64			
TOTAL NUMBER OF ALL BOX AND CABLE PEDESTALS						334
" " " " FIRE ALARM BOX PEDESTALS						231
" " " " POLICE BOX PEDESTALS						67
" " " " CABLE PEDESTALS ONLY						36
" " " " MILES OF UNDERGROUND CABLES						85.15
" " " " MILES OF PARKWAY CABLES						1.47
" " " " MILES OF AERIAL CABLES						3.52
" " " " MILES OF EQUIVALENT SINGLE CONDUCTOR - U.G.						1258.40
" " " " MILES OF EQUIVALENT SINGLE CONDUCTOR - AERIAL						129.30
" " " " MILES OF EQUIVALENT SINGLE CONDUCTOR - PARKWAY						6.42
TOTAL FOOTAGE OF ALL UNDERGROUND DUCTS AND LATERALS OWNED BY THE CITY						3445.6
TOTAL NUMBER OF POLES OWNED BY THE CITY						36

DECREASE IN THE NUMBER OF FIRE ALARM BOXES OWNED BY THE CITY...6
 INCREASE IN THE NUMBER OF FIRE ALARM BOXES PRIVATELY OWNED..7

STREET LIGHTING SUMMARY

THE HIGH STANDARD OF STREET LIGHTING ENJOYED BY THE CITIZENS ON THE TRAVELLED ARTERIES OF THE CITY OF PROVIDENCE HAS CONTRIBUTED IN NO SMALL WAY TO THE WELFARE OF THE PEDESTRIAN AS WELL AS THE MOTORIST IN PROTECTING THE LIVES AND PROPERTY OF ITS CITIZENS. IT HAS ALSO CONTRIBUTED TO THE LOW AMOUNT OF ASSUALT CASES ON THE CITY STREETS AFTER DARK.

IT HAS INCREASED PROPERTY VALUATION AND ACTED AS AN INCENTIVE TO PROPERTY OWNERS TO IMPROVE THEIR PROPERTY.

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

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

STREET LIGHT BREAKAGE HAS INCREASED THIS YEAR BY 367 WHICH HAS PROMPTED THIS DIVISION TO MAIL A WEEKLY COPY AND PERCENTAGE BREAKAGE TO COMMISSION LENNON, CAPTAIN NEIL AND COLONEL STONE. WE HAVE REQUESTED THE COMMISSIONER TO ALERT HIS PATROLMEN ON THIS INCREASED BREAKAGE WITH THE THOUGHT THAT IF THIS MALICIOUS BREAKAGE CONTINUES UNCHECKED, THE UTILITY COMPANY MIGHT ASK FOR A RATE INCREASE TO DEFRAY THIS EXTRA LIGHT BREAKAGE AND MAINTENANCE. THE REDEVELOPMENT AREAS HAVE SHOWN THE GREATEST AMOUNT OF BREAKAGE.

WE RECENTLY HAD A MEETING WITH THE RHODE ISLAND HISTORIC DISTRICT COMMISSION AND WE HAVE NOT AS YET COME TO ANY AGREEMENT ON STREET LIGHTING WITH AN HISTORICAL VINTAGE.

NEW ARRANGEMENTS AND AGREEMENTS HAVE BEEN MADE WITH THE NARRAGANSETT ELECTRIC COMPANY TO IMPROVE THE PRESENT LIGHTING ON OUR MAIN ARTERIES BY INCREASING THE LUMENS FROM 15,000 TO 21,000.

AT THE PRESENT TIME, THE LIPPITT HILL AREA IS BEING REDEVELOPED, AND WE SHALL ADEQUATELY RELIGHT THIS AREA WHEN THE TIME ARRIVES.

LIKewise, THE MASHAPaug AREA IS BEING REDEVELOPED, AND WE HAVE SOME LIGHTS TO BE REPLACED WHEN THIS AREA IS COMPLETED. WE HAVE ALREADY RELIGHTED THE IMMEDIATE AREA OF HUNTINGTON AVENUE WITH 7,000 AND 21,000 LUMEN MERCURYS IN CONJUNCTION WITH THIS PROJECT.

THIS YEAR WE ARE RELIGHTING ONE OF OUR MAJOR STREETS, NAMELY BROAD STREET, WITH NEW 21,000 LUMEN MERCURY VAPOR LUMINAIRES TO REPLACE THE OLD 10,000 LUMEN INCANDESCENTS NOW IN SERVICE. THE JOB SHOULD BE COMPLETED BY THE END OF NOVEMBER. ELMWOOD AVENUE WILL BE OUR NEXT MAJOR HIGHWAY TO BE RELIGHTED.

WE ARE NOW DIRECTING OUR EFFORTS TO THE NORTH-SOUTH FREEWAY FROM HAYWARD PARK TO CHALKSTONE AVENUE, WHICH IS CALLED ROUTE #95.

THE CENTRAL-CLASSICAL REDEVELOPMENT AREA IS NOW IN PROGRESS, AND WE SHALL WORK IN CONJUNCTION WITH THE UTILITY COMPANY IN REMOVING AND REPLACING LIGHTS AS THE PROJECT DEVELOPS.

IN THE DISTANT FUTURE WE WILL BE CALLED UPON TO RELIGHT A DOWNTOWN SHOPPERS MALL IN THE VICINITY OF WESTMINSTER STREET, WHICH IS ON THE DRAWING BOARDS OF THE CITY PLAN AND REDEVELOPMENT DEPARTMENTS. WE HAVE RECENTLY INSPECTED SOME 60,000 LUMEN MERCURY LIGHTS IN UPPER DARBY, PHILADELPHIA, PENNSYLVANIA, AND LOWELL, MASSACHUSETTS, IN CONJUNCTION WITH THIS PROJECT.

NEGOTIATIONS ARE STILL GOING ON BETWEEN THE PUBLIC SERVICE ENGINEER, PUBLIC WORKS DEPARTMENT AND THE NARRAGANSETT ELECTRIC COMPANY, TO FORMULATE A NEW CONTRACT OR AGREEMENT BETWEEN THE UTILITY COMPANY AND THE CITY OF PROVIDENCE.

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

CONSEQUENTLY, IT WOULD SEEM ADVISABLE AGAIN TO RECOMMEND TO THE DEPARTMENT THAT AN ASSISTANT BE ADDED TO THE STREET LIGHTING DEPARTMENT TO MAINTAIN AND KEEP UP TO DATE CARD FILES AND OUTAGE RECORDS SO THAT OUR DEPARTMENT CAN WORK IN CLOSER PROXIMITY AND MORE EFFICIENCY WITH BOTH UTILITY COMPANIES.

THERE IS A CONSIDERABLY LESS NUMBER OF UTILITY POLE PETITIONS RECEIVED AND FIELD CHECKED BY THIS DEPARTMENT THIS YEAR BECAUSE NEITHER ONE OF THE UTILITY COMPANIES HAD A DEPRECIATION SURVEY CONDUCTED. THE 190 FIGURE REPRESENTED NEW AND REGULAR MAINTENANCE WORK.

THERE HAVE NOT BEEN ANY GAS TESTS CONDUCTED BY THIS DIVISION FOR SOME TIME, TO CHECK THE B.T.U. CONTENT OF ILLUMINATING NATURAL GAS, BECAUSE OF THE LACK OF PERSONNEL, THE INADEQUATE LABORATORY CONDITIONS AND THE UNWORKABLE CONDITION OF THE TWO PIECES OF GAS TESTING EQUIPMENT.

AN ADDED DUTY OF THIS DIVISION IS THE FIELD INSPECTION AND APPROVAL OF ALL PERMITS AND THE CHECKING OF SOIL RESISTIVITY, WHICH AMOUNTED TO APPROXIMATELY 900 PETITIONS.

THE SIGN INSPECTIONS BY THIS DIVISION WERE PROMPTED BY SOME NEAR FATALITIES IN THE PAST, WHICH IS NOW CONTROLLED BY ALLOWING SIGNS TO BE ONLY AS NEAR HIGH TENSION WIRES AS THE NATIONAL SAFETY CODE STANDARD ALLOWS AND RECOMMENDS.

THIS DIVISION ALSO FIELD CHECKS, INSPECTS AND APPROVES ALL PETITIONS SUBMITTED FOR THE INSTALLATION OF ALL UNDERGROUND CONDUIT AND DUCT LINES INSTALLED IN PROVIDENCE BY THE NARRAGANSETT ELECTRIC COMPANY, PROVIDENCE GAS COMPANY, NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY, WESTERN UNION TELEGRAPH COMPANY, DEPARTMENT OF PUBLIC SAFETY AND THE TRAFFIC ENGINEERING DEPARTMENT.

CHRISTMAS DECORATIONS HAVE BEEN INSPECTED AND APPROVED AT OLNEYVILLE SQUARE, MOUNT PLEASANT AREA, WAYLAND SQUARE, FEDERAL HILL AND THE DOWNTOWN AREA, SPONSORED BY THE VARIOUS BUSINESSMEN'S ASSOCIATIONS.

THIS DIVISION ALSO CHECKED AND APPROVED ALL MONTHLY DEPARTMENTAL ELECTRIC AND GAS BILLS RENDERED TO ALL CITY OF PROVIDENCE DEPARTMENTS.

RESPECTFULLY SUBMITTED,

PETER J. HICKS, JR.
PUBLIC SERVICE ENGINEER.

IN CITY COUNCIL

READ:

WHEREUPON IT IS ORDERED THAT
THE SAME BE RECEIVED.

CLERK