

capital funds
Budget
2016-2017



Mayor Scott Avedisian

May 10, 2016

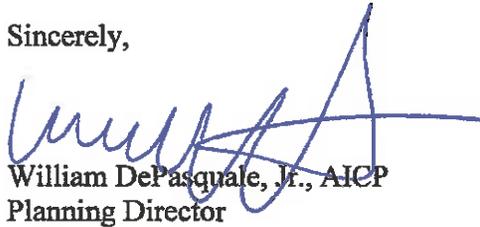
The Honorable Scott Avedisian, Mayor
The Honorable Members of the City Council
Warwick City Hall
Warwick, RI 02886

Pursuant to Article V, Section II and Article VIII, Section 12 of the Charter of the City of Warwick, adopted in 1960, this annual report on the Capital Improvements Program and Budget for fiscal year 2016-2017 is hereby submitted.

The Program and Budget has been prepared by the Department of City Plan and various departments have cooperated fully in the preparation of this report. An annual re-appraisal of the projects beyond fiscal year 2016-2017 will provide guidelines for the necessity and priority ratings of the different projects.

It is our hope that this annual Capital Expenditure Program and Budget Report will be helpful in providing the framework in which the Executive and Legislative branches of the government can make the necessary policy decisions for public improvements.

Sincerely,



William DePasquale, Jr., AICP
Planning Director

**CAPITAL IMPROVEMENTS
PROGRAM AND BUDGET
2016-2017**

Prepared by the Department of City Plan
City of Warwick, RI

May 2016

TABLE OF CONTENTS

	Page
Introduction	
Capital Improvements Program and Budget	1
ELEMENT I. <u>CITY DEPARTMENTS</u>	4
<u>Public Works</u>	
PW-1 Streets & Stormwater	5
<u>Police Department</u>	
P-1 Parking Lot Resurfacing	6
P-2 Headquarters Improvements	7
P-3 Police & Fire Combined Radio Communication	8
P-4 Miscellaneous Security Improvements	9
<u>Fire Department</u>	
F-1 Fire Station Site and Building Improvements	10
F-2 Vehicle Replacement	11
<u>Library</u>	
L-1 Building & Site Improvements	12
<u>School Department</u>	
S-1 Fire Protection	13
S-2 Building Improvements	14
S-3 Building Mechanical Systems Improvements	15
S-4 Site Improvements	16
<u>MIS</u>	
MS-1 GIS	17
MS-2 Phone System	18
MS-3 Fiber	19
ELEMENT I Appendix	20

ELEMENT II. <u>WATER DEPARTMENT and WARWICK SEWER AUTHORITY</u>	23
<u>A. Water Department</u>	
W-1 Capital Improvements and Infrastructure Replacement.....	24
<u>B. Warwick Sewer Authority</u>	
WSA-1 WWTF Facility Improvements	25
WSA-2 Levee Improvements.....	26
WSA-3 Governor Francis III	27
WSA-4 O'Donnell Hill Extension	28
WSA-5 Cedar Swamp Force Main/Interceptor/Pump Station	29
WSA-6 Northwest Gorton's Pond	30
WSA-7 Bayside.....	31
WSA-8 Warwick Neck South Extension	32
WSA-9 Strawberry Field Road II	33
WSA-10 Greenwood East.....	34
WSA-11 Pilgrim Park	35
WSA-12 GAPS	36
WSA-13 Capital Improvement Projects	37
ELEMENT II Appendix	38
ELEMENT III <u>FINANCIAL ANALYSIS</u>	41

CAPITAL IMPROVEMENTS PROGRAM AND BUDGET

Fifty-six years ago, the Department of City Plan transmitted the first Capital Improvements Program and Budget as required by Article V (11) of the City Charter to the Office of the Mayor and to the City Council.

A Capital Improvements Program

A Capital Improvements Program is, in essence, a listing of the priorities of those vitally necessary items of the community within the context of the community's fiscal ability to meet them during a five-year program period. Obviously, such a program cannot be a static program. There must be a yearly re-appraisal of the changing needs of the community and the opportunity to adjust these changes in priority ratings for capital improvements.

In order to do this type of scheduling of capital improvements, a longer period than simply one year is required. A period of at least five years beyond the current fiscal year is required to forecast where the City believes it will face future demands and growth and allow for careful planning and management of capital and infrastructure assets. Capital improvements are projects with long, useful lives that maintain, upgrade or replace public infrastructure and public service providing facilities.

Each year, the City of Warwick produces a CIP, a spending "blueprint" based upon the most current project priorities and needs. Continued investments in infrastructure and facilities are critical to support and enhance neighborhoods, stimulate the economy and improve services.

Planning for capital improvements is an ongoing process. As the City's infrastructure ages and as needs change, capital programs and priorities must be adjusted. New construction may be required to accommodate increased demand or replace aging facilities while existing infrastructure requires periodic rehabilitation, replacement or other improvements to protect the City's previous investments. The CIP is not intended to be an all-inclusive inventory of the City's capital needs for the upcoming five years. It is a document that summarizes planned or needed capital improvements.

A Capital Improvements Budget

A Capital Improvements Budget is the logical tool for implementation of the Capital Improvements Program. It lists the necessary capital improvements and, more importantly, recommends a schedule of when bonds should be issued without impairing the credit posture of the community.

The Capital Improvements Budget differs from the operational budget in that it will cover items that cannot be financed through current City revenue and involves projects of a relatively lasting nature. The benefits to Warwick to be derived from a Capital Improvements Program and Budget are:

- 1) Improvements will be undertaken in the order of their importance to the community.
- 2) Interrelationships of proposed improvements will be recognized and coordination made possible.
- 3) The relationship of the proposed improvements to the operation and maintenance factors of the cost of City government will be indicated.
- 4) Financing of the cost of the proposed improvements can be more advantageously arranged.
- 5) Debt service requirements for the financing of the proposed improvements can be coordinated with the requirements of existing debt and other demands against the revenues of the City.
- 6) Ultimate economy will ensue.

The reasons for adopting the Capital Budget prior to the commencement of the fiscal year are:

- 1) Debt service requirements for the proposed improvements can be coordinated with the requirements of existing debt service requirements and other requirements of revenues of the City.
- 2) Any bond ordinances adopted during the fiscal year may require a special election with its attendant unanticipated expenditures.
- 3) If bonds are issued and payment of principal and interest is required during the fiscal year, it will require further unanticipated amounts clearly not budgeted.

ELEMENT I

CITY DEPARTMENTS

PROJECTS AND RECOMMENDATION

PUBLIC WORKS

PW- 1 Streets and Stormwater

The maintenance of City streets comprises a large expenditure of the City's budget. This program is a continuous project that involves the overlaying of streets as prioritized by the Engineering Division in concert with the Public Works Director, the Mayor and the City Council. Stormwater improvements are focused on controlling and alleviating flooding, improving water quality and ensuring compliance with Phase II stormwater requirements as administered by the RIPDES program.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Amount:	\$1,100,000	\$1,100,000	\$1,100,000	\$1,100,000	\$1,100,000

POLICE DEPARTMENT

P-1 Parking Lot Resurfacing

The front and rear asphalt parking lots at Police Headquarters are in need of resurfacing. Since the last proposal, additional erosion of parking areas has intensified, which will result in additional, significant repair costs if delayed further. The lot was last resurfaced in the 1970's. The repaving project should also result in creating some additional parking space that was reduced as a result of the fire construction project. The estimated cost for this project is based on the Department of Public Works constructing the project. This is a phased approach, with the rear lot to be completed first and the front lot to follow in conjunction with building improvements.

Allocation of funds:

Year: 2016-2017
Amount: \$150,000

P-2 Police Headquarters Improvements

Due to security concerns and special limitations, the Police Department foresees the need to construct an addition to the front of the building to create a more secure entrance and to limit vulnerability to potential threats/attacks. This project includes renovations to the front entrance and interior adjustments to the first and second floor office areas. The proposed budget is to contract with an architectural firm for the design, engineering, cost proposals, estimates and related work.

Specifically, the plan would include re-configurations of the main lobby areas (first and second floor); second floor office space to include: administrative lobby, Detectives' administrative offices and expansion of the Detective work area; improvements to the BPS Conference Room, which has not been renovated since 1976, and the Men's locker room to include a new roof and flooring. The roof has a persistent and pervasive leak; the floor needs resurfacing and the bathroom area is in need of plumbing upgrades.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Amount:	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

P-3 Police & Fire Combined Radio Communication Upgrade

The proposed project would combine the communication platforms for both the Fire and Police Departments reducing the long-term costs on infrastructure after the five-year lease purchase period. The system would then be operational and owned by the city with a reduction in yearly maintenance costs. The proposed system is a dual purpose Microwave system designed to serve both Police and Fire, which will provide for long-term reliability, costs savings and system security. The proposed platform provides secure communications regulated by the FCC; is compatible with the existing analog system and would not require a conversion to digital radios and is more reliable because of its location on communications towers. It is expected that this system will also provide long-term cost savings to the City.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Amount:	\$72,000	\$72,000	\$72,000	\$72,000	\$72,000

P-4 Police Miscellaneous Improvements Security and Systems

These projects include installation of motorized security fencing gates for the back parking lot to provide a more secure environment for Department assets and resources such as Crime Scene van, SWAT units and other specialty vehicles. This project would complete the security project for the rear of the building and limit exposure to malicious acts and is estimated to cost \$40,000. The proposal is to install gates at two locations: at the entrance from Court Street and Bragger Street and the entrance from Pleasant Street (Veterans Memorial Drive).

This project will also provide for upgrades to the Community Room Air Conditioning Unit (\$21,500), which is 40 years old and in need of immediate replacement as it is currently beyond repair and unable to compensate for the seasonal thermal load.

Allocation of funds:

Year:	2016-2017	2017-2018
Amount:	\$21,500	\$40,000

FIRE DEPARTMENT

F-1 Fire Station Site and Building Improvements

Replacement of windows at Stations 2, 5 and 6 (\$35,000) to replace windows that are more than 40 years-old; replacement of furnace at Stations 4,5,6 and 9 (\$164,000) to replace inefficient and obsolete heating systems – future energy savings expected through more efficient replacement systems; and paving of ramps at Stations 1, 2, 3, 4, 5 ,6, 8, and 9, all of which suffer from ramps that have deteriorated and are creating an unsafe situation for equipment (\$80,000).

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Amount	\$75,000	\$60,000	\$62,000	\$62,000	\$20,000

F-2 Vehicle Replacement

The Fire Department's five-year vehicle replacement plan includes the following Vehicle Replacement: Engine Replacements (5, 8, 2, 1, 10, and 3: \$2,910,000); Battalion Replacement (2 and 1: \$85,000); Ladder 1 Replacement (\$1,000,000); Rescue 2 Replacement (\$230,000); Special Hazards Replacement (\$650,000).

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Amount	\$950,000	\$1,225,000	\$970,000	\$925,000	\$990,000

LIBRARY

L-1 Building and Site Improvements:

Replace windows in Apponaug (\$23,000), Conimicut (\$11,000), and Norwood (\$28,000) Branch Libraries. These branches, built in the 1920s, still have original windows. Replacement windows with high-efficiency ratings will reduce heating/cooling costs and create a more comfortable library environment. Emergency egress door at the Central Library (\$14,460); Building Lighting at the Central Library (\$15,120); and new signage at the Central Library and branches (\$21,272). The Library has a new logo and branding and the intent is to update the existing signs to reflect the new logo.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020
Amount:	\$50,852	\$11,000	\$28,000	\$23,000

SCHOOL DEPARTMENT

S-1 Fire Protection

Fire Alarms - Toll Gate High School: The existing fire alarm system has been cited by the Warwick Superintendent of Fire Alarms as in need of replacement.

Allocation of funds:

Year: 2018-2019
Amount: \$288,000

S-2 Building Improvements

The School Department is seeking a bond issuance for the repair and renovation of various schools throughout the City as well as upgrading existing facilities. Projects included in this category include security enhancements, roof replacements, ACBM abatement, stage floor replacements, facility handicap accessibility and stage curtain replacements.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Amount:	\$2,835,760	\$3,374,304	\$1,618,985	\$136,991	\$739,750

S-3 Building Mechanical Systems

The School Department is seeking a bond issuance for the repair and renovation of various schools throughout the City as well as upgrading existing facilities. Projects included in this category include dust filter replacements (shops), steam systems, elevator improvements, lighting improvements, emergency generators, intercom systems, coolers, refrigerator, and boiler replacements.

Allocation of funds:

Year:	2017-2018	2018-2019	2020-2021
Amount:	\$3,697,730	\$1,088,367	\$134,032

S-4 Site Improvements

The School Department is seeking a bond issuance for the repair and renovation of various schools throughout the City as well as upgrading existing facilities. Projects included in this category include sewer connections; paving improvements; curb work; and athletic track resurfacing.

Allocation of funds:

Year:	2016-2017	2017-2018	2019-2020	2020-2021
Amount:	\$595,000	\$325,000	\$160,119	\$150,535

MANAGEMENT INFORMATION SERVICES

MS-1 Geographic Information System

A Geographic Information System (GIS) integrates hardware, software, and data for capturing, managing, analyzing, and displaying all forms of geographically-referenced information. The City's digital parcel database is over 14 years old and in need of updating. Additionally, there is an institutional need for the City to implement a GIS to improve operational efficiencies and to better serve the public by providing access to digital data layers that can be distributed online.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Amount:	\$25,000*	\$25,000*	\$25,000	\$25,000	\$25,000

*partially subject to grant funding

MS-2 Phone System

Replacement of the City's phone system through implementation of a converged voice/data network.

This project is an attempt to implement a new integrated Citywide Voice/IP telephone system to replace the City's existing AT&T Definity PBX, Verizon Centrix, COMDIAL, and Warwick Public Library telephone systems with a single, fully integrated and feature rich telephone system. In addition, the City's 15 year old AT&T PBX telephone system has been experiencing failures since September 2000, and the replacement parts are no longer manufactured.

Allocation of funds:

Year:	2017-2018
Amount:	\$850,000

MS-3 FIBER

Optical Fiber is to transmit telephone signals, Internet communication, and cable television signals. Due to much lower attenuation and interference, optical fiber has large advantages over existing copper wire in long-distance and high-demand applications.

Allocation of funds:

Year:	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
Amount:	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

ELEMENT I

APPENDIX

City of Warwick, Rhode Island
2016-2017 Capital Improvements Program and Budget

2016 CAPITAL IMPROVEMENT PROGRAM: CITY DEPARTMENTS

<u>Department Project</u>	<u>2016-2017</u> (000's)	<u>2017-2018</u> (000's)	<u>2018-2019</u> (000's)	<u>2019-2020</u> (000's)	<u>2020-2021</u> (000's)	<u>2021-2022</u> (000's)	<u>Total</u> (000's)
<u>Public Works</u>							
PW-1 Streets & Stormwater Improvements	1100 a		5500				
<u>Police Department</u>							
P-1 Parking Lot Resurfacing	150 a						150
P-2 Headquarters Improvements	100 a		500				
P-3 Police & Fire Combined Communications	72 a		360				
P-4 Misc Security Improvements	22 a	40 a					
<u>Fire Department</u>							
F-1 Fire Station Site & Building Improvements	75 c	60 a	62 a	62 a	20 a		279
F-2 Vehicle Replacement Plan	950 a	1225 a	970 a	925 a	990 a		5060
<u>Library</u>							
L-1 Building & Site Improvements	51 a	11 a	28 a	23 a			113
<u>School Department</u>							
S-1 Fire Code Protection			288 b				288
S-2 Building Improvements	2836 c	3374 b	1619 b	137 b	740 b		8706
S-3 Building Mechanical Systems		3698 b	1088 b		134 b		4920
S-4 Site Improvements	595 c	325 b		160 b	151 b		1231
<u>MIS</u>							
MS-1 Geographic Information System	25 a,c	25 a	25 a	25 a	25 a		125
MS-2 Phone System		850 a					850
MS-3 Fiber		250 a	1250				
Total (000's)	5976	11130	5602	2854	3582	250	29394

2016 CAPITAL IMPROVEMENT PROGRAM: CITY DEPARTMENTS

<u>Department Project</u>	<u>2016-2017</u>	<u>2017-2018</u>	<u>2018-2019</u>	<u>2019-2020</u>	<u>2020-2021</u>	<u>2021-2022</u>	<u>Total</u>
	(000's)	(000's)	(000's)	(000's)	(000's)	(000's)	(000's)
Funding Sources							
A. General Operations	2470	3733	2607	2557	2557	250	14174
B. Bonds Unissued		7397	2995	297	1025		11714
C. Bonds Issued	3506						3506
D. Future Bond							0
E. Fed Grant							0
F. State Grant							0
G. Lease Purchase/other							0
Total (000's)	5976	11130	5602	2854	3582	250	29394

ELEMENT II

- A. Warwick Water Department*
- B. Warwick Sewer Authority*

DEPARTMENT PROJECTS AND RECOMMENDATION

A. WATER DEPARTMENT

W-1 Water Department Capital Improvements and Infrastructure Replacement

The proposed expenditure of capital funds for the future reflects the upgrade of the existing infrastructure, transmission and distribution systems. Funds will be used to upgrade and expand the existing transmission and/or distribution system, including the elimination of dead-ended lines and increased fire protection in conjunction with state and local road/wastewater projects.

Allocation of Funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
Amount:	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000

B. WARWICK SEWER AUTHORITY

WSA-1 WWTF Facility Improvements

Improvements to protect the wastewater treatment facility to the 500-year flood level and meet new effluent permit limits of 8 mg/l total nitrogen and 0.1mg/l total phosphorous. The work also includes improvements to the preliminary screening and solids handling process. Benefits include reduced nutrient loading to surrounding waterways and a risk reduction from flooding and catastrophic loss of sewer service.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019
Amount:	\$2,834,204	\$2,000,000	\$600,000

WSA-2 LEVEE IMPROVEMENTS

Improvements to Levee protecting the infrastructure located at the treatment plant. The Levee is affording additional protection from riverine flooding to account for the March 2010 flood event.

Allocation of funds:

Year:	2016-2017
Amount:	\$2,673,845

WSA-3 Governor Francis – Phase III (Contract 85B)

Phase III of three-phase project providing sewers to the Governor Francis neighborhood. This project will provide sewer service to approximately 280 properties. Area includes the area south of Governor Francis Farms Phase I, Namquid on the north and Squantum and Apple Tree Lane on the south. Collection system is 90% designed; need to acquire property for pumping station and complete station design and archaeological study on Pump Station lot.

Allocation of funds:

Year:	2016-2017	2017-2018
Amount:	\$3,600,000	\$1,500,000

WSA-4 O'Donnell Hill Sewer Extension (69A)

The O'Donnell Hill area wastewater collection system is comprised of 90 residential dwelling units. The WSA receives numerous calls about failing on-site systems in this neighborhood. Streets include Wallace Avenue, Adelaide Avenue, Levesque Street, Jambray Court, O'Donnell Avenue and Dongay Avenue. The collection system (consisting of approximately 5,700 linear feet of gravity sewers) will discharge to the Natick pumping station, which connects to the West Warwick Sewer System.

Allocation of funds:

Year:	2016-2017	2017-2018
Amount:	\$1,300,000	\$300,000

WSA-5 Cedar Swamp Force Main Improvement (Phase I & II) & Interceptor/Pump Station

The force main has structural deficiencies that could result in catastrophic failure. Potential for replacement of 10,460 feet of force main, including manholes and air release valves. This force main transports wastewater from the Cedar Swamp Pump Station which services over one-third of the City. This will have beneficial impacts on Warwick Pond and Buckeye Brook. This project will reduce the likelihood of sanitary sewer overflows.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019
Amount:	\$1,000,000	\$500,000	\$500,000

WSA-6 Northwest Gorton's Pond (Contract 90)

The Northwest Gorton's Pond area is located west of Big Gorton's Pond and contains approximately 309 residential units. It is estimated that 16,000 linear feet of laterals and 4,000 linear feet of low-pressure force main will be required. This project could be divided into two projects and will require acquisition of land for pump stations.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019
Amount:	\$75,000	\$2,225,000	\$3,700,000

WSA-7 Bayside (Contract 86A/B)

Design and construction of sewers for a portion of the north end of Warwick Neck: south of West Shore Road, east of Narragansett Bay, north of Van Zandt Avenue, along Tidewater Drive and generally east of Hope Avenue. Beneficial impacts to Narragansett Bay, Buckeye Brook, Old Mill Creek and Mill Cove. The project will serve 440 properties. Need to complete archaeological studies for the main interceptor on Tidewater Drive as well as other areas in order to re-design around the feature and burials. Need to acquire land for pumping station and to design sewer crossing over Mill Creek Bridge. Phase 2 of a 5-phase project. This project will provide sewer service to approximately 370 properties. Project area is generally the north end of Warwick Neck and south of Van Zandt Avenue, generally around the eastern end of Samuel Gorton Avenue and north of Alden Avenue. Need to complete subsurface borings and acquire pump station land; also need to complete archaeological study of the Pump Station lot.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019
Amount:	\$2,000,000	\$12,000,000	\$7,330,000

WSA-8 Warwick Neck South Sewer Extension

The Warwick Neck South wastewater collection is comprised of approximately 200 residential dwelling units. The WSA recently added this to its Facilities Plan due to numerous on-site system failures. Preliminary design consists of a combination of 10,800 linear feet of gravity, 20,900 linear feet of low-pressure sewers and 5,200 linear feet of force main that will discharge into the Angelsea pumping station. Projected construction start date 2020.

Allocation of funds:

Year:	2018-2019	2019-2020	2020-2021
Amount:	\$400,000	\$10,000,000	\$3,000,000

WSA-9 Strawberry Field Road II

Project includes the following streets: the western end of Strawberry Field Road, Carney Road, Burgess Drive, Adrian Street, Brentwood Avenue and Everglade Avenue. The project will provide water quality benefits for Tuscatucket Brook and Greenwich Bay. Projected start date is 2021, with a projected total cost at \$1,000,000.

Allocation of funds:

Year:	2021-2022
Amount:	\$250,000

WSA-10 Greenwood East

Project area includes over 570 properties southwest of T.F. Green Airport between Post Road and Walnut Glen Drive as well as the neighborhood west of the airport bordered by Post Road and Main Avenue.

Allocation of funds:

Year: 2021-2022

Amount: \$25,000

WSA-11 Pilgrim Park

Design and completion of this project area includes the north side of Centerville Road, approximately 0.5 miles east of Bald Hill Road. The project will provide beneficial impacts to local streams and Greenwich Bay. Projected start date of 2023, with a projected cost at \$4,800,000.

Allocation of funds:

Year:	2021-2022
Amount:	\$25,000

WSA-12 Miscellaneous (GAPS) Sewer Extensions

Design and construction of multiple short-extensions throughout the City, fill in of low-pressure areas in gravity areas outside of delineated project area.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
Amount:	\$200,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

WSA-13 Capital Improvement Projects

Category includes: pumping station upgrades; collection system support/improvements, facility upgrades, vehicle replacement program, technology upgrades, and utility billing systems.

Allocation of funds:

Year:	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
Amount:	\$550,000	\$550,000	\$550,000	\$550,000	\$550,000	\$550,000

ELEMENT II

APPENDIX

2016 CAPITAL IMPROVEMENT PROGRAM: WATER AND SEWER

Department/Project	2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		Total
	(000's)		(000's)		(000's)		(000's)		(000's)		(000's)		(000's)
Water Dept.													
W-1 Capital Improvements & Infrastructure	1500	a	9000										
Sewer Authority													
WSA-1 WWTF Improvements	2834	c	2000	b	600	b							5434
WSA-2 Levee Improvements	2674	c											2674
WSA-3 Governor Francis III	3600	c	1500	b									5100
WSA-4 O'Donnell Hill Extension	1300	c	300	b									1600
WSA-5 Cedar Swamp	1000	c	500	b	500	b							2000
WSA-6 Northwest Gortons Pond	75	c	2225	b	3700	b							6000
WSA-7 Bayside Longmeadow	2000	c	12000	b	7330	b							21330
WSA-8 Warwick Neck South					400	b	10000	b	3000	b			13400
WSA-9 Strawberry Field Road II											250	b	250
WSA-10 Greenwood East											25	b	25
WSA-11 Pilgrim Park											25	b	25
WSA-12 GAPS Extension	200	a	100	a	700								
WSA-13 Capital Improvements	550	a	3300										
Total (000's)	15733		20675		14680		12150		5150		2450		70838

2016 CAPITAL IMPROVEMENT PROGRAM: WATER AND SEWER

Department Project	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	Total
	(000's)	(000's)	(000's)	(000's)	(000's)	(000's)	(000's)
Funding Sources							
A. General Operations	2250	2150	2150	2150	2150	2150	13000
B. Bonds Unissued		18525	12530	10000	3000	300	44355
C. Bonds Issued	13483						13483
D. Future Bond							0
E. Fed Grant							0
F. State Grant							
G. Lease Purchase/other							
Total (000's)	15733	20675	14680	12150	5150	2450	70838

ELEMENT III
FINANCIAL ANALYSIS

III. FINANCIAL ANALYSIS

The financial data upon which this Capital Improvements Program is based is discussed in the following pages. Explanation of the City’s current debt obligations and a review of its expenditures and revenues are as follows.

EXPENDITURES

In order to provide background information on the City of Warwick’s ability to undertake additional capital improvements financing, the history of City expenditures and revenues is examined in this chapter. The expenditures shown are categorized by expense type.

EXECUTIVE AND ADMINISTRATION

This program includes the departments of Executive, Legislative and Financial Management, and represents approximately 5.1% of the total budget. Included in executive and administration is principal and interest expenses related to debt service. Debt service represents approximately 2.95% of the City budget in fiscal year 2017.

	<i>Executive and Administration</i>	<i>Percent of Budget</i>	<i>Debt Service</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$14,471,667	4.9%	\$8,115,777	2.76%
<i>Fiscal Year 2017</i>	\$15,240,700	5.1%	\$8,824,379	2.95%

PUBLIC SAFETY

Public Safety program includes the departments of Police, Fire, Civil Preparedness, Building Inspection and Minimum Housing. These appropriations represent approximately 14.4% of the total city budget.

	<i>Public Safety Budget</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$40,752,302	13.9%
<i>Fiscal Year 2017</i>	\$43,148,746	14.4%

SOCIAL SERVICES

Parks and Recreation, Library, and Human Services are included in this category and represent approximately 2% of the total budget.

	<i>Social Services Budget</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$5,643,003	1.9%
<i>Fiscal Year 2017</i>	\$5,871,912	2.0%

PHYSICAL RESOURCES

This program consists of Planning, Community and Economic Development, and Public Works. This program represents approximately 5.1% of the total city budget.

	<i>Physical Resources Budget</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$16,116,930	5.5%
<i>Fiscal Year 2017</i>	\$15,226,832	5.1%

EMPLOYEE BENEFITS

Fringe Benefits such as health care insurance, FICA, life insurance, pension expense for municipal employees, and worker’s compensation are included in this category. These appropriations represent approximately 19.5% of the total budget.

	<i>Employee Benefits Budget</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$57,534,350	19.6%
<i>Fiscal Year 2017</i>	\$58,104,645	19.5%

SCHOOL DEPARTMENT

The school budget represents the required budget to operate the City of Warwick’s School System. This budget represents approximately 53.9% of the total budget.

	<i>School Budget</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$159,530,000	54.3%
<i>Fiscal Year 2017</i>	\$161,135,284	53.9%

REVENUES

Revenues received by the City by major sources are recorded below.

PROPERTY TAX

In Fiscal Year 2016 the tax base as of December 31, 2014 was \$9,332,703,111. The estimated Fiscal Year 2017 tax base as of December 31, 2015 is \$9,731,122,666.

	FY 2016 <i>Valuation Date</i> <i>December 31, 2014</i> <i>(\$000,000)</i>	FY 2017 <i>(Estimated)</i> <i>Valuation Date</i> <i>December 31, 2015</i> <i>(\$000,000)</i>
<i>Residential</i>	\$5,622.7	\$6,000.7
<i>Commercial</i>	\$2,203.3	\$2,250.1
<i>Tangible</i>	\$550.1	\$520.0
<i>Motor Vehicles</i>	\$873.4	\$873.4

Figures are at gross assessed valuation. Property Taxes represent approximately 75.9% of the total budget.

	<i>Property Taxes</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$221,900,051	75.5%
<i>Fiscal Year 2017</i>	\$226,606,952	75.9%

STATE AND FEDERAL AID

	<i>State & Federal Aid</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$44,952,442	15.3%
<i>Fiscal Year 2017</i>	\$46,393,884	15.5%

LICENSES & FEES, ENTERPRISE TRANSFERS, AND ALL OTHER

These accounts represent 8.7% of the City’s budgeted revenue. They include Municipal Court, billing for rescue services, enterprise transfers, hotel tax, fund balance drawdown, and interest on investments and taxes.

	<i>Licenses & Fees, Enterprise Transfers & Other</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$24,195,759	8.2%
<i>Fiscal Year 2017</i>	\$25,727,282	8.7%

FUND BALANCE DRAWDOWN

	<i>Fund Balance Drawdown</i>	<i>Percent of Budget</i>
<i>Fiscal Year 2016</i>	\$3,000,000	1.0%
<i>Fiscal Year 2017</i>	\$0	0%

