

CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2017
ESTIMATED COST REQUIREMENTS

Exhibit B

Project Name	#	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Five Year Total	Previous Approp	Future Require	Estimated Project Cost
Community Facilities										
Energy Conservation/CNG Conversion	44-13	347,054	0	0	0	0	347,054	952,946	0	1,300,000
Facilities - High Priority Renewal and Replacements Phase III	02-15	800,000	800,000	800,000	800,000	800,000	4,000,000	0	0	4,000,000
Facilities-Library Renewal/Replacement	08-14	16,339	0	0	0	0	16,339	561,613	0	577,952
Municipal Parking Lots and Sidewalks II	04-15	200,000	200,000	200,000	200,000	200,000	1,000,000	0	0	1,000,000
South Norfolk Community Development II	05-15	0	25,000	25,000	25,000	25,000	100,000	0	0	100,000
Community Facilities		1,363,393	1,025,000	1,025,000	1,025,000	1,025,000	5,463,393	1,514,559	0	6,977,952
Economic Development										
Airport Authority Renovations	01-17	307,000	0	0	0	0	307,000	0	0	307,000
City Park Improvements	32-16	300,000	40,000	0	0	0	340,000	6,100,000	0	6,440,000
Commerce Park	62-12	0	0	0	0	0	0	4,767,663	5,525,000	10,292,663
Dominion Boulevard Corridor	02-17	250,000	0	0	0	0	250,000	0	0	250,000
Elizabeth River Park	63-121	833,790	0	0	0	0	833,790	3,166,210	0	4,000,000
Greenbrier Commerce Improvement District	03-17	0	0	16,000,000	0	0	16,000,000	0	0	16,000,000
Greenbrier Municipal District Improvements including Park and Activity Center (GB TIF)	18-12	832,025	0	0	0	0	832,025	617,975	0	1,450,000
South Norfolk - Strategic Acquisition of Real Property	04-17	5,000,000	0	0	0	0	5,000,000	0	0	5,000,000
South Norfolk - Village Center Parking Garage	21-12	0	0	0	16,000,000	0	16,000,000	0	0	16,000,000
Economic Development		7,522,815	40,000	16,000,000	16,000,000	0	39,562,815	14,651,848	5,525,000	59,739,663
Education										
Deep Creek SECEP Building - renovation of facility	18-16	0	0	11,916,800	0	0	11,916,800	0	0	11,916,800
Technology Upgrades: 4 High Schools	25-16	0	0	791,600	0	0	791,600	0	13,458,800	14,250,400
Education		0	0	12,708,400	0	0	12,708,400	0	13,458,800	26,167,200

CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2017
ESTIMATED COST REQUIREMENTS

Exhibit B

Project Name	#	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Five Year Total	Previous Approp	Future Require	Estimated Project Cost
Information Technology										
Council Chambers and Work Session Room	05-17	115,790	0	0	0	0	115,790	0	0	115,790
Enterprise Financials PeopleSoft/PeopleTools Upgrade	06-17	0	600,000	0	620,000	0	1,220,000	0	0	1,220,000
Enterprise Wide Technology Improvements - Phase II	15-13	200,000	0	0	0	0	200,000	392,735	0	592,735
Enterprise Wide Technology Improvements - Phase III	07-17	0	250,000	250,000	0	0	500,000	0	0	500,000
FCC Narrowbanding Compliance	07-16	289,100	0	0	0	0	289,100	0	0	289,100
Human Services Case Management System	08-17	750,000	0	0	0	0	750,000	0	0	750,000
Kronos Upgrade	09-17	0	0	130,000	0	135,000	265,000	0	0	265,000
Library-Technology Upgrade/Replacement	10-17	251,885	181,086	0	0	0	432,971	0	0	432,971
Mainframe Modernization	28-15	0	2,000,000	0	0	0	2,000,000	3,500,000	0	5,500,000
Maximo Upgrade and Integration to PeopleSoft	11-17	0	305,600	0	0	0	305,600	0	0	305,600
Project 25 Radio System	08-16	9,601,674	0	0	0	0	9,601,674	0	0	9,601,674
Real Estate Assessor Computer Assisted Mass Appraisal	12-17	1,000,000	0	0	0	0	1,000,000	0	0	1,000,000
WCTV Field and Remote Equipment Replacements	13-17	204,170	0	0	0	0	204,170	0	0	204,170
WCTV Studio Equipment Replacements	14-17	272,495	0	0	0	0	272,495	0	0	272,495
Information Technology		12,685,114	3,336,686	380,000	620,000	135,000	17,156,800	3,892,735	0	21,049,535
Parks and Recreation										
General Improvements to Community Centers and Parks	09-16	0	0	0	0	0	0	357,024	0	357,024
Parks and Recreation		0	0	0	0	0	0	357,024	0	357,024
Public Safety										
Combined Fire Station #7/Police Precinct #6	10-16	0	610,000	0	6,438,000	0	7,048,000	0	0	7,048,000

CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2017
ESTIMATED COST REQUIREMENTS

Exhibit B

Project Name	#	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Five Year Total	Previous Approp	Future Require	Estimated Project Cost
Fire Station #10 - Design and Construction	07-11	0	0	6,438,000	0	0	6,438,000	735,000	0	7,173,000
Public Safety		0	610,000	6,438,000	6,438,000	0	13,486,000	735,000	0	14,221,000
Public Utilities										
18th Street Sewer from D Street to Seaboard	15-17	0	0	0	580,738	0	580,738	0	0	580,738
Bainbridge - Assoc. Sewer w/HRSD Gravity Sewer Renewal	16-17	0	0	0	0	5,000,000	5,000,000	0	0	5,000,000
Bainbridge Boulevard Elevated Storage Tank Renovation	12-16	0	1,074,997	0	0	0	1,074,997	0	0	1,074,997
Battlefield Blvd. Water Main	17-17	0	0	0	0	0	0	0	6,000,000	6,000,000
Battlefield to Centerville Water Main Phase I	21-14	0	3,191,957	0	0	0	3,191,957	450,000	0	3,641,957
Battlefield to Centerville Water Main Phase II	22-14	0	0	0	0	0	0	464,000	4,163,664	4,627,664
Centerville Turnpike Loop 3	43-12	0	0	0	0	0	0	0	3,086,749	3,086,749
Chesapeake Ave - Poindexter to Ohio Sewer	18-17	0	0	0	532,954	0	532,954	0	0	532,954
Crestwood Sewer Phase I (Pump Station #931)	19-17	2,463,756	0	0	0	0	2,463,756	0	0	2,463,756
Crestwood Sewer Phase II (Pump Station #931)	20-17	0	1,331,535	1,500,000	0	0	2,831,535	0	0	2,831,535
Crestwood Sewer Phase III (Pump Station #12)	21-17	0	0	1,600,364	0	0	1,600,364	0	0	1,600,364
Customer Service & Billing Software	34-12	1,400,000	1,344,392	0	0	0	2,744,392	4,500,000	0	7,244,392
Deep Creek Loop 2	22-17	0	0	0	0	0	0	0	432,093	432,093
Deep Creek Pump Station Upgrade	20-14	0	120,000	0	1,878,123	0	1,998,123	232,127	0	2,230,250
Elbyrne Drive Water & Sewer	23-17	0	0	0	0	2,155,000	2,155,000	0	0	2,155,000
Generator Replacement Program	25-13	75,000	0	0	0	0	75,000	300,000	0	375,000
Generator Replacement Program Phase II	25-14	0	75,000	75,000	75,000	75,000	300,000	0	75,000	375,000
Generator Replacement Program Phase III	24-17	0	0	0	0	0	0	0	225,000	225,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2017
ESTIMATED COST REQUIREMENTS**

Exhibit B

Project Name	#	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Five Year Total	Previous Approp	Future Require	Estimated Project Cost
Great Bridge Boulevard Water Main Phase I	23-14	0	0	0	0	2,000,000	2,000,000	0	4,000,000	6,000,000
Laboratory Equipment Replacement, Phase II	18-14	0	100,000	0	100,000	0	200,000	0	100,000	300,000
Lake Gaston WTP Membrane Replacement Phase II	21-13	345,000	345,000	345,000	345,000	345,000	1,725,000	0	0	1,725,000
Lake Gaston WTP Membrane Replacement Phase III	25-17	0	0	0	0	0	0	0	1,380,000	1,380,000
Liberty Street Sewer (500 Block to Collingswood)	26-17	0	0	0	1,389,259	0	1,389,259	0	0	1,389,259
Maintenance & Operations Equipment Replacement	18-15	750,000	600,000	600,000	600,000	0	2,550,000	800,000	0	3,350,000
Maintenance & Operations Equipment Replacement Phase II	27-17	0	0	0	0	600,000	600,000	0	2,400,000	3,000,000
Manhole Rehabilitation (1709 Vertical Feet)	28-17	0	922,000	0	0	0	922,000	0	0	922,000
Melton Street Sewer Renewal	29-17	0	0	247,160	0	0	247,160	0	0	247,160
Meter Reading Equipment and Software	53-12	0	0	0	0	2,000,000	2,000,000	1,316,579	8,000,000	11,316,579
Money Point Crossing	30-17	0	0	0	0	0	0	0	1,828,263	1,828,263
Northwest River Plant Membrane Replacement Phase III	01-09	350,000	0	0	0	1,100,000	1,450,000	1,450,000	0	2,900,000
Northwest River Plant Membrane Replacement Phase IV	01-14	0	350,000	350,000	350,000	350,000	1,400,000	0	350,000	1,750,000
Orville Ave Alleyway Sewer - Bainbridge to Seaboard	31-17	0	0	0	1,350,733	0	1,350,733	0	0	1,350,733
Pump Station and Wet Well Upgrading Phase IV	02-14	300,000	400,000	400,000	400,000	400,000	1,900,000	0	0	1,900,000
Pump Station and Wet Well Upgrading Phase V	32-17	0	0	0	0	0	0	0	1,600,000	1,600,000
Raleigh Place Sewer (Pump Station #7)	33-17	0	0	0	0	0	0	0	3,402,390	3,402,390
Raw Water Transmission Main	39-12	6,000,000	0	0	0	0	6,000,000	9,000,000	0	15,000,000
Red Top Tank and Raw Water Pump Station	17-14	5,796,370	0	0	0	0	5,796,370	0	0	5,796,370
River Bank Filtration Study - Northwest River Plant	34-17	0	0	0	0	175,000	175,000	0	0	175,000

CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2017
ESTIMATED COST REQUIREMENTS

Exhibit B

Project Name	#	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Five Year Total	Previous Approp	Future Require	Estimated Project Cost
Sanitary Sewer Evaluation Study	27-12	200,000	500,000	0	0	0	700,000	8,615,450	0	9,315,450
Service Area Gravity Sewer Improvements - Phase I (Pump Station #3)	35-17	1,016,210	1,656,768	0	2,000,000	0	4,672,978	0	0	4,672,978
Sewer Management Operations & Maintenance	13-16	0	1,000,000	1,000,000	1,500,000	1,000,000	4,500,000	0	0	4,500,000
Sewer Renewal - Manhole Inserts Phase II	03-14	100,000	100,000	100,000	100,000	100,000	500,000	0	0	500,000
Sewer Renewal - Manhole Inserts Phase III	36-17	0	0	0	0	0	0	0	400,000	400,000
Sewer Renewal (Phase I SSES Implementation)	32-12	2,029,247	0	0	0	0	2,029,247	3,736,789	0	5,766,036
Sewer Renewal (Phase II SSES Implementation)	33-12	700,000	1,000,000	0	0	0	1,700,000	2,183,742	0	3,883,742
Sewer Renewal (Phase IV SSES Implementation)	37-17	0	0	2,000,000	0	0	2,000,000	0	17,000,000	19,000,000
Sewer System Repairs Phase II	04-14	250,000	250,000	250,000	250,000	250,000	1,250,000	0	0	1,250,000
Sewer System Repairs Phase III	38-17	0	0	0	0	0	0	0	1,000,000	1,000,000
South Norfolk Improvements	45-12	150,000	2,018,427	0	0	0	2,168,427	2,700,000	0	4,868,427
Storm Harden Field Operations Building	23-12	0	3,871,568	0	0	0	3,871,568	4,000,000	0	7,871,568
Telemetry Upgrade Phase II	16-14	0	0	0	150,000	0	150,000	0	150,000	300,000
Telemetry Upgrade Phase III	39-17	0	0	0	0	0	0	0	150,000	150,000
Water Renewals - Waterline Upgrading	71-12	625,000	0	0	0	0	625,000	1,405,558	0	2,030,558
Water Renewals - Waterline Upgrading Phase II	14-16	0	750,000	750,000	750,000	750,000	3,000,000	0	750,000	3,750,000
Water Renewals - Waterline Upgrading Phase III	40-17	0	0	0	0	0	0	0	2,250,000	2,250,000
Water System Renewal Phase II	21-15	150,000	200,000	200,000	200,000	200,000	950,000	0	0	950,000
Water System Repair Phase III	41-17	0	0	0	0	0	0	0	800,000	800,000
Waters Road Water Main	15-16	0	0	0	0	0	0	0	1,198,234	1,198,234
Western Branch Ground Storage Tank Renovation	24-14	0	0	0	0	0	0	0	1,074,997	1,074,997
Western Branch Interconnect to Lake Gaston WTP	47-12	200,000	3,035,000	0	0	0	3,235,000	5,063,000	0	8,298,000

CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2017
ESTIMATED COST REQUIREMENTS

Exhibit B

Project Name	#	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Five Year Total	Previous Approp	Future Require	Estimated Project Cost
Westwood and Redstart Avenue Sewer	42-17	0	0	0	1,105,776	0	1,105,776	0	0	1,105,776
Public Utilities		22,900,583	24,236,644	9,417,524	13,657,583	16,500,000	86,712,334	46,217,246	61,816,390	194,745,970
Stormwater Projects										
BMP Restoration Citywide	73-12	300,000	400,000	400,000	400,000	400,000	1,900,000	400,000	0	2,300,000
Chesapeake Dr. Drainage Improvements	02-13	880,000	0	0	0	0	880,000	0	0	880,000
Citywide Outfall Re-grading and Restoration	03-16	120,000	200,000	200,000	200,000	200,000	920,000	200,000	0	1,120,000
Citywide System Rehab	43-17	450,000	450,000	450,000	450,000	450,000	2,250,000	0	0	2,250,000
Citywide Undesignated Drainage Phase III	07-15	500,000	765,000	500,000	500,000	500,000	2,765,000	0	0	2,765,000
Colony Manor Outfall Improvements	72-12	0	415,000	0	0	0	415,000	0	0	415,000
Cooper's Ditch Dredging	04-10	2,000,000	0	0	0	0	2,000,000	0	0	2,000,000
D Street Drainage Improvements	04-13	0	370,000	0	0	0	370,000	0	0	370,000
Neighborhood Drainage Improvements II	08-15	500,000	500,000	500,000	500,000	500,000	2,500,000	0	0	2,500,000
Oakdale Area BMP and Drainage Improvements	09-15	0	0	0	500,000	500,000	1,000,000	0	4,000,000	5,000,000
Prince Edwards Drive Outfall Improvements	09-13	0	600,000	0	0	0	600,000	0	0	600,000
Royce Drive Drainage Improvements	10-13	0	550,000	0	0	0	550,000	0	0	550,000
Shillelagh Road Drainage Outfall Improvement	77-12	0	0	0	500,000	1,700,000	2,200,000	0	0	2,200,000
Stormwater Mapping & Master Drainage Plan II	06-12	200,000	200,000	0	0	0	400,000	600,000	0	1,000,000
Stormwater Mapping & Master Drainage Plan III	10-15	0	0	200,000	200,000	200,000	600,000	0	0	600,000
Stormwater Quality Program	05-14	1,500,000	2,000,000	0	0	0	3,500,000	3,300,000	0	6,800,000
Stormwater Quality Program Phase II	11-15	0	0	2,000,000	2,000,000	2,000,000	6,000,000	0	0	6,000,000
Sunray Area Outfall Re-Grading	13-13	0	0	0	1,200,000	0	1,200,000	0	0	1,200,000

**CAPITAL IMPROVEMENT PLAN FOR THE FIVE YEAR PERIOD ENDING JUNE 30, 2017
ESTIMATED COST REQUIREMENTS**

Exhibit B

Project Name	#	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Five Year Total	Previous Approp	Future Require	Estimated Project Cost
Washington Manor Drainage Outfall Improvements	80-12	0	0	2,200,000	0	0	2,200,000	0	0	2,200,000
Stormwater Projects		6,450,000	6,450,000	6,450,000	6,450,000	6,450,000	32,250,000	4,500,000	4,000,000	40,750,000
Transportation										
Centerville Bridge Super Structure Repairs	44-17	150,000	0	0	0	0	150,000	0	0	150,000
Chesapeake Expressway Renewals	26-16	3,000,000	3,000,000	0	0	0	6,000,000	3,000,000	0	9,000,000
Elbow Road, Phase I	14-15	122,016	0	0	0	0	122,016	1,900,000	0	2,022,016
Grade Crossing Safety Program II	03-12	50,000	0	0	0	0	50,000	150,000	0	200,000
Repair & Maintenance Roads and Bridges - Phase III	17-13	698,099	25,000	25,000	25,000	25,000	798,099	0	0	798,099
South Norfolk Railroad Crossings	48-17	250,000	0	0	0	0	250,000	0	0	250,000
Sunray Overpass Rehabilitation	45-17	1,400,000	0	0	0	0	1,400,000	0	0	1,400,000
Traffic Signals and Intersection Improvements	67-12	292,536	0	0	0	0	292,536	798,309	0	1,090,845
Triple Decker Bridge Rehabilitation	46-17	650,000	0	0	0	0	650,000	0	0	650,000
US Route 17 South of Cedar Road	47-17	0	3,300,000	0	14,000,000	0	17,300,000	0	0	17,300,000
US Route 17 Wetland Mitigation	23-061	594,000	0	0	0	0	594,000	0	0	594,000
US Route 17/Steel Bridge (Dominion Blvd)	23-06	75,946,600	0	0	0	0	75,946,600	391,659,600	0	467,606,200
Transportation		83,153,251	6,325,000	25,000	14,025,000	25,000	103,553,251	397,507,909	0	501,061,160
GRANDTOTAL		134,075,156	42,023,330	52,443,924	58,215,583	24,135,000	310,892,993	469,376,320	84,800,190	865,069,503