



City of Poquoson Virginia



Adopted Constrained Capital Improvements Plan FY 2019—Beyond FY 2023

CITY OF POQUOSON, VIRGINIA
ADOPTED CONSTRAINED CAPITAL IMPROVEMENTS PLAN
FY 2019 – BEYOND FY 2023

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BACKGROUND

The City of Poquoson's Constrained Capital Improvement Plan (CCIP) is a planning and budget tool which addresses the repair and replacement of existing infrastructure as well as the construction or acquisition of new facilities and equipment to accommodate current and future demands for service. More specifically, the CCIP is intended to accomplish the following objectives:

- To build the facilities required to support the City's public service responsibilities.
- To improve financial planning by comparing needs with resources, estimating future bond uses and debt service, and identifying tax rate implications.
- To establish priorities among projects so that limited available funds are used to the best advantage.
- To plan public facility construction and major equipment purchases and coordinate timing with the public needs.
- To support the physical development objectives contained in approved City plans.

Generally, capital improvements are defined as physical assets constructed or purchased that have a useful life five years or longer and have a cost of \$50,000 or more. Projects that meet this definition of a capital improvement are included in the CCIP, such as:

- new and expanded facilities for the community
- large scale rehabilitation or replacement of existing facilities
- the cost of engineering or architectural studies and services relative to the improvement
- major equipment
- the acquisition of land

The CCIP does not typically include items defined as Capital Outlay. Included as a separate Appendix to the Constrained Capital Improvement Plan are certain items meeting the definition of a capital outlay. These items, normally shown within the City's Operating Budget, include such things as furniture, equipment, and vehicles needed to support the operation of the City's programs. Generally, a capital outlay item may be defined as an item valued in excess of \$5,000 but less than \$50,000.

The projected costs of each capital project are sometimes the result of detailed engineering studies, and are sometimes simply working estimates. The project cost to be funded in the CCIP include all costs relating to design, acquisition, construction, project management, equipment, legal expenses, mitigation of damages, title costs and other land related costs, etc., when such information is available. As projects are refined, the CCIP may be modified from year to year.

CCIP Preparation

The City's first Constrained Capital Improvements Plan process begins with the distribution of funding request packets to each City department and the School Division. These request packets are returned to the Finance Department reflecting description, justification and cost of the projects. Once received the information is categorized and consolidated in preparation for the City Manager's review. This year City Council provided direction to the City Manager to develop the plan with the constraints of borrowing \$23 million of debt. The constraints included \$20 million towards School Division projects, for which the School Board has determined the project priority and the remaining \$3 million towards City related projects. The City Manager armed with the above information prioritizes the projects and prepares a proposed Constrained Capital Improvement Plan to be forwarded to the Planning Commission for their review and recommendation to City Council. After the public hearing requirements are met, the Planning Commission then forwards to City Council the recommended CCIP.

City Council also holds a public hearing at which time the recommended CCIP is presented. City Council has the authority to approve the recommended CCIP as presented, or approve with amendments. The first year of the Adopted CCIP is incorporated into the Manager's Recommended Budget as the Capital Budget for the upcoming fiscal year.

Each project in the CCIP is coupled with one or more funding sources. Revenues the City utilizes come from several sources such as federal and state governments, general obligation bonds, revenue bonds, dedicated taxes and fees and the General Fund.

In the City's case, revenues that can come from the federal and state governments are the VDOT Revenue Sharing program, Urban Maintenance Contributions and various other federal grants. It is important to note that funding received from these sources may require a cash match from the City.

Another source of revenue to fund capital projects is general obligation bonds. Bond issuances are governed strictly by state laws and regulations. A General Obligation Bond works similarly to a mortgage loan. The repayment of the bonds is usually long-term.

Revenue Bonds are also an additional source of revenue to fund capital projects that are needed for the enterprise funds. Debt service payments on these bonds are paid through user fees generated in the fund.

Typically, government regulations require that the proceeds from a bond issue be expended on one-time capital projects within a certain amount of time after the issuance. The level of debt that the City can incur is governed by the financial policies approved by City Council.

Dedicated taxes and fees can be used as another source of revenue to fund a specific project. An example of this could be an additional user fee to the bi-monthly sewer fee to be used to fund one time capital projects in the sewer fund. At this time, there are no projects being funded with dedicated taxes or revenue bonds.

The General Fund is the primary depository for taxes and fees, including real estate and personal property taxes, sales and meal taxes, utility taxes, etc., which are collected for the general operation of the City. General Fund revenues are used to fund capital projects as deemed appropriate by Council.

The CCIP represents the mutual effort of City departments, School Division, and agencies to meet the infrastructure needs of the City residents, businesses and visitors. It usually cannot fund all the capital project requests and the projects are closely scrutinized and prioritized to provide for the maximum benefit. Citizen input, the City's adopted Comprehensive Plan, the recommendations of the City's Planning Commission and the total funding available all play a role in allocating limited resources.

The following pages represent both the requests of each department as well as the Adopted CCIP by City Council. Also included is a summary of the CCIP for each department and their capital outlay as requested by the department and the recommended totals; a detailed description of each CCIP project is included as well as the Appendix of the capital outlay items.

The total locally funded CCIP as requested by the departments over the five year period was \$37,690,889 and beyond the five year period was \$35,455,200 for a total CCIP request of \$73,146,089.

The City Manager considered the debt policies adopted by Council, the available outside funding and available General and Utilities Fund resources to recommend a CCIP. Considering these factors, the recommended CCIP for the next five years for the General Fund is \$29,371,429.

City Council Adopted Constrained Capital Improvements Plan

Project Title	Funding Source	Project #	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total Cost
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Replacement Projects

SCHOOL PROJECTS

Middle School Renovation	D	10-SCH-110	\$ 17,001,100	\$ -	\$ -	\$ -	\$ -	\$ 17,001,100
Primary School Roof Replacement	D	11-SCH-002	\$ -	\$ 1,067,300	\$ -	\$ -	\$ -	\$ 1,067,300
Bus Replacement	D	11-SCH-009	\$ 68,000	\$ 440,000	\$ -	\$ -	\$ -	\$ 508,000
High School Roof Replacement	D	12-SCH-003	\$ -	\$ 1,423,600	\$ -	\$ -	\$ -	\$ 1,423,600
TOTAL SCHOOL PROJECTS			\$ 17,069,100	\$ 2,930,900	\$ -	\$ -	\$ -	\$ 20,000,000

PUBLIC SAFETY PROJECTS

Replacement of Engine 102	D	08-PS-301	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000
TOTAL PUBLIC SAFETY PROJECTS			\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000

TRANSPORTATION & DRAINAGE PROJECTS

Chesapeake Bay TMDL/Stormwater Imp	D	12-T&D-001	\$ 150,000	\$ 500,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 3,650,000
Poquoson Shores Tidal Flooding	SF	12-T&D-002	\$ -	\$ -	\$ -	\$ 80,000	\$ -	\$ 80,000
City Ditch Safety & Erosion Improvements	SF	12-T&D-004	\$ 100,000	\$ 100,000	\$ 50,000	\$ 80,000	\$ -	\$ 330,000
Street Paving	SF	12-T&D-007	\$ 374,700	\$ 394,300	\$ 403,700	\$ 350,175	\$ 390,146	\$ 1,913,021
Poquoson Avenue Sidewalk Project	G, GF	08-T&D-210	\$ 320,408	\$ -	\$ -	\$ -	\$ -	\$ 320,408
TOTAL TRANSPORTATION & DRAINAGE PROJECTS			\$ 945,108	\$ 994,300	\$ 1,453,700	\$ 1,510,175	\$ 1,390,146	\$ 6,293,429

FACILITIES PROJECTS

HVAC systems for City Hall	D	12-FAC-002	\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ 277,000
TOTAL FACILITIES PROJECTS			\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ 277,000

RECREATION & EVENTS PROJECTS

South Lawson Park Upgrades	DN	08-P&R-512	\$ 5,000	\$ -				\$ 5,000
TOTAL RECREATION & EVENTS PROJECTS			\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000

UTILITIES PROJECTS

Replacement Power Supplies	S	11-SWR-001	\$ 42,000	\$ 42,000	\$ 42,000	\$ 42,000	\$ 42,000	\$ 210,000
Pump Station Equipment Upgrades	S	17-SWR-005	\$ 95,000	\$ 95,000	\$ -	\$ -	\$ -	\$ 190,000
PS 10 Replacement Pumps	S	18-SWR-001	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000
Sanitary Sewer Consent Repairs	S	12-SWR-001	\$ 280,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 1,680,000
Pump Station Generators	S, G	08-SWR-008	\$ 316,000	\$ -	\$ -	\$ -	\$ -	\$ 316,000
Replace SCADA	S	18-SWR-002	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000
TOTAL UTILITIES PROJECTS			\$ 798,000	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 2,661,000

Total Replacement Projects

\$ 19,229,208	\$ 4,412,200	\$ 2,045,700	\$ 1,902,175	\$ 1,782,146	\$ 29,371,429
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City Council Adopted Constrained Capital Improvements Plan

Project Title	Funding Source	Project #	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total Cost
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New Facilities and Projects

Wythe Creek Road Signal Upgrade	SF	19-T&D-001	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ 260,000
Wythe Creek Road Milling & Repaving	SF, GF	19-T&D-002	\$ 188,899	\$ -	\$ -	\$ -	\$ -	\$ 188,899

Total New Facilities and Projects	\$	188,899	\$	260,000	\$	-	\$	-	\$	-	\$	448,899
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Total City Funded Capital Projects	\$	19,418,107	\$	4,672,200	\$	2,045,700	\$	1,902,175	\$	1,782,146	\$	29,820,328
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Projects Managed and Funded by State or Federal Agencies

Wythe Creek Road South	SF	08-T&D-202			\$ 19,800,000			\$ 19,800,000
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Total Projects Managed by State or Federal Agencies	\$	-	\$	-	\$	19,800,000	\$	-	\$	-	\$	19,800,000
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Funding Source Key

D- Debt Issue	G- Grant
DN- Donation	SF- State Funding
GF- General Fund	S- Sewer Fund
SW- Solid Waste Fund	

City Council Adopted Constrained Capital Improvements

Funding Source

Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total Cost
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Replacement Projects

SCHOOL PROJECTS

Debt Funding	\$17,069,100	\$ 2,930,900	\$ -	\$ -	\$ -	\$20,000,000
TOTAL SCHOOL PROJECTS	\$17,069,100	\$ 2,930,900	\$ -	\$ -	\$ -	\$20,000,000

PUBLIC SAFETY PROJECTS

Debt Funding	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000
TOTAL PUBLIC SAFETY PROJECTS	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000

TRANSPORTATION & DRAINAGE PROJECTS

Debt Funding	\$ 150,000	\$ 500,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 3,650,000
General Fund	\$ 6,408	\$ -	\$ -	\$ -	\$ -	\$ 6,408
State Funding	\$ 788,700	\$ 494,300	\$ 453,700	\$ 510,175	\$ 390,146	\$ 2,637,021
TOTAL TRANSPORTATION & DRAINAGE PROJECTS	\$ 945,108	\$ 994,300	\$ 1,453,700	\$ 1,510,175	\$ 1,390,146	\$ 6,293,429

FACILITIES PROJECTS

Debt Funding	\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ 277,000
TOTAL FACILITIES	\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ 277,000

RECREATION & EVENTS PROJECTS

Donations	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL RECREATION & EVENTS PROJECTS	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -

UTILITIES PROJECTS

Grant Funding	\$ 119,962	\$ -	\$ -	\$ -	\$ -	\$ -
State Funding	\$ 31,989	\$ -	\$ -	\$ -	\$ -	\$ -
Sewer Fund Revenue	\$ 646,049	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 2,509,049
TOTAL UTILITIES PROJECTS	\$ 646,049	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 2,509,049

NEW FACILITIES & PROJECTS

State Funding	\$ 788,700	\$ 494,300	\$ 453,700	\$ 510,175	\$ 390,146	\$ 2,637,021
General Fund	\$ 3,778	\$ -	\$ -	\$ -	\$ -	\$ 3,778
TOTAL NEW FACILITIES & PROJECTS	\$ 792,478	\$ 494,300	\$ 453,700	\$ 510,175	\$ 390,146	\$ 2,640,799

ALL PROJECTS

Debt Funding	\$17,631,100	\$ 3,430,900	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$24,062,000
Donations	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -
General Fund	\$ 10,186	\$ -	\$ -	\$ -	\$ -	\$ 10,186
Grant Funds	\$ 119,962	\$ -	\$ -	\$ -	\$ -	\$ 119,962
State Funding	\$ 1,609,389	\$ 988,600	\$ 907,400	\$ 1,020,350	\$ 780,292	\$ 5,306,031
Sewer Fund Revenue	\$ 646,049	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 2,509,049
TOTAL ALL PROJECTS	\$20,021,686	\$ 4,906,500	\$ 2,499,400	\$ 2,412,350	\$ 2,172,292	\$32,007,228

Operational Impact of Funding Source

General Fund Transfer	\$ 10,186	\$ -	\$ -	\$ -	\$ -	\$ 10,186
Debt Service	\$ 793,400	\$ 188,700	\$ 55,000	\$ 55,000	\$ 55,000	\$ 1,147,099
Total	\$ 803,586	\$ 188,700	\$ 55,000	\$ 55,000	\$ 55,000	\$ 1,157,285

Tax Rate Equivalent \$ 0.051 \$ 0.012 \$ 0.003 \$ 0.003 \$ 0.003

Departmental Requested Summary Capital Improvements and Capital Outlay

Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Beyond FY 2023	Total Cost
SCHOOL PROJECTS							
Capital Improvements	\$ 17,069,100	\$ 2,930,900	\$ -	\$ -	\$ -	\$ 3,505,000	\$ 23,505,000
TOTAL SCHOOL PROJECTS	\$ 17,069,100	\$ 2,930,900	\$ -	\$ -	\$ -	\$ 3,505,000	\$ 23,505,000
PUBLIC SAFETY PROJECTS							
Capital Improvements	\$ 345,000	\$ 50,000	\$ 4,450,000	\$ -	\$ -	\$ -	\$ 4,845,000
Capital Outlay	\$ 38,000	\$ 38,000	\$ 38,000	\$ 38,000	\$ 38,000	\$ -	\$ 190,000
TOTAL PUBLIC SAFETY PROJECTS	\$ 383,000	\$ 88,000	\$ 4,488,000	\$ 38,000	\$ 38,000	\$ -	\$ 5,035,000
TRANSPORTATION & DRAINAGE PROJECTS							
Capital Improvements	\$ 945,108	\$ 994,300	\$ 1,453,700	\$ 1,510,175	\$ 1,390,146	\$ 10,275,000	\$ 16,568,429
TOTAL TRANSPORTATION & DRAINAGE PROJECTS	\$ 945,108	\$ 994,300	\$ 1,453,700	\$ 1,510,175	\$ 1,390,146	\$ 10,275,000	\$ 16,568,429
PUBLIC WORKS							
Capital Improvements	\$ 800,000	\$ 670,000	\$ 150,000	\$ 160,000	\$ -	\$ 1,005,200	\$ 2,785,200
Capital Outlay	\$ 79,000	\$ 44,000	\$ 38,000	\$ 34,000	\$ -	\$ -	\$ 195,000
TOTAL PUBLIC WORKS	\$ 879,000	\$ 714,000	\$ 188,000	\$ 194,000	\$ -	\$ 1,005,200	\$ 2,980,200
FACILITIES PROJECTS							
Capital Improvements	\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 277,000
Capital Outlay	\$ -	\$ 11,000	\$ -	\$ -	\$ -	\$ -	\$ 11,000
TOTAL FACILITIES	\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 277,000
FINANCE PROJECTS							
Capital Improvements	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
FINANCE PROJECTS	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
SOLID WASTE							
Capital Improvements	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 370,000
Capital Outlay	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
TOTAL SOLID WASTE	\$ 395,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 395,000
RECREATION & EVENTS PROJECTS							
Capital Improvements	\$ 5,000	\$ 583,000	\$ -	\$ -	\$ 70,500	\$ 20,320,000	\$ 20,978,500
TOTAL RECREATION & EVENTS PROJECTS	\$ 5,000	\$ 583,000	\$ -	\$ -	\$ 70,500	\$ 20,320,000	\$ 20,978,500
UTILITIES PROJECTS							
Capital Improvements	\$ 798,000	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 350,000	\$ 3,011,000
TOTAL UTILITIES PROJECTS	\$ 798,000	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 350,000	\$ 3,011,000
FLEET PROJECTS							
Capital Outlay	\$ 37,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,350
TOTAL FLEET PROJECTS	\$ 37,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,350
NEW FACILITIES AND PROJECTS							
Capital Improvements	\$ 188,899	\$ 260,000	\$ 57,061	\$ -	\$ -	\$ -	\$ 505,960
TOTAL NEW FACILITIES AND PROJECTS	\$ 188,899	\$ 260,000	\$ 57,061	\$ -	\$ -	\$ -	\$ 505,960
TOTAL							
Capital Improvements	\$ 20,798,107	\$ 5,975,200	\$ 6,702,761	\$ 2,362,175	\$ 1,852,646		\$ 37,690,889
Capital Outlay	\$ 179,350	\$ 82,000	\$ 76,000	\$ 72,000	\$ 38,000	\$ -	\$ 447,350
TOTAL ALL DEPARTMENTS	\$ 20,977,457	\$ 4,867,565	\$ 4,515,988	\$ 13,219,162	\$ 2,318,700	\$ 67,988,700	\$ 67,988,700
Capital Projects Managed and Funded by State or Federal Agencies							
	\$ -	\$ 19,800,000	\$ -	\$ -	\$ -	\$ 24,900,000	\$ 44,700,000

Departmental Requested Constrained Capital Improvements Plan

Project Title	Funding Source	Project #	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Beyond FY 2023	Total Cost
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Replacement Projects

SCHOOL PROJECTS

High School Forum Renovation	D	08-SCH-104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,580,600	\$ 2,580,600
Middle School Renovation	D	10-SCH-110	\$ 17,001,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,001,100
Primary School Roof Replacement	D	11-SCH-002	\$ -	\$ 1,067,300	\$ -	\$ -	\$ -	\$ -	\$ 1,067,300
High School Locker Room Renovation	GF	11-SCH-005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 97,600	\$ 97,600
Bus Replacement	D, GF	11-SCH-009	\$ 68,000	\$ 440,000	\$ -	\$ -	\$ -	\$ 187,000	\$ 695,000
Asphalt Repairs	GF	12-SCH-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 151,700	\$ 151,700
High School Roof Replacement	D	12-SCH-003	\$ -	\$ 1,423,600	\$ -	\$ -	\$ -	\$ -	\$ 1,423,600
High School Gym HVAC	D	12-SCH-004	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 183,000	\$ 183,000
High School Chiller/Water Tower	GF	18-SCH-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 305,100	\$ 305,100
TOTAL SCHOOL PROJECTS			\$ 17,069,100	\$ 2,930,900	\$ -	\$ -	\$ -	\$ 3,505,000	\$ 23,505,000

PUBLIC SAFETY PROJECTS

Replacement of Engine 102	D	08-PS-301	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000
Replacement of Medic 4	GF,G,DN	11-PS-002	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210,000
Public Safety Building - Police & Fire	D, GF	11-PS-003	\$ -	\$ 50,000	\$ 4,450,000	\$ -	\$ -	\$ -	\$ 4,500,000
TOTAL PUBLIC SAFETY PROJECTS			\$ 345,000	\$ 50,000	\$ 4,450,000	\$ -	\$ -	\$ -	\$ 4,845,000

TRANSPORTATION & DRAINAGE PROJECTS

Chesapeake Bay TMDL/Stormwater Imp	D	12-T&D-001	\$ 150,000	\$ 500,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000	\$ 13,650,000
Poquoson Shores Tidal Flooding	SF	12-T&D-002	\$ -	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ 80,000
Poquoson Avenue Piping Upgrade	SF	12-T&D-003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 145,000	\$ 145,000
City Ditch Safety & Erosion Improvements	SF	12-T&D-004	\$ 100,000	\$ 100,000	\$ 50,000	\$ 80,000	\$ -	\$ -	\$ 330,000
Oxford Mews Drainage Improvements	SF	15-T&D-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000	\$ 130,000
Street Paving	SF	12-T&D-007	\$ 374,700	\$ 394,300	\$ 403,700	\$ 350,175	\$ 390,146		\$ 1,913,021
Poquoson Avenue Sidewalk Project	G, GF	08-T&D-210	\$ 320,408	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,408
TOTAL TRANSPORTATION & DRAINAGE PROJECTS			\$ 945,108	\$ 994,300	\$ 1,453,700	\$ 1,510,175	\$ 1,390,146	\$ 10,275,000	\$ 16,568,429

PUBLIC WORKS

Public Works Compound	D	08-PW-407	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 875,200	\$ 875,200
Dump Trucks	GF	12-PW-001	\$ 150,000	\$ 345,000	\$ -	\$ 160,000	\$ -	\$ -	\$ 655,000
Loader	GF	12-PW-003	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 260,000
Grader	GF	12-PW-004	\$ -	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ 165,000
Dozier	GF	12-PW-006	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000
Excavator	GF	15-PW-002	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ 160,000
Excavator	GF	15-PW-001	\$ 390,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 390,000
Backhoe	GF	16-PW-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000	\$ 130,000
TOTAL PUBLIC WORKS			\$ 800,000	\$ 670,000	\$ 150,000	\$ 160,000	\$ -	\$ 1,005,200	\$ 2,785,200

FACILITIES PROJECTS

HVAC systems for City Hall	D	12-FAC-002	\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 277,000
TOTAL FACILITIES PROJECTS			\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 277,000

FINANCE PROJECTS

Financial System Upgrade	GF	12-FIN-001	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
TOTAL FINANCE			\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000

Departmental Requested Constrained Capital Improvements Plan

Project Title	Funding Source	Project #	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Beyond FY 2023	Total Cost
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Replacement Projects

SOLID WASTE PROJECTS

Debris Truck Replacements	SW	12-SW-001	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 370,000
TOTAL SOLID WASTE			\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 370,000

RECREATION & EVENTS PROJECTS

Municipal Ball field Lighting Upgrade	GF	08-P&R-513	\$ -	\$ 248,000	\$ -	\$ -	\$ -	\$ -	\$ 248,000
Municipal Pool Reconstruction	D	11-P&R-002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 3,000,000
Firth Field Light Replacement	GF	13-P&R-001	\$ -	\$ 310,000	\$ -	\$ -	\$ -	\$ -	\$ 310,000
Public Fishing Pier-Messick Point	D	17-P&R-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 600,000
Blue Way System	G	08-P&R-503	\$ -	\$ -	\$ -	\$ -	\$ 70,500	\$ -	\$ 70,500
Western Precinct Park	D	08-P&R-509	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
South Lawson Park Upgrades	GF, DN	08-P&R-512	\$ 5,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 220,000	\$ 250,000
Recreation Center	D	11-P&R-003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,500,000	\$ 15,500,000
TOTAL RECREATION & EVENTS PROJECTS			\$ 5,000	\$ 583,000	\$ -	\$ -	\$ 70,500	\$ 20,320,000	\$ 20,978,500

UTILITIES PROJECTS

Replacement Power Supplies	S	11-SWR-001	\$ 42,000	\$ 42,000	\$ 42,000	\$ 42,000	\$ 42,000	\$ -	\$ 210,000
Pump Station Equipment Upgrades	S	17-SWR-005	\$ 95,000	\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ 190,000
PS 10 Replacement Pumps	S	18-SWR-001	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000
Sanitary Sewer Consent Repairs	S	12-SWR-001	\$ 280,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,030,000
Pump Station Generators	S, G	08-SWR-008	\$ 316,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 316,000
Replace SCADA	S	18-SWR-002	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
TOTAL UTILITIES PROJECTS			\$ 798,000	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 350,000	\$ 3,011,000

Total Replacement Projects

\$ 20,609,208	\$ 5,715,200	\$ 6,645,700	\$ 2,362,175	\$ 1,852,646	\$ 35,455,200	\$ 72,640,129
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New Facilities and Projects

City Hall Parking Lot Repaving	GF	18-FAC-001	\$ -		\$ 57,061	\$ -	\$ -	\$ -	\$ 57,061
Wythe Creek Road Signal Upgrade	SF	19-T&D-001	\$ -	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000
Wythe Creek Road Milling & Repaving	SF, GF	19-T&D-002	\$ 188,899	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,899

Total New Facilities and Projects

\$ 188,899	\$ 260,000	\$ 57,061	\$ -	\$ -	\$ -	\$ 505,960
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Total City Funded Capital Projects

\$ 20,798,107	\$ 5,975,200	\$ 6,702,761	\$ 2,362,175	\$ 1,852,646	\$ 35,455,200	\$ 73,146,089
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Projects Managed and Funded by State or Federal Agencies

Wythe Creek Road South	SF, GF	08-T&D-202		\$ 19,800,000	\$ -	\$ -	\$ -	\$ -	\$ 19,800,000
Victory Boulevard	SF	12-T&D-006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,900,000	\$ 24,900,000

Total Projects Managed by State or Federal Agencies

\$ -	\$ 19,800,000	\$ -	\$ -	\$ -	\$ 24,900,000	\$ 44,700,000
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Funding Source Key

D- Debt Issue	G- Grant
DN- Donation	SF- State Funding
GF- General Fund	S- Sewer Fund
SW- Solid Waste Fund	

Departmental Requested Capital Improvements Funding Sources

Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total Cost
SCHOOL PROJECTS						
Debt Funding	\$ 17,069,100	\$ 2,930,900	\$ -	\$ -	\$ -	\$ 20,000,000
PUBLIC SAFETY PROJECTS						
Debt Funding	\$ 135,000	\$ -	\$ 4,450,000	\$ -	\$ -	\$ 4,585,000
General Fund	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 100,000
Grant Funding	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Donations	\$ 60,000		\$ -	\$ -	\$ -	\$ 60,000
TOTAL PUBLIC SAFETY PROJECTS	\$ 345,000	\$ 50,000	\$ 4,450,000	\$ -	\$ -	\$ 4,845,000
TRANSPORTATION & DRAINAGE PROJECTS						
Debt Funding	\$ 150,000	\$ 500,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 3,650,000
General Fund	\$ 6,408	\$ -	\$ -	\$ -	\$ -	\$ 6,408
Grant Funding	\$ 474,700	\$ 494,300	\$ 453,700	\$ 510,175	\$ 390,146	\$ 2,323,021
State Funding	\$ 314,000	\$ -	\$ -	\$ -	\$ -	\$ 314,000
TOTAL TRANSPORTATION & DRAINAGE PROJECTS	\$ 945,108	\$ 994,300	\$ 1,453,700	\$ 1,510,175	\$ 1,390,146	\$ 6,293,429
PUBLIC WORKS PROJECTS						
General Fund	\$ 800,000	\$ 670,000	\$ 150,000	\$ 160,000	\$ -	\$ 1,780,000
FACILITIES PROJECTS						
Debt Funding	\$ 277,000	\$ -	\$ -	\$ -	\$ -	\$ 277,000
FINANCE PROJECTS						
General Fund	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000
SOLID WASTE						
Solid Waste Revenue	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000
RECREATION & EVENTS PROJECTS						
Debt Funding	\$ -	\$ 583,000	\$ -	\$ -	\$ -	\$ 583,000
General Fund	\$ -	\$ -	\$ -	\$ -	\$ 70,500	\$ 70,500
Donations	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000
TOTAL RECREATION & EVENTS PROJECTS	\$ 5,000	\$ 583,000	\$ -	\$ -	\$ 70,500	\$ 658,500
UTILITIES PROJECTS						
Sewer Fund Revenue	\$ 646,049	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 2,509,049
Grant Funding	\$ 151,951	\$ -	\$ -	\$ -	\$ -	\$ 151,951
TOTAL UTILITIES PROJECTS	\$ 798,000	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 2,661,000
NEW FACILITIES & PROJECTS						
General Fund	\$ 3,778	\$ -	\$ 57,061	\$ -	\$ -	\$ 60,839
State Funding	\$ 185,121	\$ 260,000	\$ -	\$ -	\$ -	\$ 445,121
TOTAL NEW FACILITIES & PROJECTS	\$ 188,899	\$ 260,000	\$ 57,061	\$ -	\$ -	\$ 505,960

Departmental Requested Capital Improvements Funding Sources

Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total Cost
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ALL PROJECTS

Debt Funding	\$17,631,100	\$ 4,013,900	\$ 5,450,000	\$ 1,000,000	\$ 1,000,000	\$29,095,000
General Fund	\$ 860,186	\$ 720,000	\$ 207,061	\$ 460,000	\$ 70,500	\$ 2,317,747
Grant Funds	\$ 726,651	\$ 494,300	\$ 453,700	\$ 510,175	\$ 390,146	\$ 2,574,972
Donations	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000
Solid Waste Fund Revenue	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000
State Funding	\$ 499,121	\$ 260,000	\$ -	\$ -	\$ -	\$ 759,121
Sewer Fund Revenue	\$ 646,049	\$ 487,000	\$ 592,000	\$ 392,000	\$ 392,000	\$ 2,509,049
TOTAL ALL PROJECTS	\$20,798,107	\$ 5,975,200	\$ 6,702,761	\$ 2,362,175	\$ 1,852,646	\$37,690,889

Operational Impact of Funding Source

General Fund Transfer	\$ 860,186	\$ 720,000	\$ 207,061	\$ 460,000	\$ 70,500	\$ 2,317,747
Debt Service	\$ 969,711	\$ 220,765	\$ 299,750	\$ 55,000	\$ 55,000	\$ 1,600,225
Total	\$ 1,829,897	\$ 940,765	\$ 506,811	\$ 515,000	\$ 125,500	\$ 3,917,972

Tax Rate Equivalent \$ 0.12 \$ 0.06 \$ 0.03 \$ 0.03 \$ 0.01

Department: Schools	Project Number and Title: High School Forum Renovation 08-SCH-104
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Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 25 years

New Positions: N/A

Total Project Cost: \$2,580,600

Description:

The forum at the high school will be renovated and expanded by 5,000 square feet to accommodate up to 800 people. Currently, the forum can seat an audience of around 350. Note: Middle School renovation impacts this project.

Justification:

The forum renovation would allow for a variety of school and community programs that cannot be scheduled currently due to the size of the facility. Renovations to the forum will allow the Poquoson High School chorus and band, which currently hold concerts at Tabb High School, to perform at home and could be used as an inclement weather site for the Seafood Festival.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction Maintenance						\$2,580,600	\$2,580,600

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue						\$2,580,600	\$2,580,600

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Schools	Project Number and Title: Middle School Renovation 10-SCH-110 (Priority 2)
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Contact: Jennifer Parish

Project Type: Improvement

Useful Life:

New Positions: N/A

Total Project Cost: \$17,001,100

Description:

A comprehensive facility study of the Middle School was performed in 2013 and presented to the School Board and City Council in October 2013. In December 2017, the School Board determined that based on the projected increase in school age children, consolidation of the schools would not be prudent. Based on this information City Council has determined to fund the renovation of the Middle School. The School Board and Superintendent will be consulting with a firm that will assist them in determining the renovations necessary based on the threshold of \$17,001,100.

Justification:

The original portion of the building is over 80 years old. The facility is comprised of 11 different phases of work. The facility is served by multiple HVAC systems and electrical services. Much of the building structure and major systems are outdated and have outlived their life expectancy. Note: The project's timeline will be utilized to determine the debt issue for the project versus borrowing the funds at one time.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction	\$17,001,100						\$17,001,100

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue	\$17,001,100						\$17,001,100

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Schools	Project Number and Title: Primary School Roof 11-SCH-002 (Priority 4)
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Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 20+ years

New Positions: N/A

Total Project Cost: \$1,067,300

Description:

The roof's useful life can be extended significantly without the cost of total replacement by performing a re-saturation of a modified asphalt flood coat with new gravel and new flashing. \$42,000 has been earmarked to consult with a firm to determine if the existing roof needs to be replaced or if a second layer can be added for both the High School and Primary School buildings. Based on this determination, the cost of the project could be reduced. For purposes of the priorities, the full amount of the roof replacement is projected. Project to be completed after Middle School renovation.

Justification:

The existing roof will be 29 years old in 2019.

Expenditures:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction			\$1,067,300					\$1,067,300

Funding Sources:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue			\$1,067,300					\$1,067,300

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY22</u>
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Department: Schools	Project Number and Title: High School Locker Room Renovation 11-SCH-005
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Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$97,600

Description:

Renovate the High School locker rooms to include new lockers, operational showers and restrooms.

Justification:

The current facilities are substandard. Showers are inoperable and lockers are too small to accommodate daily use by students and athletes. Renovating the High School locker rooms will allow students and athletes access to improved and functioning facilities.

Expenditures:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction							\$97,600	\$97,600

Funding Sources:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund							\$97,600	\$97,600

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Schools	Project Number and Title: Bus Replacement 11-SCH-009 (Priority 1 and 5)
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Contact: Jennifer Parish

Project Type: Equipment

Useful Life: 12+ years

New Positions: N/A

Total Project Cost: \$695,000

Description:

The current fleet is aged beyond that recommended by the State. Our current fleet has nine buses 15 years or older, five of these will be 20 or more years old by June 2018. The average mileage for these nine buses is 206,792. Current cost for a 65 passenger handicapped bus is approximately \$88,000. The cost of a conventional 77 passenger bus is approximately \$99,000. In FY 2019 a grant will be applied to the purchase of one new bus. The additional funds will come from debt service. In the event the condition of existing buses changes, the priority of bus replacements may be revised and as a result purchased during Middle School renovation or High School/Primary School roof replacement.

Justification:

Section 20-70-490 of the Virginia Administrative Code states: *a schedule for a replacement of buses on a continuing basis shall be developed and implemented by each school division.*

We use 14 buses on a daily basis, 5 of which are either older than 12 years or have excessive mileage. Beyond FY 2023 replacement request will be for at least one bus replacement per year.

Expenditures:

							Beyond	Total
Type	FY19	FY20	FY21	FY22	FY23	FY23	Cost	
Vehicle	\$68,000	\$440,000				\$187,000	\$695,000	

Funding Sources:

						Beyond	Total
	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Cost</u>
General Fund						\$187,000	\$187,000
Debt Issue		\$68,000	\$440,000				\$508,000
Total		\$68,000	\$440,000			\$187,000	\$695,000

Operational Impact/Other:

Replacing buses on a more regular basis (every 15 years) will help to reduce maintenance costs and breakdowns as well as allow for the total fleet to be reduced in size.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Schools	Project Number and Title: Asphalt Repairs 12-SCH-001
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Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$151,700

Description:

Maintenance and repairs to areas of the Primary School and High School parking lots.

Justification:

Significant alligating and pot holes are occurring throughout the parking lots. Repairs are necessary to minimize injuries and damage to pedestrians and vehicles.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction						\$151,700	\$151,700

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund						\$151,700	\$151,700

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Schools	Project Number and Title: High School Roof 12-SCH-003 (Priority 3)
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Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$1,423,600

Description:

\$42,000 has been earmarked to consult with a firm to determine if the existing roof needs to be replaced or if a second layer can be added for both the High School and Primary School buildings. Based on this determination, the cost of the project could be reduced. For purposes of the priorities the full amount of the roof replacement is projected. Project to be completed after Middle School renovation.

Justification:

The roof is a “modified bitumen” roof with an average service life of 17.3 years. The roof will be 24 years old in 2020. Roof leaks are being patched as they reveal themselves. Water intrusion leads to other costly damage and increased risk of building moisture intrusion and associated problems.

Expenditures:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction			\$1,423,600					\$1,423,600

Funding Sources:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue			\$1,423,600					\$1,423,600

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Schools	Project Number and Title: High School Gym HVAC 12-SCH-004 (Priority 6)
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Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$183,000

Description:

Add Air Conditioning to the gym. Plan would be to add self contained air conditioning package units to the roof of the gym. The School Board has determined this as one of their priorities only if funds are available after completing the Middle School renovation.

Justification:

Air conditioning was never provided for the High School Gym. Adding air conditioning will enhance the comfort of students, parents, faculty, and the community. By utilizing self contained package units, energy savings would be realized by not using the big building chiller for cooling just the gym during off peak periods.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction						\$183,000	\$183,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue						\$183,000	\$183,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Schools	Project Number and Title: High School Chiller/Water Tower 18-SCH-001
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Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 30 years

New Positions: N/A

Total Project Cost: \$305,100

Description:

Replace centrifugal chiller and companion water cooling tower.

Justification:

The centrifugal chiller and companion water cooling tower will be 30 years old in 2027. Thirty years is industry standard for the end of the life cycle for these two major pieces of equipment.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Equipment						\$305,100	\$305,100

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund						\$305,100	\$305,100

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Fire	Project Number and Title: Replacement of Engine 102 08-PS-301
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Contact: Robert Holloway

Project Type: Equipment

Useful Life: 25 years

New Positions: N/A

Total Project Cost: \$260,000



Description:

Replacement of Engine 11, a 1990 Grumman Custom 1250 GPM fire pumper located at Station #1 with a Quick Attack Pumper with compressed air foam system.

Justification:

Engine 11, originally built in 1990, has had an assortment of problems. Two major areas that have already been addressed include replacement of the engine due to its failure and repainting the vehicle in 2007 due to problems with the original craftsmanship. Shortly after delivery, Grumman went bankrupt and then out of business. This has led to much difficulty in obtaining the necessary parts. It is our desire to replace this apparatus with a Quick Attack pumper with compressed air foam system. This piece of equipment will allow us easier access to private lanes which our larger apparatus cannot access. This will save maintenance costs on a pumper that is 30 years of age.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Vehicle	\$135,000						\$135,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Debt Issue	135,000						\$135,000

Operational Impact/Other:

This will be a replacement vehicle and will be used to maintain the current level of protection. Moreover, the new vehicle should require little repair and maintenance. Engine 2 will be moved to serve as a backup pumper and therefore require less repair and maintenance costs. The total estimated cost of the fire apparatus is \$260,000. City Council in November 2017 reallocated funding in the amount of \$125,000 towards the purchase.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Fire	Project Number and Title: Replacement of Medic 4 11-PS-002
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Contact: Robert Holloway

Project Type: Equipment

Useful Life: 10 years

New Positions: N/A

Total Project Cost: \$210,000



Description:

Replacement of Medic 4 located at Station #2. The unit will include additional required safety standards.

Justification:

Medic 4 is a 1997 Ford E-450 Type III unit made by Wheeled Coach and currently has 116,191 miles.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Equipment	\$210,000						\$210,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund	\$50,000						\$50,000
Grant	\$100,000						\$100,000
Donation	\$60,000						\$60,000
Total	\$210,000						\$210,000

Operational Impact/Other:

The new vehicle should require little repair and maintenance, thereby reducing these costs.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Police & Fire	Project Number and Title: Public Safety Building 11-PS-003
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Contact: Cliff Bowen

Project Type: Building

Useful Life: 25 years

New Positions: N/A

Total Project Cost: \$4,500,000

Description:

This project involves the construction of a public safety building with 11,000 square feet of work space and storage. This building will house the police department, the fire department's administration and the emergency operations center. This building will meet the needs of each department by being designed and constructed as a secure facility that is out of the flood zone and of adequate size to support additional office space for supervisors and detectives, new technology and communications equipment, the processing and storage of property and evidence, and the addition of a training/community room.

Justification:

The current police and the fire administration facilities both lack the necessary size and are constrained by their age and their failing utilities and systems. The fire department's administrative offices are in the municipal building which has recently had some major renovation work, to include the replacement of the HVAC unit. The current EOC is located in a small conference room at city hall. The new EOC would house modern communications equipment, be large enough for the City to use as a community room when not needed for emergencies organization, and be located in a secure facility out of the flood zone.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Preliminary Design		\$50,000					\$50,000
Construction				\$4,450,000			\$4,450,000
Total		\$50,000	\$4,450,000				\$4,500,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund		\$50,000					\$50,000
Debt Issue				\$4,450,000			\$4,450,000
Total		\$50,000	\$4,450,000				\$4,500,000

Operational Impact/Other:

By putting the police department together with the fire administration section, certain savings may be realized in regards to the sharing of equipment and services. For example, one administrative assistant could be shared. The City would only have to maintain one new, energy efficient building versus the current costs of maintaining two old buildings with significant problems with utilities and systems.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Transportation & Drainage	Project Number and Title: Chesapeake Bay/Stormwater TMDL Improvements 12-T&D-001
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$13,650,000

Description:

These funds are for EPA and Virginia DEQ required improvements to Poquoson's public drainage system and properties. FY 19 funds will fund creating a stormwater permit-required plan to reach the 40% treatment target. And to begin developing a bacterial TMDL treatment program in accordance with 9VAC25-890 engineering and operational plans required by the City's Municipal Separate Storm Sewer (MS4) permit.

Justification:

Aggressive storm water quality control is mandated by the EPA under the Clean Water Act, & enforced by both the state and EPA through the City's MS4 permit. Permit deadlines require reaching 5% of water quality treatment before July 2018; 40% by July 2023; and 100% by 2028. Staff's goal is to develop projects with both pollution removal and meet a secondary purpose (flooding, safety). The City is seeking grants for construction costs and working to take credit for existing practices whenever possible.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Consultants/Construction	\$150,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$10,000,000	\$13,650,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue	\$150,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$10,000,000	\$13,650,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
Debt Service					

Department: Transportation & Drainage	Project Number and Title: Poquoson Shores Tidal Flooding 12-T&D-002
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$80,000



Description:

Work includes installing tide check or flap valves, upgrading inadequate ditching and reversing the flow on Sandy Bay Drive so that it outfalls to an adequate channel.

Justification:

This project will provide flooding relief during high tide and wind-driven high water events to one of the City's most flood-prone areas by increasing capacity in an existing ditch. Installation of tidal valves will provide more time for residents to evacuate the area during major storms and will lessen the amount of flooding during high tidal events.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Plan/Design/Construction				\$80,000			\$80,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
State Funding				\$80,000			\$80,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Transportation & Drainage	Project Number and Title: Poquoson Avenue Piping Upgrade 12-T&D-003
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$145,000



Description:

This project involves replacing approximately 204 l.f. of 24” RCP with 42”x27” elliptical pipe. Three connecting drain inlets, one end wall and 44 l.f. of 15” RCP will also have to be replaced to accomplish this work. In addition, this work requires that an easement be purchased and bulkhead work performed at the pipe outfall.

Justification:

While the existing system adequately drains Poquoson Avenue, private road and property flooding is intense in this area. Upgrading the piping would provide relief for impacted citizens. This work would also allow the City to relocate a drain inlet located partially on private property onto the City right-of-way.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction						\$145,000	\$145,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
State Funding						\$145,000	\$145,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Transportation & Drainage	Project Number and Title: City Ditch Safety & Erosion Improvements 12-T&D-004
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$330,000



Description:

This is a multi-year project to pipe or pave earthen ditches along City streets. Project costs include construction of the pipes; replacement of residential driveways; tree removal; installation of yard drainage measures; engineering; utility relocation; and seeding and mulching. Existing driveway culverts may be upgraded and shallower roadside ditching may be required to divert flow into the new system.

Justification:

This project is needed to improve pedestrian and vehicular safety, or to stabilize ditches with ongoing erosion problems. Piping work will focus on those road areas that have minimal to no shoulders and steep ditch side slopes. Paving work will occur in those areas with nontidal erosion issues.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction	\$100,000	\$100,000	\$50,000	\$80,000			\$330,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
State Funding	\$100,000	\$100,000	\$50,000	\$80,000			\$330,000

Operational Impact/Other:

Paved ditches are easier to maintain and require less frequent cleanings. This will increase system capacity and reduce sediment transport into downstream channels.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Transportation & Drainage	Project Number and Title: Oxford Mews Drainage Improvements 15-T&D-001
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Contact: Ellen Roberts

Project Type: Drainage System Retrofits

Useful Life: 25 years +

New Positions: N/A

Total Project Cost: \$130,000

Description:

This project is intended to mirror work done on Hopkins Court. The concrete channel downstream of the street will be widened to the inlet of the Little Florida Road drainage system.

Justification:

This work was delayed in past years because of concerns by adjacent property owners. Should those concerns be alleviated, the project would serve to provide more drainage capacity. Oxford Mews was developed in the 1970’s when storm drainage standards were significantly less rigorous than current standards of care. A wider channel would help reduce the duration of but would not eliminate standing water on the street during significant rain events.

Expenditures:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
Planning/Design						\$50,000	\$50,000
Construction						80,000	80,000
Total						\$130,000	\$130,000

Funding Sources:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
State Funding						\$130,000	\$130,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Street Paving 12-T&D-007
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Contact: Tom Jones

Project Type: Replacement

Useful Life:

New Positions: N/A

Total Project Cost: \$1,913,021

Description:

Street repaving is necessary for infrastructure upkeep. The following streets are scheduled to be repaved in the following years:
FY19—Berwick St, Robert Bruce Dr, Odd Rd (South), Joseph Topping Rd, Kathy Dr, Browns Neck Rd, Rue Degrasse, Norman Dr, Lafayette Rd, Bennett Farm Rd, Ebb Tide Landing
FY20— Valmoore Dr, Jefferson Ct, Thomas Dr, Basil Ct, Lessies Dr, Carmines Ct, Oxford Mews, Gay Lynn Dr, Jean Mar Dr, Dorlie Cr
FY21—Bunting Ln, Locust Run, Martha Ct, Floyd Ave, Holly St, Lodge Rd, Hunts Wood Dr, Willis Ct, Frank Hunt Ct, Oscar Ct, Woodhaven Dr
FY22—Whitehouse Dr, Evans Cir, Island Ct, Powhatan Dr, Chowan Cr, Emory Place, Nelson Ct, Rochambeau Dr, Edwards Rd
FY23— Westover Dr, W. Carriage Hill Dr, N. Carriage Hill Dr, Lynn Cr, N. Westover Dr, Rivergate Dr, G. Maria Dr, Cheryl Cr

Justification:

The repairing of streets is necessary for the upkeep of the City’s infrastructure.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Construction	\$374,700	\$394,300	\$403,700	\$350,175	\$390,146		\$1,913,021

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
State Funding	\$374,700	\$394,300	\$403,700	\$350,175	\$390,146		\$1,913,021

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Transportation & Drainage	Project Number and Title: Poquoson Avenue Sidewalk Project 08-T&D-210
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$320,408

Description:

This project will extend the Poquoson Avenue sidewalk from its terminus at 914 Poquoson Avenue through the intersection of Poquoson venue and Cedar Road. Demand activated flashing crosswalks will be provided as needed.

Justification:

There is a definite need for bike paths and sidewalks in our community for a number of reasons. The City of Poquoson has approximately 60 miles of publicly maintained roads and only a one mile bike bath and minimal sidewalks. Pedestrian and bicycle traffic is significant in Poquoson because of the overwhelmingly residential character of the community. Narrow, heavily traveled roads with almost no shoulders and deep roadside ditches make the need for sidewalks and bike paths along our major roadway corridors essential. A well planned bike path and sidewalk system would provide a safe method for our children to walk and bike to other neighborhoods and to our parks. In addition, these bike paths provide another opportunity for residents and visitors to patronize our shopping centers.

Expenditures:

Type	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Other	\$320,408						\$320,408

Funding Sources:

Type	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
VDOT Funds (Urban)	\$314,000						\$341,000
General Fund	\$6,408						\$6,408
Total	\$320,408						\$320,408

Operational Impact/Other:

Little effect on operating budget because only minimum maintenance is required.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Public Works Compound 08-PW-407
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Contact: Tom Jones

Project Type: Buildings

Useful Life: 30 + years

New Positions: N/A

Total Project Cost: \$875,200

Description:

Replacement of buildings in the PW Compound— Vehicle Maintenance 70’ x 90’ Parks Maintenance/Concession and Restrooms 30’ x 60’ Utilities 20’ x 30’ Wash Rack 18’ x 50’ and Public Works crew area. This project is expected to be completed in phases.

Justification:

There are buildings in the compound that are non-repairable, no longer accommodate the size of the equipment used by the City and are too small to store all materials, tools, and equipment. At this time, they are sending out our Fire Engines for all work, including state inspections due to the fact the engines are larger than the door entrances. Also, the new school buses only have approximately 2’ of clearance from front to back.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Construction						\$875,200	\$875,200

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue						\$875,200	\$875,200

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Dump Truck 12-PW-001
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Contact: Tom Jones

Project Type: Replacement

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$655,000

Description:



2002 GMC Crew Cab with air compressor (PW3), 1997 F800 Dump Truck (PW4), 2000 GMC 7500 (PW6), and 2005 GMC 7500 (PW5).

Justification:

Critical equipment has to be on a replacement schedule to maintain the current level of service. This machine is used for a variety of things to include snow removal and must be kept working for emergencies.

Expenditures:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Equipment		\$150,000	\$345,000		\$160,000			\$655,000

Funding Sources:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund		\$150,000	\$345,000		\$160,000			\$655,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Loader 12-PW-003
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Contact: Tom Jones

Project Type: Replacement

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$260,000



Description:

Replace existing 1990 John Deere 544E Loader – PW15

Justification:

Critical equipment has to be on a replacement schedule to maintain the current level of service. This machine is used for a variety of things to include snow removal at the fire stations ramps to ensure emergency personnel can get to calls. The equipment will be 27 years old if replaced in FY 19. Recommended replacement is 16 years for this equipment.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Equipment	\$260,000						\$260,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
General Fund	\$260,000						\$260,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Grader 12-PW-004
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Contact: Tom Jones

Project Type: Equipment

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$165,000



Description:

Replace existing 1997 LEEBOY Grader – PW16
This piece of equipment is used for maintaining the road shoulders throughout the City.

Justification:

Due to its age it is very hard to find parts. Guideline replacement is 16 years. It will be 22 years old if replaced in FY 2019.
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Expenditures:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY22</u>	Total <u>Cost</u>
Equipment			\$165,000					\$165,000

Funding Sources:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund			\$165,000					\$165,000

Operational Impact/Other:

Newer equipment requires less repair costs.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Dozier 12-PW-006
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Contact: Tom Jones

Project Type: Equipment

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$150,000



Description:

Replace existing 1998 John Deere 450 Dozier – PW26

Justification:

Equipment down time causes delays in performing scheduled work in a timely manner. Also, replacement parts for equipment 15 years or older can be hard to find. The recommended replacement of this piece of equipment is 16 years. It will be 22 years old if replaced in FY 2020.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Equipment			\$150,000				\$150,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
General Fund			\$150,000				\$150,000

Operational Impact/Other:

Newer equipment decreases annual repair costs.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Excavator 15-PW-002
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Contact: Tom Jones

Project Type: Equipment

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$160,000



Description:

Replace existing 2001 Komatsu Excavator – MD13
This machine is critical in maintaining our current drainage system (roadside and outfall ditches). This machine is also used for installing sewer taps, patching roadways, and repairing sinkholes.

Justification:

It is recommended that this piece of equipment be replaced at 16 years. It will be 19 years old at the time of replacement.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Equipment		\$160,000					\$160,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
General Fund		\$160,000					\$160,000

Operational Impact/Other:

Decrease in Maintenance Budget.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Excavator 15-PW-001
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Contact: Tom Jones

Project Type: Equipment

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$390,000



Description:

Replace existing 1994 All Terrain Excavator – PW12

Justification:

This machine is used to clean outfall ditches throughout the marsh areas. It has been costing more and more each year for repairs and maintenance. This machine is instrumental in keeping major outfall ditches clean. Parts for this aging machine are hard to get. Currently parts have to be ordered from Germany and are limited.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Equipment	\$390,000						\$390,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
General Fund	\$390,000						\$390,000

Operational Impact/Other:

Maintenance cost would be much less. We would be able to provide better service to citizens.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Public Works	Project Number and Title: Backhoe 16-PW-001
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Contact: Tom Jones

Project Type: Replacement

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$130,000

Description:

2006 Komatsu Backhoe (PW14)



Justification:

This machine is a critical part of infrastructure maintenance. The useful life of this equipment is 16 years. In 2022 it will be more expensive to maintain and parts will be harder to obtain. This machine is used for a variety of things to include snow removal at the fire stations ramps to ensure emergency personnel can get to calls.

Expenditures:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Equipment							\$130,000	\$130,000

Funding Sources:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund							\$130,000	\$130,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Facilities	Project Number and Title: HVAC Systems for City Hall 12-FAC-002
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Contact: Anne Payne

Project Type: Equipment

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$350,000

Description:

In FY18 the appropriation for funding was made to replace three units of the HVAC at City Hall. There are still four units (larger in size) at City Hall that need to be replaced. This project is a continuation of the replacement process for the HVAC. During the replacement process the components that have failed will be replaced which includes the condensing units, evaporating coils and line sets. They will be replaced with equipment that is compatible with current refrigerant standards. In addition the building automation system will be updated to allow for more control of the system and occupant comfort.

Justification:

Rather than replace one system at a time, update all equipment at once thus eliminating construction disturbance throughout the building. More economical operating equipment and more control will equal substantial savings for the City, less Carbon footprint and a healthier environment for City employees.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Equipment	\$277,000						\$277,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Debt Issue	\$277,000						\$277,000

Operational Impact/Other:

The total estimated cost of the HVAC replacement is \$350,000. City Council in February 2018 reallocated funding in the amount of \$73,000 towards the three units of the HVAC at City Hall.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Finance	Project Number and Title: Financial System 12-FIN-001
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Contact: Tonya O’Connell

Project Type: Software and Equipment

Useful Life: 10 years

New Positions: N/A

Total Project Cost: \$300,000

Description:

The replacement of the financial, Commissioner of the Revenue, and Treasurer software program and the related hardware.

Justification:

The current system is over eighteen years old and uses technology that was developed in the eighties. In order to continue and enhance current processes and service levels in each of the departments the system will need to be replaced.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Equipment				\$300,000			\$300,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
General Fund				\$300,000			\$300,000

Operational Impact/Other:

Annual maintenance agreement will be required, but at a cost of no more than our current system.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Solid Waste	Project Number and Title: Debris Truck Replacement 12-SW-001
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Contact: Tom Jones

Project Type: Equipment

Useful Life: 12 years

New Positions: N/A

Total Project Cost: \$370,000

Description:



Replacement of two debris trucks SW7 (2001) and SW5 (2003).

Justification:

Critical equipment must be replaced on a regular schedule to maintain the current level of service. These trucks are used for a variety of things to include recovery from Nor'easters and larger type storms.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Equipment	\$370,000						\$370,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
General Fund	\$370,000						\$370,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Recreation & Events	Project Number and Title: Municipal Ballfield Lighting Upgrade 08-P&R-513
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Contact: David Callis

Project Type: Municipal Ballfield Lighting Upgrade

Useful Life: 20+ years

New Positions: N/A

Total Project Cost: \$248,000



Description:

This project proposes to replace the light poles, fixtures and underground wiring at the baseball field at Municipal Park. The replacement fixtures, poles, and wiring would be designed to comply with Virginia High School League and National Little League design specifications. Upgraded system will include automated on/off, remote location control, thus preventing unauthorized use and allowing greater security.

Justification:

The lights at Municipal Baseball Field are considered sub-standard by both the Virginia High School League and National Little League. The lights are situated on poles that are considered too short, thus creating the potential for the lights to blind players when the ball is aloft. In addition, the center field pole is situated too close in to the field of play, thus creating a possible hazard to center fielders when fielding a ball. The underground wiring has been tested and shown to be under-sized for the loads it is carrying, elevating the risk of overloads and fires. The lighting footprint would include the adjacent multi-purpose field presently used for kickball and youth football.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Engineering		\$ 8,000					\$ 8,000
Installation		240,000					240,000
Total		\$248,000					\$248,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund		\$248,000					\$248,000

Operational Impact/Other:

It is anticipated that new, more energy efficient lighting fixtures will result in a operational savings in utility and repair costs compared to present expenditures for this facility.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>Fy23</u>
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Department: Recreation & Events	Project Number and Title: Municipal Pool Reconstruction 11-P&R-002
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Contact: David Callis

Project Type: Construction

Useful Life: 30+ years

New Positions: N/A

Total Project Cost: \$3,000,000



Description:

Reconstruction of the Municipal Pool Facility, including removal of existing pool facility. Included in the new facility: pool, zero depth entry, spray features, slip proof decking, pool house with changing facility and restrooms, refreshment stand, fencing, mushroom/play apparatus, pump infrastructure, plus ADA compliant access at all points. A pool size of 225,000 gallon would be needed to provide adequate footprint for a minimum of 6 racing lanes and required diving depths.

Justification:

Municipal Pool is approximately 30+ years old and has reached its useful life capacity. Recurring maintenance problems, lack of ADA compliant facilities, antiquated pool house, and failing infrastructure make the pool a strong candidate for re-construction. Users are requiring a larger variety of features and family friendly water depths for both swimmers and non-swimmer clientele. The pool house is in need of complete change for safety standards and ADA accessibility for users. It is anticipated that the new pool facility will increase interest in pool use and membership. Additionally, an updated facility would provide the opportunity to host large regional and state competitions.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Design and Engineering						\$50,000	\$50,000
Construction						2,950,000	2,950,000
Total						\$3,000,000	\$3,000,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>Fy23</u>	Total <u>Cost</u>
Debt Issue						\$3,000,000	\$3,000,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Recreation & Events	Project Number and Title: Firth Field Light Replacement 13-P&R-001
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Contact: David Callis

Project Type: Athletic Field Light Replacement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$310,000

Description:

The largest and only 90' base path baseball field in the City will need an upgrade and replacement of its current lighting system within the next 5-10 years. This field currently provides playing space for both JV and Varsity high school baseball, Poquoson Little League, American Legion and AAU baseball play. Their schedules require appropriate safe lighting. An upgraded system will include automated on/off, and remote location control.

Justification:

The lights at Firth Baseball Field are continuing to age with needed maintenance and inconsistent light coverage for the playing field areas, thus diminishing the safety and cost effective operation. The functional lifespan of the wooden light poles make them candidates for replacement as soon as practical. A new system would meet the 2009 upgraded safety standards that rate the poles up to 110 mph wind speeds. The upgrade would provide a 25 year life cycle for added operation savings of greater than 50% than the existing technology at the location. The system would be guaranteed maintenance free for 25 years upon installation.

Expenditures:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
Construction		\$310,000					\$310,000

Funding Sources:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
General Fund		\$310,000					\$310,000

Operational Impact/Other:

Green lighting reduces life-cycle operating costs by half or more compared to prior technology designed for the same light levels, through energy efficiency, plus controls and maintenance savings.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Economic Development & Community Recreation	Project Number and Title: Public Fishing Pier at Messick Point 17-P&R-001
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Contact: David Callis

Project Type: Construction

Useful Life: 30+ years

New Positions:

Total Project Cost: \$600,000



Description:

This project establishes a public recreational fishing pier at Messick Point on the Back Cove area.

Justification:

Currently, the City has no recreational fishing pier. The construction of the pier will further enhance Messick Point as a recreational amenity for Poquoson residents and support the City’s comprehensive marketing effort which focuses on Poquoson’s water access and nautical amenities. It is hope that construction of the project would be on City-owned property, thus eliminating the need for land acquisition.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
A & E						\$ 20,000	\$ 20,000
Construction						580,000	580,000
Total						\$600,000	\$600,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue						\$600,000	\$600,000

Operational Impact/Other:

Ongoing maintenance of the pier will be required. Trash pick-up and general upkeep of the pier will be needed.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Recreation and Events	Project Number and Title: Blue Way System 08-P&R-503
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Contact: David Callis

Project Type: Construction—Recreational Amenities

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$70,000

Description:



This project proposes to develop a series of public access water trails through and around the City. This would include access to wildlife observation stops and historical points of interest. The Blueway trail system would be developed utilizing existing creeks and channels.

Justification:

Poquoson is blessed with miles of small creeks and channels, most of which are not navigable by most boats. However, these creeks and channels are well suited for small, shallow-draft craft such as canoes and kayaks. Trails through such waters are known as Blueways, a water equivalent to a hiking trail. The City does not take advantage of this existing recreational resource. Utilization of this resource will not only provide users a unique method of experiencing the beauty of Poquoson, it will also serve to educate residents and visitors to Poquoson's hidden treasures. The creation of an extensive Blue Way system will serve as a catalyst for ecotourism within the city.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Trail Master Plan					\$3,000		\$3,000
Signage, Posts, etc.					50,000		50,000
Interactive Program					7,500		7,500
Canoe Livery					10,000		10,000
Total					\$70,500		\$70,500

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Grants					\$70,500		\$70,500

Operational Impact/Other:

It is anticipated that a moderate level of impact will be realized from this project. It is expected that there will be an increased demand for typical maintenance operations (trash removal, sign maintenance, etc.) However, this will be greatly offset by the expected increase in volunteer participation in the operation and upkeep of the blueways.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Recreation & Events	Project Number and Title: Western Precinct Park 08-P&R-509
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Contact: David Callis

Project Type: Land Acquisition/Park Construction

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$1,000,000

Description:

Land acquisition and construction for future park/recreational amenity in the City's Western Precinct.

Justification:

Currently there are no City park/recreational facilities in the Western Precinct. With the purchase of land in the Western area of the City a development plan featuring possible athletic fields, picnic shelters, a playground and more is possible. Ideally, a 8-15 acre tract would serve as the footprint for this recreational vision for the Western Precinct.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Land Acquisition/Construction						\$1,000,000	\$1,000,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Debt Issue						\$1,000,000	\$1,000,000

Operational Impact/Other:

Operational impact for land acquisition should be minimal. However with the development of a park amenity on the property, we should anticipate construction and maintenance costs associated with the project. The debt service on the project at 5% interest over 20 years would be approximately \$80,000 per year.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Recreation and Events	Project Number and Title: South Lawson Park Upgrades 08-P&R-512
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Contact: David Callis

Project Type: Construction

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$250,000



Description:

Construction of picnic shelters (2), a restroom concession stand facility, a playground, sand volleyball court and pond aeration system.

Justification:

Although South Lawson has been renovated resulting in the creation of new athletic fields, better drainage and patron parking, the upgrades listed above will further enhance the facility for patron enjoyment. The addition of these fields increases the need for more permanent restroom facilities as many more patrons will now use South Lawson. At present utilities are stubbed to the site, making the project more cost-palatable. Additionally, the Lion's Club has officially adopted the park and continues to provide new playground equipment and other amenities as their funding permits.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Restrooms/Picnic Shelter						\$175,000	\$175,000
Playground/Sand Volleyball Courts	\$5,000					45,000	50,000
BMP pond aeration system		\$25,000					25,000
Total	\$5,000	\$25,000				\$220,000	\$250,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
General Fund		\$25,000				\$220,000	\$245,000
Community Group	\$5,000						5,000
Total	\$5,000	\$25,000				\$220,000	\$250,000

Operational Impact/Other:

It is anticipated that some maintenance costs will be realized. Some additional revenue can be anticipated via expanded program offerings, picnic area rentals, and hosting athletic tournaments.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY22</u>
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Department: Recreation & Events	Project Number and Title: Recreation Center 11-P&R-003
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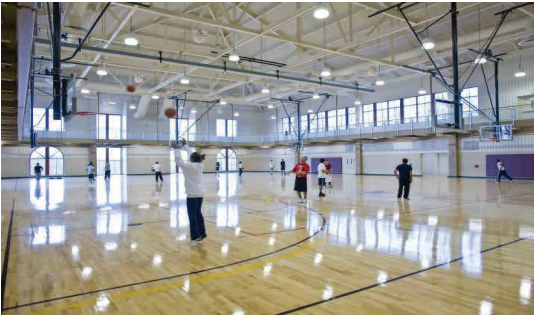
Contact: David Callis

Project Type: Construction

Useful Life: 30+ years

New Positions: N/A

Total Project Cost: \$15,500,000



Description:

Construction of a new 50,000 square ft. facility which will house two (2) gymnasiums, department offices, locker rooms, meeting rooms, with kitchen and fitness areas. A new pool facility could be included in this project whereby economies of construction could be realized. By combining design for the pool areas with a recreation center restrooms, locker rooms, check in areas, and staffing can be shared.

Justification:

The department currently uses school facilities for programs requiring a gym. Due to the ever-increasing demands on the gyms for school activities, available time for recreation programs continues to shrink, thus limiting program offerings. Currently meeting space for groups and class activities is not sufficient as the Municipal Building continues to age and does not meet ADA standards. A senior meeting area is currently serving as a multi use area for exercise, art classes, and community meetings. All have different demands and need adequate class space.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
A & E						\$500,000	\$500,000
Construction						15,000,000	15,000,000
Total						\$15,500,000	\$15,500,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>Fy23</u>	Total <u>Cost</u>
Debt Issue						\$15,500,000	\$15,500,000

Operational Impact/Other:

The City could partner with a hospital or fitness provider who would provide a major portion of the staffing for the center. The fitness provider would share in the profits and costs of the operation. Operating costs would be recovered through user fees. The debt service on this project at 5% interest over 25 years would be approximately \$1,200,000.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Utilities	Project Number and Title: Replacement of Power Supplies 11-SWR-001
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Contact: Robert Speechley

Project Type: Equipment

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$210,000

Description:

Replacement of the electrical supply pedestals and the alarm system for the North Lawson grinder pump stations. The current system has three main power connections to Dominion Virginia Power. This project will make each of the grinder pump stations independent. Each pump system will have its own electric meter. The three large panels then can be removed.

Justification:

The current system necessitates the connecting circuits to run along the roadway. This is not only a possible safety hazard but also a maintenance nightmare. When the system was originally installed the three main panels were installed at a height above flood levels and they were immediately determined to be an eye sore.

Expenditures:

						Beyond	Total
	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Cost</u>
Equipment		\$42,000	\$42,000	\$42,000	\$42,000	\$42,000	\$210,000

Funding Sources:

						Beyond	Total
	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Cost</u>
Sewer Revenue		\$42,000	\$42,000	\$42,000	\$42,000	\$42,000	\$210,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Utilities	Project Number and Title: Pump Station Equipment Upgrades 17-SWR-005
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Contact: Robert Speechley

OLD:

NEW:

Project Type: Equipment

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$190,000



Description:

Replacement of pumps and upgrading equipment at two pump stations, listed in priority order, - PS #4 (Lt Florida Rd), and PS #6 (Victory Blvd). This request also includes upgrading the pump control panels.

Justification:

Due to age and wear this equipment needs to be replaced. Both pump stations were built at the same time.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY21</u>	<u>FY22</u>	Beyond <u>FY22</u>	Total <u>Cost</u>
Equipment	\$95,000	\$95,000					\$190,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Sewer Revenue	\$95,000	\$95,000					\$190,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Utilities	Project Number and Title: PS #10 Replacement 18-SWR-001
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Contact: Robert Speechley

Project Type: Equipment

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$65,000

Description:

Replace of pump Station #10 located on Ridge Road.

Justification:

This pump station receives flow from four other stations in addition to the station #10 service area (Poquoson Ave., Ridge Rd., and Messick Rd.) The design of the existing station will no longer be adequate due to age and lack of capacity.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Equipment	\$65,000						\$65,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Sewer Revenue	\$65,000						\$65,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Utilities	Project Number and Title: Sanitary Sewer Consent Repairs 12-SWR-001
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Contact: Robert Speechley

Project Type: Utilities

Useful Life: 50 years

New Positions: N/A

Total Project Cost: \$2,030,000

Description:

The implementation of the sewer system upgrades and repairs as called for by the “Sanitary Sewer Evaluation Study” SSES.

Justification:

To comply with the Special Order by Consent for Sanitary Sewer Overflows as ordered by the Department of Environmental Quality. Although Hampton Roads Sanitation District has agreed under consent order to perform major repairs, smaller site repair projects will not be scheduled in the near future.

Expenditures:

						Beyond	Total
	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Cost</u>
Construction		\$280,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,030,000

Funding Sources:

						Beyond	Total
	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Cost</u>
Sewer Revenue		\$280,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,030,000

Operational Impact/Other:

Operating Budget Impact:

	<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
Debt Service						

Department: Utilities	Project Number and Title: Pump Station Generators 08-SWR-008
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Contact: Robert Speechley

Project Type: Equipment

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$316,000

Description:

This project proposes to supply automatic permanent emergency backup electrical power to Pump Stations 7 (Little Florida Rd), 8 (830 Poquoson Ave), 10 (Ridge Rd), and 11 (North Odd Rd).

Justification:

During power failures, these stations receive flows from other stations that are connected to emergency generators. When this occurs it can create a severe problem and potentially a sewer overflow. During times of extended failure it is imperative to keep the sewer system operating. Installing all 4 generators in one project would result in an economy of scale savings when purchased and installed as one contract.

Expenditures:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Equipment	\$316,000						\$316,000

Funding Sources:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	Beyond <u>FY23</u>	Total <u>Cost</u>
Sewer Revenue	\$164,049						\$164,049
State Funding	31,989						31,989
Grant Funding	119,962						119,962
Total	\$316,000						\$316,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Utilities	Project Number and Title: Replace SCADA 18-SWR-002
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Contact: Robert Speechley

Project Type: Improvement

Useful Life: 10 years

New Positions: N/A

Total Project Cost: \$200,000

Description:

Upgrade/replace the pump station system control and data acquisition (S.C.A.D.A.) alarm system.

Justification:

Advancement in electronic systems are creating a situation where parts and programming will not longer be available to support this system. The continuous monitoring of all the sanitary sewer pump stations is mandated by the Department of Environmental Quality/Health Department to ensure proper operations of the sanitary sewer system.

Expenditures:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
Software Purchase			\$200,000				\$200,000

Funding Sources:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
Sewer Fund			\$200,000				\$200,000

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Facilities	Project Number and Title: City Hall Parking Lot Repaving 18-FAC-001
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Contact: Anne Payne

Project Type: Improvement

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$57,061

Description:

Mill entire parking lot at City Hall, repave and restripe.

Justification:

The parking lot is damaged from everyday use. The rear of the parking lot where the special pickup is held sustains a lot more weight and damage than the rest of the parking lot

Expenditures:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
Construction				\$57,061			\$57,061

Funding Sources:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
General Fund				\$57,061			\$57,061

Operational Impact/Other:

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Transportation & Drainage	Project Number and Title: Wythe Creek Road Signal Upgrade 19-T&D-001
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: Indefinite

New Positions: N/A

Total Project Cost: \$260,000



Description:

This project will upgrade signal timing operations at the intersections along Wythe Creek Road.

Justification:

This project is needed to improve travel time and safety at signalized intersections.

Expenditures:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
Construction		\$260,000					\$260,000

Funding Sources:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
VDOT Funds (CMAQ)		\$260,000					\$260,000

Operational Impact/Other:

Road work will create traffic congestion during signal upgrades. The impact from construction is temporary and the end result will be safer intersections.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Transportation & Drainage	Project Number and Title: Wythe Creek Road Milling and Repaving 19-T&D-002
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: Indefinite

New Positions: N/A

Total Project Cost: \$188,899



Description:

This project, initiated in Fall 2017, is the milling and repaving of Wythe Creek Road South. The work is being financed primarily with VDOT Urban Construction Funding, with a local match equal to 2% of the total cost.

Justification:

This project is needed to replace aging pavement that is in poor condition.

Expenditures:

						Beyond	Total
Type	FY19	FY20	FY21	FY22	FY23	FY23	Cost
Construction	\$188,899						\$188,899

Funding Sources:

						Beyond	Total
Type	FY19	FY20	FY21	FY22	FY23	FY23	Cost
VDOT Funds (Urban)	\$185,121						\$185,121
General Fund	3,778						3,778
Total	\$188,899						\$188,899

Operational Impact/Other:

Road work will create traffic congestion during signal upgrades. The impact from construction is temporary and the end result will be safer intersections.

Operating Budget Impact:

Type	FY19	FY20	FY21	FY22	FY23
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Department: Transportation & Drainage	Project Number and Title: Wythe Creek Road South 08-T&D-202
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: Indefinite

New Positions: N/A

Total Project Cost: \$19,800,000

Description:

This is the Poquoson segment of a joint Poquoson/Hampton project that will include widening Wythe Creek Road to a 3 lane road. Work will extend from Commander Shepherd Boulevard in Hampton through Poquoson to the existing 2 lane section of Wythe Creek Road. The project includes constructing a new bridge just west of the current bridge. The Poquoson project is fully funded and is administered by VDOT (UPC 13427).

Justification:

This project will relieve future anticipated congestion and elevate the bridge in the Hampton segment. The elevated bridge will minimize road flooding and the loss of the Wythe Creek Road corridor during tidal storm events. The reversible 3-lane design provides capacity while minimizing impacts on citizens' properties.

Expenditures:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
Construction		\$19,800,000					\$19,800,000

Funding Sources:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
State Funding	\$19,740,000						\$19,740,000
General Fund		\$60,000					60,000
	\$19,740,000	\$60,000					\$19,800,000

Operational Impact/Other:

There will be additional lane miles to maintain; however, Poquoson will receive VDOT maintenance money to cover expenses. The City has an appropriation at VDOT for funding of this project.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Department: Transportation & Drainage	Project Number and Title: Victory Boulevard 12-T&D-006
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Contact: Ellen Roberts

Project Type: Improvement

Useful Life: Indefinite

New Positions: N/A

Total Project Cost: \$24,900,000

Description:

This project involves widening Victory Boulevard from its intersection with Cary's Chapel Road to its intersection with Wythe Creek Road. Work includes improvements to both intersections; a multiuse path; a 10-space Park and Ride at City Hall. The City recently applied for funding under the VDOT Smart Scale program. This is part of a larger project that would extend from Wythe Creek Road to Rte. 134 in York County.

Justification:

Future traffic projects and existing commuter hour traffic volumes warrant the widening of the road from two to four lanes. This widened corridor would also help keep the route open in the event of a City-wide evacuation or if an accident or some other event blocked one or two of the lanes.

Expenditures:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
Construction						\$24,900,000	\$24,900,000

Funding Sources:

						Beyond	Total
<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY23</u>	<u>Cost</u>
State Funding						\$24,900,000	\$24,900,000

Operational Impact/Other:

There will be additional lane miles to maintain; however, Poquoson will receive VDOT maintenance money to cover expenses. The City is currently working with VDOT and York County to develop alternative design concepts which may allow the project to compete more effectively in the state's Smart Scale process.

Operating Budget Impact:

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
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Appendix

As part of the planning process, the fleet manager established recommended guidelines for vehicles and equipment. These recommended guidelines are shown below:

<u>DESCRIPTION</u>	<u>EXPECTED LIFE IN YEARS</u>	<u>EXPECTED LIFE IN MILES</u>
Automobiles	10	100,000
Police Vehicles	8	125,000
Light Duty Trucks	12	100,000
Medium Duty Trucks (Diesel)	14	120,000
Medium Duty Trucks (Gasoline)	12	100,000
Heavy Duty Trucks	15	125,000
Light Duty Equipment	As Needed	N/A
Medium Duty Equipment	12	N/A
Heavy Duty Equipment	16	N/A
Trailers	25	N/A
Fire Fighting Vehicles	25	N/A
Ambulances	10	75,000
School Buses	12	150,000

Each department submitted projects which met the definition of a capital outlay item.

Included in this appendix is a brief description of the item by department and the requested amount and year for funding the capital outlay item.

Fleet Maintenance

Tire Changer: Air operated tire changer for automobiles and light to medium truck tires. It is equipped with self centering, clamps, up-front controls, and foot-operated bead loosening system. The current tire changer is over 15 years old and the movable parts on the machine is becoming severely worn.

Heavy Duty Tire Changer: This piece of equipment is able to demount and mount up to 26" rims and 65.4 tire diameter. The current tire changer was purchased used about 16 years ago. This changer is used to replace large vehicle and equipment tires (including school buses).

Heavy Duty Wheel Balancer: This piece of equipment is for truck, bus, and automobile tires. The current wheel balancer is about 15 years old and the accuracy is becoming suspect. Replacement parts are virtually unavailable for this unit.

<u>Description</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Tire Changer	\$14,500						\$14,500
Heavy Duty Tire Changer	\$13,100						\$13,100
Heavy Duty Wheel Balancer	\$9,750						\$9,750
Total Fleet Maintenance	\$37,350						\$37,350

Solid Waste

Solid Waste Truck: Replacement of existing 1996 ¾ Ton Regular Cab Pickup. This is a 1996 pickup. It should be replaced in accordance with the current criteria for vehicle replacement.

<u>Description</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Solid Waste Truck	\$25,000						\$25,000

Police

Police Patrol Vehicles: Replacement schedule for the marked, police patrol cars. Replacement costs include vehicle from factory, installation of all emergency lighting, sirens and protective cages, radio installation, and decals. Currently, the police department's fleet of vehicles includes 11 vehicles that have between 80,000 and 150,000 miles on their odometers.

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Police Patrol Vehicles	\$38,000	\$38,000	\$38,000	\$38,000	\$38,000		\$190,000

Public Works

Farm Tractor: Replacement existing Kubota Farm Tractor with Bush Hog. This is a tractor that is used to cut the larger tracts of land to include a lot of park areas such as Messick Point. It needs to be replaced on a schedule to help reduce breakdowns and maintenance cost.

Parks Maintenance ¾ Ton Truck: Replacement of existing 2001 GMC ¾ ton truck. This vehicle is used in the everyday maintenance of our parks and ball fields.

Equipment Trailer: This trailer hauls larger equipment out to the jobsites and vendors for work when fleet maintenance cannot.

Tractor with Bucket: This tractor is used to help maintain ballfields and park properties. It hauls stone topsoil for top dressing fields and mulch.

Spreader: This machine is used to spread stone on the road shoulders after paving operations and maintains shoulders.

1 Ton Pickup Truck: Used for transporting personnel to and from jobsites and hauling debris.

Roller: Used to roll down stone jobs and for asphalt patching.

Sweeper: Used for sweeping parking areas and sweeping road when placing stone on shoulders.

<u>Type</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Farm Tractor	\$42,000						\$42,000
Parks Maintenance ¾ Ton Truck	\$25,000						\$25,000
Equipment Trailer		\$29,000					\$29,000
Tractor with Bucket	\$12,000						\$12,000
Spreader		\$15,000					\$15,000
1 Ton Pickup Truck			\$38,000				\$38,000
Roller				\$12,000			\$12,000
Sweeper				\$22,000			\$22,000
Total Public Works	\$79,000	\$44,000	\$38,000	\$34,000			\$195,000

Library

Self-checkout machine: A new self-checkout machine to ease the work flow of the library, especially during summer and peak hours in the evening.

Sound proofing: Sound proofing materials above and behind the service desk. The sound carries throughout the library and prohibits the library from being a quiet study atmosphere.

<u>Description</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>Beyond FY23</u>	<u>Total Cost</u>
Self-checkout machine		\$6,000					\$6,000
Sound proofing		\$5,000					\$5,000
Total Library		<u>\$11,000</u>					<u>\$11,000</u>