



City of Poquoson Virginia



**Adopted
Constrained Capital Improvements Plan
FY 2021—Beyond FY 2025**

CITY OF POQUOSON, VIRGINIA
ADOPTED CONSTRAINED CAPITAL IMPROVEMENTS PLAN
FY 2021 – BEYOND FY 2025

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Constrained Capital Improvement Plan

Fiscal Year 2021-2025



Background

The City of Poquoson's Constrained Capital Improvement Plan (CCIP) outlines the City's plan for achieving objectives and service delivery levels desired by City Council. The purpose of this plan is to forecast and match projected revenues and major capital needs over a five year period. The CCIP is an important management tool that strengthens the linkages between community infrastructure needs and the financial capacity of the City. 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 CCIP 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.

Constrained Capital Improvement Plan

Fiscal Year 2021-2025



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.

Preparation

The City's 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 the chapter and page that correlates with the City of Poquoson FY 2018-2038 Comprehensive Plan adopted October 9, 2018, description, justification and cost of the projects. Once received the information is categorized and consolidated in preparation for the City Manager's review. The City Manager 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.

Constrained Capital Improvement Plan

Fiscal Year 2021-2025



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 City Council's adoption. 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 funded CCIP as requested by the departments over the five year period was \$38,445,398 and beyond the five year period was \$36,486,700 for a total CCIP request of \$74,932,098.

Constrained Capital Improvement Plan

Fiscal Year 2021-2025



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 proposed CCIP for the next five years is \$15,421,541 for City Funded Projects and \$19,800,000 for Projects Managed by a State Agency for a total of \$35,221,541.

Included in the debt service is \$5 Million, which reflects the second phase of the initial \$23 Million that City Council, directed in FY 2019 to be the constraints for borrowing. The first phase of borrowing provided the funding for five projects including the cost of issuance. The \$18 Million for the first phase was received in July 2018. The second phase of funding will provide for four School projects identified in the FY 2021-2025 CCIP. The remaining funds have been earmarked for projects for the City once the mandate for Stormwater TMDL is known. The City will work with the financial advisors on the best time for the borrowing the remaining \$5 Million.

Phase One	Schools	City	Total
Two School Buses	\$ 167,000	\$ -	\$ 167,000
Middle School	\$ 16,902,100	\$ -	\$ 16,902,100
City Hall HVAC	\$ -	\$ 275,000	\$ 275,000
Fire Engine 102	\$ -	\$ 135,000	\$ 135,000
TMDL	\$ -	\$ 150,000	\$ 150,000
Cost of Issuance	\$ -	\$ 440,900	\$ 440,900
	<u>\$ 17,069,100</u>	<u>\$ 1,000,900</u>	<u>\$ 18,070,000</u>

Phase Two*	Schools	City	Total
Middle School	\$ 799,000	\$ -	\$ 799,000
High School Roof	\$ 1,003,600	\$ -	\$ 1,003,600
Primary School Roof	\$ 787,300	\$ -	\$ 787,300
Three School Buses	\$ 341,000	\$ -	\$ 341,000
City Projects**	\$ -	\$ 2,570,000	\$ 2,570,000
	<u>\$ 2,930,900</u>	<u>\$ 2,570,000</u>	<u>\$ 5,500,900</u>
Total Phase One and Two	\$ 20,000,000	\$ 3,570,900	\$ 23,570,900

*Phase Two borrowing of \$5.5 Million is net of issuance cost and includes updated borrowing capacity.

**Phase Two borrowing is anticipated to support the funds needed for the EPA and Virginia DEQ requirements to the public drainage system. The City is seeking grants and use of credits to meet the program requirements. If successful, the City will determine the projects for which the debt service will be utilized.

City Council Adopted Constrained Capital Improvement Plan

Replacement Projects

SCHOOL PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Middle School Renovation	D	10-SCH-110	\$ 2,244,600	\$ -	\$ -	\$ -	\$ -	\$ 2,244,600
Primary School Roof Replacement	D	11-SCH-002	\$ 587,300	\$ -	\$ -	\$ -	\$ -	\$ 587,300
TOTAL SCHOOL PROJECTS			\$ 2,831,900	\$ -	\$ -	\$ -	\$ -	\$ 2,831,900

PUBLIC SAFETY PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Public Safety Building - Police & Fire *	D	11-PS-003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Replacement of Lifepak 15s	GF	21-PS-001	\$ -	\$ 65,714	\$ -	\$ 65,714	\$ -	\$ 131,428
Replacement of Stretcher system	GF	21-PS-002	\$ -	\$ 93,562	\$ -	\$ -	\$ -	\$ 93,562
TOTAL PUBLIC SAFETY PROJECTS			\$ -	\$ 159,276	\$ -	\$ 65,714	\$ -	\$ 224,990

TRANSPORTATION & DRAINAGE PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Chesapeake Bay TMDL/Stormwater Imp	D	12-T&D-001	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000
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	\$ 50,000	\$ 80,000	\$ -	\$ -	\$ 230,000
Street Paving	SF	12-T&D-007	\$ 341,824	\$ 353,364	\$ 397,790	\$ 346,573	\$ 356,462	\$ 1,796,013
South Lawson Park Bike Path	SF	20-T&D-001	\$ -	\$ 55,100	\$ 140,000	\$ -	\$ -	\$ 195,100
Shipwreck Island (Poquoson/Laydon)	SF, GF	21-T&D-001	\$ -	\$ 43,700	\$ 556,300	\$ -	\$ -	\$ 600,000
TOTAL TRANSPORTATION & DRAINAGE PROJECTS			\$ 441,824	\$ 1,502,164	\$ 2,254,090	\$ 1,346,573	\$ 1,356,462	\$ 6,901,113

UTILITIES PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Sanitary Sewer Consent Repairs	S	21-SWR-001	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 1,750,000
Replace SCADA	S	18-SWR-002	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 100,000
Sewer Line Replacement	S	20-SWR-001	\$ 250,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ 950,000
Pump Station Building Upgrades	S	20-SWR-002	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ -	\$ 500,000
Pump Station Generators	S	20-SWR-003	\$ 132,500	\$ 132,500	\$ 132,500	\$ -	\$ -	\$ 397,500
Replace/Repair Manholes	S	20-SWR-004	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 300,000
Pump Station Equipment Upgrades	S	21-SWR-001	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 37,500	\$ 337,500
Sewer Line Camera, GIS Program Update	S	21-SWR-002	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000
Vactor Truck Replacement	S	22-SWR-001	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ 350,000
TOTAL UTILITIES PROJECTS			\$ 1,267,500	\$ 1,582,500	\$ 1,032,500	\$ 550,000	\$ 387,500	\$ 4,820,000

Total City Funded Capital Projects \$ 4,541,224 \$ 3,243,940 \$ 3,286,590 \$ 1,962,287 \$ 1,743,962 \$ 14,778,003

Projects Managed and Funded by State or Federal Agencies

TRANSPORTATION & DRAINAGE PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Wythe Creek Road South	SF, GF	08-T&D-202	\$ 19,800,000	\$ -	\$ -	\$ -	\$ -	\$ 19,800,000
Total Projects Managed by State or Federal Agencies			\$ 19,800,000	\$ -	\$ -	\$ -	\$ -	\$ 19,800,000

* Feasibility study is expected to be received in December 2019. The study will provide the City with a recommended square footage and estimated cost based on the needs of the City.

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 Capital Improvements Funding Sources

FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Cost
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SCHOOL PROJECTS

Debt Funding	\$ 2,831,900	\$ -	\$ -	\$ -	\$ -	\$ 2,831,900
TOTAL SCHOOL PROJECTS	\$ 2,831,900	\$ -	\$ -	\$ -	\$ -	\$ 2,831,900

PUBLIC SAFETY PROJECTS

General Fund	\$ -	\$ 159,276	\$ -	\$ 65,714	\$ -	\$ 224,990
TOTAL PUBLIC SAFETY PROJECTS	\$ -	\$ 159,276	\$ -	\$ 65,714	\$ -	\$ 224,990

TRANSPORTATION & DRAINAGE PROJECTS

Debt Funding	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000
General Fund	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000
State Funding	\$ 441,824	\$ 202,164	\$ 1,254,090	\$ 346,573	\$ 356,462	\$ 2,601,113
TOTAL TRANSPORTATION & DRAINAGE PROJECTS	\$ 441,824	\$ 1,502,164	\$ 2,254,090	\$ 1,346,573	\$ 1,356,462	\$ 6,901,113

UTILITIES PROJECTS

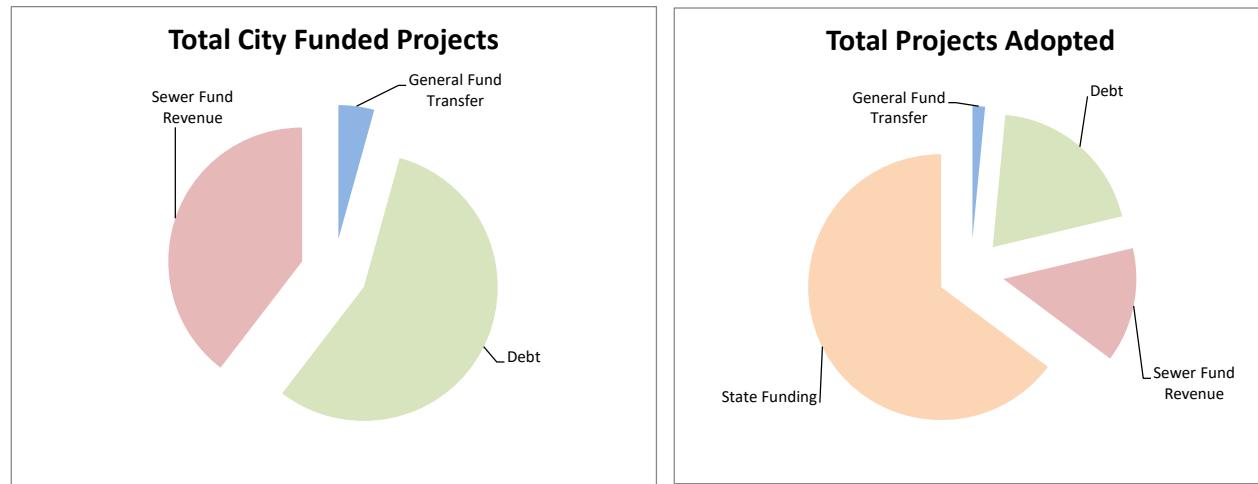
Sewer Fund Revenue	\$ 1,267,500	\$ 1,582,500	\$ 1,032,500	\$ 550,000	\$ 387,500	\$ 4,820,000
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Projects Managed & Funded by State or Federal Agencies

State Funding	\$ 19,800,000	\$ -	\$ -	\$ -	\$ -	\$ 19,800,000
TOTAL NEW FACILITIES & PROJECTS	\$ 19,800,000	\$ -	\$ -	\$ -	\$ -	\$ 19,800,000

Operational Impact of Funding Source

General Fund Transfer	\$ -	\$ 459,276	\$ -	\$ 65,714	\$ -	\$ 524,990
Debt	\$ 2,831,900	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 6,831,900
Sewer Fund Revenue	\$ 1,267,500	\$ 1,582,500	\$ 1,032,500	\$ 550,000	\$ 387,500	\$ 4,820,000
State Funding	\$ 20,241,824	\$ 202,164	\$ 1,254,090	\$ 346,573	\$ 356,462	\$ 22,401,113
Total	\$ 24,341,224	\$ 3,243,940	\$ 3,286,590	\$ 1,962,287	\$ 1,743,962	\$ 34,578,003



Departmental Requested Summary Capital Improvements and Capital Outlay

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	Total Cost
SCHOOL PROJECTS							
Capital Improvements	\$ 2,831,900	\$ -	\$ 109,000	\$ 716,900	\$ 109,000	\$ 783,700	\$ 4,550,500
PUBLIC SAFETY PROJECTS							
Capital Improvements	\$ -	\$ 159,276	\$ 220,000	\$ 65,714	\$ -	\$ -	\$ 444,990
Capital Outlay	\$ 61,030	\$ 40,000	\$ 61,030	\$ 40,000	\$ 40,000	\$ -	\$ 242,060
TOTAL PUBLIC SAFETY PROJECTS	\$ 61,030	\$ 199,276	\$ 281,030	\$ 105,714	\$ 40,000	\$ -	\$ 687,050
TRANSPORTATION & DRAINAGE PROJECTS							
Capital Improvements	\$ 441,824	\$ 1,502,164	\$ 2,254,090	\$ 1,346,573	\$ 1,356,462	\$ 10,450,000	\$ 17,351,113
PUBLIC WORKS							
Capital Improvements	\$ 1,130,000	\$ 50,000	\$ 345,000	\$ -	\$ -	\$ 130,000	\$ 1,655,000
Capital Outlay	\$ 75,000	\$ 34,000	\$ -	\$ -	\$ -	\$ -	\$ 109,000
TOTAL PUBLIC WORKS	\$ 1,205,000	\$ 84,000	\$ 345,000	\$ -	\$ -	\$ 130,000	\$ 1,764,000
FACILITIES PROJECTS							
Capital Improvements	\$ -	\$ 60,457	\$ -	\$ -	\$ -	\$ -	\$ 60,457
Capital Outlay	\$ 61,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,000
TOTAL FACILITIES	\$ -	\$ 60,457	\$ -	\$ -	\$ -	\$ -	\$ 60,457
FINANCE PROJECTS							
Capital Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
INFORMATIONAL TECHNOLOGY PROJECTS							
Capital Improvements	\$ 48,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 198,000
RECREATION & EVENTS PROJECTS							
Capital Improvements	\$ 604,000	\$ -	\$ 325,500	\$ -	\$ -	\$ 20,700,000	\$ 21,629,500
Capital Outlay	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
TOTAL RECREATION & EVENTS PROJECTS	\$ 629,000	\$ -	\$ 325,500	\$ -	\$ -	\$ 20,700,000	\$ 21,654,500
SOLID WASTE							
Capital Improvements	\$ 185,000	\$ -	\$ 185,000	\$ -	\$ -	\$ -	\$ 370,000
Capital Outlay	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
TOTAL SOLID WASTE	\$ 210,000	\$ -	\$ 185,000	\$ -	\$ -	\$ -	\$ 395,000
UTILITIES PROJECTS							
Capital Improvements	\$ 1,267,500	\$ 1,582,500	\$ 1,032,500	\$ 550,000	\$ 387,500	\$ 350,000	\$ 5,170,000
FLEET PROJECTS							
Capital Outlay	\$ 37,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,350
TOTAL							
Capital Improvements	\$ 6,508,224	\$ 3,504,397	\$ 4,471,090	\$ 2,679,187	\$ 1,852,962	\$ 32,713,700	\$ 51,729,560
Capital Outlay	\$ 284,380	\$ 74,000	\$ 61,030	\$ 40,000	\$ 40,000	\$ -	\$ 499,410
TOTAL ALL DEPARTMENTS	\$ 6,792,604	\$ 3,578,397	\$ 4,532,120	\$ 2,719,187	\$ 1,892,962	\$ 32,713,700	\$ 52,228,970
Capital Projects Managed and Funded by State or Federal Agencies	\$ -	\$ 19,800,000	\$ -	\$ -	\$ -	\$ 3,773,000	\$ 23,573,000
Total Requested	\$ 6,792,604	\$ 23,378,397	\$ 4,532,120	\$ 2,719,187	\$ 1,892,962	\$ 36,486,700	\$ 75,801,970

Departmental Requested Constrained Capital Improvements Plan

Replacement Projects

SCHOOL PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	FY Total Cost
Middle School Renovation	D	10-SCH-110	\$ 2,244,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,244,600
Primary School Roof Replacement	D	11-SCH-002	\$ 587,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 587,300
High School Locker Room Renovation	GF	11-SCH-005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 101,200	\$ 101,200
Bus Replacement	GF	11-SCH-009	\$ -	\$ -	\$ 109,000	\$ 120,000	\$ 109,000	\$ 109,000	\$ 447,000
Asphalt Repairs	GF	12-SCH-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 157,300	\$ 157,300
High School Gym HVAC	D	12-SCH-004	\$ -	\$ -	\$ -	\$ 189,700	\$ -	\$ -	\$ 189,700
High School Chiller/Water Tower	GF	18-SCH-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 316,200	\$ 316,200
Primary School Chiller/Water Tower	GF	20-SCH-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Turf Field Replacement	D	24-SCH-001	\$ -	\$ -	\$ -	\$ 407,200	\$ -	\$ -	\$ 407,200
TOTAL SCHOOL PROJECTS			\$ 2,831,900	\$ -	\$ 109,000	\$ 716,900	\$ 109,000	\$ 783,700	\$ 4,550,500

PUBLIC SAFETY PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	FY Total Cost
Public Safety Building - Police & Fire	D, GF	11-PS-003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Replacement of Lifepak 15s	GF	21-PS-001	\$ -	\$ 65,714	\$ -	\$ 65,714	\$ -	\$ -	\$ 131,428
Replacement of Stretcher system	GF	21-PS-002	\$ -	\$ 93,562	\$ -	\$ -	\$ -	\$ -	\$ 93,562
Replacement of Medic 11	GF	22-PS-001	\$ -	\$ -	\$ 220,000	\$ -	\$ -	\$ -	\$ 220,000
TOTAL PUBLIC SAFETY PROJECTS			\$ -	\$ 159,276	\$ 220,000	\$ 65,714	\$ -	\$ -	\$ 444,990

TRANSPORTATION & DRAINAGE PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	FY Total Cost
Chesapeake Bay TMDL/Stormwater Imp	D	12-T&D-001	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000	\$ 14,000,000
Poquoson Shores Tidal Flooding	SF	12-T&D-002	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ -	\$ 80,000
Poquoson Avenue Piping Upgrade	GF	12-T&D-003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 230,000	\$ 230,000
City Ditch Safety & Erosion Improvements	SF	12-T&D-004	\$ 100,000	\$ 50,000	\$ 80,000	\$ -	\$ -	\$ -	\$ 230,000
Street Paving	SF	12-T&D-007	\$ 341,824	\$ 353,364	\$ 397,790	\$ 346,573	\$ 356,462	\$ -	\$ 1,796,013
Oxford Mews Drainage Improvements	GF	15-T&D-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 220,000	\$ 220,000
South Lawson Park Bike Path	SF	20-T&D-001	\$ -	\$ 55,100	\$ 140,000	\$ -	\$ -	\$ -	\$ 195,100
Shipwreck Island (Poquoson/Laydon)	SF, GF	21-T&D-001	\$ -	\$ 43,700	\$ 556,300	\$ -	\$ -	\$ -	\$ 600,000
TOTAL TRANSPORTATION & DRAINAGE PROJECTS			\$ 441,824	\$ 1,502,164	\$ 2,254,090	\$ 1,346,573	\$ 1,356,462	\$ 10,450,000	\$ 17,351,113

PUBLIC WORKS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	FY Total Cost
Public Works Compound	D	08-PW-407	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Dump Trucks	GF	12-PW-001	\$ 150,000	\$ -	\$ 345,000	\$ -	\$ -	\$ -	\$ 495,000
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-001	\$ 405,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 405,000
Backhoe	GF	16-PW-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000	\$ 130,000
TOTAL PUBLIC WORKS			\$ 1,130,000	\$ 50,000	\$ 345,000	\$ -	\$ -	\$ 130,000	\$ 1,655,000

RECREATION & EVENTS PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	FY Total Cost
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	\$ 25,000	\$ -	\$ 255,000	\$ -	\$ -	\$ -	\$ 280,000
Municipal Ball field Lighting Upgrade	GF	08-P&R-513	\$ 273,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 273,000
Municipal Pool Reconstruction	D	11-P&R-002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,200,000	\$ 3,200,000
Recreation Center	D	11-P&R-003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,500,000	\$ 16,500,000
Firth Field Light Replacement	GF	13-P&R-001	\$ 306,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 306,000
TOTAL RECREATION & EVENTS PROJECTS			\$ 604,000	\$ -	\$ 325,500	\$ -	\$ -	\$ 20,700,000	\$ 21,629,500

Departmental Requested Constrained Capital Improvements Plan

Replacement Projects

FACILITIES PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	Total Cost
City Hall Parking Lot Repaving	GF	22-FAC-001	\$ -	\$ 60,457	\$ -	\$ -	\$ -	\$ -	\$ 60,457
TOTAL FACILITIES PROJECTS			\$ -	\$ 60,457	\$ -	\$ -	\$ -	\$ -	\$ 60,457

FINANCE PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	Total Cost
Financial System Upgrade	GF	12-FIN-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
TOTAL FINANCE			\$ -	\$ 300,000	\$ 300,000				

INFORMATIONAL TECHNOLOGY PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	Total Cost
Fiber Optic Upgrades	GF	20-IT-002	\$ 48,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 198,000
TOTAL INFORMATION TECHNOLOGY			\$ 48,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 198,000

SOLID WASTE PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	Total Cost
Debris Truck Replacement	SW	20-SW-001	\$ 185,000	\$ -	\$ 185,000	\$ -	\$ -	\$ -	\$ 370,000
TOTAL SOLID WASTE			\$ 185,000	\$ -	\$ 185,000	\$ -	\$ -	\$ -	\$ 370,000

UTILITIES PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	Total Cost
Sanitary Sewer Consent Repairs	S	21-SWR-001	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
Pump Station Equipment Upgrades	S	21-SWR-001	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 37,500	\$ -	\$ 337,500
Replace SCADA	S	18-SWR-002	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Sewer Line Replacement	S	20-SWR-001	\$ 250,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 950,000
Pump Station Building Upgrades	S	20-SWR-002	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ -	\$ -	\$ 500,000
Pump Station Generators	S	20-SWR-003	\$ 132,500	\$ 132,500	\$ 132,500	\$ -	\$ -	\$ -	\$ 397,500
Replace/Repair Manholes	S	20-SWR-004	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Sewer Line Camera, GIS Program Update	S	21-SWR-002	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000
Vactor Truck Replacement	S	22-SWR-001	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000
TOTAL UTILITIES PROJECTS			\$ 1,267,500	\$ 1,582,500	\$ 1,032,500	\$ 550,000	\$ 387,500	\$ 350,000	\$ 5,170,000
Total City Funded Capital Projects			\$ 6,508,224	\$ 3,504,397	\$ 4,471,090	\$ 2,679,187	\$ 1,852,962	\$ 32,713,700	\$ 51,729,560

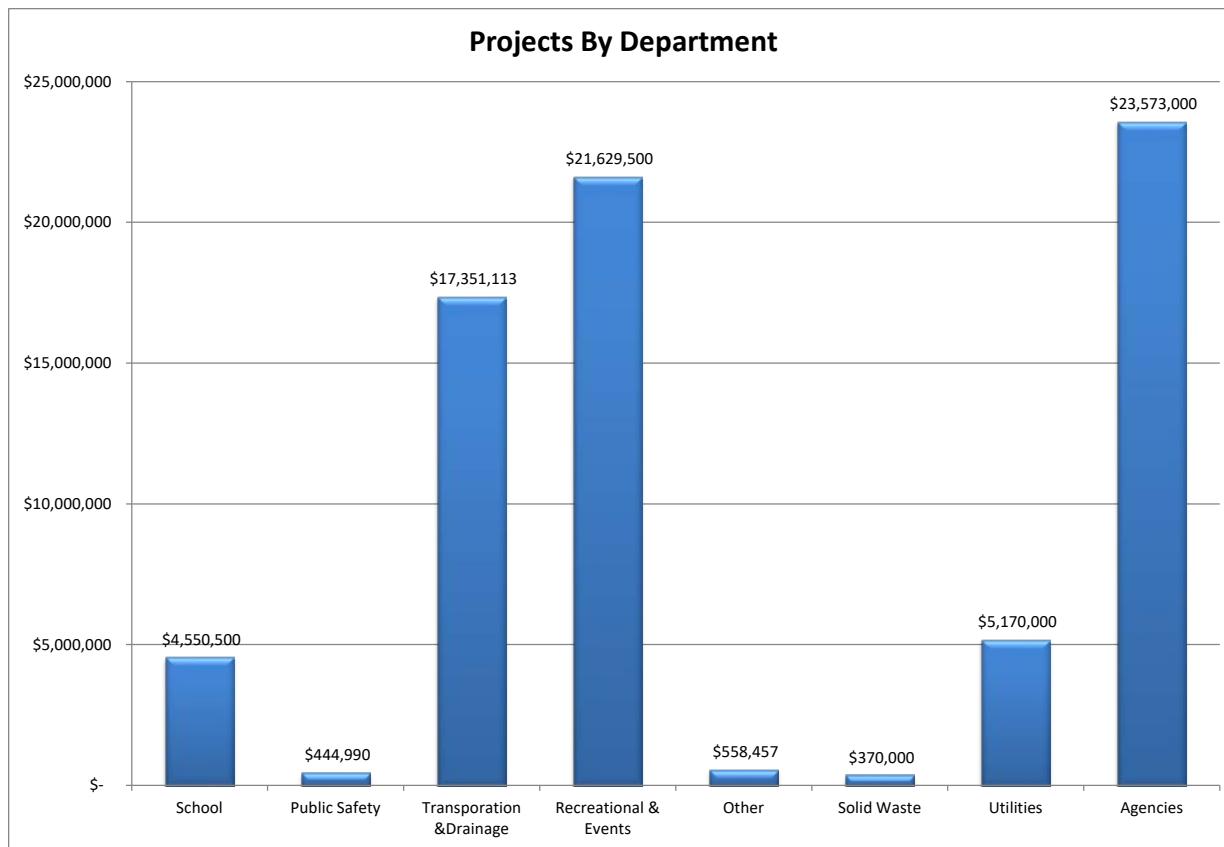
Projects Managed and Funded by State or Federal Agencies

TRANSPORTATION & DRAINAGE PROJECTS	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	FY Total Cost
Wythe Creek Road South	SF	08-T&D-202	\$ -	\$ 19,800,000	\$ -	\$ -	\$ -	\$ -	\$ 19,800,000
Victory Boulevard	SF	12-T&D-006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,773,000	\$ 3,773,000
Total Projects Managed by State or Federal Agencies			\$ -	\$ 19,800,000	\$ -	\$ -	\$ -	\$ 3,773,000	\$ 23,573,000
Total City Funded and State Funded Projects			\$ 6,508,224	\$ 23,304,397	\$ 4,471,090	\$ 2,679,187	\$ 1,852,962	\$ 36,486,700	\$ 75,302,560

Departmental Requested Constrained Capital Improvements Plan

New Facilities and Projects

Description/Department	Funding Source	Project #	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Beyond FY 2025	Total Cost
Primary School Chiller/Water Tower	GF	20-SCH-001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Sewer Line Camera, GIS Program Update	S	21-SWR-002	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000
Total New Facilities and Projects			\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 135,000



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

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
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SCHOOL PROJECTS

Debt Funding	\$ 2,831,900	\$ -	\$ -	\$ 596,900	\$ -	\$ 3,428,800
General Fund	\$ -	\$ -	\$ 109,000	\$ 120,000	\$ 109,000	\$ 338,000
TOTAL SCHOOL PROJECTS	\$ 2,831,900	\$ -	\$ 109,000	\$ 716,900	\$ 109,000	\$ 3,766,800

PUBLIC SAFETY PROJECTS

General Fund	\$ -	\$ 159,276	\$ 220,000	\$ 65,714	\$ -	\$ 444,990
Grant Funding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL PUBLIC SAFETY PROJECTS	\$ -	\$ 159,276	\$ 220,000	\$ 65,714	\$ -	\$ 444,990

TRANSPORTATION & DRAINAGE PROJECTS

Debt Funding	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000
General Fund	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
State Funding	\$ 441,824	\$ 502,164	\$ 954,090	\$ 346,573	\$ 356,462	\$ 2,601,113
TOTAL TRANSPORTATION & DRAINAGE PROJECTS	\$ 441,824	\$ 1,502,164	\$ 2,254,090	\$ 1,346,573	\$ 1,356,462	\$ 6,901,113

PUBLIC WORKS PROJECTS

General Fund	\$ 1,130,000	\$ 50,000	\$ 345,000	\$ -	\$ -	\$ 1,525,000
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RECREATION & EVENTS PROJECTS

General Fund	\$ 604,000	\$ -	\$ 230,000	\$ -	\$ -	\$ 834,000
Grant Funding	\$ -	\$ -	\$ 70,500	\$ -	\$ -	\$ 70,500
Donations	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ 25,000
TOTAL RECREATION & EVENTS PROJECTS	\$ 604,000	\$ -	\$ 325,500	\$ -	\$ -	\$ 1,308,000

FACILITIES PROJECTS

General Fund	\$ -	\$ 60,457	\$ -	\$ -	\$ -	\$ 60,457
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INFORMATION TECHNOLOGY

General Fund	\$ 48,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 198,000
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SOLID WASTE

Solid Waste Revenue	\$ 185,000	\$ -	\$ 185,000	\$ -	\$ -	\$ 370,000
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UTILITIES PROJECTS

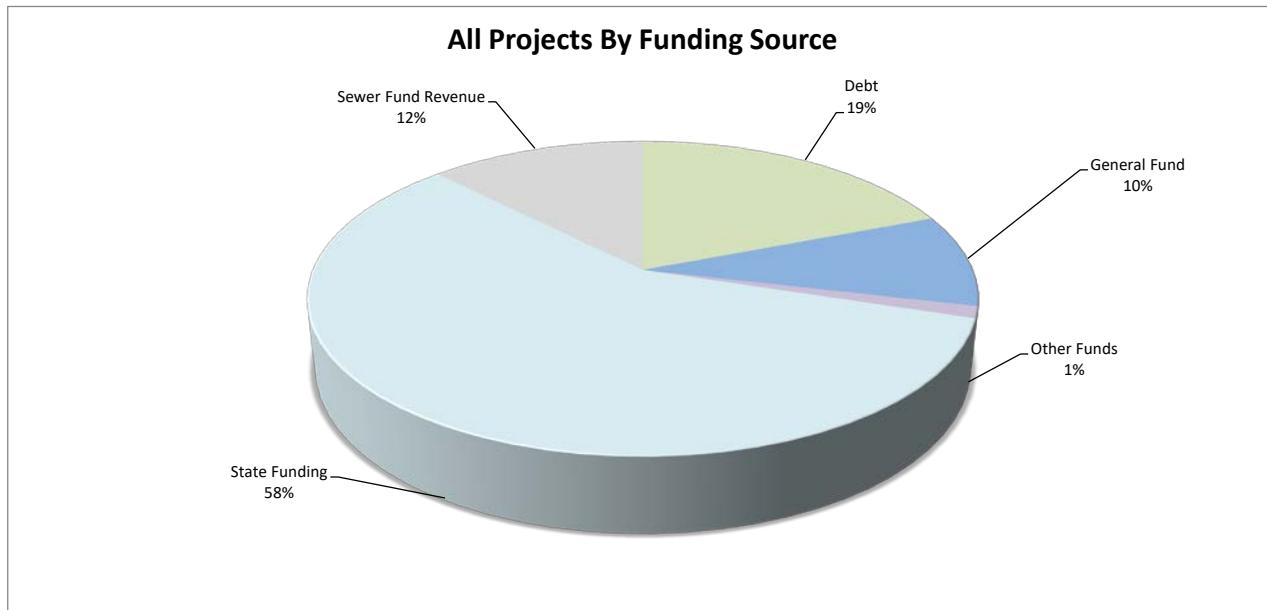
Sewer Fund Revenue	\$ 1,267,500	\$ 1,582,500	\$ 1,032,500	\$ 550,000	\$ 387,500	\$ 4,820,000
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Projects Managed & Funded by State or Federal Agencies

State Funding	\$ -	\$ 19,800,000	\$ -	\$ -	\$ -	\$ 19,800,000
TOTAL NEW FACILITIES & PROJECTS	\$ -	\$ 19,800,000	\$ -	\$ -	\$ -	\$ 19,800,000

Departmental Requested Capital Improvements Funding Sources

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
ALL PROJECTS						
Debt	\$ 2,831,900	\$ 1,000,000	\$ 1,000,000	\$ 1,596,900	\$ 1,000,000	\$ 7,428,800
General Fund	\$ 1,782,000	\$ 419,733	\$ 1,204,000	\$ 185,714	\$ 109,000	\$ 3,700,447
Grant Funds (Other Funds)	\$ -	\$ -	\$ 70,500	\$ -	\$ -	\$ 70,500
Donations (Other Funds)	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ 25,000
Solid Waste Fund Revenue (Other Funds)	\$ 185,000	\$ -	\$ 185,000	\$ -	\$ -	\$ 370,000
State Funding	\$ 441,824	\$ 20,302,164	\$ 954,090	\$ 346,573	\$ 356,462	\$ 22,401,113
Sewer Fund Revenue	\$ 1,267,500	\$ 1,582,500	\$ 1,032,500	\$ 550,000	\$ 387,500	\$ 4,820,000
TOTAL ALL PROJECTS	\$ 6,508,224	\$ 23,304,397	\$ 4,471,090	\$ 2,679,187	\$ 1,852,962	\$ 38,815,860



Operational Impact of Funding Source

General Fund Transfer	\$ 1,782,000	\$ 419,733	\$ 1,204,000	\$ 185,714	\$ 109,000	\$ 3,700,447
Debt Service	\$ -	\$ 55,000	\$ 55,000	\$ 87,830	\$ 55,000	\$ 252,830
Total	\$ 1,782,000	\$ 474,733	\$ 1,259,000	\$ 273,544	\$ 164,000	\$ 3,953,277

Tax Rate Equivalent \$ 0.11 \$ 0.03 \$ 0.08 \$ 0.02 \$ 0.01

Note: FY 2021 Debt Service does not reflect a tax rate equivalent value since the City increased the tax rate to support the projects presented for that year.

Constrained Capital Improvement Plan

Fiscal Year 2021-2025



Previously Approved Projects – Status Update

School Projects:

Middle School Renovation (10-SCH-110) – FY 2019 Approval

Provide funding for renovation of the building. The School Board contracted with Waller Todd & Sadler to assist in determining the renovations necessary based on the available funds. The firm was contracted in April 2019. Total budget approved for the project is \$17,212,732 which is derived from \$17,001,100 from the 2018 bond funding, \$16,632 from the 2016 bond refinancing and \$195,000 from re-appropriation of fiscal year 2019 local funds. An additional \$2,244,600 was requested in fiscal year 2021. The total project budget will be \$19,457,332. Updated information on the project can be found at www.poquoson.k12.va.us; select PMS Modernization Project located under PCPS Announcements.

Bus Replacement (11-SCH-009) – FY 2020 Approval

Provide funding for replacing a bus. The total cost of the bus was shared between debt service of \$99,000 and School funding of \$10,000. The bus was received in October 2019.

City Projects:

Replacement of Engine 102 (08-PS-301) – FY 2019 Approval

Provide funding for replacing Engine 102 with a Quick Attack Pumper with compressed air foam system. The total cost of the engine is \$243,270 and was purchased with the shared funds received in the 2018 borrowing and the 2016 refinancing. The pumper was received in April 2019.

HVAC Systems for City Hall (12-FAC-002) – FY 2019 Approval

Provide funding for replacing three large units (Unit 1, 2, & 3) at City Hall that will be compatible with current refrigerant standards, a coil replacement (Unit 5) and update the building automation system for better control of the system. The three units and coil replacement was completed in November 2019 for a total cost of \$170,201. It is anticipated that updating the building automation will be done by December 2019 with a projected cost of \$98,975.

Constrained Capital Improvement Plan

Fiscal Year 2021-2025



Replacement of Medic 4 (Old Medic 21) (11-PS-002) – FY 2020 Approval

Provide funding to replace Medic 4. The replacement unit will have latest in safety standards. The cost of the medic is \$199,868 and was purchased with donations of \$24,407, grant funds of \$99,934 and a transfer from the General Fund of \$75,527. The medic was received in October 2019.

Replacement of Excavator (15-PW-002) – FY 2019 Approval

Provide funding for replacing the 2001 Komatzu Excavator. The machine is used for patching roadways and repairing sinkholes. The total cost of the replacement cost of the excavator is \$124,364 which includes a trade in value for the Komatzu and was purchased with funds received from VDOT. It is anticipated to be received in December 2019.

Replacement of Debris Truck (12-SW-001) – FY 2020 Approval

Provide funding for replacing a debris truck. The total cost of the debris truck is \$156,108. The truck was received in November 2019 and will utilize the fund balance of Solid Waste for funding.

VDOT Projects:

Poquoson Avenue Sidewalks (08-T&D-210) – FY 2019

This project is to provide design and construction of a sidewalk and crosswalks to connect the Poquoson Middle School to Municipal Park. The project includes the sidewalk, crosswalks and drainage. The project is estimated to cost \$320,408. The procurement of the consultant will begin in FY 2020 with the design work to follow. The anticipated obligation to the City is to provide matching funds in the amount of 2% of the total project costs. A transfer from the General Fund of \$6,408 will be providing the needed support for this project. To date the project has incurred \$24,516 for engineer work.

Wythe Creek Road Signal Upgrade (19-T&D-001) – FY 2020

This project will upgrade traffic signal timing operations and emergency vehicle preemption capabilities at intersections along Wythe Creek Road. This project is needed to improve travel time and safety at signalized intersections. The project is by the VDOT Urban Funding of 98% with the City provided a local match of 2%. The anticipated cost of the project is \$278,000. To date the project has incurred \$65,319 for engineer work.

Constrained Capital Improvement Plan

Fiscal Year 2021-2025



Additionally, City Council appropriated interest earned on bond proceeds to the following projects during FY 2019.

Feasibility Study (Public Safety Building) (11-PS-003) – FY 2019 Approval

Provide funding to explore the feasibility and affordability of constructing a public safety building. The study will provide the City with an estimate on the cost for the recommended square footage to construct the building per the needs of the City. The anticipated cost for the study is \$44,500. The study was received and presented to City Council during work session on December 9, 2019.

Dump Truck Replacement (12-PW-001) – FY 2019 Approval

Provide funding to replace one of the four aged dump trucks. The total cost of the replacement cost of a dump truck is \$145,662. It is anticipated to be received in November 2019.

AV Room Modernization (20-IT-001) – FY 2019 Approval

Upgrade video and broadcasting equipment within city hall council chambers. Total anticipated cost of the project is \$70,000. The project is expected to begin in December 2019 and be completed in January 2020.

Replacement of Debris Truck (12-SW-001) – FY 2019 Approval

Provide funding for replacing a debris truck. The total cost of the debris truck is \$156,108. The truck was received in August 2019.

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Project Information

Contact: Jennifer Parish

Department: Schools

Project Number and Title: Middle School Renovation;
10-SCH-110

Project Type: Improvement

Useful Life: 30 years

Comprehensive Plan: Chapter 6 Page 32



Project Description and Scope

Reallocate the \$2,244,600 in savings from the roof resurfacing projects and replacement buses towards additional funding for the PMS Modernization Project, which was approved in fiscal year 2019 with an original budget of \$17,001,100. An additional \$16,632 was transferred from the 2016 bond refinancing and a re-appropriation of fiscal year 2019 local funds in the amount of \$195,000 was requested and approved. This will bring the total project budget to \$19,457,332.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 2,244,600	-	-	-	-	-	\$ 2,244,600
Grand Total	\$ 2,244,600	-	-	-	-	-	\$ 2,244,600
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 2,244,600	-	-	-	-	-	\$ 2,244,600
Grand Total	\$ 2,244,600	-	-	-	-	-	\$ 2,244,600

Project Status

Impact on Operating Budget:

Currently the project is in the design phase with Waller, Todd & Sadler Architects. More information on the project can be found at www.poquoson.k12.va.us; select PMS Modernization Project located under PCPS Announcements.

Project Information

Contact: Jennifer Parish

Department: Schools

Project Number and Title: Primary School Roof; 11-SCH-002 (Priority 4)

Project Type: Improvement

Useful Life: 20+ years

Comprehensive Plan: Chapter 6 Page 32



Project Description and Scope

Resurface one section of the roof, which is 57,000 square feet. This section will be 30 years old in 2020 and will require resurfacing. Findings from Roof Consulting Services Inc (RCS).

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	\$ 587,300	-	-	-	-	-	\$ 587,300
Grand Total	\$ 587,300	-	-	-	-	-	\$ 587,300
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Issue	\$ 587,300	-	-	-	-	-	\$ 587,300
Grand Total	\$ 587,300	-	-	-	-	-	\$ 587,300

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Jennifer Parish

Department: Schools

Project Number and Title: High School Locker Room

Renovation; 11-SCH-005

Project Type: Improvement

Useful Life: 15 Years

Comprehensive Plan: Chapter 6 Page 32

Project Description and Scope

Refurbish the high school locker rooms to include enhancements and cosmetic changes to lockers, showers and restrooms.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	-	-	-	-	-	\$ 101,200	\$ 101,200
Grand Total	-	-	-	-	-	\$ 101,200	\$ 101,200

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	-	-	-	\$ 101,200	\$ 101,200
Grand Total	-	-	-	-	-	\$ 101,200	\$ 101,200

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Jennifer Parish

Department: Schools

Project Number and Title: Bus Replacement; 11-SCH-009

Project Type: Equipment

Useful Life: 12+ years

Comprehensive Plan: Chapter 6 Page 32



Project Description and Scope

The current fleet is aged beyond the recommendation by the State, which recommends replacement at 15 years old. By June 2020, there will be nine buses in excess of 15 years old. Mileage on the nine buses ranges from 138,002 to 269,908, with an average of 216,207. Current cost for a 65 passenger special needs bus is approximately \$120,000. The cost of a conventional 77 passenger bus is approximately \$109,000. Beyond 2025, plan to replace one (1) bus per year, at a minimum.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Vehicle	\$ -	-	\$109,000	\$120,000	\$109,000	\$109,000	\$447,000
Grand Total	\$ -	-	\$109,000	\$120,000	\$109,000	\$109,000	\$447,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ -	-	\$109,000	\$120,000	\$109,000	\$109,000	\$447,000
Grand Total	\$ -	-	\$109,000	\$120,000	\$109,000	\$109,000	\$447,000
Project Status	Impact on Operating Budget:						
There is currently no status to report for this project.	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.						

Project Information

Contact: Jennifer Parish

Department: Improvement

Project Number and Title: Asphalt Repairs; 12-SCH-001

Project Type: Improvement

Useful Life: 15 years

Comprehensive Plan: Chapter 6 Page 32

Project Description and Scope

Division wide asphalt pavement replacement and/or repaving due to alligatoring/cracking and years of usage. The City has assisted in maintenance of the lots by assisting with repairs.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	-	-	-	-	-	\$ 157,300	\$ 157,300
Grand Total	-	-	-	-	-	\$ 157,300	\$ 157,300
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	-	-	-	\$ 157,300	\$ 157,300
Grand Total	-	-	-	-	-	\$ 157,300	\$ 157,300

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Jennifer Parish

Department: Schools

Project Number and Title: High School Gym HVAC; 12-SCH-004
(Priority 6)

Project Type: Improvement

Useful Life: 15 years

Comprehensive Plan: Chapter 6 Page 32



Project Description and Scope

Air conditioning was never provided for the High School Gym. Adding air conditioning will enhance the comfort of students, parents, faculty, and the community.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	\$ -	\$ -	\$ -	\$ 189,700	\$ -	\$ -	\$ 189,700
Grand Total	\$ -	\$ -	\$ -	\$ 189,700	\$ -	\$ -	\$ 189,700
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Issue	\$ -	\$ -	\$ -	\$ 189,700	\$ -	\$ -	\$ 189,700
Grand Total	\$ -	\$ -	\$ -	\$ 189,700	\$ -	\$ -	\$ 189,700

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Jennifer Parish

Department: Schools

Project Number and Title: High School Chiller/Water Tower;

18-SCH-001

Project Type: Improvement

Useful Life: 30 years

Comprehensive Plan: Chapter 6 Page 32

Project Description and Scope

Replace centrifugal chiller and companion water cooling tower, which will be 30 years old in 2027. Twenty-five years is industry standard for the end of the life cycle for these two major pieces of equipment.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	-	-	-	-	-	\$ 316,200	\$ 316,200
Grand Total	-	-	-	-	-	\$ 316,200	\$ 316,200

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	-	-	-	\$ 316,200	\$ 316,200
Grand Total	-	-	-	-	-	\$ 316,200	\$ 316,200

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	

Project Information

Contact: Jennifer Parish

Department: Schools

Project Number and Title: Primary School Chiller/Water Tower;

20-SCH-001

Project Type: Improvement

Useful Life: 30 years

Comprehensive Plan: Chapter 6 Page 32

Project Description and Scope

Replace chiller and companion water cooling tower, which will be 25 years old in 2026. Twenty-five years is industry standard for the end of the life cycle of this major piece of equipment.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	-	-	-	-	-	\$ 100,000	\$ 100,000
Grand Total	-	-	-	-	-	\$ 100,000	\$ 100,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	-	-	-	\$ 100,000	\$ 100,000
Grand Total	-	-	-	-	-	\$ 100,000	\$ 100,000
Project Status	Impact on Operating Budget:						
There is currently no status to report for this project.							

Project Information

Contact: Jennifer Parish

Department: Schools

Project Number and Title: Turf Field Replacement; 24-SCH-001

Project Type:

Useful Life:

Comprehensive Plan: Chapter 6 Page 32



Project Description and Scope

Replacement of the artificial turf field located on the football field behind the Middle School. This field has been utilized by the High School and Middle School, as well as the City for youth sports. The turf field will be 16 years old in 2024. The average lifespan of an artificial turf field is eight to ten years.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Replacement	-	-	-	\$ 407,200	-	-	\$ 407,200
Grand Total	-	-	-	\$ 407,200	-	-	\$ 407,200
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Service	-	-	-	\$ 407,200	-	-	\$ 407,200
Grand Total	-	-	-	\$ 407,200	-	-	\$ 407,200

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

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Project Information

Contact: Cliff Bowen

Department: Police & Fire

Project Number and Title: Public Safety Building 11-PS-003

Project Type: Building

Useful Life: 25 years

Comprehensive Plan: Chapter 1 Page 1



Project Description and Scope

This project involves the construction of a public safety building. The square footage will be determined by the feasibility study currently being performed.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grand Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Issue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grand Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Status	Impact on Operating Budget:						
There is currently no status to report for this project.							

Project Information

Contact: Robert Holloway

Department: Fire

Project Number and Title: Lifepak 15s; 21-PS-001

Project Type: Equipment

Useful Life: 8 years

Comprehensive Plan: Chapter 6 Page 12



Project Description and Scope

The department currently maintains seven (7) monitor/defibrillators for Advanced Life Support treatments. Five (5) of these are the Lifepak 12 and two (2) of these are the Lifepak 15. All Lifepak 12 are at least 10 years old and have been discontinued by the manufacturer, Physio Control, in 2012. The newer model offered by the manufacturer is the Lifepak 15. During this past fiscal year, two (2) of the Lifepak 12 units have stopped functioning and cannot be serviced or repaired. The department should upgrade the defibrillators to a model which is still serviced by the manufacturer. By purchasing two (2) units every other year we should stay within manufacturers recommendations for replacement.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	-	\$ 65,714	-	\$ 65,714	-	-	\$ 131,428
Grand Total	-	\$ 65,714	-	\$ 65,714	-	-	\$ 131,428
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	\$ 65,714	-	\$ 65,714	-	-	\$ 131,428
Grand Total	-	\$ 65,714	-	\$ 65,714	-	-	\$ 131,428
Project Status	Impact on Operating Budget:						
There is currently no status to report on this project.	New Lifepak 15s will help to relieve some of the repair costs associated with the aging Lifepak 12 units. Eventually having all Lifepak 15s in service will also allow us to only maintain one battery style as each model uses a different battery.						

Project Information

Contact: Robert Holloway

Department: Fire

Project Number and Title: Stretcher replacement; 21-PS-002

Project Type: Equipment

Useful Life: 10 years

Comprehensive Plan: Chapter 6 Page 12



Project Description and Scope

The current stretchers in the department range from 2 to over 20 years old. This purchase would replace the two oldest stretchers and install the proper restraint system in two medic units. Future purchases of this type will be combined with Medic unit purchases. This project will ensure that the equipment meets or exceeds Federal patient restraint standards and offers back injury preventative technology to department staff. The department will be applying for grants to assist with the funding of the project. An application will be made to a grant that provides 95% with 5% local. This grant is very competitive and if not successful an application will be made to a 50/50 grant.

Project Expenditures	FY21	FY22	FY23	FY24	FY24	Beyond FY25	Total Cost
Power Restraint System (2)	-	\$ 48,946	-	-	-	-	\$ 48,946
Power Pro Stretchers (2)	-	\$ 37,866	-	-	-	-	\$ 37,866
Installation (2)	-	\$ 6,750	-	-	-	-	\$ 6,750
Grand Total	-	\$ 93,562	-	-	-	-	\$ 93,562

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	\$ 93,562	-	-	-	-	\$ 93,562
Grand Total	-	\$ 93,562	-	-	-	-	\$ 93,562

Project Status

There is currently no status to report on this project.

Impact on Operating Budget:

Stretchers have a recommended life expectancy of 8 years. With proper maintenance this time could be extended to 10 years to help plan for replacement costs.

Project Information

Contact: Robert Holloway

Department: Fire

Project Number and Title: Replace Medic 11; 22-PS-001

Project Type: Equipment

Useful Life: 10 years

Comprehensive Plan: Chapter 6 Page 12



Project Description and Scope

Replacement of Medic 11 located at Station #1. The unit will include additional required safety standards in the patient restraint system. Medic 11 is a 2002 Ford E-450 Type III unit made by Wheeled Coach and currently has 79,269 miles. This project also includes the purchase of a new power stretcher to be compatible with the required patient restraint system. The department will be applying for a grant to assist with the funding of the project. An application will be made to a 50/50 grant.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	-	-	\$ 220,000	-	-	-	\$ 220,000
Grand Total	-	-	\$ 220,000	-	-	-	\$ 220,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	\$ 220,000	-	-	-	\$ 220,000
Grand Total	-	-	\$ 220,000	-	-	-	\$ 220,000
Project Status	Impact on Operating Budget:						
There is currently no status to report on this project.	The new vehicle should require little repair and maintenance, thereby reducing these costs.						

Project Information

Contact: Ellen Roberts

Department: Transportation & Drainage

Project Number and Title: Chesapeake Bay/Stormwater TMDL

Improvements; 12-T&D-001

Project Type: Improvement

Useful Life: 25+ years

Comprehensive Plan: Chapter 5 Page 7 & 18

Project Description and Scope

These funds are for EPA and Virginia DEQ required improvements to Poquoson's public drainage system and properties. Funding will be used to develop a mandatory bacterial TMDL treatment program in accordance with 9VAC25-890 and to perform restoration and maintenance work to the City's BMPs in outyears. Maintaining and upgrading BMPs is mandated by the Bay TMDL program and the City's Municipal Separate Storm Sewer (MS4) permit. This permit is enforced by the Virginia DEQ and the EPA under the Clean Water Act and 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Action Plan Development and	-	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000	\$ 14,000,000
Grand Total	-	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000	\$ 14,000,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Issue	-	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000	\$ 14,000,000
Grand Total	-	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 10,000,000	\$ 14,000,000

Project Status

Poquoson submitted a draft action plan in June 2018 for years 6 -10 of the program. The City proposed using Hampton Roads Sanitation District credits to meet program requirements. As these credits were funded by user fees, including those of Poquoson citizens, credits are available at no additional cost to the City. The proposed credit trading is in accordance with state nutrient and sediment credit laws. Once approved, the project expenditure amounts will change. Until that time, the expenditure amounts from previous CCIPs are included as place holders. Any changes to the state program and laws may result in additional City expenditures during this period and during years 11-15 of the program. Some of the projected expenditures are needed to fund Poquoson's MS4 permit requirements. Project expenditures are anticipated to significantly decrease but not be eliminated by state approval of the City's plan.

Impact on Operating Budget:

City included a portion of the TMDL in the FY 2019 General Obligation Bonds. The anticipated principal and interest for FY 2020 is \$16,750

Project Information

Contact: Ellen Roberts

Department: Transportation & Drainage

Project Number and Title: Poquoson Shores Tidal Flooding;

12-T&D-002

Project Type: Improvement

Useful Life: 20 years

Comprehensive Plan: Chapter 7 Page 24



Project Description and Scope

Work includes primarily installing tide check or flap valves and reconfiguring some ditching to reduce tidal flooding in an area with road elevations of less than 4' above sea level.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Plan/Design/Construction	-	-	\$ 80,000	-	-	-	\$ 80,000
Grand Total	-	-	\$ 80,000	-	-	-	\$ 80,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	\$ 80,000	-	-	-	\$ 80,000
Grand Total	-	-	\$ 80,000	-	-	-	\$ 80,000

Project Status

Impact on Operating Budget:

While the tidal valves installed to date function as designed, they are often vandalized and propped open, therefore eliminating their ability to keep tidal waters out of the City's drainage system. In addition, the tidal valves are most needed in low lying areas that are also experiencing high groundwater. Groundwater can seep into older drainage pipes, reducing system capacity and creating the impression that the valves are allowing tidal water to enter the system. This project is on hold until FY 2023 or later so that alternative tidal control devices and methods can be developed by the industry and explored by City staff.

Project Information

Contact: Ellen Roberts

Department: Transportation & Drainage

Project Number and Title: Poquoson Avenue Piping Upgrade;

12-T&D-003

Project Type: Improvement

Useful Life: 25+ years

Comprehensive Plan: Chapter 7 Page 24



Project Description and Scope

This project involves replacing approximately 204 l.f. of 24" reinforced concrete pipe (RCP) with a larger capacity 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 obtained and bulkhead work performed at the pipe outfall. 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	-	-	-	-	-	\$ 230,000	\$230,000
Grand Total	-	-	-	-	-	\$ 230,000	\$ 230,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	-	-	-	\$ 230,000	\$ 230,000
Grand Total	-	-	-	-	-	\$ 230,000	\$ 230,000

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Street Paving 12-T&D-007

Project Type: Replacement

Useful Life:

Comprehensive Plan: Chapter 7 Page 1

Project Description and Scope

Street repaving is necessary for infrastructure upkeep. The following streets are scheduled to be repaved in the following years:

FY21— Poquoson Ave (Upper End - Wythe Creek Rd to Little Florida Rd), Hudgins Rd, Lessies Dr, Carmines Crt, Darden Dr

FY22—Valmoore Dr, Jefferson Crt, Nelson Crt, Rochambeau Dr, Powhatan Dr, Chowan Cir, Cherokee Dr, Emory Place (Middle Section)

FY23—Whitehouse Dr, Evans Cir, Island Ct, Island Crt, Hunt Wood Dr, Willis Crt, Frank Hunt Crt, Oscar Crt, Woodhaven Dr, Thomas Dr, Basil Crt, Emmaus Rd

FY24— Bunting Ln, Locust Run, Martha Crt, Floyd Ave, Holly St, Lodge Rd, Hansom Dr, Wendell Cir, Edwards Rd

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	\$ 341,824	\$ 353,364	\$ 397,790	\$ 346,573	\$ 356,462	-	\$ 1,796,013
Grand Total	\$ 341,824	\$ 353,364	\$ 397,790	\$ 346,573	\$ 356,462	-	\$ 1,796,013
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
State Funding	\$ 341,824	\$ 353,364	\$ 397,790	\$ 346,573	\$ 356,462	-	\$ 1,538,321
Grand Total	\$ 341,824	\$ 353,364	\$ 397,790	\$ 346,573	\$ 356,462	-	\$ 1,538,321

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Keeping streets in good shape, cut down on repair and maintenance cost.

Project Information

Contact: Ellen Roberts

Department: Transportation & Drainage

Project Number and Title: Oxford Mews Drainage Improvements;

15-T&D-001

Project Type: Drainage System Retrofits

Useful Life: 25+ years

Comprehensive Plan: Chapter 7 Page 24

Project Description and Scope

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. 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 1970s 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Planning/Design	-	-	-	-	-	\$ 70,000	\$ 70,000
Construction	-	-	-	-	-	\$ 150,000	\$ 150,000
Grand Total	-	-	-	-	-	\$ 220,000	\$ 220,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	-	-	-	\$ 220,000	\$ 220,000
Grand Total	-	-	-	-	-	\$ 220,000	\$ 220,000

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	Minimal impacts on operating budget are expected. This project should improve drainage.

Project Information

Contact: Ellen Roberts

Department: Transportation & Drainage

Project Number and Title: South Lawson Park Bike Path

Construction; 20-T&D-001

Project Type: Improvement

Useful Life: Indefinite

Comprehensive Plan: Chapter 7 Page 10



Project Description and Scope

This is the design and construction of a multi-use trail in South Lawson Park and includes improvements to the park's stormwater pond to provide water quality and quantity management for the additional impervious area.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Design	-	\$ 55,100	\$ -	-	-	-	\$ 55,100
Construction	-	\$ -	\$ 140,000	-	-	-	\$ 140,000
Grand Total	-	\$ 55,100	\$ 140,000	-	-	-	\$ 195,100
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
State Funds	-	\$ 55,100	\$ 140,000	-	-	-	\$ 195,100
Grand Total	-	\$ 55,100	\$ 140,000	-	-	-	\$ 195,100

Project Status	Impact on Operating Budget:
State funding will become available in October 2019. At that time, consultant procurement will begin.	Minimal. The City will have to maintain an additional trail.

Project Information

Contact: Ellen Roberts

Department: Transportation & Drainage

Project Number and Title: Poquoson Ave/Little Florida/Laydon

Way Shipwreck Island; 21-T&D-001

Project Type: Improvement

Useful Life: Indefinite

Comprehensive Plan: Chapter 7 Page 12

Project Description and Scope

This project will realign Laydon Way to improve visibility, safety and capacity at the intersection. Traffic calming measures will also be considered. This is at the intersection of Poquoson Avenue, Little Florida Road, and Laydon Way.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Design	-	\$ 43,700	-	-	-	-	\$ 43,700
Construction	-	-	\$ 556,300	-	-	-	\$ 556,300
Grand Total	-	\$ 43,700	\$ 556,300	-	-	-	\$ 600,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
State Funds	-	\$ 43,700	256,300	-	-	-	\$ 300,000
General Fund	-	-	\$ 300,000	-	-	-	\$ 300,000
Grand Total	-	\$ 43,700	\$ 556,300	-	-	-	\$ 600,000

Project Status

Impact on Operating Budget:

This is envisioned as a revenue sharing project. The project concept is currently being developed with the goal of applying for state Revenue Sharing funds. This will Poquoson to provide a 1:1 match.

Project Information

Contact: Ellen Roberts

Department: Transportation & Drainage

Project Number and Title: Wythe Creek Road South; 08-T&D-202

Project Type: Improvement

Useful Life: Indefinite

Comprehensive Plan: Chapter 7 Page 12

Project Description and Scope

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). 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	-	\$ 19,800,000	-	-	-	-	\$ 19,800,000
Grand Total	-	\$ 19,800,000	-	-	-	-	\$ 19,800,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
State Funding	-	\$ 19,800,000	-	-	-	-	\$ 19,800,000
Grand Total	-	\$ 19,800,000	-	-	-	-	\$ 19,800,000

Project Status

Impact on Operating Budget:

VDOT is managing this project and anticipates that it will be advertised in Fiscal Year 2020. Poquoson's share is due at or before advertisement, in Fiscal Year 2020. Contract award is expected in the first few months of 2020. Construction will begin on the Hampton side of the project and then travel northward into Poquoson about 1.5-2.5 years after construction begins in Hampton. The time frame and sequence of construction are subject to change.

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.

Project Information

Contact: Ellen Roberts

Department: Transportation & Drainage

Project Number and Title: Victory Boulevard; 12-T&D-006

Project Type: Improvement

Useful Life: Indefinite

Comprehensive Plan: Chapter 7 Page 11

Project Description and Scope

This project involves enhancing Victory Boulevard from the City/York County line to its intersection with Wythe Creek Road. Work includes the addition of turn lanes at intersections; commercial access management near Wythe Creek Road; and a multiuse path. The City recently applied for and received funding under the VDOT Smart Scale program.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Design and Construction	-	-	-	-	-	\$ 3,773,000	\$ 3,773,000
Grand Total	-	-	-	-	-	\$ 3,773,000	\$ 3,773,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
State Funding	-	-	-	-	-	\$ 3,730,000	\$ 3,730,000
General Fund	-	-	-	-	-	\$ 43,000	\$ 43,000
Grand Total	-	-	-	-	-	\$ 3,773,000	\$ 3,773,000

Project Status	Impact on Operating Budget:
Poquoson and York County recently applied for funding for this project through the Smart Scale program. This is a highly competitive program, with applications for funding far outweighing available money.	Poquoson receives VDOT maintenance money to fund maintenance work.

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Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Public Works Compound 08-PW-407

Project Type: Building

Useful Life: 30+ years

Comprehensive Plan: Chapter 6 Page 8

Project Description and Scope

Phase I: Perform a feasibility study to explore the recommended needs and updated cost estimate for the replacement of outdated buildings/structures in the Public Works Compound as stated below.

The study is needed not only to provide the needs assessment of the existing infrastructure, but to outline the phases and cost estimate per year beyond FY25 to complete the proposed project in an efficient manner if approved.

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. 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	-	\$ 50,000	-	-	-	\$ -	\$ 50,000
Grand Total	-	\$ 50,000	-	-	-	\$ -	\$ 50,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Issue	-	\$ 50,000	-	-	-	\$ -	\$ 50,000
Grand Total	-	\$ 50,000	-	-	-	\$ -	\$ 50,000

Project Status

There is currently no status to report for this project.

Impact on Operating Budget:

Old garage building is costing more maintenance money.

Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Dump Truck 12-PW-001

Project Type: Replacement

Useful Life: 15 years

Comprehensive Plan: Chapter 7 Page 1



Project Description and Scope

2002 GMC Crew Cab with air compressor (PW3), 2000 GMC 7500 (PW6), and 2005 GMC 7500 (PW5). 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 150,000	-	\$ 345,000	-	-	-	\$ 495,000
Grand Total	\$ 150,000	-	\$ 345,000	-	-	-	\$ 495,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 150,000	-	\$ 345,000	-	-	-	\$ 495,000
Grand Total	\$ 150,000	-	\$ 345,000	-	-	-	\$ 495,000

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Costing a lot more in maintenance. Had to replace dump body on PW5 and 2 more will need replacing soon. (appx. Cost \$10,000.00 each) Parts are harder to obtain with trucks over 15 years old.

Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Loader 12-PW-003

Project Type: Replacement

Useful Life: 16 years

Comprehensive Plan: Chapter 7 Page 1



Project Description and Scope

Replace existing 1990 John Deere 544E Loader – PW15. 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 31 years old if replaced in FY 21. Recommended replacement is 16 years for this equipment.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 260,000	-	-	-	-	-	\$ 260,000
Grand Total	\$ 260,000	-	-	-	-	-	\$ 260,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 260,000	-	-	-	-	-	\$ 260,000
Grand Total	\$ 260,000	-	-	-	-	-	\$ 260,000

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	Parts have become very hard to get. Newer equipment will reduce repair costs and help keep department operations run more efficient.

Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Grader 12-PW-004

Project Type: Equipment

Useful Life: 15 years

Comprehensive Plan: Chapter 7 Page 1



Project Description and Scope

Replace existing 1997 LEEBOY Grader – PW16. This piece of equipment is used for maintaining the road shoulders throughout the City. Due to its age it is very hard to find parts. Guideline replacement is 16 years. It will be 25 years old if replaced in FY 2021.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 165,000	-	-	-	-	-	\$ 165,000
Grand Total	\$ 165,000	-	-	-	-	-	\$ 165,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 165,000	-	-	-	-	-	\$ 165,000
Grand Total	\$ 165,000	-	-	-	-	-	\$ 165,000

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	Newer equipment requires less repair costs and down time. This machine is critical in our snow removal operation.

Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Dozier 12-PW-006

Project Type: Equipment

Useful Life: 16 years

Comprehensive Plan: Chapter 7 Page 1



Project Description and Scope

Replace existing 1998 John Deere 450 Dozier – PW26. 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 24 years old if replaced in FY 2021.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 150,000	-	-	-	-	-	\$ 150,000
Grand Total	\$ 150,000	-	-	-	-	-	\$ 150,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 150,000	-	-	-	-	-	\$ 150,000
Grand Total	\$ 150,000	-	-	-	-	-	\$ 150,000

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Newer equipment decreases annual repair costs

Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Excavator 15-PW-001

Project Type: Equipment

Useful Life: 16 years

Comprehensive Plan: Chapter 7 Page 2



Project Description and Scope

Replace existing 1994 All Terrain Excavator – PW12. 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 405,000	-	-	-	-	-	\$ 405,000
Grand Total	\$ 405,000	-	-	-	-	-	\$ 405,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 405,000	-	-	-	-	-	\$ 405,000
Grand Total	\$ 405,000	-	-	-	-	-	\$ 405,000

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	Cannot get parts for this piece of equipment anymore. Therefore the machine is broke down most of the time. Can't get critical jobs done until we get a replacement.

Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Backhoe 16-PW-001

Project Type: Replacement

Useful Life: 16 years

Comprehensive Plan: Chapter 7 Page 1



Project Description and Scope

The 2006 Komatsu Backhoe (PW14) 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	-	-	-	-	-	\$ 130,000	\$ 130,000
Grand Total	-	-	-	-	-	\$ 130,000	\$ 130,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	-	-	-	\$ 130,000	\$ 130,000
Grand Total	-	-	-	-	-	\$ 130,000	\$ 130,000
Project Status	Impact on Operating Budget:						
There is currently no status to report for this project.	Maintenance cost would be reduced with a newer piece of equipment creating a positive impact in our maintenance budget.						

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Project Information

Contact: David Callis

Department: Recreation & Events

Project Number and Title: Blue Way System; 08-P&R-503

Project Type: Construction-- Recreational Amenities

Useful Life: 25+ years

Comprehensive Plan: Chapter 6 Page 22, 23

Project Description and Scope

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 Blue Way trail system would be developed utilizing existing creeks and channels. Poquoson is blessed with miles of small creeks and channels, most of which are not navigable by 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 Blue Ways, 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Trail Master Plan	-	-	\$ 4,000	-	-	-	\$ 4,000
Signage, Posts, etc.	-	-	\$ 50,000	-	-	-	\$ 50,000
Location upgrades (piers, ramps, gravel, site work)	-	-	\$ 16,500	-	-	-	\$ 16,500
Grand Total	-	-	\$ 70,500	-	-	-	\$ 70,500

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Grant Funding	-	-	\$ 70,500	-	-	-	\$ 70,500
Grand Total	-	-	\$ 70,500	-	-	-	\$ 70,500

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	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.

Project Information

Contact: David Callis

Department: Recreation & Events

Project Number and Title: Western Precinct Park; 08-P&R-509

Project Type: Land Acquisition/Park Construction

Useful Life: 25+ years

Comprehensive Plan: Chapter 6 Page 17 & 27

Project Description and Scope

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

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Land Acquisition/Construction	-	-	-	-	-	\$ 1,000,000	\$ 1,000,000
	Grand Total	-	-	-	-	\$ 1,000,000	\$ 1,000,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Service	-	-	-	-	-	\$ 1,000,000	\$ 1,000,000
	Grand Total	-	-	-	-	\$ 1,000,000	\$ 1,000,000
Project Status	Impact on Operating Budget:						
There is currently no status to report for this project.	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 any type of project.						

Project Information

Contact: David Callis

Department: Recreation & Events

Project Number and Title: South Lawson Park Upgrades; 08-P&R-512

Project Type: Construction

Useful Life: 25+ years

Comprehensive Plan: Chapter 6 Page 15



Project Description and Scope

Construction of picnic shelters (2), a restroom concession stand facility, a playground, sand volleyball court and pond aeration system. 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 now use South Lawson Park. At present utilities are stubbed to the site. Additionally, the Lion's Club has officially adopted the park and continues to provide new playground equipment and other amenities as their funding permits. The South Lawson proposed restroom/concession area is located within the AE7 flood zone requiring the structure or floor drains to be 7 feet above base flood elevation (BFE). The restroom/concession area is designated as an A-5 use and as such must include 1 water fountain, 1 utility sink/janitorial area, a men's side with 1 men's ADA accessible toilet and 1 urinal, and 3 women's restrooms (one of which must be ADA accessible) and respective sinks. All fixtures are recommended to be marine grade, stainless steel fixtures for vandalism consideration and commercial use in the park setting. The project estimate also reflects an ADA compliant service ramp, site preparation to meet BFE, and extension of utilities to the building.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Restrooms/Concession Area	-	-	\$ 185,000	-	-	-	\$ 185,000
Shelter	-	-	\$ 25,000	-	-	-	\$ 25,000
Playground/Sand Volleyball Courts	-	-	\$ 45,000	-	-	-	\$ 45,000
BMP pond aeration system	\$ 25,000	-	-	-	-	-	\$ 25,000
Grand Total	\$ 25,000	-	\$ 255,000	-	-	-	\$ 280,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 25,000	-	\$ 230,000	-	-	-	\$ 255,000
Donation	-	-	\$ 25,000	-	-	-	\$ 25,000
Grand Total	\$ 25,000	-	\$ 255,000	-	-	-	\$ 280,000

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

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.

Project Information

Contact: Dave Callis

Department: Recreation & Events

Project Number and Title: Municipal Ballfield Lighting Upgrade;
08-P&R-513

Project Type: Municipal Ballfield Lighting Upgrade

Useful Life: 20+ years

Comprehensive Plan: Chapter 6 Page 16, 18, 27



Project Description and Scope

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. The upgraded system will include automated on/off, remote location control, preventing unauthorized use and allowing greater security. 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 which at present does not meet any lighting standards for any sport.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 177,000	-	-	-	-	-	\$ 177,000
Installation	\$ 96,000	-	-	-	-	-	\$ 96,000
Grand Total	\$ 273,000	-	-	-	-	-	\$ 273,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 273,000	-	-	-	-	-	\$ 273,000
Grand Total	\$ 273,000	-	-	-	-	-	\$ 273,000

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	It is anticipated that new, more energy efficient lighting fixtures will result in operational savings in utility and repair costs compared to present expenditures for this facility.

Project Information

Contact: David Callis

Department: Recreation & Events

Project Number and Title: Municipal Pool Reconstruction;
11-P&R-002

Project Type: Construction

Useful Life: 30+ years

Comprehensive Plan: Chapter 6 Page 19, 27



Project Description and Scope

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 and concrete replacement, pool house with changing facility, 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. Municipal Pool is approximately 38 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, including a family restroom. 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 and grow aquatics program offerings. Additionally the pool remains in the AE8 flood zone in respective to the pool house construction/renovation, requiring a raised structure. Project estimate reflects cost of project site elevation: facility is in a AE8 Flood Zone.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Design & Engineering	-	-	-	-	-	\$ 50,000	\$ 50,000
Construction	-	-	-	-	-	\$ 2,950,000	\$ 2,950,000
Pool House/restroom	-	-	-	-	-	\$ 200,000	\$ 200,000
Grand Total	-	-	-	-	-	\$ 3,200,000	\$ 3,200,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Issue	-	-	-	-	-	\$ 3,200,000	\$ 3,200,000
Grand Total	-	-	-	-	-	\$ 3,200,000	\$ 3,200,000

Project Status

There is currently no status to report for this project.

Impact on Operating Budget:

The upgraded facility should reduce the continued impacts for repair, leaks, concrete repacements, and overall improved energy efficiency. A new facility will more efficiently treat water, lessen water usage and lower electrical and water usage over time thus lowering chemical outlay costs. The operational costs would hopefully stabilize due to more efficient equipment installed with the new facility while being under warranty.

Project Information

Contact: David Callis

Department: Recreation & Events

Project Number and Title: Recreation Center; 11-P&R-003

Project Type: Construction

Useful Life: 30+ years

Comprehensive Plan: Chapter 6 Page 25, 27



Project Description and Scope

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. 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
A & E	-	-	-	-	-	\$ 500,000	\$ 500,000
Construction	-	-	-	-	-	\$ 16,000,000	\$ 16,000,000
Grand Total	-	-	-	-	-	\$ 16,500,000	\$ 16,500,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Debt Issue	-	-	-	-	-	\$ 16,500,000	\$ 16,500,000
Grand Total	-	-	-	-	-	\$ 16,500,000	\$ 16,500,000
Project Status	Impact on Operating Budget:						
There is currently no status to report for this project.	The City could partner with a fitness provider who could assist in providing the fitness portions of programming for the facility to include exercise, dance, and classes. The fitness provider would share in the profits and costs of the operation. League use and sports programming fees could assist in supporting a small portion of the overhead to operate the building as well, however the operating costs would be recovered through user fees. There would be debt service as part of the costs and would be relative to the market rate.						

Project Information

Contact: David Callis

Department: Recreation & Events

Project Number and Title: Firth Field Light Replacement;

13-P&R-001

Project Type: Athletic Field Light Replacement

Useful Life: 25+ years

Comprehensive Plan: Chapter 6 Page 18, 27



Project Description and Scope

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. 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 216,000	-	-	-	-	-	\$ 306,000
Installation	\$ 90,000	-	-	-	-	-	-
Grand Total	\$ 306,000	-	-	-	-	-	\$ 306,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 306,000	-	-	-	-	-	\$ 306,000
Grand Total	\$ 306,000	-	-	-	-	-	\$ 306,000

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	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.

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Project Information

Contact: Wally Horton

Department: Facilities

Project Number and Title: City Hall Parking Lot Repaving;
22-FAC-001

Project Type: Improvement

Useful Life: 20 years

Comprehensive Plan: Chapter 6 Page 1

Project Description and Scope

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

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	-	\$ 60,457	-	-	-	-	\$ 60,457
Grand Total	-	\$ 60,457	-	-	-	-	\$ 60,457

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	\$ 60,457	-	-	-	-	\$ 60,457
Grand Total	-	\$ 60,457	-	-	-	-	\$ 60,457

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	

Project Information

Contact: Tonya O'Connell

Department: Finance

Project Number and Title: Financial System; 12-FIN-001

Project Type: Software & Equipment

Useful Life: 10 years

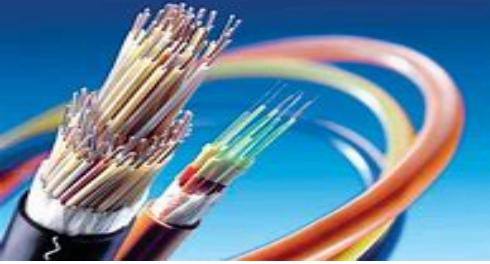
Comprehensive Plan: Chapter 6 Page 7



Project Description and Scope

The replacement of the financial, Commissioner of the Revenue, and Treasurer software program, and the related hardware. (Enterprise Reporting System or ERP)

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	-	-	-	-	-	\$ 300,000	\$ 300,000
Grand Total	-	-	-	-	-	\$ 300,000	\$ 300,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	-	-	-	-	-	\$ 300,000	\$ 300,000
Grand Total	-	-	-	-	-	\$ 300,000	\$ 300,000
Project Status	Impact on Operating Budget:						
There is currently no status to report for this project.	Annual maintenance agreement will be required. It is anticipated that the cost will increase for the annual maintenance agreement.						

Project Information													
Contact: Joshua Montalvo													
Department: Technology													
Project Number and Title: Fiber optic Upgrades; 20-IT-002													
Project Type: Infrastructure Upgrades													
Useful Life: 30+ years													
Comprehensive Plan:		Chapter 6		Page 11									
Project Description and Scope													
<p>Installation of fiberoptic cables between Fire Station 1 and Poquoson Elementary School, City Hall and Fire Station 2, and City Hall and the Municipal Building. This will provide high speed communications between sites, consolidate internet connectivity, and simplify network complexity and expansion of VoIP phone system into FS2. Phase 1 - 12 strands of fiber will be installed between Fire Station 1 and PES. Very short distract of buried conduit will need to be installed between Station 1 and the existing buried conduit. 1Gb optics will be required for connectivity between sites to complete physical connection. Phase 2 - 36 strands of fiber will run from City Hall to the corner of Wythe Creek Rd and Hudgins Rd. The corner of Wythe Creek and Hudgins will be a splice point; 24 strands will terminate here (for future connection to Public Works) while 12 continue down Wythe Creek to Fire Station 2. 1Gb optics will be required for connectivity between sites to complete physical connection. Phase 3 - 36 strands of fiber will run from City Hall to the corner of Wythe Creek and Hudgins. The corner of Wythe Creek and Hudgins will serve as a splice point with 12 strands terminating here (for connection to FS2) and 24 strands will continue down Hudgins Rd to meet up with existing buried infrastructure. Using existing infrastructure fiber completing connection to public works. 40Gb optics will be used at both City Hall and Public Works to complete physical connection between the two sites.</p>													
Project Expenditures		FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost					
Infrastructure		\$ 48,000	\$ 150,000	-	-	-	-	\$ 198,000					
Grand Total		\$ 48,000	\$ 150,000	-	-	-	-	\$ 198,000					
Funding Source(s)		FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost					
General Fund		\$ 48,000	\$ 150,000	-	-	-	-	\$ 198,000					
Grand Total		\$ 48,000	\$ 150,000	-	-	-	-	\$ 198,000					
Project Status				Impact on Operating Budget:									
There is currently no status to report for this project.				Cancellation of FiOS internet service at Fire Stations 1 and 2; expansion of VoIP system into Fire Stations 1 and 2.									

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Project Information

Contact: Tom Jones

Department: Public Works

Project Number and Title: Debris Truck Replacement 17-SW-002&8

Project Type: Equipment

Useful Life: 12 years

Comprehensive Plan: Chapter 6 Page 8



Project Description and Scope

Replacement of two debris trucks SW6 (2006) and SW8 (2012). 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 185,000	-	\$ 185,000	-	-	-	\$ 370,000
Grand Total	\$ 185,000	-	\$ 185,000	-	-	-	\$ 370,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
General Fund	\$ 185,000	-	\$ 185,000	-	-	-	\$ 370,000
Grand Total	\$ 185,000	-	\$ 185,000	-	-	-	\$ 370,000

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	As these truck age they break down more often and are getting harder to get parts for. Attached sheet shows to date how much we have spent on each truck "costing more and more" each year.

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Project Information

Contact: Chad Krejcarek

Department: Utilities

Project Number and Title: Sanitary Sewer Consent Repairs;

21-SWR-001

Project Type: Utilities

Useful Life: 50 years

Comprehensive Plan: Chapter 7 Page 20

Project Description and Scope

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. 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. This project has 19 different stations and the plan would be to do this in four phases. Phase 1 starting in FY 2020.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Construction	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
Grand Total	\$ 350,000	\$ 2,100,000					

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer Revenue	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
Grand Total	\$ 350,000	\$ 2,100,000					

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Chad Krejcek

Department: Utilities

Project Number and Title: Pump Station Equipment Upgrades;
21-SWR-001

Project Type: Equipment

Useful Life: 20 years

Comprehensive Plan: Chapter 7 Page 20



Project Description and Scope

Replacement of pumps and upgrading equipment at PS #4 (Victory Blvd). This request also includes upgrading the Control panels and electrical equipment inside of the control panel. Due to age and wear this equipment needs to be replaced. This upgrade reduces the amount of maintenance and is much safer to operate than the system it is replacing. This would be the 3rd of 3 pump stations to have this upgrade. The first was completed in Dec of 2017. The second was completed in Feb of 2019. Would like for this project to be completed by Spring of 2020. (Quotes are in, pumps ordered is the next step) FY 22-FY25 and beyond will be replacing Gorman Rupp pump stations that are past their life cycle. Replacing Gorman Rupp pump stations that are past their 10 year life cycle. (Sta 5, 7, 8, 12, 11, 2D, 2E, 2F, 2G)

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 37,500	-	\$ 337,500
Grand Total	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 37,500	-	\$ 337,500
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer Revenue	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 37,500	-	\$ 337,500
Grand Total	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 37,500	-	\$ 337,500
Project Status	Impact on Operating Budget:						
There is currently no status to report for this project.							

Project Information

Contact: Chad Krejcarek

Department: Utilities

Project Number and Title: Replace SCADA; 18-SWR-002

Project Type: Improvement

Useful Life: 10 years

Comprehensive Plan: Chapter 7 Page 20

Project Description and Scope

Upgrade the pump station system control and data acquisition (SCADA) alarm system. Advancement in electronic systems are creating a situation where parts and programming will no longer be available to support our current operating 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.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment upgrades	\$ 50,000	\$ 50,000	-	-	-	-	\$ 100,000
Grand Total	\$ 50,000	\$ 50,000	-	-	-	-	\$ 100,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer Fund	\$ 50,000	\$ 50,000	-	-	-	-	\$ 100,000
Grand Total	\$ 50,000	\$ 50,000	-	-	-	-	\$ 100,000

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Chad Krejcarek

Department: Utilities

Project Number and Title: Sewer Line Replacement; 20-SWR-001

Project Type: Improvement

Useful Life:

Comprehensive Plan: Chapter 7 Page 20

Project Description and Scope

Repair leaking sewer main lines. Over time the joints of the sewer main lines start to leak. Digging up the roadways and repairing these leaks is not cost effective. Because of the advancement of slip lining technology, this process saves money over the conventional digging and repairing process. Locating and repairing leaks are part of a mandate from the Department of Environmental Quality/Health Department to ensure proper operations of the sanitary sewer system. The areas in need of this upgrade are: Complete the rest of Station 15 (Messick Rd), Station 10 (Ridge Rd), Station 12 (Cedar Rd), Station 9 (Freeman Dr), and Station 17 (River Rd).

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer line repair	\$ 250,000	\$ 350,000	\$ 350,000	-	-	-	\$ 950,000
Grand Total	\$ 250,000	\$ 350,000	\$ 350,000	-	-	-	\$ 950,000

Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer Fund	\$ 250,000	\$ 350,000	\$ 350,000	-	-	-	\$ 950,000
Grand Total	\$ 250,000	\$ 350,000	\$ 350,000	-	-	-	\$ 950,000

Project Status	Impact on Operating Budget:
There is currently no status to report for this project.	

Project Information

Contact: Chad Krejcarek

Department: Utilities

Project Number and Title: Pump Station Building Upgrades;

20-SWR-002

Project Type: Improvement

Useful Life: 30 years

Comprehensive Plan: Chapter 7 Page 20

Project Description and Scope

Buildings are needed to protect pump station equipment and to allow space for maintenance of the pump station equipment. Currently, Stations 5, 7, 8, 10, and 11 have quonset huts. There is barely enough space inside the huts for the pumps. It is near impossible to get tools and maintenance workers inside the hut when maintenance is required. The buildings are hot in the summer and cold in the winter months. The temperature and humidity changes cause the equipment to rust faster than normal. An actual building would help prolong the normal life cycle of the sewer pumps. Station 9 does not currently have anything to protect its equipment and Station 13 needs the current building to be made larger to allow space to perform maintenance.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Buildings	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	-	-	\$ 500,000
Grand Total	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	-	-	\$ 500,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer Fund	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	-	-	\$ 500,000
Grand Total	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	-	-	\$ 500,000

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Chad Krejcek

Department: Utilities

Project Number and Title: Pump Station Generators; 20-SWR-003

Project Type: Equipment

Useful Life: 15 Years

Comprehensive Plan: Chapter 7 Page 20

Project Description and Scope

Installation of Back-up Emergency Diesel Generators at Pump Stations: Sta #12 (Cedar Rd), Sta #13 (Rens Rd), Sta #5 (Wythe Creek), Sta #16 (Dorothy Dr). These are listed in order of priority. Upon completion of this project, all sewer pump stations in the City will have generators. Upgrade of Back-up Emergency Diesel Generators at Pump Stations: Sta #9 (Freeman Dr) and Sta #14 (Roberts Landing). Due to age and wear this equipment needs to be replaced. Cost per Generator is \$38,750. Installation, transfer switches, control panel, wiring, concrete work, and testing are \$27,500. This is a total of \$66,250 per Pump Station.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment Upgrades	\$ 132,500	\$ 132,500	\$ 132,500	-	-	-	\$ 397,500
Grand Total	\$ 132,500	\$ 132,500	\$ 132,500	-	-	-	\$ 397,500
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer Fund	\$ 132,500	\$ 132,500	\$ 132,500	-	-	-	\$ 397,500
Grand Total	\$ 132,500	\$ 132,500	\$ 132,500	-	-	-	\$ 397,500

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Chad Krejcek

Department: Utilities

Project Number and Title: Replace/Repair Manholes; 20-SWR-004

Project Type: Improvement

Useful Life:

Comprehensive Plan: Chapter 7 Page 20



Project Description and Scope

Repair multiple (ten) leaking manholes on Messick Rd. Over the years wear and tear along with salt water from the tide coming over the road has cause some manholes on Messick Rd to be rusted. Resulting in the water tight seal to fail. This failure allows salt water and dirt to enter the sewer system. The DEQ consent order states that if we know of leaks we have to take action on repairing those leaks.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment upgrades	\$ 150,000	\$ 150,000	-	-	-	-	\$ 300,000
Grand Total	\$ 150,000	\$ 150,000	-	-	-	-	\$ 300,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer Fund	\$ 150,000	\$ 150,000	-	-	-	-	\$ 300,000
Grand Total	\$ 150,000	\$ 150,000	-	-	-	-	\$ 300,000

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information

Contact: Chad Krejcarek

Department: Utilities

Project Number and Title: Sewer Line Camera, GIS program update; 21-SWR-002

Project Type: Equipment

Useful Life: 20 years

Comprehensive Plan: Chapter 7 Page 20



Project Description and Scope

Addition of a Sewer Line Camera system. This request also includes upgrading the Sewer GIS program. The addition of this Camera system will allow us to truly inspect and assess the entire City's Sewer Infrastructure. As of now we only have the ability to video from the lateral access to the main line. It will also give us a detailed map of the entire infrastructure to include all Laterals. The last video of the entire City's sewer lines was completed in 2010.

Project Expenditures	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Equipment	\$ 135,000	-	-	-	-	-	\$ 135,000
Grand Total	\$ 135,000	-	-	-	-	-	\$ 135,000
Funding Source(s)	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Sewer Revenue	\$ 135,000	-	-	-	-	-	\$ 135,000
Grand Total	\$ 135,000	-	-	-	-	-	\$ 135,000

Project Status

Impact on Operating Budget:

There is currently no status to report for this project.

Project Information													
Contact: Chad Krejcek													
Department: Utilities													
Project Number and Title: Vactor Truck Replacement; 22-SWR-01													
Project Type: Improvement													
Useful Life: 15 years													
Comprehensive Plan: Chapter 7		Page 20											
Project Description and Scope													
<p>Replace the current Vactor truck. The current Vactor truck is a 2001. Normal life cycle of this type of vehicle is 10-15 years. Age and salt water has taken a toll on this truck. This is the main piece of equipment to clean sewer main lines and is used for point repairs when digging with other equipment is not possible. This vehicle is used in emergency situations to avoid an overflow/spill of a wetwell.</p>													
Project Expenditures		FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost					
Equipment replacement		-	\$ 350,000	-	-	-	-	\$ 350,000					
Grand Total		-	\$ 350,000	-	-	-	-	\$ 350,000					
Funding Source(s)		FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost					
Sewer Fund		-	\$ 350,000	-	-	-	-	\$ 350,000					
Grand Total		-	\$ 350,000	-	-	-	-	\$ 350,000					
Project Status				Impact on Operating Budget:									
There is currently no status to report for this project.													

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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>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	Beyond <u>FY25</u>	Total <u>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>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	Beyond <u>FY25</u>	Total <u>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.

<u>Type</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	Beyond <u>FY25</u>	Total <u>Cost</u>
Police Patrol Vehicles	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000		\$200,000

Public Works

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.

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

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.

Type	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Parks Maintenance ¾ Ton Truck	\$25,000						\$25,000
Tractor with Bucket	\$12,000						\$12,000
1 Ton Pickup Truck	\$38,000						\$38,000
Roller		\$12,000					\$12,000
Sweeper		\$22,000					\$22,000
Total Public Works	\$108,000	\$34,000					\$180,000

Fire

Mobile Data Terminals: Units allow for GPS tracking, call information, and route mapping to be sent directly to each responding emergency unit from dispatch. Replacement of three units every other year.

Type	FY21	FY22	FY23	FY24	FY25	Beyond FY25	Total Cost
Mobile Data Terminals	\$21,030		\$21,030			\$21,030	\$63,090

Facilities - 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>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY25</u>	Beyond	Total
								<u>Cost</u>
Self-checkout machine								\$6,000
Sound proofing								\$5,000
Total Library								<u>\$11,000</u>

Facilities - Finance

City vehicle: The Finance Department maintains pool vehicles for use by City employees. Currently the vehicles are a 2004 Dodge Intrepid with approximately 67,000 miles & a 2006 Ford Taurus with approximately 59,000 miles. Due to their reliability the vehicles are only able to be used for local travel.

<u>Description</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY25</u>	Beyond	Total
								<u>Cost</u>
Vehicle								\$25,000
Total Finance								<u>\$25,000</u>

Parks and Recreation/Economic Development

City vehicle: The Parks and Recreation/Economic Development Department has a need for a vehicle to attend regularly scheduled meetings and to conduct tours of the city to help foster growth.

<u>Description</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY25</u>	Beyond	Total
								<u>Cost</u>
Vehicle								\$25,000
Total Parks/Rec/Economic Dev								<u>\$25,000</u>