

# **City of Poquoson Virginia**



## **Proposed Capital Improvements Plan FY 2017–Beyond FY 2021**

The City of Poquoson's Capital Improvement Plan (CIP) is a planning and budget tool which addresses the repair and replacement of existing infrastructure as well as the construction or acquisition of new facilities and equipment to accommodate current and future demands for service. More specifically, the CIP 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 CIP, 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 CIP does not typically include items defined as Capital Outlay. Included as a separate Appendix to the Capital Improvement Plan are certain items meeting the definition of a capital outlay. These items, normally shown within the City's Operating Budget, include such things as furniture, equipment, and vehicles needed to support the operation of the City's programs. Generally, a capital outlay item may be defined as an item valued in excess of \$5,000 but less than \$50,000

The projected costs of each capital project are sometimes the result of detailed engineering studies, and are sometimes simply working estimates. The project cost to be funded in the CIP 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. Each year the CIP may be adjusted as project costs are refined.

The annual Capital Improvements Plan process begins with the distribution of funding request packets to each City department and the School System. These request packets are returned to the Finance Department in early fall. 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 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 CIP.

City Council also holds a public hearing at which time the recommended CIP is presented. City Council has the authority to approve the recommended CIP as presented, or approve with amendments. After all public comments have been received and discussions satisfied, the CIP is then adopted, by vote, as the Council Adopted CIP. The first year of the Adopted CIP is incorporated into the Manager's Recommended Budget as the Capital Budget for the upcoming fiscal year.

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

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

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

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

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

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

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

The CIP 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 Manager's recommended CIP. Also included is a summary of the CIP for each department and their capital outlay as requested by the department and the recommended City Manager's totals. A detailed description of each CIP project is included as well as the Appendix of the capital outlay items.

The total CIP as requested by the departments over the five year period was \$28,642,765 and beyond the five year period was \$68,075,200 for a total CIP request of \$96,587,965.

The City Manager considered the debt policies adopted by Council, the available outside funding and available general fund resources to recommend a constrained CIP. Considering these factors, the City Manager's recommended CIP for the next five years is \$32,011,765.

## City Manager Recommended Summary Capital Improvements and Capital Outlay

| Funding Source                                      | FY 2017            | FY 2018            | FY 2019            | FY 2020             | FY 2021            | Beyond<br>FY 2021   | Total Cost          |
|---|--------------------|--------------------|--------------------|---------------------|--------------------|---------------------|---------------------|
| <b>SCHOOL PROJECTS</b>                              |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$669,000          | \$166,000          | \$508,000          | \$2,312,000         | \$166,000          | \$3,841,000         | \$7,662,000         |
| Capital Outlay                                      | \$0                | \$0                | \$0                | \$0                 | \$0                | \$0                 | \$0                 |
| <b>TOTAL SCHOOL PROJECTS</b>                        | <b>\$669,000</b>   | <b>\$166,000</b>   | <b>\$508,000</b>   | <b>\$2,312,000</b>  | <b>\$166,000</b>   | <b>\$3,841,000</b>  | <b>\$7,662,000</b>  |
| <b>PUBLIC SAFETY PROJECTS</b>                       |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$200,000          | \$0                | \$0                | \$350,000           | \$0                | \$0                 | \$550,000           |
| Capital Outlay                                      | \$38,000           | \$38,000           | \$38,000           | \$38,000            | \$38,000           | \$0                 | \$190,000           |
| <b>TOTAL PUBLIC SAFETY PROJECTS</b>                 | <b>\$238,000</b>   | <b>\$38,000</b>    | <b>\$38,000</b>    | <b>\$388,000</b>    | <b>\$38,000</b>    | <b>\$0</b>          | <b>\$740,000</b>    |
| <b>TRANSPORTATION &amp; DRAINAGE PROJECTS</b>       |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$1,014,900        | \$2,378,715        | \$2,082,988        | \$9,890,162         | \$1,453,700        | \$38,675,000        | \$55,495,465        |
| <b>TOTAL TRANSPORTATION &amp; DRAINAGE PROJECTS</b> | <b>\$1,014,900</b> | <b>\$2,378,715</b> | <b>\$2,082,988</b> | <b>\$9,890,162</b>  | <b>\$1,453,700</b> | <b>\$38,675,000</b> | <b>\$55,495,465</b> |
| <b>PUBLIC WORKS</b>                                 |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$170,000          | \$330,000          | \$745,000          | \$794,000           | \$165,000          | \$1,005,200         | \$3,209,200         |
| Capital Outlay                                      | \$45,000           | \$116,000          | \$44,000           | \$38,000            | \$34,000           | \$0                 | \$277,000           |
| <b>TOTAL PUBLIC WORKS</b>                           | <b>\$215,000</b>   | <b>\$446,000</b>   | <b>\$789,000</b>   | <b>\$832,000</b>    | <b>\$199,000</b>   | <b>\$1,005,200</b>  | <b>\$3,486,200</b>  |
| <b>FACILITIES PROJECTS</b>                          |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$0                | \$423,000          | \$0                | \$0                 | \$0                | \$0                 | \$423,000           |
| Capital Outlay                                      | \$5,000            | \$0                | \$0                | \$0                 | \$0                | \$43,500            | \$48,500            |
| <b>TOTAL FACILITIES</b>                             | <b>\$5,000</b>     | <b>\$423,000</b>   | <b>\$0</b>         | <b>\$0</b>          | <b>\$0</b>         | <b>\$43,500</b>     | <b>\$471,500</b>    |
| <b>FINANCE PROJECTS</b>                             |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$0                | \$250,000          | \$0                | \$0                 | \$0                | \$0                 | \$250,000           |
| <b>FINANCE PROJECTS</b>                             | <b>\$0</b>         | <b>\$250,000</b>   | <b>\$0</b>         | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$250,000</b>    |
| <b>SOLID WASTE</b>                                  |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$0                | \$0                | \$185,000          | \$0                 | \$0                | \$190,000           | \$375,000           |
| Capital Outlay                                      | \$25,000           | \$0                | \$0                | \$0                 | \$0                | \$0                 | \$25,000            |
| <b>TOTAL SOLID WASTE</b>                            | <b>\$25,000</b>    | <b>\$0</b>         | <b>\$185,000</b>   | <b>\$0</b>          | <b>\$0</b>         | <b>\$190,000</b>    | <b>\$400,000</b>    |
| <b>RECREATION &amp; EVENTS PROJECTS</b>             |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$0                | \$245,000          | \$310,000          | \$0                 | \$0                | \$3,000,000         | \$3,555,000         |
| <b>TOTAL RECREATION &amp; EVENTS PROJECTS</b>       | <b>\$0</b>         | <b>\$245,000</b>   | <b>\$310,000</b>   | <b>\$0</b>          | <b>\$0</b>         | <b>\$3,000,000</b>  | <b>\$3,555,000</b>  |
| <b>UTILITIES PROJECTS</b>                           |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$644,800          | \$482,000          | \$482,000          | \$392,000           | \$392,000          | \$350,000           | \$2,742,800         |
| Capital Outlay                                      | \$0                | \$0                | \$0                | \$0                 | \$0                | \$0                 | \$0                 |
| <b>TOTAL UTILITIES PROJECTS</b>                     | <b>\$644,800</b>   | <b>\$482,000</b>   | <b>\$482,000</b>   | <b>\$392,000</b>    | <b>\$392,000</b>   | <b>\$350,000</b>    | <b>\$2,742,800</b>  |
| <b>FLEET PROJECTS</b>                               |                    |                    |                    |                     |                    |                     |                     |
| Capital Outlay                                      | \$19,500           | \$22,850           | \$0                | \$0                 | \$0                | \$0                 | \$42,350            |
| <b>TOTAL FLEET PROJECTS</b>                         | <b>\$19,500</b>    | <b>\$22,850</b>    | <b>\$0</b>         | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$42,350</b>     |
| <b>NEW FACILITIES AND PROJECTS</b>                  |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$978,500          | \$154,000          | \$79,000           | \$79,000            | \$3,520,000        | \$17,515,000        | \$22,325,500        |
| Capital Outlay                                      | \$0                | \$0                | \$0                | \$0                 | \$0                | \$0                 | \$0                 |
| <b>TOTAL NEW FACILITIES AND PROJECTS</b>            | <b>\$978,500</b>   | <b>\$154,000</b>   | <b>\$79,000</b>    | <b>\$79,000</b>     | <b>\$3,520,000</b> | <b>\$17,515,000</b> | <b>\$22,325,500</b> |
| <b>TOTAL</b>  |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$3,677,200        | \$4,428,715        | \$4,391,988        | \$13,817,162        | \$5,696,700        | \$64,576,200        | \$96,587,965        |
| Capital Outlay                                      | \$132,500          | \$176,850          | \$82,000           | \$76,000            | \$72,000           | \$43,500            | \$582,850           |
| <b>TOTAL ALL DEPARTMENTS</b>                        | <b>\$3,809,700</b> | <b>\$4,605,565</b> | <b>\$4,473,988</b> | <b>\$13,893,162</b> | <b>\$5,768,700</b> | <b>\$64,619,700</b> | <b>\$97,170,815</b> |

## City Manager Recommended Capital Improvements Plan

| Project Title                                       | Funding Source | Project #  | FY 2017            | FY 2018               | FY 2019            | FY 2020            | FY 2021            | Beyond FY 2021      | Total Cost          |
|---|----------------|------------|--------------------|-----------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| <b>Replacement Projects</b>                         |                |            |                    |                       |                    |                    |                    |                     |                     |
| <b>SCHOOL PROJECTS</b>                              |                |            |                    |                       |                    |                    |                    |                     |                     |
| High School Forum Renovation                        | D              | 08-SCH-104 |                    |                       |                    |                    |                    | \$2,500,000         | \$2,500,000         |
| High School Track                                   | D              | 08-SCH-106 | \$302,000          |                       |                    |                    |                    |                     | \$302,000           |
| Primary School HVAC Replacement                     | D              | 10-SCH-107 | \$206,000          |                       |                    |                    |                    |                     | \$206,000           |
| Middle School Renovation                            | D              | 10-SCH-110 |                    | Plan to be Determined |                    |                    |                    |                     | \$0                 |
| Primary School Roof Replacement                     | GF             | 11-SCH-002 |                    |                       |                    | \$831,000          |                    | \$ 203,000          | \$1,034,000         |
| High School Locker Room Renovation                  | GF             | 11-SCH-005 |                    |                       |                    |                    |                    | \$67,000            | \$67,000            |
| High School HVAC                                    | D              | 11-SCH-006 | \$76,000           |                       |                    |                    |                    |                     | \$76,000            |
| Bus Replacement                                     | GF             | 11-SCH-009 | \$85,000           | \$166,000             | \$166,000          | \$174,000          | \$166,000          | \$164,000           | \$921,000           |
| Asphalt Repairs                                     | GF             | 12-SCH-001 |                    |                       |                    |                    |                    | \$147,000           | \$147,000           |
| High School Roof Replacement                        | D              | 12-SCH-003 |                    |                       |                    | \$1,307,000        |                    | \$31,000            | \$1,338,000         |
| High School Gym HVAC                                | D              | 12-SCH-004 |                    |                       |                    |                    |                    | \$126,000           | \$126,000           |
| Middle School Roof Repairs                          | D              | 15-SCH-002 |                    |                       | \$342,000          |                    |                    | \$603,000           | \$945,000           |
| <b>TOTAL SCHOOL PROJECTS</b>                        |                |            | <b>\$669,000</b>   | <b>\$166,000</b>      | <b>\$508,000</b>   | <b>\$2,312,000</b> | <b>\$166,000</b>   | <b>\$3,841,000</b>  | <b>\$7,662,000</b>  |
| <b>PUBLIC SAFETY PROJECTS</b>                       |                |            |                    |                       |                    |                    |                    |                     |                     |
| Replacement of Engine 102                           | GF             | 08-PS-301  |                    |                       |                    | \$350,000          |                    |                     | \$350,000           |
| Replacement of Medic 4                              | GF,G, DN       | 11-PS-002  | \$200,000          |                       |                    |                    |                    |                     | \$200,000           |
| <b>TOTAL PUBLIC SAFETY PROJECTS</b>                 |                |            | <b>\$200,000</b>   | <b>\$0</b>            | <b>\$0</b>         | <b>\$350,000</b>   | <b>\$0</b>         | <b>\$0</b>          | <b>\$550,000</b>    |
| <b>TRANSPORTATION &amp; DRAINAGE PROJECTS</b>       |                |            |                    |                       |                    |                    |                    |                     |                     |
| Wythe Creek Road South                              | SF             | 08-T&D-202 | \$400,000          | \$1,645,850           | \$1,458,288        | \$8,915,862        |                    |                     | \$12,420,000        |
| Chesapeake Bay TMDL/Stormwater Imp                  | D,GF           | 12-T&D-001 | \$50,000           | \$100,000             | \$150,000          | \$500,000          | \$1,000,000        | \$16,700,000        | \$18,500,000        |
| Poquoson Shores Tidal Flooding                      | SF             | 12-T&D-002 |                    | \$80,000              |                    |                    |                    |                     | \$80,000            |
| Poquoson Avenue Piping Upgrade                      | SF             | 12-T&D-003 |                    |                       |                    |                    |                    | \$145,000           | \$145,000           |
| City Ditch Erosion Paving                           | SF             | 12-T&D-004 | \$120,000          | \$150,000             | \$100,000          | \$80,000           | \$50,000           |                     | \$500,000           |
| Victory Boulevard                                   | SF             | 12-T&D-006 |                    |                       |                    |                    |                    | \$21,700,000        | \$21,700,000        |
| Oxford Mews Drainage Improvements                   | SF             | 15-T&D-001 |                    |                       |                    |                    |                    | \$130,000           | \$130,000           |
| Little Florida Road South Ditch Piping              | SF             | 16-T&D-001 | \$65,000           |                       |                    |                    |                    |                     | \$65,000            |
| Street Paving                                       | SF             | 12-T&D-007 | \$379,900          | \$402,865             | \$374,700          | \$394,300          | \$403,700          |                     | \$1,955,465         |
| <b>TOTAL TRANSPORTATION &amp; DRAINAGE PROJECTS</b> |                |            | <b>\$1,014,900</b> | <b>\$2,378,715</b>    | <b>\$2,082,988</b> | <b>\$9,890,162</b> | <b>\$1,453,700</b> | <b>\$38,675,000</b> | <b>\$55,495,465</b> |
| <b>PUBLIC WORKS</b>                                 |                |            |                    |                       |                    |                    |                    |                     |                     |
| Public Works Compound                               | D              | 08-PW-407  |                    |                       |                    |                    |                    | \$875,200           | \$875,200           |
| Dump Trucks   | GF             | 12-PW-001  |                    | \$150,000             | \$160,000          | \$180,000          |                    |                     | \$490,000           |
| 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           |
| Mower Replacements                                  | GF             | 12-PW-007  | \$170,000          | \$180,000             |                    |                    |                    |                     | \$350,000           |
| Excavator   | GF             | 15-PW-002  |                    |                       | \$160,000          |                    |                    |                     | \$160,000           |
| Excavator   | GF             | 15-PW-001  |                    |                       |                    | \$390,000          |                    |                     | \$390,000           |
| Dump Truck  | GF             | 17-PW-001  |                    |                       |                    |                    | \$165,000          |                     | \$165,000           |
| Pickup F-350  | GF             | 17-PW-003  |                    |                       |                    | \$74,000           |                    |                     | \$74,000            |
| Backhoe   | GF             | 16-PW-001  |                    |                       |                    |                    |                    | \$130,000           | \$130,000           |
| <b>TOTAL PUBLIC WORKS</b>                           |                |            | <b>\$170,000</b>   | <b>\$330,000</b>      | <b>\$745,000</b>   | <b>\$794,000</b>   | <b>\$165,000</b>   | <b>\$1,005,200</b>  | <b>\$3,209,200</b>  |
| <b>FACILITIES PROJECTS</b>                          |                |            |                    |                       |                    |                    |                    |                     |                     |
| HVAC systems for City Hall                          | GF             | 12-FAC-002 |                    | \$350,000             |                    |                    |                    |                     | \$350,000           |
| HVAC systems for Police Department                  | GF             | 12-FAC-003 |                    | \$73,000              |                    |                    |                    |                     | \$73,000            |
| <b>TOTAL FACILITIES PROJECTS</b>                    |                |            | <b>\$0</b>         | <b>\$423,000</b>      | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>          | <b>\$423,000</b>    |

## City Manager Recommended Capital Improvements Plan

| Project Title            | Funding Source | Project #  | FY 2017    | FY 2018          | FY 2019    | FY 2020    | FY 2021    | Beyond FY 2021 | Total Cost       |
|--------------------------|----------------|------------|------------|------------------|------------|------------|------------|----------------|------------------|
| <b>FINANCE PROJECTS</b>  |                |            |            |                  |            |            |            |                |                  |
| Financial System Upgrade | GF             | 12-FIN-001 |            | \$250,000        |            |            |            |                | \$250,000        |
| <b>TOTAL FINANCE</b>     |                |            | <b>\$0</b> | <b>\$250,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>     | <b>\$250,000</b> |

|                             |    |           |            |            |                  |            |            |                  |                  |
|-----------------------------|----|-----------|------------|------------|------------------|------------|------------|------------------|------------------|
| <b>SOLID WASTE PROJECTS</b> |    |           |            |            |                  |            |            |                  |                  |
| Debris Truck Replacement    | SW | 12-SW-001 |            |            | \$185,000        |            |            |                  | \$185,000        |
| Solid Waste Debris Truck    | SW | 17-SW-002 |            |            |                  |            |            | \$190,000        | \$190,000        |
| <b>TOTAL SOLID WASTE</b>    |    |           | <b>\$0</b> | <b>\$0</b> | <b>\$185,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$190,000</b> | <b>\$375,000</b> |

|   |    |            |            |                  |                  |            |            |                    |                    |
|---|----|------------|------------|------------------|------------------|------------|------------|--------------------|--------------------|
| <b>RECREATION &amp; EVENTS PROJECTS</b>       |    |            |            |                  |                  |            |            |                    |                    |
| Municipal Ball field Lighting Upgrade         | GF | 08-P&R-513 |            | \$245,000        |                  |            |            |                    | \$245,000          |
| Municipal Pool Reconstruction                 | D  | 11-P&R-002 |            |                  |                  |            |            | \$3,000,000        | \$3,000,000        |
| Firth Field Light Replacement                 | GF | 13-P&R-001 |            |                  | \$310,000        |            |            |                    | \$310,000          |
| <b>TOTAL RECREATION &amp; EVENTS PROJECTS</b> |    |            | <b>\$0</b> | <b>\$245,000</b> | <b>\$310,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,000,000</b> | <b>\$3,555,000</b> |

|                                 |   |            |                  |                  |                  |                  |                  |                  |                    |
|---------------------------------|---|------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| <b>UTILITIES PROJECTS</b>       |   |            |                  |                  |                  |                  |                  |                  |                    |
| Sewer Cleaning Truck            | S | 08-SWR-007 | \$94,500         |                  |                  |                  |                  |                  | \$94,500           |
| Replacement Power Supplies      | S | 11-SWR-001 | \$42,000         | \$42,000         | \$42,000         | \$42,000         | \$42,000         |                  | \$210,000          |
| Maintenance Building Addition   | S | 15-SWR-001 | \$68,300         |                  |                  |                  |                  |                  | \$68,300           |
| Pump Station Equipment Upgrades | S | 17-SWR-001 | \$90,000         | \$90,000         | \$90,000         |                  |                  |                  | \$270,000          |
| Sanitary Sewer Consent Repairs  | S | 12-SWR-001 | \$350,000        | \$350,000        | \$350,000        | \$350,000        | \$350,000        | \$350,000        | \$2,100,000        |
| <b>TOTAL UTILITIES PROJECTS</b> |   |            | <b>\$644,800</b> | <b>\$482,000</b> | <b>\$482,000</b> | <b>\$392,000</b> | <b>\$392,000</b> | <b>\$350,000</b> | <b>\$2,742,800</b> |

Total Replacement Projects

**\$2,698,700    \$4,274,715    \$4,312,988    \$13,738,162    \$2,176,700    \$47,061,200    \$74,262,465**

### New Facilities and Projects

|                                   |        |            |           |          |          |          |             |              |              |
|-----------------------------------|--------|------------|-----------|----------|----------|----------|-------------|--------------|--------------|
| Public Safety Building            | GF, D  | 11-PS-003  |           | \$50,000 |          |          | \$3,450,000 |              | \$3,500,000  |
| Blue Way System                   | G      | 08-P&R-503 |           |          |          |          | \$70,000    |              | \$70,000     |
| Messick Point Breakwater          | G, GF  | 17-P&R-001 | \$269,500 |          |          |          |             |              | \$269,500    |
| Western Precinct Park             | D      | 08-P&R-509 |           |          |          |          |             | \$1,000,000  | \$1,000,000  |
| South Lawson Park Upgrades        | GF, DN | 08-P&R-512 | \$5,000   | \$25,000 |          |          |             | \$220,000    | \$250,000    |
| Recreation Center                 | D      | 11-P&R-003 |           |          |          |          |             | \$15,500,000 | \$15,500,000 |
| ROW & Sidewalk Acquisition        | G      | 08-T&D-210 | \$500,000 |          |          |          |             |              | \$500,000    |
| Public Fishing Pier-Messick Point | D      | 17-P&R-001 |           |          |          |          |             | \$600,000    | \$600,000    |
| South Lawson Park Bike Path       | GF     | 12-P&R-001 |           |          |          |          |             | \$195,000    | \$195,000    |
| Messick Point Beach               | D      | 13-P&R-002 | \$125,000 |          |          |          |             |              | \$125,000    |
| Pump Station Generators           | S      | 08-SWR-008 | \$79,000  | \$79,000 | \$79,000 | \$79,000 |             |              | \$316,000    |

Total New Facilities and Projects

**\$978,500    \$154,000    \$79,000    \$79,000    \$3,520,000    \$17,515,000    \$22,325,500**

Total Capital Projects

**\$3,677,200    \$4,428,715    \$4,391,988    \$13,817,162    \$5,696,700    \$64,576,200    \$96,587,965**

**Funding Source Key**

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

## City Manager Recommended Capital Improvements Funding Sources

| Funding Source                                      | FY 2017            | FY 2018            | FY 2019            | FY 2020            | FY 2021            | Total Cost          |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| <b>SCHOOL PROJECTS</b>                              |                    |                    |                    |                    |                    |                     |
| Debt Funding  | \$584,000          | \$0                | \$342,000          | \$1,307,000        | \$0                | \$2,233,000         |
| General Fund  | \$85,000           | \$166,000          | \$166,000          | \$1,005,000        | \$166,000          | \$1,588,000         |
| <b>TOTAL SCHOOL PROJECTS</b>                        | <b>\$669,000</b>   | <b>\$166,000</b>   | <b>\$508,000</b>   | <b>\$2,312,000</b> | <b>\$166,000</b>   | <b>\$3,821,000</b>  |
| <b>PUBLIC SAFETY PROJECTS</b>                       |                    |                    |                    |                    |                    |                     |
| General Fund  | \$50,000           | \$0                | \$0                | \$350,000          | \$0                | \$400,000           |
| Grant Funding                                       | \$100,000          | \$0                | \$0                | \$0                | \$0                | \$100,000           |
| Donations   | \$50,000           | \$0                | \$0                | \$0                | \$0                | \$50,000            |
| <b>TOTAL PUBLIC SAFETY PROJECTS</b>                 | <b>\$200,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$350,000</b>   | <b>\$0</b>         | <b>\$550,000</b>    |
| <b>TRANSPORTATION &amp; DRAINAGE PROJECTS</b>       |                    |                    |                    |                    |                    |                     |
| General Fund  | \$50,000           | \$100,000          | \$150,000          | \$500,000          | \$1,000,000        | \$1,800,000         |
| State Funding                                       | \$964,900          | \$2,278,715        | \$1,932,988        | \$9,390,162        | \$453,700          | \$15,020,465        |
| <b>TOTAL TRANSPORTATION &amp; DRAINAGE PROJECTS</b> | <b>\$1,014,900</b> | <b>\$2,378,715</b> | <b>\$2,082,988</b> | <b>\$9,890,162</b> | <b>\$1,453,700</b> | <b>\$16,820,465</b> |
| <b>PUBLIC WORKS</b>                                 |                    |                    |                    |                    |                    |                     |
| Debt Funding  | \$0                | \$0                | \$0                | \$0                | \$0                | \$0                 |
| General Fund  | \$170,000          | \$330,000          | \$745,000          | \$794,000          | \$165,000          | \$2,204,000         |
| <b>TOTAL PUBLIC WORKS</b>                           | <b>\$170,000</b>   | <b>\$330,000</b>   | <b>\$745,000</b>   | <b>\$794,000</b>   | <b>\$165,000</b>   | <b>\$2,204,000</b>  |
| <b>FACILITIES PROJECTS</b>                          |                    |                    |                    |                    |                    |                     |
| General Fund  | \$0                | \$423,000          | \$0                | \$0                | \$0                | \$423,000           |
| <b>TOTAL FACILITIES</b>                             | <b>\$0</b>         | <b>\$423,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>         | <b>\$423,000</b>    |
| <b>FINANCE PROJECTS</b>                             |                    |                    |                    |                    |                    |                     |
| General Fund  | \$0                | \$250,000          | \$0                | \$0                | \$0                | \$250,000           |
| <b>FINANCE PROJECTS</b>                             | <b>\$0</b>         | <b>\$250,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>         | <b>\$250,000</b>    |
| <b>SOLID WASTE</b>                                  |                    |                    |                    |                    |                    |                     |
| Solid Waste Revenue                                 | \$0                | \$0                | \$185,000          | \$0                | \$0                | \$185,000           |
| <b>TOTAL SOLID WASTE</b>                            | <b>\$0</b>         | <b>\$0</b>         | <b>\$185,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$185,000</b>    |
| <b>RECREATION &amp; EVENTS PROJECTS</b>             |                    |                    |                    |                    |                    |                     |
| Debt Funding  | \$0                | \$0                | \$0                | \$0                | \$0                | \$0                 |
| General Fund  | \$0                | \$245,000          | \$310,000          | \$0                | \$0                | \$555,000           |
| <b>TOTAL RECREATION &amp; EVENTS PROJECTS</b>       | <b>\$0</b>         | <b>\$245,000</b>   | <b>\$310,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$555,000</b>    |
| <b>UTILITIES PROJECTS</b>                           |                    |                    |                    |                    |                    |                     |
| Sewer Fund Revenue                                  | \$644,800          | \$482,000          | \$482,000          | \$392,000          | \$392,000          | \$2,392,800         |
| <b>TOTAL UTILITIES PROJECTS</b>                     | <b>\$644,800</b>   | <b>\$482,000</b>   | <b>\$482,000</b>   | <b>\$392,000</b>   | <b>\$392,000</b>   | <b>\$2,392,800</b>  |
| <b>NEW FACILITIES &amp; PROJECTS</b>                |                    |                    |                    |                    |                    |                     |
| Debt Funding  | \$125,000          | \$0                | \$0                | \$0                | \$3,450,000        | \$3,575,000         |
| General Fund  | \$67,375           | \$75,000           | \$0                | \$0                | \$0                | \$142,375           |
| Grant Funding                                       | \$702,125          | \$0                | \$0                | \$0                | \$70,000           | \$772,125           |
| Donations   | \$5,000            | \$0                | \$0                | \$0                | \$0                | \$5,000             |
| Sewer Fund Revenue                                  | \$79,000           | \$79,000           | \$79,000           | \$79,000           | \$0                | \$316,000           |
| <b>TOTAL NEW FACILITIES &amp; PROJECTS</b>          | <b>\$978,500</b>   | <b>\$154,000</b>   | <b>\$79,000</b>    | <b>\$79,000</b>    | <b>\$3,520,000</b> | <b>\$4,810,500</b>  |

**ALL PROJECTS**

|                           |                    |                    |                    |                     |                    |                     |
|---------------------------|--------------------|--------------------|--------------------|---------------------|--------------------|---------------------|
| Debt Funding              | \$709,000          | \$0                | \$342,000          | \$1,307,000         | \$3,450,000        | <b>\$5,808,000</b>  |
| General Fund              | \$422,375          | \$1,589,000        | \$1,371,000        | \$2,649,000         | \$1,331,000        | <b>\$7,362,375</b>  |
| Grant Funds               | \$802,125          | \$0                | \$0                | \$0                 | \$70,000           | <b>\$872,125</b>    |
| Donations                 | \$55,000           | \$0                | \$0                | \$0                 | \$0                | <b>\$55,000</b>     |
| Solid Waste Fund Revenue  | \$0                | \$0                | \$185,000          | \$0                 | \$0                | <b>\$185,000</b>    |
| State Funding             | \$964,900          | \$2,278,715        | \$1,932,988        | \$9,390,162         | \$453,700          | <b>\$15,020,465</b> |
| Sewer Fund Revenue        | \$723,800          | \$561,000          | \$561,000          | \$471,000           | \$392,000          | <b>\$2,708,800</b>  |
| <b>TOTAL ALL PROJECTS</b> | <b>\$3,677,200</b> | <b>\$4,428,715</b> | <b>\$4,391,988</b> | <b>\$13,817,162</b> | <b>\$5,696,700</b> | <b>\$32,011,765</b> |

**Operational Impact of Funding Source**

|                       |                  |                    |                    |                    |                    |                    |
|-----------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| General Fund Transfer | \$422,375        | \$1,589,000        | \$1,371,000        | \$2,649,000        | \$1,331,000        | <b>\$7,362,375</b> |
| Debt Service          | \$35,180         | \$70,350           | \$108,195          | \$252,650          | \$372,650          | <b>\$839,025</b>   |
| <b>Total</b>          | <b>\$457,555</b> | <b>\$1,659,350</b> | <b>\$1,479,195</b> | <b>\$2,901,650</b> | <b>\$1,703,650</b> | <b>\$8,201,400</b> |

**Tax Rate Equivalent**      0.03      0.11      0.10      0.19      0.11

## Departmental Request Summary Capital Improvements and Capital Outlay

| Funding Source                                      | FY 2017            | FY 2018            | FY 2019            | FY 2020             | FY 2021            | Beyond<br>FY 2021   | Total Cost          |
|---|--------------------|--------------------|--------------------|---------------------|--------------------|---------------------|---------------------|
| <b>SCHOOL PROJECTS</b>                              |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$166,000          | \$468,000          | \$790,000          | \$2,312,000         | \$166,000          | \$3,760,000         | \$7,662,000         |
| Capital Outlay                                      | \$0                | \$0                | \$0                | \$0                 | \$0                | \$0                 | \$0                 |
| <b>TOTAL SCHOOL PROJECTS</b>                        | <b>\$166,000</b>   | <b>\$468,000</b>   | <b>\$790,000</b>   | <b>\$2,312,000</b>  | <b>\$166,000</b>   | <b>\$3,760,000</b>  | <b>\$7,662,000</b>  |
| <b>PUBLIC SAFETY PROJECTS</b>                       |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$200,000          | \$0                | \$0                | \$350,000           | \$0                | \$0                 | \$550,000           |
| Capital Outlay                                      | \$38,000           | \$38,000           | \$38,000           | \$38,000            | \$38,000           | \$0                 | \$190,000           |
| <b>TOTAL PUBLIC SAFETY PROJECTS</b>                 | <b>\$238,000</b>   | <b>\$38,000</b>    | <b>\$38,000</b>    | <b>\$388,000</b>    | <b>\$38,000</b>    | <b>\$0</b>          | <b>\$740,000</b>    |
| <b>TRANSPORTATION &amp; DRAINAGE PROJECTS</b>       |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$1,094,900        | \$2,378,715        | \$2,082,988        | \$9,860,162         | \$1,453,700        | \$38,625,000        | \$55,495,465        |
| <b>TOTAL TRANSPORTATION &amp; DRAINAGE PROJECTS</b> | <b>\$1,094,900</b> | <b>\$2,378,715</b> | <b>\$2,082,988</b> | <b>\$9,860,162</b>  | <b>\$1,453,700</b> | <b>\$38,625,000</b> | <b>\$55,495,465</b> |
| <b>PUBLIC WORKS</b>                                 |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$1,044,000        | \$340,000          | \$505,000          | \$150,000           | \$165,000          | \$1,005,200         | \$3,209,200         |
| Capital Outlay                                      | \$45,000           | \$116,000          | \$44,000           | \$38,000            | \$34,000           | \$0                 | \$277,000           |
| <b>TOTAL PUBLIC WORKS</b>                           | <b>\$1,089,000</b> | <b>\$456,000</b>   | <b>\$549,000</b>   | <b>\$188,000</b>    | <b>\$199,000</b>   | <b>\$1,005,200</b>  | <b>\$3,486,200</b>  |
| <b>FACILITIES PROJECTS</b>                          |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$0                | \$423,000          | \$0                | \$0                 | \$0                | \$0                 | \$423,000           |
| Capital Outlay                                      | \$5,000            | \$0                | \$0                | \$0                 | \$0                | \$43,500            | \$48,500            |
| <b>TOTAL FACILITIES</b>                             | <b>\$5,000</b>     | <b>\$423,000</b>   | <b>\$0</b>         | <b>\$0</b>          | <b>\$0</b>         | <b>\$43,500</b>     | <b>\$471,500</b>    |
| <b>FINANCE PROJECTS</b>                             |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$0                | \$250,000          | \$0                | \$0                 | \$0                | \$0                 | \$250,000           |
| <b>FINANCE PROJECTS</b>                             | <b>\$0</b>         | <b>\$250,000</b>   | <b>\$0</b>         | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$250,000</b>    |
| <b>SOLID WASTE</b>                                  |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$0                | \$0                | \$185,000          | \$0                 | \$0                | \$190,000           | \$375,000           |
| Capital Outlay                                      | \$25,000           | \$0                | \$0                | \$0                 | \$0                | \$0                 | \$25,000            |
| <b>TOTAL SOLID WASTE</b>                            | <b>\$25,000</b>    | <b>\$0</b>         | <b>\$185,000</b>   | <b>\$0</b>          | <b>\$0</b>         | <b>\$190,000</b>    | <b>\$400,000</b>    |
| <b>RECREATION &amp; EVENTS PROJECTS</b>             |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$0                | \$245,000          | \$310,000          | \$0                 | \$0                | \$3,000,000         | \$3,555,000         |
| <b>TOTAL RECREATION &amp; EVENTS PROJECTS</b>       | <b>\$0</b>         | <b>\$245,000</b>   | <b>\$310,000</b>   | <b>\$0</b>          | <b>\$0</b>         | <b>\$3,000,000</b>  | <b>\$3,555,000</b>  |
| <b>UTILITIES PROJECTS</b>                           |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$644,800          | \$482,000          | \$482,000          | \$392,000           | \$392,000          | \$350,000           | \$2,742,800         |
| Capital Outlay                                      | \$0                | \$0                | \$0                | \$0                 | \$0                | \$0                 | \$0                 |
| <b>TOTAL UTILITIES PROJECTS</b>                     | <b>\$644,800</b>   | <b>\$482,000</b>   | <b>\$482,000</b>   | <b>\$392,000</b>    | <b>\$392,000</b>   | <b>\$350,000</b>    | <b>\$2,742,800</b>  |
| <b>FLEET PROJECTS</b>                               |                    |                    |                    |                     |                    |                     |                     |
| Capital Outlay                                      | \$19,500           | \$22,850           | \$0                | \$0                 | \$0                | \$0                 | \$42,350            |
| <b>TOTAL FLEET PROJECTS</b>                         | <b>\$19,500</b>    | <b>\$22,850</b>    | <b>\$0</b>         | <b>\$0</b>          | <b>\$0</b>         | <b>\$0</b>          | <b>\$42,350</b>     |
| <b>NEW FACILITIES AND PROJECTS</b>                  |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$978,500          | \$104,000          | \$79,000           | \$79,000            | \$70,000           | \$21,015,000        | \$22,325,500        |
| Capital Outlay                                      | \$0                | \$0                | \$0                | \$0                 | \$0                | \$0                 | \$0                 |
| <b>TOTAL NEW FACILITIES AND PROJECTS</b>            | <b>\$978,500</b>   | <b>\$104,000</b>   | <b>\$79,000</b>    | <b>\$79,000</b>     | <b>\$70,000</b>    | <b>\$21,015,000</b> | <b>\$22,325,500</b> |
| <b>TOTAL</b>  |                    |                    |                    |                     |                    |                     |                     |
| Capital Improvements                                | \$4,128,200        | \$4,690,715        | \$4,433,988        | \$13,143,162        | \$2,246,700        | \$67,945,200        | \$96,587,965        |
| Capital Outlay                                      | \$132,500          | \$176,850          | \$82,000           | \$76,000            | \$72,000           | \$43,500            | \$582,850           |
| <b>TOTAL ALL DEPARTMENTS</b>                        | <b>\$4,260,700</b> | <b>\$4,867,565</b> | <b>\$4,515,988</b> | <b>\$13,219,162</b> | <b>\$2,318,700</b> | <b>\$67,988,700</b> | <b>\$97,170,815</b> |

## Departmental Request Capital Improvements Plan

| Project Title                                       | Funding Source | Project #  | FY 2017            | FY 2018               | FY 2019            | FY 2020            | FY 2021            | Beyond FY 2021      | Total Cost          |
|---|----------------|------------|--------------------|-----------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| <b>Replacement Projects</b>                         |                |            |                    |                       |                    |                    |                    |                     |                     |
| <b>SCHOOL PROJECTS</b>                              |                |            |                    |                       |                    |                    |                    |                     |                     |
| High School Forum Renovation                        | D              | 08-SCH-104 |                    |                       |                    |                    |                    | \$2,500,000         | \$2,500,000         |
| High School Track                                   | D              | 08-SCH-106 |                    | \$ 302,000            |                    |                    |                    |                     | \$302,000           |
| Primary School HVAC Replacement                     | D              | 10-SCH-107 |                    |                       | \$206,000          |                    |                    |                     | \$206,000           |
| Middle School Renovation                            | D              | 10-SCH-110 |                    | Plan to be Determined |                    |                    |                    |                     | \$0                 |
| Primary School Roof Replacement                     | GF             | 11-SCH-002 |                    |                       |                    | \$831,000          |                    | \$ 203,000          | \$1,034,000         |
| High School Locker Room Renovation                  | GF             | 11-SCH-005 |                    |                       |                    |                    |                    | \$67,000            | \$67,000            |
| High School HVAC                                    | D              | 11-SCH-006 |                    |                       | \$76,000           |                    |                    |                     | \$76,000            |
| Bus Replacement                                     | GF             | 11-SCH-009 | \$166,000          | \$166,000             | \$166,000          | \$174,000          | \$166,000          | \$83,000            | \$921,000           |
| Asphalt Repairs                                     | GF             | 12-SCH-001 |                    |                       |                    |                    |                    | \$147,000           | \$147,000           |
| High School Roof Replacement                        | D              | 12-SCH-003 |                    |                       |                    | \$1,307,000        |                    | \$31,000            | \$1,338,000         |
| High School Gym HVAC                                | D              | 12-SCH-004 |                    |                       |                    |                    |                    | \$126,000           | \$126,000           |
| Middle School Roof Repairs                          | D              | 15-SCH-002 |                    |                       | \$342,000          |                    |                    | \$603,000           | \$945,000           |
| <b>TOTAL SCHOOL PROJECTS</b>                        |                |            | <b>\$166,000</b>   | <b>\$468,000</b>      | <b>\$790,000</b>   | <b>\$2,312,000</b> | <b>\$166,000</b>   | <b>\$3,760,000</b>  | <b>\$7,662,000</b>  |
| <b>PUBLIC SAFETY PROJECTS</b>                       |                |            |                    |                       |                    |                    |                    |                     |                     |
| Replacement of Engine 102                           | GF             | 08-PS-301  |                    |                       |                    | \$350,000          |                    |                     | \$350,000           |
| Replacement of Medic 4                              | GF,G,DN        | 11-PS-002  | \$200,000          |                       |                    |                    |                    |                     | \$200,000           |
| <b>TOTAL PUBLIC SAFETY PROJECTS</b>                 |                |            | <b>\$200,000</b>   | <b>\$0</b>            | <b>\$0</b>         | <b>\$350,000</b>   | <b>\$0</b>         | <b>\$0</b>          | <b>\$550,000</b>    |
| <b>TRANSPORTATION &amp; DRAINAGE PROJECTS</b>       |                |            |                    |                       |                    |                    |                    |                     |                     |
| Wythe Creek Road South                              | SF             | 08-T&D-202 | \$400,000          | \$1,645,850           | \$1,458,288        | \$8,915,862        |                    |                     | \$12,420,000        |
| Chesapeake Bay TMDL/Stormwater Imp                  | D,GF           | 12-T&D-001 | \$100,000          | \$100,000             | \$150,000          | \$500,000          | \$1,000,000        | \$16,650,000        | \$18,500,000        |
| Poquoson Shores Tidal Flooding                      | SF             | 12-T&D-002 |                    | \$80,000              |                    |                    |                    |                     | \$80,000            |
| Poquoson Avenue Piping Upgrade                      | SF             | 12-T&D-003 |                    |                       |                    |                    |                    | \$145,000           | \$145,000           |
| City Ditch Erosion Paving                           | SF             | 12-T&D-004 | \$150,000          | \$150,000             | \$100,000          | \$50,000           | \$50,000           |                     | \$500,000           |
| Victory Boulevard                                   | SF             | 12-T&D-006 |                    |                       |                    |                    |                    | \$21,700,000        | \$21,700,000        |
| Oxford Mews Drainage Improvements                   | SF             | 15-T&D-001 |                    |                       |                    |                    |                    | \$130,000           | \$130,000           |
| Little Florida Road South Ditch Piping              | SF             | 16-T&D-001 | \$65,000           |                       |                    |                    |                    |                     | \$65,000            |
| Street Paving                                       | SF             | 12-T&D-007 | \$379,900          | \$402,865             | \$374,700          | \$394,300          | \$403,700          |                     | \$1,955,465         |
| <b>TOTAL TRANSPORTATION &amp; DRAINAGE PROJECTS</b> |                |            | <b>\$1,094,900</b> | <b>\$2,378,715</b>    | <b>\$2,082,988</b> | <b>\$9,860,162</b> | <b>\$1,453,700</b> | <b>\$38,625,000</b> | <b>\$55,495,465</b> |
| <b>PUBLIC WORKS</b>                                 |                |            |                    |                       |                    |                    |                    |                     |                     |
| Public Works Compound                               | D              | 08-PW-407  |                    |                       |                    |                    |                    | \$875,200           | \$875,200           |
| Dump Trucks   | GF             | 12-PW-001  | \$150,000          | \$160,000             | \$180,000          |                    |                    |                     | \$490,000           |
| 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           |
| Mower Replacements                                  | GF             | 12-PW-007  | \$170,000          | \$180,000             |                    |                    |                    |                     | \$350,000           |
| Excavator   | GF             | 15-PW-002  |                    |                       | \$160,000          |                    |                    |                     | \$160,000           |
| Excavator   | GF             | 15-PW-001  | \$390,000          |                       |                    |                    |                    |                     | \$390,000           |
| Dump Truck  | GF             | 17-PW-001  |                    |                       |                    |                    | \$165,000          |                     | \$165,000           |
| Pickup F-350  | GF             | 17-PW-003  | \$74,000           |                       |                    |                    |                    |                     | \$74,000            |
| Backhoe   | GF             | 16-PW-001  |                    |                       |                    |                    |                    | \$130,000           | \$130,000           |
| <b>TOTAL PUBLIC WORKS</b>                           |                |            | <b>\$1,044,000</b> | <b>\$340,000</b>      | <b>\$505,000</b>   | <b>\$150,000</b>   | <b>\$165,000</b>   | <b>\$1,005,200</b>  | <b>\$3,209,200</b>  |
| <b>FACILITIES PROJECTS</b>                          |                |            |                    |                       |                    |                    |                    |                     |                     |
| HVAC systems for City Hall                          | GF             | 12-FAC-002 |                    | \$350,000             |                    |                    |                    |                     | \$350,000           |
| HVAC systems for Police Department                  | GF             | 12-FAC-003 |                    | \$73,000              |                    |                    |                    |                     | \$73,000            |
| <b>TOTAL FACILITIES PROJECTS</b>                    |                |            | <b>\$0</b>         | <b>\$423,000</b>      | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>          | <b>\$423,000</b>    |

## Departmental Request Capital Improvements Plan

| Project Title            | Funding Source | Project #  | FY 2017    | FY 2018          | FY 2019    | FY 2020    | FY 2021    | Beyond FY 2021 | Total Cost       |
|--------------------------|----------------|------------|------------|------------------|------------|------------|------------|----------------|------------------|
| <b>FINANCE PROJECTS</b>  |                |            |            |                  |            |            |            |                |                  |
| Financial System Upgrade | GF             | 12-FIN-001 |            | \$250,000        |            |            |            |                | \$250,000        |
| <b>TOTAL FINANCE</b>     |                |            | <b>\$0</b> | <b>\$250,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b>     | <b>\$250,000</b> |

|                             |    |           |            |            |                  |            |            |                  |                  |
|-----------------------------|----|-----------|------------|------------|------------------|------------|------------|------------------|------------------|
| <b>SOLID WASTE PROJECTS</b> |    |           |            |            |                  |            |            |                  |                  |
| Debris Truck Replacement    | SW | 12-SW-001 |            |            | \$185,000        |            |            |                  | \$185,000        |
| Solid Waste Debris Truck    | SW | 17-SW-002 |            |            |                  |            |            | \$190,000        | \$190,000        |
| <b>TOTAL SOLID WASTE</b>    |    |           | <b>\$0</b> | <b>\$0</b> | <b>\$185,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$190,000</b> | <b>\$375,000</b> |

|   |    |            |            |                  |                  |            |            |                    |                    |
|---|----|------------|------------|------------------|------------------|------------|------------|--------------------|--------------------|
| <b>RECREATION &amp; EVENTS PROJECTS</b>       |    |            |            |                  |                  |            |            |                    |                    |
| Municipal Ball field Lighting Upgrade         | GF | 08-P&R-513 |            | \$245,000        |                  |            |            |                    | \$245,000          |
| Municipal Pool Reconstruction                 | D  | 11-P&R-002 |            |                  |                  |            |            | \$3,000,000        | \$3,000,000        |
| Firth Field Light Replacement                 | GF | 13-P&R-001 |            |                  | \$310,000        |            |            |                    | \$310,000          |
| <b>TOTAL RECREATION &amp; EVENTS PROJECTS</b> |    |            | <b>\$0</b> | <b>\$245,000</b> | <b>\$310,000</b> | <b>\$0</b> | <b>\$0</b> | <b>\$3,000,000</b> | <b>\$3,555,000</b> |

|                                 |   |            |                  |                  |                  |                  |                  |                  |                    |
|---------------------------------|---|------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| <b>UTILITIES PROJECTS</b>       |   |            |                  |                  |                  |                  |                  |                  |                    |
| Sewer Cleaning Truck            | S | 08-SWR-007 | \$94,500         |                  |                  |                  |                  |                  | \$94,500           |
| Replacement Power Supplies      | S | 11-SWR-001 | \$42,000         | \$42,000         | \$42,000         | \$42,000         | \$42,000         |                  | \$210,000          |
| Maintenance Building Addition   | S | 15-SWR-001 | \$68,300         |                  |                  |                  |                  |                  | \$68,300           |
| Pump Station Equipment Upgrades | S | 17-SWR-001 | \$90,000         | \$90,000         | \$90,000         |                  |                  |                  | \$270,000          |
| Sanitary Sewer Consent Repairs  | S | 12-SWR-001 | \$350,000        | \$350,000        | \$350,000        | \$350,000        | \$350,000        | \$350,000        | \$2,100,000        |
| <b>TOTAL UTILITIES PROJECTS</b> |   |            | <b>\$644,800</b> | <b>\$482,000</b> | <b>\$482,000</b> | <b>\$392,000</b> | <b>\$392,000</b> | <b>\$350,000</b> | <b>\$2,742,800</b> |

Total Replacement Projects

**\$3,149,700    \$4,586,715    \$4,354,988    \$13,064,162    \$2,176,700    \$46,930,200    \$74,262,465**

### New Facilities and Projects

|                                   |        |            |           |          |          |          |          |              |              |
|-----------------------------------|--------|------------|-----------|----------|----------|----------|----------|--------------|--------------|
| Public Safety Building            | D      | 11-PS-003  |           |          |          |          |          | \$3,500,000  | \$3,500,000  |
| Blue Way System                   | G      | 08-P&R-503 |           |          |          |          | \$70,000 |              | \$70,000     |
| Messick Point Breakwater          | G, GF  | 17-P&R-001 | \$269,500 |          |          |          |          |              | \$269,500    |
| Western Precinct Park             | D      | 08-P&R-509 |           |          |          |          |          | \$1,000,000  | \$1,000,000  |
| South Lawson Park Upgrades        | GF, DN | 08-P&R-512 | \$5,000   | \$25,000 |          |          |          | \$220,000    | \$250,000    |
| Recreation Center                 | D      | 11-P&R-003 |           |          |          |          |          | \$15,500,000 | \$15,500,000 |
| ROW & Sidewalk Acquisition        | G      | 08-T&D-210 | \$500,000 |          |          |          |          |              | \$500,000    |
| Public Fishing Pier-Messick Point | D      | 17-P&R-001 |           |          |          |          |          | \$600,000    | \$600,000    |
| South Lawson Park Bike Path       | GF     | 12-P&R-001 |           |          |          |          |          | \$195,000    | \$195,000    |
| Messick Point Beach               | D      | 13-P&R-002 | \$125,000 |          |          |          |          |              | \$125,000    |
| Pump Station Generators           | S      | 08-SWR-008 | \$79,000  | \$79,000 | \$79,000 | \$79,000 |          |              | \$316,000    |

Total New Facilities and Projects

**\$978,500    \$104,000    \$79,000    \$79,000    \$70,000    \$21,015,000    \$22,325,500**

Total Capital Projects

**\$4,128,200    \$4,690,715    \$4,433,988    \$13,143,162    \$2,246,700    \$67,945,200    \$96,587,965**

**Funding Source Key**

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

## Departmental Request Capital Improvements Funding Sources

| Funding Source                                      | FY 2017            | FY 2018            | FY 2019            | FY 2020            | FY 2021            | Total Cost          |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| <b>SCHOOL PROJECTS</b>                              |                    |                    |                    |                    |                    |                     |
| Debt Funding  | \$0                | \$302,000          | \$624,000          | \$1,307,000        | \$0                | \$2,233,000         |
| General Fund  | \$166,000          | \$166,000          | \$166,000          | \$1,005,000        | \$166,000          | \$1,669,000         |
| <b>TOTAL SCHOOL PROJECTS</b>                        | <b>\$166,000</b>   | <b>\$468,000</b>   | <b>\$790,000</b>   | <b>\$2,312,000</b> | <b>\$166,000</b>   | <b>\$3,902,000</b>  |
| <b>PUBLIC SAFETY PROJECTS</b>                       |                    |                    |                    |                    |                    |                     |
| General Fund  | \$50,000           | \$0                | \$0                | \$350,000          | \$0                | \$400,000           |
| Grant Funding                                       | \$100,000          | \$0                | \$0                | \$0                | \$0                | \$100,000           |
| Donations   | \$50,000           | \$0                | \$0                | \$0                | \$0                | \$50,000            |
| <b>TOTAL PUBLIC SAFETY PROJECTS</b>                 | <b>\$200,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$350,000</b>   | <b>\$0</b>         | <b>\$550,000</b>    |
| <b>TRANSPORTATION &amp; DRAINAGE PROJECTS</b>       |                    |                    |                    |                    |                    |                     |
| General Fund  | \$100,000          | \$100,000          | \$150,000          | \$500,000          | \$1,000,000        | \$1,850,000         |
| State Funding                                       | \$994,900          | \$2,278,715        | \$1,932,988        | \$9,360,162        | \$453,700          | \$15,020,465        |
| <b>TOTAL TRANSPORTATION &amp; DRAINAGE PROJECTS</b> | <b>\$1,094,900</b> | <b>\$2,378,715</b> | <b>\$2,082,988</b> | <b>\$9,860,162</b> | <b>\$1,453,700</b> | <b>\$16,870,465</b> |
| <b>PUBLIC WORKS</b>                                 |                    |                    |                    |                    |                    |                     |
| Debt Funding  | \$0                | \$0                | \$0                | \$0                | \$0                | \$0                 |
| General Fund  | \$1,044,000        | \$340,000          | \$505,000          | \$150,000          | \$165,000          | \$2,204,000         |
| <b>TOTAL PUBLIC WORKS</b>                           | <b>\$1,044,000</b> | <b>\$340,000</b>   | <b>\$505,000</b>   | <b>\$150,000</b>   | <b>\$165,000</b>   | <b>\$2,204,000</b>  |
| <b>FACILITIES PROJECTS</b>                          |                    |                    |                    |                    |                    |                     |
| General Fund  | \$0                | \$423,000          | \$0                | \$0                | \$0                | \$423,000           |
| <b>TOTAL FACILITIES</b>                             | <b>\$0</b>         | <b>\$423,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>         | <b>\$423,000</b>    |
| <b>FINANCE PROJECTS</b>                             |                    |                    |                    |                    |                    |                     |
| General Fund  | \$0                | \$250,000          | \$0                | \$0                | \$0                | \$250,000           |
| <b>FINANCE PROJECTS</b>                             | <b>\$0</b>         | <b>\$250,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$0</b>         | <b>\$250,000</b>    |
| <b>SOLID WASTE</b>                                  |                    |                    |                    |                    |                    |                     |
| Solid Waste Revenue                                 | \$0                | \$0                | \$185,000          | \$0                | \$0                | \$185,000           |
| <b>TOTAL SOLID WASTE</b>                            | <b>\$0</b>         | <b>\$0</b>         | <b>\$185,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$185,000</b>    |
| <b>RECREATION &amp; EVENTS PROJECTS</b>             |                    |                    |                    |                    |                    |                     |
| Debt Funding  | \$0                | \$0                | \$0                | \$0                | \$0                | \$0                 |
| General Fund  | \$0                | \$245,000          | \$310,000          | \$0                | \$0                | \$555,000           |
| <b>TOTAL RECREATION &amp; EVENTS PROJECTS</b>       | <b>\$0</b>         | <b>\$245,000</b>   | <b>\$310,000</b>   | <b>\$0</b>         | <b>\$0</b>         | <b>\$555,000</b>    |
| <b>UTILITIES PROJECTS</b>                           |                    |                    |                    |                    |                    |                     |
| Sewer Fund Revenue                                  | \$644,800          | \$482,000          | \$482,000          | \$392,000          | \$392,000          | \$2,392,800         |
| <b>TOTAL UTILITIES PROJECTS</b>                     | <b>\$644,800</b>   | <b>\$482,000</b>   | <b>\$482,000</b>   | <b>\$392,000</b>   | <b>\$392,000</b>   | <b>\$2,392,800</b>  |
| <b>NEW FACILITIES &amp; PROJECTS</b>                |                    |                    |                    |                    |                    |                     |
| Debt Funding  | \$125,000          | \$0                | \$0                | \$0                | \$0                | \$125,000           |
| General Fund  | \$67,375           | \$25,000           | \$0                | \$0                | \$0                | \$92,375            |
| Grant Funding                                       | \$702,125          | \$0                | \$0                | \$0                | \$70,000           | \$772,125           |
| Donations   | \$5,000            | \$0                | \$0                | \$0                | \$0                | \$5,000             |
| Sewer Fund Revenue                                  | \$79,000           | \$79,000           | \$79,000           | \$79,000           | \$0                | \$316,000           |
| <b>TOTAL NEW FACILITIES &amp; PROJECTS</b>          | <b>\$978,500</b>   | <b>\$104,000</b>   | <b>\$79,000</b>    | <b>\$79,000</b>    | <b>\$70,000</b>    | <b>\$1,310,500</b>  |

**ALL PROJECTS**

|                           |                    |                    |                    |                     |                    |                     |
|---------------------------|--------------------|--------------------|--------------------|---------------------|--------------------|---------------------|
| Debt Funding              | \$125,000          | \$302,000          | \$624,000          | \$1,307,000         | \$0                | <b>\$2,358,000</b>  |
| General Fund              | \$1,427,375        | \$1,549,000        | \$1,131,000        | \$2,005,000         | \$1,331,000        | <b>\$7,443,375</b>  |
| Grant Funds               | \$802,125          | \$0                | \$0                | \$0                 | \$70,000           | <b>\$872,125</b>    |
| Donations                 | \$55,000           | \$0                | \$0                | \$0                 | \$0                | <b>\$55,000</b>     |
| Solid Waste Fund Revenue  | \$0                | \$0                | \$185,000          | \$0                 | \$0                | <b>\$185,000</b>    |
| State Funding             | \$994,900          | \$2,278,715        | \$1,932,988        | \$9,360,162         | \$453,700          | <b>\$15,020,465</b> |
| Sewer Fund Revenue        | \$723,800          | \$561,000          | \$561,000          | \$471,000           | \$392,000          | <b>\$2,708,800</b>  |
| <b>TOTAL ALL PROJECTS</b> | <b>\$4,128,200</b> | <b>\$4,690,715</b> | <b>\$4,433,988</b> | <b>\$13,143,162</b> | <b>\$2,246,700</b> | <b>\$28,642,765</b> |

**Operational Impact of Funding Source**

|                       |                    |                    |                    |                    |                    |                    |
|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| General Fund Transfer | \$1,427,375        | \$1,549,000        | \$1,131,000        | \$2,005,000        | \$1,331,000        | <b>\$7,443,375</b> |
| Debt Service          | \$5,000            | \$22,030           | \$90,095           | \$252,650          | \$252,650          | <b>\$622,425</b>   |
| <b>Total</b>          | <b>\$1,432,375</b> | <b>\$1,571,030</b> | <b>\$1,221,095</b> | <b>\$2,257,650</b> | <b>\$1,583,650</b> | <b>\$8,065,800</b> |

**Tax Rate Equivalent**      0.10      0.10      0.08      0.15      0.11

|                                |  |
|--------------------------------|--|
| <b>Department:<br/>Schools</b> | <b>Project Number and Title:<br/>High School Forum Renovation 08-SCH-104</b> |
|--------------------------------|--|

**Contact:** Jennifer Parish

**Project Type:** Improvement

**Useful Life:** 25 years

**New Positions:** N/A

**Total Project Cost:** \$2,500,000

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>              | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction Maintenance |             |             |             |             |             | \$2,500,000           | \$2,500,000          |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Debt Issue  |             |             |             |             |             | \$2,500,000           | \$2,500,000          |

**Operational Impact/Other:**

The debt service on this project at 5% interest over 20 years equates to annual payments of \$199,000 beginning after FY 2021.

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                                |   |
|--------------------------------|---|
| <b>Department:<br/>Schools</b> | <b>Project Number and Title:<br/>High School Track 08-SCH-106</b> |
|--------------------------------|---|

**Contact: Jennifer Parish**

**Project Type: Improvement**

**Useful Life: 25 years**

**New Positions: N/A**

**Total Project Cost: \$302,000**

**Description:**

The track behind Poquoson High School will be replaced. The new track will be a rubberized surface on top of a base of stone and asphalt. The track will meet all VHSL standards necessary to sponsor high school track and field events.

**Justification:**

The current high school track is in poor condition. There are a number of cracks in the asphalt surface that pose a safety risk to students and patrons using the facility. In addition, the asphalt surface lacks resilience and can cause injury to runners over time. The new track will be open for the community to use for recreational purposes.

**Expenditures:**

|       | <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|-------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Other |             | \$302,000   |             |             |             |             |                        | \$302,000             |

**Funding Sources:**

|      | <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Debt |             | \$302,000   |             |             |             |             |                        | \$302,000             |

**Operational Impact/Other:**

The debt service on this project at 5% interest over 20 years equates to annual payments of \$24,100.

**Operating Budget Impact:**

| <u>Type</u>         | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|---------------------|-------------|-------------|-------------|-------------|-------------|
| <u>Debt Service</u> | \$12,030    | \$24,100    | \$24,100    | \$24,100    | \$24,100    |

|                               |  |
|-------------------------------|--|
| <b>Department:</b><br>Schools | <b>Project Number and Title:</b><br>Primary School HVAC Replacement 10-SCH-107 |
|-------------------------------|--|

Contact: Jennifer Parish

Project Type: Improvement

Useful Life:

New Positions: N/A

Total Project Cost: \$206,000

**Description:**

Renovation or reengineering of the HVAC systems serving the cafeteria and gym are needed. Internal humidity issues exist during periods of high outside humidity. The rooftop Makeup-Air-Unit (MAU) designed to control humidity did not include the cafeteria and gym at the time of construction. Renovation includes upgrading the control hardware and software which is over 20 years old and no longer supported.

**Justification:**

The humidity issue in the cafeteria and gym are such that comfort levels cannot be obtained without reaching the dew point creating significant slip hazards as well as other potential problems.

**Expenditures:**

| Type      | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-----------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Equipment | \$206,000   |             |             |             |             |                       | \$206,000            |

**Funding Sources:**

| Type | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Debt | \$206,000   |             |             |             |             |                       | \$206,000            |

**Operational Impact/Other:**

The debt service on this project at 5% interest over 10 years equates to annual payments of \$26,500.

**Operating Budget Impact:**

| Type                | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|---------------------|-------------|-------------|-------------|-------------|-------------|
| <u>Debt Service</u> | \$13,250    | \$26,500    | \$26,500    | \$26,500    | \$26,500    |

|                               |   |
|-------------------------------|---|
| <b>Department:</b><br>Schools | <b>Project Number and Title:</b><br>Middle School Renovation 10-SCH-110 |
|-------------------------------|---|

Contact: Jennifer Parish

Project Type: Improvement

Useful Life:

New Positions: N/A

Total Project Cost: \$4,400,000 — \$27,500,000

**Description:**

A comprehensive facility study of the Middle School was performed in 2013 and presented to the School Board and City Council in October 2013. Five options were presented ranging from immediate repairs to new construction. Estimated costs for these options range from \$4.4 million to \$27.5 million. Note: If the facility study improvements are not made, the roof will need to be addressed.

**Justification:**

The original portion of the building is over 80 years old. The facility is comprised of 11 different phases of work. The facility is served by multiple HVAC systems and electrical services. Much of the building structure and major systems are outdated and have outlived their life expectancy.

**Expenditures:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                                |   |
|--------------------------------|---|
| <b>Department:<br/>Schools</b> | <b>Project Number and Title:<br/>Primary School Roof Replacement 11-SCH-002</b> |
|--------------------------------|---|

Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 20+ years

New Positions: N/A

Total Project Cost: \$1,034,000

**Description:**

The Primary School “built up roof” is currently in good condition. Most of the areas that allow water infiltration have been repaired. The roof’s useful life can be extended significantly without the cost of total replacement by performing a re-saturation of a modified asphalt flood coat with new gravel and new flashing.

**Justification:**

The existing roof will be 25 years old, and this will give another 15-25 years of life to the existing roof as well as eliminating all leaks and fortify the roof. Rather than waiting until replacement is necessary, will save at least \$300,000.

**Expenditures:**

| Type         | FY17 | FY18 | FY19 | FY20      | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|-----------|------|----------------|---------------|
| Construction |      |      |      | \$831,000 |      | \$203,000      | \$1,034,000   |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20      | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|-----------|------|----------------|---------------|
| General Fund |      |      |      | \$831,000 |      | \$203,000      | \$1,034,000   |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                |  |
|--------------------------------|--|
| <b>Department:<br/>Schools</b> | <b>Project Number and Title:<br/>High School Locker Room Renovation 11-SCH-005</b> |
|--------------------------------|--|

**Contact: Jennifer Parish**

**Project Type: Improvement**

**Useful Life: 15 years**

**New Positions: N/A**

**Total Project Cost: \$67,000**

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Construction |             |             |             |             |             | \$67,000               | \$67,000              |

**Funding Sources:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| General Fund |             |             |             |             |             | \$67,000               | \$67,000              |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                               |   |
|-------------------------------|---|
| <b>Department:</b><br>Schools | <b>Project Number and Title:</b><br>High School HVAC 11-SCH-006 |
|-------------------------------|---|

**Contact:** Jennifer Parish

**Project Type:** Improvement

**Useful Life:** 15 years

**New Positions:** N/A

**Total Project Cost:** \$76,000

**Description:**

Refurbish and/or replace Variable Air Volume (VAV) units and controls.

**Justification:**

The 80 VAV boxes on the High School roof are currently 14 years old and will need refurbishment or replacement. Changes to the controls will also be required. Refurbishment and/or replacement is needed to maintain reliable comfort in 80 classrooms and public spaces.

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction | \$76,000    |             |             |             |             |                       | \$76,000             |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Debt        | \$76,000    |             |             |             |             |                       | \$76,000             |

**Operational Impact/Other:**

The debt service on this project at 5% interest over 10 years equates to annual payments of \$9,750.

**Operating Budget Impact:**

| <u>Type</u>         | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|---------------------|-------------|-------------|-------------|-------------|-------------|
| <u>Debt Service</u> | \$4,900     | \$9,750     | \$9,750     | \$9,750     | \$9,750     |

|                                |   |
|--------------------------------|---|
| <b>Department:<br/>Schools</b> | <b>Project Number and Title:<br/>Bus Replacement 11-SCH-009</b> |
|--------------------------------|---|

**Contact:** Jennifer Parish

**Project Type:** Equipment

**Useful Life:** 12+ years

**New Positions:** N/A

**Total Project Cost:** \$921,000

**Description:**

The current fleet is aged beyond that recommended by the State. Our current fleet has nine buses 15 years or older, one of which is 20 years old. There are currently three buses with over 200,000 miles on them. Current cost for a 48 passenger Type A handicapped bus is approximately \$97,000. A conventional 65 passenger Type C bus is approximately \$90,000.

**Justification:**

Section 20-70-490 of the Virginia Administrative Code states: *a schedule for a replacement of buses on a continuing basis shall be developed and implemented by each school division.*  
We use 14 buses on a daily basis, 5 of which are either older than 12 years or have excessive mileage.

**Expenditures:**

|         |             |             |             |             |             | Beyond      | Total       |           |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
|         | <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Cost</u> |           |
| Vehicle |             | \$85,000    | \$166,000   | \$166,000   | \$174,000   | \$166,000   | \$164,000   | \$921,000 |

**Funding Sources:**

|              |             |             |             |             |             | Beyond      | Total       |           |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
|              | <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Cost</u> |           |
| General Fund |             | \$85,000    | \$166,000   | \$166,000   | \$174,000   | \$166,000   | \$164,000   | \$921,000 |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                               |  |
|-------------------------------|--|
| <b>Department:</b><br>Schools | <b>Project Number and Title:</b><br>Asphalt Repairs 12-SCH-001 |
|-------------------------------|--|

**Contact:** Jennifer Parish

**Project Type:** Improvement

**Useful Life:** 15 years

**New Positions:** N/A

**Total Project Cost:** \$147,000

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction |             |             |             |             |             | \$147,000             | \$147,000            |

**Funding Sources:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| General Fund |             |             |             |             |             | \$147,000             | \$147,000            |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                                |  |
|--------------------------------|--|
| <b>Department:<br/>Schools</b> | <b>Project Number and Title:<br/>High School Roof Replacement 12-SCH-003</b> |
|--------------------------------|--|

Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$1,338,000

**Description:**

Install a second layer onto existing roof.

**Justification:**

The roof is a “modified bitumen” roof with an average service life of 17.3 years. The roof will be 23 years old in 2019. Roof leaks are being patched as they reveal themselves. Water intrusion leads to other costly damage and increased risk of building moisture intrusion and associated problems.

**Expenditures:**

| Type         | FY17 | FY18 | FY19 | FY20        | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|-------------|------|----------------|---------------|
| Construction |      |      |      | \$1,307,000 |      | \$31,000       | \$1,338,000   |

**Funding Sources:**

| Type       | FY17 | FY18 | FY19 | FY20        | FY21 | Beyond<br>FY21 | Total<br>Cost |
|------------|------|------|------|-------------|------|----------------|---------------|
| Debt Issue |      |      |      | \$1,307,000 |      | \$31,000       | \$1,338,000   |

**Operational Impact/Other:**

The debt service on this project at 5% interest over 20 years equates to annual payments of \$106,600.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20     | FY21      |
|------|------|------|------|----------|-----------|
|      |      |      |      | \$53,800 | \$106,600 |

|                                |  |
|--------------------------------|--|
| <b>Department:<br/>Schools</b> | <b>Project Number and Title:<br/>High School Gym HVAC 12-SCH-004</b> |
|--------------------------------|--|

**Contact:** Jennifer Parish

**Project Type:** Improvement

**Useful Life:** 15 years

**New Positions:** N/A

**Total Project Cost:** \$126,000

**Description:**

Add Air Conditioning to the gym. Plan would be to add self contained a/c package units to the roof of the gym.

**Justification:**

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

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction |             |             |             |             |             | \$126,000             | \$126,000            |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Debt Issue  |             |             |             |             |             | \$126,000             | \$126,000            |

**Operational Impact/Other:**

The debt service on this project at 5% interest over 10 years equates to annual payments of \$16,165.

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                               |   |
|-------------------------------|---|
| <b>Department:</b><br>Schools | <b>Project Number and Title:</b><br>Middle School Roof Repairs 15-SCH-002 |
|-------------------------------|---|

Contact: Jennifer Parish

Project Type: Improvement

Useful Life: 30 years

New Positions: N/A

Total Project Cost: \$945,000

**Description:**

The Middle School has a total of 75,376 sq. ft. The roof consultant identified that 31,400 sq. ft. or 42% of the roof area should be replaced on or prior to 2018. The estimated cost is \$340,000.

**Justification:**

The largest area of replacement scheduled for a 2018 replacement is the 13, 667 sq. ft. area of the 1970 addition making the roof 48 years old, with a cost of \$237,345, the other remaining \$100,000 is for the shingled roof section which will be 28 years old. Roof leaks are being patched as they reveal themselves. Water intrusion leads to other costly damage and increased risk of building moisture intrusion and associated problems.

**Expenditures:**

| Type         | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|-----------|------|------|----------------|---------------|
| Construction |      |      | \$342,000 |      |      | \$603,000      | \$945,000     |

**Funding Sources:**

| Type       | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|------------|------|------|-----------|------|------|----------------|---------------|
| Debt Issue |      |      | \$342,000 |      |      | \$603,000      | \$945,000     |

**Operational Impact/Other:**

Reduced maintenance costs. The debt service on this project at 5% interest over 20 years equates to annual payments of \$75,700.

**Operating Budget Impact:**

| Type         | FY17 | FY18 | FY19     | FY20     | FY21     |
|--------------|------|------|----------|----------|----------|
| Debt Service |      |      | \$37,845 | \$75,700 | \$75,700 |

|                            |   |
|----------------------------|---|
| <b>Department:</b><br>Fire | <b>Project Number and Title:</b><br>Replacement of Engine 102 08-PS-301 |
|----------------------------|---|

**Contact:** Robert Holloway

**Project Type:** Equipment

**Useful Life:** 25 years

**New Positions:** N/A

**Total Project Cost:** \$350,000



**Description:**

Replacement of Engine 102, a 1990 Grumman Custom 1250 GPM fire pumper located at Station #1 with a Mini-Pumper with compressed air foam system. The City will retain Engine 102 as a reverse pumper in the event one of our first run pumpers is out of service, as well as satisfying ISO's requirement that we maintain a reserve pumper.

**Justification:**

Engine 102, originally built in 1990, has had an assortment of problems. Two major areas that have already been addressed include replacement of the engine due to its failure and repainting the vehicle in 2007 due to problems with the original craftsmanship. It is our desire to replace this apparatus with a Mini-pumper with compressed air foam system. This piece of equipment will allow us easier access to private lanes which our larger apparatus cannot access.

**Expenditures:**

| Type    | FY17 | FY18 | FY19 | FY20      | FY21 | Beyond<br>FY21 | Total<br>Cost |
|---------|------|------|------|-----------|------|----------------|---------------|
| Vehicle |      |      |      | \$350,000 |      |                | \$350,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20      | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|-----------|------|----------------|---------------|
| General Fund |      |      |      | \$350,000 |      |                | \$350,000     |

**Operational Impact/Other:**

This will be a replacement vehicle and will be used to maintain the current level of protection. Moreover, the new vehicle should require little repair and maintenance and Engine 102 should require less repair and maintenance due to the fact it will be used only as a reserve pumper in the event one of our first run pumpers is out of service, thereby reducing these costs.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                             |  |
|-----------------------------|--|
| <b>Department:<br/>Fire</b> | <b>Project Number and Title:<br/>Replacement of Medic 21 11-PS-002</b> |
|-----------------------------|--|

**Contact: Robert Holloway**

**Project Type: Equipment**

**Useful Life: 10 years**

**New Positions: N/A**

**Total Project Cost: \$200,000**



**Description:**

Replacement of Medic 21 located at Station #2.

**Justification:**

Medic 21 is a 1997 Ford E-450 Type III unit made by Wheeled Coach and currently has 114,949 miles. We will replace this unit with a similar unit with an approximate cost of \$200,000.

**Expenditures:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Equipment   | \$200,000   |             |             |             |             |                       | \$200,000            |

**Funding Sources:**

| <u>Type</u>  | <u>FY17</u>      | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|------------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| General Fund | \$50,000         |             |             |             |             |                       | \$50,000             |
| Grant Fund   | 100,000          |             |             |             |             |                       | 100,000              |
| Donation     | 50,000           |             |             |             |             |                       | 50,000               |
| <b>Total</b> | <b>\$200,000</b> |             |             |             |             |                       | <b>\$200,000</b>     |

**Operational Impact/Other:**

This will be a replacement vehicle and will be used to maintain the current level of service. The new vehicle should require little repair and maintenance, thereby reducing these costs.

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|  |   |
|--|---|
| <b>Department:<br/>Police &amp; Fire</b> | <b>Project Number and Title:<br/>Public Safety Building 11-PS-003</b> |
|--|---|

**Contact:** Cliff Bowen

**Project Type:** Building

**Useful Life:** 25 years

**New Positions:** N/A

**Total Project Cost:** \$3,500,000

**Description:**

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

**Justification:**

The current police and the fire administration facilities both lack the necessary size and are constrained by their age and their failing utilities and systems. The current EOC is located in a small conference room at city hall. The new EOC would house modern communications equipment, be large enough for the city organization, and be located in a secure facility out of the flood zone. The fire department’s administrative offices are in the municipal building which has recently had some major renovation work, to include the replacement of the HVAC unit.

**Expenditures:**

| <u>Type</u>        | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Preliminary Design |             | \$50,000    |             |             |             |                       | \$50,000             |
| Construction       |             |             |             |             |             | \$3,450,000           | \$3,450,000          |
| <b>Total</b>       |             | \$50,000    |             |             |             | \$3,450,000           | \$3,500,000          |

**Funding Sources:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| General Fund |             | \$50,000    |             |             |             |                       | \$50,000             |
| Debt Issue   |             |             |             |             |             | \$3,450,000           | \$3,450,000          |
| <b>Total</b> |             | \$50,000    |             |             |             | \$3,450,000           | \$3,500,000          |

**Operational Impact/Other:**

By putting the police department together with the fire administration section, certain savings may be realized in regards to the sharing of equipment and services. For example, one administrative assistant could be shared. The City would only have to maintain one new, energy efficient building versus the current costs of maintaining two old buildings with significant problems with utilities and systems. The debt service on this project at 5% interest over 20 years would be approximately \$240,000 per year.

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|             |             |             |             |             | \$120,000   |

|   |   |
|---|---|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>Wythe Creek Road South 08-T&D-202 |
|---|---|

Contact: Debbie Vest

Project Type: Improvement

Useful Life: Indefinite

New Positions: N/A

Total Project Cost: \$12,420,000

**Description:**

Widen Wythe Creek Road from Alphus Street south to the City line. The project would also extend the City’s bike path and sidewalk. This project is in conjunction with the City of Hampton.

**Justification:**

Road widening is needed to handle increased traffic volume. The roadway continues to experience increasing congestion and will become a safety hazard if not widened. The State cost share is 98% for engineering, right-of-way acquisition and construction of the project; however, State funds do not flow through City records. Expenditures shown are total costs and funding is accrued annually at VDOT.

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction | \$400,000   | \$1,645,850 | \$1,458,288 | \$8,915,862 |             |                       | \$12,420,000         |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| State Funding | \$400,000   | \$1,645,850 | \$1,458,288 | \$8,915,862 |             |                       | \$12,420,000         |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |   |
|---|---|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>Chesapeake Bay/Stormwater TMDL Improvements<br>12-T&D-001 |
|---|---|

Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$18,500,000

**Description:**

These funds are for EPA- and Virginia DEQ-required improvements to Poquoson’s public drainage system and properties. FY 16 funds will fund stormwater permit-required mapping and planning retrofits intended to reach the 40% treatment target. FY 17-20 monies will be targeted at construction of the retrofits. Funding will primarily pay for stormwater quality treatment targeted at Chesapeake Bay TMDL goals, but will also pay for engineering and operational plans required by the City’s Municipal Separate Storm Sewer (MS4) permit.

**Justification:**

Aggressive storm water quality control is mandated by the EPA under the Clean Water Act, & enforced by both the state and EPA through the City’s MS4 permit. Permit deadlines require reaching 5% of water quality treatment before July 2018; 40% by July 2023; and 100% by 2028. Staff’s goal is to develop projects with both pollution removal and some secondary purpose (flooding, safety); to leverage funding by using it as a match for grants; & to take credit for existing practices whenever possible. The Bay program has been under development for several years; specific City actions became mandatory through its latest (2013-2018) MS4 permit.

**Expenditures:**

| Type                     | FY17     | FY18      | FY19      | FY20      | FY21        | Beyond<br>FY21 | Total<br>Cost |
|--------------------------|----------|-----------|-----------|-----------|-------------|----------------|---------------|
| Consultants/Construction | \$50,000 | \$100,000 | \$150,000 | \$500,000 | \$1,000,000 | \$16,700,000   | \$18,500,000  |

**Funding Sources:**

| Type         | FY17     | FY18      | FY19      | FY20      | FY21        | Beyond<br>FY21 | Total<br>Cost |
|--------------|----------|-----------|-----------|-----------|-------------|----------------|---------------|
| General Fund | \$50,000 | \$100,000 | \$150,000 | \$500,000 | \$1,000,000 |                | \$1,800,000   |
| Debt Issue   |          |           |           |           |             | 16,700,000     | 16,700,000    |
| Total        | \$50,000 | \$100,000 | \$150,000 | \$500,000 | \$1,000,000 | \$16,700,000   | \$18,500,000  |

**Operational Impact/Other:**

The debt issue on this project at 5% interest over 20 years equates to annual payments of \$1,326,550 per year.

**Operating Budget Impact:**

| Type         | FY17 | FY18 | FY19 | FY20 | FY21 |
|--------------|------|------|------|------|------|
| Debt Service |      |      |      |      |      |

|   |   |
|---|---|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>Poquoson Shores Tidal Flooding 12-T&D-002 |
|---|---|

Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$80,000



**Description:**

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

**Justification:**

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

**Expenditures:**

| Type                     | FY17 | FY18     | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------------------|------|----------|------|------|------|----------------|---------------|
| Plan/Design/Construction |      | \$80,000 |      |      |      |                | \$80,000      |

**Funding Sources:**

| Type          | FY17 | FY18     | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|---------------|------|----------|------|------|------|----------------|---------------|
| State Funding |      | \$80,000 |      |      |      |                | \$80,000      |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|   |   |
|---|---|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>Poquoson Avenue Piping Upgrade 12-T&D-003 |
|---|---|

Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$145,000



**Description:**

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

**Justification:**

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

**Expenditures:**

| Type         | FY17 | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|------|------|----------------|---------------|
| Construction |      |      |      |      |      | \$145,000      | \$145,000     |

**Funding Sources:**

| Type          | FY17 | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|---------------|------|------|------|------|------|----------------|---------------|
| State Funding |      |      |      |      |      | \$145,000      | \$145,000     |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|   |  |
|---|--|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>City Ditch Erosion Paving 12-T&D-004 |
|---|--|

Contact: Ellen Roberts

Project Type: Improvement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$500,000



**Description:**

This is a multi-year project to pipe earthen ditches along City streets. Project costs include construction of the pipes; demolition and replacement of residential driveways; tree removal; installation of yard drains; engineering; utility relocation; and seeding and mulching. In order to maintain the current capacity provided by the ditches during large storm events, driveway culvert pipes must be removed. The ditch piping will be larger (18” to 30”) than the existing driveway culvert pipe sizes.

**Justification:**

This project is necessary to improve pedestrian and vehicular safety along roads with minimal to no shoulders and steep ditch side slopes. When possible, a proprietary water quality drain inlet will be installed to help meet Chesapeake Bay TMDL standards. The water quality devices will be funded using allocations from the Chesapeake BAY TMDL CIP category.

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond      | Total       |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|              |             |             |             |             |             | <u>FY21</u> | <u>Cost</u> |
| Construction | \$120,000   | \$150,000   | \$100,000   | \$50,000    | \$80,000    |             | \$500,000   |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond      | Total       |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|               |             |             |             |             |             | <u>FY21</u> | <u>Cost</u> |
| State Funding | \$120,000   | \$150,000   | \$100,000   | \$50,000    | \$80,000    |             | \$500,000   |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |   |
|---|---|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>ROW & Sidewalk Acquisition 08-T&D-210 |
|---|---|

Contact: Debbie Vest

Project Type: Improvement

Useful Life: 25+ years

New Positions: N/A

Total Project Cost: \$500,000

**Description:**

CIP Line item is based on the Bicycle and Pedestrian Safety Program (BPSP) grant funding program. The Sidewalk Committee decided on applying for the VDOT BPSP grant funding program with the Poquoson Avenue segment (from Little Florida Road to Wythe Creek Road). Final design is still pending and may have been requested as part of the grant application. Results of application are unknown and pending City submittal and VDOT's decision.

**Justification:**

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

**Expenditures:**

| Type  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Other | \$500,000   |             |             |             |             |                       | \$500,000            |

**Funding Sources:**

| Type  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Grant | \$500,000   |             |             |             |             |                       | \$500,000            |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |  |
|---|--|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>Victory Boulevard 12-T&D-006 |
|---|--|

Contact: Debbie Vest

Project Type: Improvement

Useful Life: Indefinite

New Positions: N/A

Total Project Cost: \$21,700,000

**Description:**

Widen Victory Boulevard from 2 lanes to 4 lanes from Wythe Creek Road to Poquoson City/York County limit.

**Justification:**

Road widening is needed to handle increased traffic volume. The roadway continues to experience increasing congestion and will become a safety hazard if not widened. The State cost share is 98% for engineering, right-of-way acquisition and construction of the project; however, State funds do not flow through City records. Expenditures shown are total costs and funding is accrued annually at VDOT.

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction |             |             |             |             |             | \$21,700,000          | \$21,700,000         |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| State Funding |             |             |             |             |             | \$21,700,000          | \$21,700,000         |

**Operational Impact/Other:**

There will be additional lane miles to maintain; however, Poquoson will receive VDOT maintenance money to cover expenses. The City will need to collaborate with York County on this project.

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |  |
|---|--|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>Oxford Mews Drainage Improvements 15-T&D-001 |
|---|--|

Contact: Ellen Roberts

Project Type: Drainage System Retrofits

Useful Life: 25 years +

New Positions: N/A

Total Project Cost: \$130,000

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>     | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-----------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Planning/Design |             |             |             |             |             | \$50,000              | \$50,000             |
| Construction    |             |             |             |             |             | 80,000                | 80,000               |
| Total           |             |             |             |             |             | \$130,000             | \$130,000            |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| State Funding |             |             |             |             |             | \$130,000             | \$130,000            |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
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|   |   |
|---|---|
| <b>Department:</b><br>Transportation & Drainage | <b>Project Number and Title:</b><br>Little Florida Road South Ditch Piping 16-T&D-001 |
|---|---|

Contact: Ellen Roberts

Project Type: Ditch Piping

Useful Life: 50 years +

New Positions: N/A

Total Project Cost: \$65,000

**Description:**

This project consist of replacing piping under Cedar Road on the southern leg of the Cedar Road/Little Florida Road intersection, and then piping the southern roadside ditch between Cedar Road and Far Street. The project includes the installation of approximately 880 liner feet of pipe; yard inlets; two end sections and erosion stone. 3 driveways will be replaced and several trees will be removed.

**Justification:**

This project will improve road safety by creating a shoulder on the southern side of Little Florida Road along a stretch of roadway known for limited visibility and numerous car accidents. The work will prevent erosion by replacing a steep sided earthen ditch with pipe, and will improve drainage by replacing a pipe that was installed too high with one that adequately conveys flow under Cedar Rd.

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction | \$65,000    |             |             |             |             |                       | \$65,000             |
| Total        | \$65,000    |             |             |             |             |                       | \$65,000             |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| State Funding | \$65,000    |             |             |             |             |                       | \$65,000             |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
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|------------------------------------|--|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Street Paving 12-T&D-007 |
|------------------------------------|--|

Contact: Tom Jones

Project Type: Replacement

Useful Life:

New Positions: N/A

Total Project Cost: \$1,955,465

**Description:**

Street repaving is necessary for infrastructure upkeep. The following streets are scheduled to be repaved in the following years:  
 FY17— Sir Ralph Ln, Ct. DeAyllon, North Lawson Rd, Laydon Way (North), Darden Dr, Lauren Dr, Crosby Cr, Terrace Dr, S Terrace Dr, Rowe Dr  
 FY18—Grace Cr, Susan Dr, Marie Ct, Ruth Dr, Dorothy Dr, Lee Ave, Hansom Dr, Wendell Cr, City Hall Ave, Victory Blvd (partial)  
 FY19—Berwick St, Robert Bruce Dr, Odd Rd (South), Joseph Topping Dr, Kathy Dr, Browns Neck Rd, Rue Degrasse, Norman Dr, Lafayette Rd, Bennett Farm Rd, Ebb Tide Landing  
 FY20— Valmoore Dr, Jefferson Ct, Thomas Dr, Basil Ct, Lessies Dr, Carmines Ct, Oxford Mews, Gay Lynn Dr, Jean Mar Dr, Dorlie Cr  
 FY21—Bunting Ln, Locust Run, Martha Ct, Floyd Ave, Holly St, Lodge Rd, Hunts Wood Dr, Willis Ct, Frank Hunt Ct, Oscar Ct, Woodhaven Dr

**Justification:**

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

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Construction | \$379,900   | \$402,865   | \$374,700   | \$394,300   | \$403,700   |                        | \$1,955,465           |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| State Funding | \$379,900   | \$402,865   | \$374,700   | \$394,300   | \$403,700   |                        | \$1,955,465           |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
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|------------------------------------|---|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Public Works Compound 08-PW-407 |
|------------------------------------|---|

Contact: Tom Jones

Project Type: Buildings

Useful Life: 30 + years

New Positions: N/A

Total Project Cost: \$875,200

**Description:**

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

**Justification:**

There are buildings in the compound that are unsafe and nonrepairable, no longer accommodate the size of the equipment used by the City and are too small to store all materials, tools, and equipment.

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction |             |             |             |             |             | \$875,200             | \$875,200            |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Debt Issue  |             |             |             |             |             | \$875,200             | \$875,200            |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
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|------------------------------------|--|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Dump Truck 12-PW-001 |
|------------------------------------|--|

Contact: Tom Jones

Project Type: Equipment

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$490,000

**Description:**

Replacement of existing 1997 F-800 Dump Truck, 2002 7500 GMC Crew Cab Dump Truck with Under Body Air Compressor and 2000 GMC 7500.

**Justification:**

The dump trucks are 13-18 years in age. The recommended replacement is 16 years. Parts are becoming very difficult to find for the trucks especially the 1997 F-800.

**Expenditures:**

| Type      | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-----------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Equipment |             | \$150,000   | \$160,000   | \$180,000   |             |                       | \$490,000            |

**Funding Sources:**

| Type         | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| General Fund |             | \$150,000   | \$160,000   | \$180,000   |             |                       | \$490,000            |

**Operational Impact/Other:**

Decrease in Maintenance Budget.

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                                    |  |
|------------------------------------|--|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Loader 12-PW-003 |
|------------------------------------|--|

Contact: Tom Jones

Project Type: Equipment

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$260,000

**Description:**

Replacement of existing 1990 John Deere 544E Loader.

**Justification:**

Replacing ageing equipment is very important in providing good service to citizens. The current age of the piece of equipment is 25 years old. The recommended replacement age is 16 years.

**Expenditures:**

| Type      | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|-----------|------|------|----------------|---------------|
| Equipment |      |      | \$260,000 |      |      |                | \$260,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|-----------|------|------|----------------|---------------|
| General Fund |      |      | \$260,000 |      |      |                | \$260,000     |

**Operational Impact/Other:**

Decrease in Maintenance Budget.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                    |  |
|------------------------------------|--|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Grader 12-PW-004 |
|------------------------------------|--|

Contact: Tom Jones

Project Type: Equipment

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$165,000

**Description:**

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

**Justification:**

This piece of equipment will be twenty-two years old at the time of replacement. The replacement policy recommends replacing this equipment every 16 years.

**Expenditures:**

| Type      | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|-----------|------|------|----------------|---------------|
| Equipment |      |      | \$165,000 |      |      |                | \$165,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|-----------|------|------|----------------|---------------|
| General Fund |      |      | \$165,000 |      |      |                | \$165,000     |

**Operational Impact/Other:**

Decrease in Maintenance Budget.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                    |  |
|------------------------------------|--|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Dozier 12-PW-006 |
|------------------------------------|--|

Contact: Tom Jones

Project Type: Equipment

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$150,000

**Description:**

Replacement of existing 1998 John Deere 450 Dozier.

**Justification:**

Equipment down time causes delays in performing scheduled work in a timely manner. Also, replacement parts for equipment can be hard to find. This maintenance costs increase every year this piece of equipment is used. At the time of requested replacement, it will be over 22 years old. The replacement policy recommends replacing this equipment every 16 years.

**Expenditures:**

| Type      | FY17 | FY18 | FY19 | FY20      | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|------|-----------|------|----------------|---------------|
| Equipment |      |      |      | \$150,000 |      |                | \$150,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20      | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|-----------|------|----------------|---------------|
| General Fund |      |      |      | \$150,000 |      |                | \$150,000     |

**Operational Impact/Other:**

Decrease in Maintenance Budget.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                    |   |
|------------------------------------|---|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Mower Replacement 12-PW-007 |
|------------------------------------|---|

Contact: Tom Jones

Project Type: Equipment

Useful Life: 12 years

New Positions: N/A

Total Project Cost: \$350,000

**Description:**

Replacement of an existing 1997 Slope Mower and a 2001 John Deere Slope Mower . The 1997 slope mower tractor is used for cutting all grass in the right-of-way. The 2001 is mainly used to maintain current outfall ditches.

**Justification:**

The age of the mowers will be over 16 years at the time of replacement, past the 12 years recommended replacement period. Some replacement parts are no longer available.

**Expenditures:**

| Type      | FY17      | FY18      | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|-----------|-----------|------|------|------|----------------|---------------|
| Equipment | \$170,000 | \$180,000 |      |      |      |                | \$350,000     |

**Funding Sources:**

| Type         | FY17      | FY18      | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|-----------|-----------|------|------|------|----------------|---------------|
| General Fund | \$170,000 | \$180,000 |      |      |      |                | \$350,000     |

**Operational Impact/Other:**

Decrease in Maintenance Budget.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                    |   |
|------------------------------------|---|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Excavator 15-PW-002 |
|------------------------------------|---|

Contact: Tom Jones

Project Type: Equipment

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$160,000

**Description:**

Replacement of existing 2001 Komatsu Excavator. This machine is critical in maintaining our current drainage system. It is used to clean outfall ditches, install sewer taps, patch roadways, and repair sinkholes.

**Justification:**

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

**Expenditures:**

| Type      | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|-----------|------|------|----------------|---------------|
| Equipment |      |      | \$160,000 |      |      |                | \$160,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|-----------|------|------|----------------|---------------|
| General Fund |      |      | \$160,000 |      |      |                | \$160,000     |

**Operational Impact/Other:**

Decrease in Maintenance Budget.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                    |   |
|------------------------------------|---|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Excavator 15-PW-001 |
|------------------------------------|---|

Contact: Tom Jones

Project Type: Equipment

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$390,000

**Description:**

Replacement of existing 1994 All Terrain Excavator. This machine is used to clean outfall ditches throughout the marsh areas.

**Justification:**

This piece of equipment will be 25 years old at the time of replacement. Currently replacement parts are only available in Germany.

**Expenditures:**

| Type      | FY17 | FY18 | FY19 | FY20      | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|------|-----------|------|----------------|---------------|
| Equipment |      |      |      | \$390,000 |      |                | \$390,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20      | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|-----------|------|----------------|---------------|
| General Fund |      |      |      | \$390,000 |      |                | \$390,000     |

**Operational Impact/Other:**

Decrease in Maintenance Budget.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                    |  |
|------------------------------------|--|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Dump Truck 17-PW-001 |
|------------------------------------|--|

Contact: Tom Jones

Project Type: Replacement

Useful Life: 15 years

New Positions: N/A

Total Project Cost: \$165,000.00

**Description:**

Replace existing 2005 Freightliner (PW5)  
Dump trucks are a very critical part of maintaining the city’s infrastructure. This is used for a variety of things including snow removal.

**Justification:**

The dump truck will be 16 at the time of replacement.

**Expenditures:**

| Type      | FY17 | FY18 | FY19 | FY20 | FY21      | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|------|------|-----------|----------------|---------------|
| Equipment |      |      |      |      | \$165,000 |                | \$165,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20 | FY21      | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|------|-----------|----------------|---------------|
| General Fund |      |      |      |      | \$165,000 |                | \$165,000     |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                    |   |
|------------------------------------|---|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Backhoe 16-PW-001 |
|------------------------------------|---|

Contact: Tom Jones

Project Type: Replacement

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$130,000.00

**Description:**

2006 Komatsu Backhoe  
This machine is a critical part of infrastructure maintenance.

**Justification:**

The useful life of this equipment is 14 to 15 years. In 2020 it will be more expensive to maintain and parts will be harder to obtain. 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. It is essential to keep it in very good condition.

**Expenditures:**

| Type      | FY17 | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|------|------|------|----------------|---------------|
| Equipment |      |      |      |      |      | \$130,000      | \$130,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|------|------|----------------|---------------|
| General Fund |      |      |      |      |      | \$130,000      | \$130,000     |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                    |   |
|------------------------------------|---|
| <b>Department:</b><br>Public Works | <b>Project Number and Title:</b><br>Pick Up F-350 17-PW-003 |
|------------------------------------|---|

Contact: Tom Jones

Project Type: Replacement

Useful Life: 16 years

New Positions: N/A

Total Project Cost: \$74,000.00

**Description:**

Replace existing 1994 Ford F-350 Pick up with Stack Body—PW1  
 This vehicle is used to replace/repair all of our street signs. With its body style it is able to hold all of the equipment/tools used in this process.

**Justification:**

The vehicle is 21 years old with over \$200,000 miles.

**Expenditures:**

| Type      | FY17 | FY18 | FY19 | FY20     | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|------|----------|------|----------------|---------------|
| Equipment |      |      |      | \$74,000 |      |                | \$74,000      |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20     | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|----------|------|----------------|---------------|
| General Fund |      |      |      | \$74,000 |      |                | \$74,000      |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                   |  |
|-----------------------------------|--|
| <b>Department:<br/>Facilities</b> | <b>Project Number and Title:<br/>HVAC Systems for City Hall 12-FAC-002</b> |
|-----------------------------------|--|

Contact: Jim Beach

Project Type: Equipment

Useful Life: 20 years

New Positions: N/A

Total Project Cost: \$350,000

**Description:**

Replace current HVAC system for City Hall and Library. During replacement process Air Handling Units will require replacement due to the fact that current refrigerants in use are not compatible with new equipment. Duct-work changes are recommended to allow more use of outside air.

**Justification:**

Installation of Building Automation System (BAS) is recommended. A BAS system will give the City control over the systems operation and control systems operations only when needed thus generating savings for the City. Night time setbacks and holiday thermostat setbacks for rooms not in use are controlled from any designated City PC or laptop computer. Rather than replace one system at a time, update all equipment at once thus eliminating construction disturbance throughout the building. More economical operating equipment and more control will equal substantial savings for the City, less Carbon footprint and a healthier environment for City employees.

**Expenditures:**

| Type      | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-----------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Equipment |             | \$350,000   |             |             |             |                       | \$350,000            |

**Funding Sources:**

| Type         | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| General Fund |             | \$350,000   |             |             |             |                       | \$350,000            |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                                   |  |
|-----------------------------------|--|
| <b>Department:<br/>Facilities</b> | <b>Project Number and Title:<br/>HVAC Systems for Police Department 12-FAC-003</b> |
|-----------------------------------|--|

Contact: Jim Beach

Project Type:

Useful Life: 25 years

New Positions: N/A

Total Project Cost: \$73,000

**Description:**

Install two 5 ton R-410A high efficient Heat Pumps with low ambient kits and one 10 ton Air handling Unit with electric heat with new refrigerant piping. The ductwork currently serving the second floor is to be capped off, provide the second floor with its own zone by installing a separate 2 ton heat pump system complete with electric supplemental heat and ductwork.

**Justification:**

The building's main source of AC/Heat is supplied by a dual circuit 10 to heat pump electric heat system which has a manufacturer's date of 1998. The system is 14 years old; life expectancy of this type of system is 10-15 years. Air-flow is inadequate on the SE corner of the first floor. The second floor air flow is inadequate and an unhealthy environment, especially during use with high occupancy such as meetings and training sessions. New systems shall be installed to allow more use of ambient air thus introducing fresh outside air to the system in order to help promote a healthier work environment. Installation of a BAS will allow control of areas with setbacks during nonuse periods.

**Expenditures:**

| Type      | FY17 | FY18     | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|----------|------|------|------|----------------|---------------|
| Equipment |      | \$73,000 |      |      |      |                | \$73,000      |

**Funding Sources:**

| Type         | FY17 | FY18     | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|----------|------|------|------|----------------|---------------|
| General Fund |      | \$73,000 |      |      |      |                | \$73,000      |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                               |   |
|-------------------------------|---|
| <b>Department:</b><br>Finance | <b>Project Number and Title:</b><br>Financial System 12-FIN-001 |
|-------------------------------|---|

Contact: Theresa Owens

Project Type: Software and Equipment

Useful Life: 10 years

New Positions: N/A

Total Project Cost: \$250,000

**Description:**

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

**Justification:**

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

**Expenditures:**

| Type      | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-----------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Equipment |             | \$250,000   |             |             |             |                       | \$250,000            |

**Funding Sources:**

| Type         | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| General Fund |             | \$250,000   |             |             |             |                       | \$250,000            |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|------|-------------|-------------|-------------|-------------|-------------|
|------|-------------|-------------|-------------|-------------|-------------|

|                                   |  |
|-----------------------------------|--|
| <b>Department:</b><br>Solid Waste | <b>Project Number and Title:</b><br>Debris Truck Replacement 12-SW-001 |
|-----------------------------------|--|

Contact: Tom Jones

Project Type: Equipment

Useful Life: 12 years

New Positions: N/A

Total Project Cost: \$185,000

**Description:**

Replacement of existing 2003 CY Debris Truck. This pieces of equipment is used to pickup our bulky and landscape items. It is also critical in picking up after nor'easters and storms. It is also used for the fall leaf program and for the convenience site.

**Justification:**

At the time of replacement this piece of equipment will be over 16 years old. It is recommended it be replaced every 12 years.

**Expenditures:**

| Type      | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|-----------|------|------|----------------|---------------|
| Equipment |      |      | \$185,000 |      |      |                | \$185,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19      | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|-----------|------|------|----------------|---------------|
| General Fund |      |      | \$185,000 |      |      |                | \$185,000     |

**Operational Impact/Other:**

Decrease in Maintenance Budget.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                   |  |
|-----------------------------------|--|
| <b>Department:</b><br>Solid Waste | <b>Project Number and Title:</b><br>Solid Waste Debris Truck 17-SW-002 |
|-----------------------------------|--|

Contact: Tom Jones

Project Type: Replacement

Useful Life: 12 years

New Positions: N/A

Total Project Cost: \$190,000

**Description:**

Replace existing 2006 20CY Debris Truck (SW6)  
 This piece of equipment is used to pick up our bulky and landscape items both roadside and at the Convenience Site and leaf bags during the Fall Leaf Program. It is critical in picking up after nor'easters and storms.

**Justification:**

At the time of replacement, this piece of equipment will be 15 years old. It is recommended to be replaced every 12 years.

**Expenditures:**

| Type      | FY17 | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|------|------|------|------|------|----------------|---------------|
| Equipment |      |      |      |      |      | \$190,000      | \$190,000     |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|------|------|------|------|----------------|---------------|
| General Fund |      |      |      |      |      | \$190,000      | \$190,000     |

**Operational Impact/Other:**

Decrease in Maintenance Budget. Critical equipment must be replcd 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.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|   |  |
|---|--|
| <b>Department:</b><br>Recreation and Events | <b>Project Number and Title:</b><br>Blue Way System 08-P&R-503 |
|---|--|

**Contact:** David Callis

**Project Type:** Construction—Recreational Amenities

**Useful Life:** 25+ years

**New Positions:** N/A

**Total Project Cost:** \$70,000



**Description:**

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

**Justification:**

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

**Expenditures:**

| Type                 | FY17 | FY18 | FY19 | FY20 | FY21            | Beyond<br>FY21 | Total<br>Cost   |
|----------------------|------|------|------|------|-----------------|----------------|-----------------|
| Trail Master Plan    |      |      |      |      | \$3,000         |                | \$3,000         |
| Signage, Posts, etc. |      |      |      |      | 50,000          |                | 50,000          |
| Interactive Program  |      |      |      |      | 7,000           |                | 7,000           |
| Canoe Livery         |      |      |      |      | 10,000          |                | 10,000          |
| <b>Total</b>         |      |      |      |      | <b>\$70,000</b> |                | <b>\$70,000</b> |

**Funding Sources:**

| Type         | FY17 | FY18 | FY19 | FY20 | FY21            | Beyond<br>FY21 | Total<br>Cost   |
|--------------|------|------|------|------|-----------------|----------------|-----------------|
| Grants       |      |      |      |      | \$70,000        |                | \$70,000        |
| <b>Total</b> |      |      |      |      | <b>\$70,000</b> |                | <b>\$70,000</b> |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|   |   |
|---|---|
| <b>Department:</b><br>Recreation and Events | <b>Project Number and Title:</b><br>South Lawson Park Upgrades 08-P&R-512 |
|---|---|

**Contact:** David Callis

**Project Type:** Construction

**Useful Life:** 25+ years

**New Positions:** N/A

**Total Project Cost:** \$250,000



**Description:**

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

**Justification:**

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

**Expenditures:**

| Type                              | FY17           | FY18            | FY19 | FY20 | FY21 | Beyond<br>FY21   | Total<br>Cost    |
|-----------------------------------|----------------|-----------------|------|------|------|------------------|------------------|
| Restrooms/Picnic Shelter          |                |                 |      |      |      | \$175,000        | \$175,000        |
| Playground/Sand Volleyball Courts | \$5,000        |                 |      |      |      | 45,000           | 50,000           |
| BMP pond aeration system          |                | \$25,000        |      |      |      |                  | 25,000           |
| <b>Total</b>                      | <b>\$5,000</b> | <b>\$25,000</b> |      |      |      | <b>\$220,000</b> | <b>\$250,000</b> |

**Funding Sources:**

| Type            | FY17           | FY18            | FY19 | FY20 | FY21 | Beyond<br>FY21   | Total<br>Cost    |
|-----------------|----------------|-----------------|------|------|------|------------------|------------------|
| General Fund    |                | \$25,000        |      |      |      | \$220,000        | \$245,000        |
| Community Group | \$5,000        |                 |      |      |      |                  | 5,000            |
| <b>Total</b>    | <b>\$5,000</b> | <b>\$25,000</b> |      |      |      | <b>\$220,000</b> | <b>\$250,000</b> |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|   |   |
|---|---|
| <b>Department:</b><br>Recreation & Events | <b>Project Number and Title:</b><br>Messick Point Breakwater 17-P&R-001 |
|---|---|

Contact: David Callis

Project Type: Construction

Useful Life: 30 years

New Positions: N/A

Total Project Cost: \$269,500



**Description:**

This project proposes to install a breakwater to provide protection to boats moored at the Messick Point pier during storm events. The project is “Phase II” of breakwater construction and installation at Messick Point. Phase I began in 2015. The breakwater proposed is envisioned to be of concrete, vinyl and other standard materials.

**Justification:**

In 2015 the Economic Development Office received grant funding from the VA Port Authority for a Messick Point Breakwater to protect the Messick Point Pier and Dock. Phase II seeks construction and installation of a breakwater which would extend this protective barrier to cover additional retail and recreational areas of Messick Point to the natural “point” of land at the end of Messick Road. This area includes privately-owned seafood, boating and marina properties. It is anticipated that this enhanced breakwater coverage will catalyze greater patron use of Messick Point, increasing commerce at the retail seafood markets, the restaurant and other nautically-related facilities at Messick Point.

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Installation | \$269,500   |             |             |             |             |                        | \$269,500             |

**Funding Sources:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Grant        | \$202,125   |             |             |             |             |                        | \$202,125             |
| General Fund | 67,375      |             |             |             |             |                        | 67,375                |
| Total        | \$269,500   |             |             |             |             |                        | \$269,500             |

**Operational Impact/Other:**

It can be anticipated that very little maintenance will be required of the structure unless it receives storm damage.

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |   |
|---|---|
| <b>Department:</b><br>Recreation & Events | <b>Project Number and Title:</b><br>Municipal Ballfield Lighting Upgrade 08-P&R-513 |
|---|---|

Contact: David Callis

Project Type: Municipal Ballfield Lighting Upgrade

Useful Life: 20+ years

New Positions: N/A

Total Project Cost: \$245,000



**Description:**

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

**Justification:**

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

**Expenditures:**

| Type         | FY17 | FY18             | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost    |
|--------------|------|------------------|------|------|------|----------------|------------------|
| Engineering  |      | \$ 5,000         |      |      |      |                | \$ 5,000         |
| Installation |      | 240,000          |      |      |      |                | 240,000          |
| <b>Total</b> |      | <b>\$245,000</b> |      |      |      |                | <b>\$245,000</b> |

**Funding Sources:**

| Type         | FY17 | FY18      | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|--------------|------|-----------|------|------|------|----------------|---------------|
| General Fund |      | \$245,000 |      |      |      |                | \$245,000     |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|  |   |
|--|---|
| <b>Department:<br/>Recreation &amp; Events</b> | <b>Project Number and Title:<br/>Western Precinct Park 08-P&amp;R-509</b> |
|--|---|

**Contact: David Callis**

**Project Type: Land Acquisition/Park Construction**

**Useful Life: 25+ years**

**New Positions: N/A**

**Total Project Cost: \$1,000,000**

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>                   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Land Acquisition/Construction |             |             |             |             |             | \$1,000,000            | \$1,000,000           |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Debt Issue  |             |             |             |             |             | \$1,000,000            | \$1,000,000           |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |  |
|---|--|
| <b>Department:</b><br>Recreation & Events | <b>Project Number and Title:</b><br>Municipal Pool Reconstruction 11-P&R-002 |
|---|--|

Contact: David Callis

Project Type: Construction

Useful Life: 30+ years

New Positions: N/A

Total Project Cost: \$3,000,000



**Description:**

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

**Justification:**

Municipal Pool is approximately 30+ years old and has reached its useful life capacity. Recurring maintenance problems, lack of ADA compliant facilities, antiquated pool house, and failing infrastructure make the pool a strong candidate for re-construction. Users are requiring a larger variety of features and family friendly water depths for both swimmers and non-swimmer clientele. The pool house is in need of complete change for safety standards and ADA accessibility for users.

**Expenditures:**

| Type                   | FY17 | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21     | Total<br>Cost      |
|------------------------|------|------|------|------|------|--------------------|--------------------|
| Design and Engineering |      |      |      |      |      | \$50,000           | \$50,000           |
| Construction           |      |      |      |      |      | 2,950,000          | 2,950,000          |
| <b>Total</b>           |      |      |      |      |      | <b>\$3,000,000</b> | <b>\$3,000,000</b> |

**Funding Sources:**

| Type       | FY17 | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|------------|------|------|------|------|------|----------------|---------------|
| Debt Issue |      |      |      |      |      | \$3,000,000    | \$3,000,000   |

**Operational Impact/Other:**

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. The debt service on this project at 5% interest over 20 years would be approximately \$303,000 per year.

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|   |  |
|---|--|
| <b>Department:</b><br>Recreation & Events | <b>Project Number and Title:</b><br>Recreation Center 11-P&R-003 |
|---|--|

**Contact:** David Callis

**Project Type:** Construction

**Useful Life:** 30+ years

**New Positions:** N/A

**Total Project Cost:** \$15,500,000



**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| A & E        |             |             |             |             |             | \$500,000              | \$500,000             |
| Construction |             |             |             |             |             | 15,000,000             | 15,000,000            |
| <b>Total</b> |             |             |             |             |             | <b>\$15,500,000</b>    | <b>\$15,500,000</b>   |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Debt Issue  |             |             |             |             |             | \$15,500,000           | \$15,500,000          |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |  |
|---|--|
| <b>Department:</b><br>Recreation & Events | <b>Project Number and Title:</b><br>South Lawson Park Bike Path 12-P&R-001 |
|---|--|

**Contact:** David Callis

**Project Type:** Construction: Recreational Amenities

**Useful Life:** 30+ years

**New Positions:** N/A

**Total Project Cost:** \$195,000



**Description:**

The phased development and construction of a bike/pedestrian path for South Lawson Park which will 1) accompany the new entrance road and 2) upon its phased completion surround the entirety of South Lawson Park, serving as both a walking and bike path for pedestrian traffic. The improvements would be a phased project to complete a total of nearly a mile to 1.5 miles of walking trail to encompass the pond areas, service road access areas in connection with the parking area and along ditch lines. The park is used frequently by fitness enthusiasts, walkers and runners. Path would vary in width from 5feet wide, to 8feet wide based on allowable space and park design for the respective areas.

**Justification:**

Although South Lawson has been renovated resulting in the creation of new athletic fields, a bike and walking path will provide additional recreational opportunities and access for pedestrians and bikers. This will ensure that South Lawson is maximized as a full-access park for enjoyment by all.

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction |             |             |             |             |             | \$195,000             | \$195,000            |

**Expenditures:**

**Funding Sources:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| General Fund |             |             |             |             |             | \$195,000             | \$195,000            |

**Operational Impact/Other:**

It is anticipated that the South Lawson bike path will require general maintenance in the near term. Although it will need to be repaved periodically operating costs for it should be low and will consist chiefly of general weeding of foliage near it and gravel replenishment near its edge.

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |  |
|---|--|
| <b>Department:</b><br>Recreation & Events | <b>Project Number and Title:</b><br>Firth Field Light Replacement 13-P&R-001 |
|---|--|

**Contact:** David Callis

**Project Type:** Athletic Field Light Replacement

**Useful Life:** 25+ years

**New Positions:** N/A

**Total Project Cost:** \$310,000

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction |             |             | \$310,000   |             |             |                       | \$310,000            |

**Funding Sources:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| General Fund |             |             | \$310,000   |             |             |                       | \$310,000            |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|   |  |
|---|--|
| <b>Department:</b><br>Recreation & Events | <b>Project Number and Title:</b><br>Messick Point Beach 13-P&R-002 |
|---|--|

**Contact:** Karen Holloway

**Project Type:** Beach/Living Shoreline

**Useful Life:** Indefinitely

**New Positions:** N/A

**Total Project Cost:** \$125,000

**Description:**

Install 4 breakwaters or marsh sills, re-establish vegetation in eroded areas and add sand to non-vegetated areas.

**Justification:**

Poquoson currently has no public beaches and the chosen site is conducive to such a project. The project could also give the City credit for some of the EPA water quality mandates.

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Construction | \$125,000   |             |             |             |             |                       | \$125,000            |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Debt        | \$125,000   |             |             |             |             |                       | \$125,000            |

**Operational Impact/Other:**

The debt service on this project at 5% interest over 20 years equates to annual payments of \$10,000.

**Operating Budget Impact:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|
| Debt Service | \$5,000     | \$10,000    | \$10,000    | \$10,000    | \$10,000    |

**Department:**  
**Economic Development & Community  
 Recreation**

**Project Number and Title:**  
**Public Fishing Pier at Messick Point 17-P&R-001**

**Contact:** David Callis

**Project Type:** Construction

**Useful Life:** 30+ years

**New Positions:**

**Total Project Cost:** \$600,000



**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| A & E        |             |             |             |             |             | \$ 20,000             | \$ 20,000            |
| Construction |             |             |             |             |             | 580,000               | 580,000              |
| <b>Total</b> |             |             |             |             |             | <b>\$600,000</b>      | <b>\$600,000</b>     |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Grant       |             |             |             |             |             | \$600,000             | \$600,000            |

**Operational Impact/Other:**

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

**Operating Budget Impact:**

Type                      FY17                      FY18                      FY19                      FY20                      FY21

|                                 |  |
|---------------------------------|--|
| <b>Department:</b><br>Utilities | <b>Project Number and Title:</b><br>Pump Station Generators 08-SWR-008 |
|---------------------------------|--|

**Contact:** Robert Speechley

**Project Type:** Equipment

**Useful Life:** 20 years

**New Positions:** N/A

**Total Project Cost:** \$316,000

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Equipment   | \$79,000    | \$79,000    | \$79,000    | \$79,000    |             |                       | \$316,000            |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Sewer Revenue | \$79,000    | \$79,000    | \$79,000    | \$79,000    |             |                       | \$316,000            |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

**Department:**  
Utilities

**Project Number and Title:**  
Sewer Cleaning Truck 08-SWR-007

**Contact:** Robert Speechley

**Project Type:** Maintenance

**Useful Life:** 15 years

**New Positions:** N/A

**Total Project Cost:** \$94,500



**Description:**

Purchase an additional sewer cleaning, high press, water jet rodder. This truck will augment the existing sewer cleaning truck that is a combination jet rodder and vacuum truck. The new truck is smaller and a jet cleaner only.

**Justification:**

The existing sewer cleaner is a very large truck that has limited access to homes located on many of Poquoson's smaller streets. This truck will also help lessen the mechanical burden of the larger truck. The need for two methods of cleaning pipes has always been met with a second truck. The existing second truck and cleaner is over 25 years old and is in need of a motor overhaul for the truck and cleaning unit.

**Expenditures:**

| Type      | FY17     | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|-----------|----------|------|------|------|------|----------------|---------------|
| Equipment | \$94,500 |      |      |      |      |                | \$94,500      |

**Funding Sources:**

| Type          | FY17     | FY18 | FY19 | FY20 | FY21 | Beyond<br>FY21 | Total<br>Cost |
|---------------|----------|------|------|------|------|----------------|---------------|
| Sewer Revenue | \$94,500 |      |      |      |      |                | \$94,500      |

**Operational Impact/Other:**

**Operating Budget Impact:**

| Type | FY17 | FY18 | FY19 | FY20 | FY21 |
|------|------|------|------|------|------|
|------|------|------|------|------|------|

|                                 |  |
|---------------------------------|--|
| <b>Department:</b><br>Utilities | <b>Project Number and Title:</b><br>Replacement of Power Supplies 11-SWR-001 |
|---------------------------------|--|

**Contact:** Robert Speechley

**Project Type:** Equipment

**Useful Life:** 20 years

**New Positions:** N/A

**Total Project Cost:** \$210,000

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Equipment   | \$42,000    | \$42,000    | \$42,000    | \$42,000    | \$42,000    |                       | \$210,000            |

**Funding Sources:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Cash        | \$42,000    | \$42,000    | \$42,000    | \$42,000    | \$42,000    |                       | \$210,000            |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                                 |  |
|---------------------------------|--|
| <b>Department:</b><br>Utilities | <b>Project Number and Title:</b><br>Maintenance Building Addition 15-SWR-001 |
|---------------------------------|--|

**Contact:** Robert Speechley

**Project Type:** Equipment

**Useful Life:** 25 years

**New Positions:** N/A

**Total Project Cost:** \$68,300

**Description:**

20' x 34' addition to the existing Utilities maintenance shop. This addition would include a 12' x 14' and a personnel service entrance to include additional heat and lighting.

**Justification:**

The department has a very limited amount of inside storage for equipment. The existing sewer cleaning truck is a large vehicle which must remain stored inside. The existing door openings have a limited amount of clearance when driving the truck inside and this creates a safety hazard.

**Expenditures:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Building    | \$68,300    |             |             |             |             |                       | \$68,300             |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Sewer Revenue | \$68,300    |             |             |             |             |                       | \$68,300             |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                                 |  |
|---------------------------------|--|
| <b>Department:</b><br>Utilities | <b>Project Number and Title:</b><br>Pump Station Equipment Upgrades 17-SWR-005 |
|---------------------------------|--|

**Contact:** Robert Speechley

OLD:

NEW:

**Project Type:** Equipment

**Useful Life:** 20 years

**New Positions:** N/A

**Total Project Cost:** \$270,000



**Description:**

Replacement of pumps and upgrading equipment at three pump stations, listed in priority order, - PS #1 (Park St), PS #4 (Lt Florida Rd), and PS #6 (Victory Blvd). This request also includes upgrading the pump control panels.

**Justification:**

Due to age and wear this equipment needs to be replaced. All three pump stations were built at the same time. Pump stations # 1 has already had major failures and short term repairs have been enacted. PS #2 which was built with the above pump was upgraded with the same type of equipment.

**Expenditures:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Equipment   | \$90,000    | \$90,000    | \$90,000    |             |             |                       | \$270,000            |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | Beyond<br><u>FY21</u> | Total<br><u>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| Sewer Revenue | \$90,000    | \$90,000    | \$90,000    |             |             |                       | \$270,000            |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|-------------|-------------|

|                                 |   |
|---------------------------------|---|
| <b>Department:</b><br>Utilities | <b>Project Number and Title:</b><br>Sanitary Sewer Consent Repairs 12-SWR-001 |
|---------------------------------|---|

**Contact:** Robert Speechley

**Project Type:** Utilities

**Useful Life:** 50 years

**New Positions:** N/A

**Total Project Cost:** \$2,100,000

**Description:**

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

**Justification:**

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

**Expenditures:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Construction | \$350,000   | \$350,000   | \$350,000   | \$350,000   | \$350,000   | \$350,000              | \$2,100,000           |

**Funding Sources:**

| <u>Type</u>   | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|---------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Sewer Revenue | \$350,000   | \$350,000   | \$350,000   | \$350,000   | \$350,000   | \$350,000              | \$2,100,000           |

**Operational Impact/Other:**

**Operating Budget Impact:**

| <u>Type</u>  | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|
| Debt Service |             |             |             |             |             |

## 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 16 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 17 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 16 years old and the accuracy is becoming suspect. Replacement parts are virtually unavailable for this unit.

**Genisys System:** This is the program that reads the cars “computer” for error codes.

| <u>Description</u>        | <u>FY17</u>     | <u>FY18</u>     | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|---------------------------|-----------------|-----------------|-------------|-------------|-------------|------------------------|-----------------------|
| Tire Changer              | \$14,500        |                 |             |             |             |                        | \$14,500              |
| Heavy Duty Tire Changer   |                 | 13,100          |             |             |             |                        | 13,100                |
| Heavy Duty Wheel Balancer |                 | 9,750           |             |             |             |                        | 9,750                 |
| Genisys System            | 5,000           |                 |             |             |             |                        | 5,000                 |
| Total Fleet Maintenance   | <u>\$19,500</u> | <u>\$22,850</u> |             |             |             |                        | <u>\$42,350</u>       |

## 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>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|--------------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Solid Waste Truck  | \$25,000    |             |             |             |             |                        | \$25,000              |

## Police

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

| <u>Type</u>            | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|------------------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Police Patrol Vehicles | \$38,000    | \$38,000    | \$38,000    | \$38,000    | \$38,000    |                        | \$190,000             |

## Facilities

City Hall Building Automation System: Replacement of current KMC energy control system at City Hall.

City Hall Roof: Replacement of shingled roof at City Hall.

Police Department Roof: Replacement of shingled roof at Police Department Building.

| <u>Description</u>         | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|----------------------------|-------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Building Automation System | \$5,000     |             |             |             |             |                        | \$5,000               |
| City Hall Roof             |             |             |             |             |             | 36,000                 | 36,000                |
| Police Department Roof     |             |             |             |             |             | 7,500                  | 7,500                 |
| Total Facilities           | \$5,000     |             |             |             |             | \$43,500               | \$48,500              |

## **Public Works**

Farm Tractor: Replacement existing Kubota Farm Tractor with Bush Hog. This is a tractor that is used to cut the larger tracts of land to include a lot of park areas such as Messick Point.

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.

Mosquito and Drainage ½ Ton Truck: Replacement of existing 1997 ¾ Ton Truck (regular).

Mosquito and Drainage Gator: Replacement of two existing 1997 John Deere Gators. This equipment is used for hauling material out of soft or low lying areas.

Park Maintenance Tractor: Replacement of 1996 Massey Ferguson with bucket used to move materials to ball fields as part of maintenance.

Park Maintenance Mower: Replacement of 2003 Toro Z Mower this is used in the everyday maintenance of our parks and ball fields.

Public Works Van – Replacement of 1993 Ford Aerostar this vehicle is used daily for transporting personnel to meetings and every day for Mosquito and Drainage inspections.

Mosquito and Drainage Gator: Replacement of two existing 1999 John Deere Gators. This equipment is used for hauling material out of soft or low lying areas.

Public Works Trailer: Replacement of a 2001 20 ton equipment trailer this trailer is used for hauling large equipment to and from jobsite. This trailer also to during our CDL training and testing.

Public Works Stone Spreader: Replacement of 1997 Highway Conveyor Stone Spreader this machine is used to spread stone on road shoulders after paving projects.

Public Works ¾ ton Pickup: 2001 Ford Crew Cab is used to haul materials and employees to and from jobsites.

Public Works Moulder Roller: 2006 Moulder Roller is used to compact asphalt, stone, sand, etc.

Public Works Sweeper: 2004 Terrimate Sweeper is used to sweep up material (gravel / dirt) after road work.

| <u>Type</u>                     | <u>FY17</u>     | <u>FY18</u>      | <u>FY19</u>     | <u>FY20</u>     | <u>FY21</u>     | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|---------------------------------|-----------------|------------------|-----------------|-----------------|-----------------|------------------------|-----------------------|
| Farm Tractor                    |                 | \$42,000         |                 |                 |                 |                        | \$42,000              |
| Parks Maintenance ¾ Ton Truck   |                 | 25,000           |                 |                 |                 |                        | 25,000                |
| Mosq & Drainage ½ Ton Truck     | \$24,000        |                  |                 |                 |                 |                        | 24,000                |
| Mosq & Drainage Gators          | 13,000          |                  |                 |                 |                 |                        | 13,000                |
| Parks Maintenance Tractor       |                 | 12,000           |                 |                 |                 |                        | 12,000                |
| Parks Maintenance Mowers        | 8,000           |                  |                 |                 |                 |                        | 8,000                 |
| Van                             |                 | 24,000           |                 |                 |                 |                        | 24,000                |
| Gator                           |                 | 13,000           |                 |                 |                 |                        | 13,000                |
| 20 Ton Equipment Trailer        |                 |                  | 29,000          |                 |                 |                        | 29,000                |
| Highway Conveyor Stone Spreader |                 |                  | 15,000          |                 |                 |                        | 15,000                |
| Public Works ¾ Ton Pickup       |                 |                  |                 | 38,000          |                 |                        | 38,000                |
| Moulder Roller                  |                 |                  |                 |                 | 12,000          |                        | 12,000                |
| Sweeper                         |                 |                  |                 |                 | 22,000          |                        | 22,000                |
| <b>Total Public Works</b>       | <b>\$45,000</b> | <b>\$116,000</b> | <b>\$44,000</b> | <b>\$38,000</b> | <b>\$34,000</b> |                        | <b>\$277,000</b>      |

Utilities Truck: Replacement of existing 2000 Chevy 2500 with over 160,000. This vehicle is used in the everyday maintenance of our Pump Stations and utility pipes.

Utilities Truck: Replacement of existing 2002 Ford F350 with over 171,000. This vehicle is used in the everyday maintenance of our Pump Stations and utility pipes.

## Utilities

| <u>Type</u>            | <u>FY17</u>     | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>FY21</u> | <u>Beyond<br/>FY21</u> | <u>Total<br/>Cost</u> |
|------------------------|-----------------|-------------|-------------|-------------|-------------|------------------------|-----------------------|
| Truck                  | \$40,000        |             |             |             |             |                        | \$40,000              |
| Truck                  | \$40,000        |             |             |             |             |                        | \$40,000              |
| <b>Total Utilities</b> | <b>\$80,000</b> |             |             |             |             |                        | <b>\$80,000</b>       |