

Stafford County, Virginia

FY 2014 — FY 2023

Adopted Capital Improvement Program





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CAPITAL IMPROVEMENT PROGRAM

This section provides information related to the Capital Improvement Program (CIP)"

The approved CIP was formulated using the more stringent debt limitations (3.0% debt to assessed value and 10.0% debt service to expenditures) as the Board works toward its goal of achieving a higher bond rating. This section includes an overview of the CIP program, a summary of all projects, and detailed sheets for all projects.



CAPITAL IMPROVEMENTS PROGRAM

County government provides needed and desired services to the public. In order to provide these services, the County must furnish and maintain capital facilities and equipment, such as roads, parks and schools. The Capital Improvement Program (CIP) is a proposed schedule for the expenditure of funds to acquire or construct needed improvements over the next ten-year period.

The CIP is an important component of the County's long range planning process. The first year of the CIP becomes the capital budget and the remaining years provide an estimated, but unfunded, cost of the proposed projects and their anticipated funding sources. The CIP is reviewed annually and the priorities re-evaluated based on conditions and requirements of the community.

Capital Improvement projects are items for which the purchase, construction, renovation, expansion, or the acquisition represents a public betterment and adds to the total physical worth of Stafford. Projects include, but are not limited to, expenditures for land, new structures, major repairs and renovations; maintenance of existing real property; and expenditures for machinery, equipment and vehicles. Each project should have a total cost of \$500,000 or more and a useful life of one year or more. Scope of project includes all professional services (land acquisition, legal, planning, design, project management) and construction costs.

Purpose and Benefits of Capital Programming are:

- Provides a budgeting tool which anticipates expenditure levels several years in advance to determine revenue needs and appropriate financing strategies;
- Provides a concise central source of information for citizens and land developers to accurately anticipate facilities in Stafford and to make their investment decisions accordingly;
- Assists in the implementation of the Comprehensive Plan; and
- Provides a sound and stable financial program.

Overall, the CIP provides a foundation for coordinating and managing programs and expenditures, and assisting the local government in maintaining an excellent level of service to the citizens of Stafford, now and in the future.



CAPITAL IMPROVEMENTS PROGRAM

Development of the Capital Improvement Program

The office of Finance and Budget provides information concerning the County's past, present and future financial resources. The department prepares and distributes the package utilized by departments and agencies to submit project requests. As the program develops, Finance and Budget also assists in the review and evaluation of project submissions.

Project Request

Each year, representatives of County departments, offices and agencies are asked to submit a Capital Improvements Project (CIP) request form. Projects are submitted to the Department of Finance and Budget to establish priorities and to suggest a schedule for implementation. The completed forms provide a detailed project description, justification, cost projections, and a statement of impact on the County's operating budget. The project request form also presents a connection to the County's policies and goals.

Projected costs are determined using historical or current costs for similar projects based on engineering or architectural estimates when available. A 3% average annual escalation assumption is included for general government. Schools projects incorporate 5% for all years up to FY 2017, then 3% each year after.

CIP Recommendation

The CIP committee evaluates the project requests individually to determine whether the project is appropriate. The recommendations of the CIP Committee are forwarded to the County Administrator. The County Administrator reviews the recommendations and prepares his recommended CIP.

Adoption of CIP

After considering the recommendation of the County Administrator, and following a public hearing, the Board of Supervisors adopts the CIP. The projects approved for funding in the current budget year become that year's Capital Budget. Those projects approved for funding in the subsequent years will serve as a guide to ongoing project planning and preparation of the following year's CIP.



CAPITAL IMPROVEMENTS PROGRAM

Project Approval

The CIP is adopted for planning purposes only. Approval of the CIP does not authorize issuance of debt or expenditure of funds.

Authority to proceed is granted by the Board on a project-by-project basis. For each individual project, the Board will be asked to take action which will:

1. approve the project,
2. approve the funding source, and
3. appropriate the project budget.

Impact of Capital Projects on the Operating Budget

The future fiscal impact on the operating budget is outlined in each capital project proposal. Each proposal includes an estimated impact on the operating budget.



CAPITAL IMPROVEMENTS PROGRAM

There are a number of different funding sources available for the various types of projects included in the Capital Improvements Program (CIP).

Bonds

Bonds are usually for projects requiring initial capital outlays which exceed current revenue available in the short term. Bonds include general obligation debt, which requires a referendum, as well as lease/revenue bonds, which require only authorization by the Board of Supervisors. Stafford County voters approved a \$70 million road bond referendum in November 2008 and a \$29 million Parks & Recreation bond referendum in November 2009. Future referenda are for additional transportation and parks projects in the later years of the planning period.

Virginia Public School Authority (VPSA) funds can only be used to support the construction of school facilities. Similarly, Literary Fund allocations, when available, can be designated to projects for new school construction.

Master Lease

Master Lease financing represents another source of capital financing to acquire equipment, vehicles, and technology purchases that have useful lives ranging from three to ten years. Master lease financing is very flexible, allowing the County to finance projects with minimal transaction costs and on an “as needed” basis over the term of the master lease. Because of the short-term maturities of master lease financing, interest rates are typically lower than rates on long-term bonds.

Debt Limitations

The financial policies define the County's maximum debt. As part of the efforts to improve the County's bond rating, the Board amended its financial policies in June 2012. Debt limitations are as follows:

- General obligation debt shall not exceed 3.5% of the assessed valuation of taxable real property, and shall not exceed 3% by July 1, 2015.
- General fund debt service expenditures (County and Schools) shall not exceed 11% of the general government and schools operating budgets and shall not exceed 10% by July 1, 2015.
- Debt ratios do not include debt to be repaid from identified revenue sources outside the General Fund. In the case of special service districts, the Board of Supervisors intends to set tax rates to cover any debt to be funded with the revenue.
- Capital lease debt service shall not exceed 1% of the general government budget. Capital lease debt may only be used if all the following four criteria are met:
 1. Capital lease purchase is eligible under state law for such financing;
 2. Useful life of the purchase equals or exceeds the term of the debt;
 3. Total purchase exceeds \$100,000; and
 4. Sufficient funds are available to service the capital lease debt.



CAPITAL IMPROVEMENTS PROGRAM FUNDING

The CIP was formulated to comply with the policy. New debt requires the County operating budget to absorb the increased debt service and any operating costs associated with the capital project. Prior to the issuance of any new debt, consideration will be given to current economic and budgetary conditions. The County is working to reduce reliance on debt by increase other types of funding for capital projects.

Current Revenues

The Board's Principles of High Performance Financial Management state "An amount equivalent to 1% of general fund expenditures will be set aside for pay-as-you-go capital projects." In keeping with the Board's intention to strengthen the County's financial position and enhance its bond rating, the FY2014-23 CIP increases General Fund cash capital to 3% by FY2018.

The CIP includes cash funded capital projects for all divisions. The School Board's Adopted CIP includes some cash funding for infrastructure projects. County staff recommends that the Schools follow the same good financial practice, increasing cash funding to 1% of operating fund budget (including grant funds). This would amount to approximately \$2.5 million annually. Schools have made some progress toward achieving this goal.

Other Revenue Sources

Other sources of revenue include State and Federal grants, private funds, transient occupancy taxes for tourism purposes, transportation service districts revenues, traffic impact fees and others. These funds are utilized to support a variety of projects. Transportation project timing has been planned to take maximum advantage of available state revenue sharing.

State and federal government funding can support any project depending on its availability. Resources from the Potomac Rappahannock Transportation Commission (PRTC), motor fuels taxes, are limited to transportation-related projects, while water and sewer availability fees and pro rata fees can only be utilized for water and sewer projects.



WHAT'S NEW?

The FY2014 - FY2023 CIP builds on the previously approved Capital Improvement Program. Many of the projects in this CIP were included in earlier plans. This year's plan includes some new projects, as well as some changes and updates to projects that were previously approved by the Board.

Funding

Future referenda are envisioned for additional transportation and parks projects in the later years of the planning period.

The Board's bond enhancement strategy includes reducing reliance on debt. To that end, the Board has reduced debt ratios. To further address this goal, the CIP increases the County's cash capital minimum from 1% to 3% of General Fund budget by FY2018.

New or Updated Projects

County Government

Economic Development

- Land acquisition
 - Funding is included for potential land purchase in redevelopment areas to be identified. The County would be in a position to take advantage of potential investment opportunities.

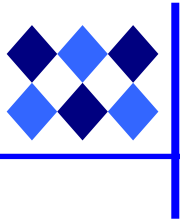
Public Safety

- Enhancement of E-9-1-1 phone system.

Parks and Recreation

- Reflects Board's plan for:
 - Chichester
 - Curtis Park pool improvements
 - Park at Embrey Mill to include fields and indoor recreation facility/pool
- Future projects:
 - St Clair Brooks
 - Duff McDuff Green
 - Mountain View
 - Patawomeck Phase 2
 - Pratt
 - Rocky Pen Run Reservoir

The CIP introduces a 60/20/20 recommended guideline for future parks funding: 60% for new fields; 20% for trails, playgrounds, dog parks, skate ramps, and other amenities; and 20% for maintenance.



WHAT'S NEW?

Transportation

- 2008 Transportation Referendum projects

Ten of the twenty projects are currently underway. Five additional projects are included in the CIP. All bond projects will be addressed, either by major re-construction or through selected safety improvements.

- Future projects:
 - Butler Road: improvements from the Falmouth intersection to Castle Rock Drive
 - Enon Road and Route 1 improvements
 - Eskimo Hill Road: two lane reconstruction between Route 1 and Potomac Run Road
 - Garrisonville Road & Route 1 Intersection improvements
 - Garrisonville Road: widening to six lanes from Eustace Road to Shelton Shop Road
 - Leeland Road: widening to three lanes from Deacon Road to Leeland Station
 - Mountain View Road: two lane upgrade between Shelton Shop Road and Choptank Road
 - Shelton Shop Road: reconstruction between Garrisonville Road and Mountain View Road
 - Stafford Parkway: a four lane limited highway from Centreport Parkway to Warrenton Road

Schools

- Renovation to Hartwood Elementary
- Bus parking at satellite locations

Proposal includes the CIP adopted by the School Board with some minor modifications:

- Timing of funding for Ferry Farm and Moncure Elementary Schools has been shifted to meet annual affordability limits. The total amount is unchanged and the project completion dates are unaffected.
- \$2M cash is allocated to the Stafford High School rebuild; these are funds from the VPSA refinancing proceeds due in FY2014.
- \$1M for fiber optics will be financed through the master lease instead of VPSA bonds.

Operating Costs

Additional pages have been added to highlight operating and debt service associated with the projects. Parks, Transportation and School project sheets reflect debt service for bonds that have been issued in prior periods for some multi-year projects.

Four new positions, two full-time and 2 part-time, will be needed to support the opening of new parks. The positions have been funded for half a year at a cost of \$79,000. Operating and maintenance costs are estimated at \$19,000 for half a year. One time start-up costs will be funded from our FY2013 PRO (positive results of operations). A slight increase to operating costs is expected as equipment storage facilities (infrastructure) come on line. These costs include maintenance, energy, and water. Total costs to the FY2014 operating budget is \$102,000.



SUMMARY OF ALL PROJECTS - ALL FUNDING SOURCES

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total This Period	Later Years Funding	Total Project Cost
Economic Development Redevelopment	0	7,000,000	0	0	0	0	0	0	0	0	0	7,000,000	0	7,000,000
Public Safety	1,000,000	3,103,000	4,879,000	3,447,000	7,642,500	2,194,000	2,725,000	7,915,000	2,967,000	4,092,000	5,163,000	44,127,500	5,157,000	50,284,500
Information Technology	0	200,000	100,000	100,000	100,000	100,000	100,000	200,000	100,000	100,000	200,000	1,300,000	0	1,300,000
Parks, Recreation and Community Facilities	4,711,000	20,725,000	6,339,000	1,055,000	2,474,000	11,540,000	2,743,000	1,456,000	5,497,000	11,389,000	1,819,000	65,037,000	0	69,748,000
Public Works	160,000	660,000	1,347,000	2,053,000	6,658,100	1,000,000	3,676,000	11,639,000	14,467,000	1,000,000	2,000,000	44,500,100	15,977,000	60,637,100
Transportation	35,829,500	44,723,767	34,544,400	30,114,867	32,310,000	26,912,294	19,574,294	28,137,000	24,900,000	11,270,000	31,400,000	283,886,622	73,900,000	393,616,122
Schools ¹	33,892,000	37,449,000	26,376,000	10,960,000	18,886,000	25,576,000	40,857,000	21,945,000	10,998,000	33,850,000	27,390,000	254,287,000	25,690,000	313,869,000
Project Total	\$75,592,500	\$113,860,767	\$73,585,400	\$47,729,867	\$68,070,600	\$67,322,294	\$69,675,294	\$71,292,000	\$58,929,000	\$61,701,000	\$67,972,000	\$700,138,222	\$120,724,000	\$896,454,722

Funding Summary	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total
County	\$19,580,000	\$9,745,000	\$12,081,869	\$17,820,699	\$17,166,294	\$11,473,695	\$22,487,000	\$24,717,000	\$17,884,000	\$10,016,000	\$162,971,557
Schools ¹	30,964,000	23,231,000	8,300,000	16,001,000	22,861,000	37,627,000	19,905,000	9,188,000	30,529,000	26,250,000	\$224,856,000
Bond	\$50,544,000	\$32,976,000	\$20,381,869	\$33,821,699	\$40,027,294	\$49,100,695	\$42,392,000	\$33,905,000	\$48,413,000	\$36,266,000	\$387,827,557
Service District Supported GO Bonds	2,280,000	3,590,478	0	0	0	0	16,800,000	0	0	0	22,670,478
Master Lease	3,303,000	3,905,000	2,173,000	2,171,500	1,294,000	1,332,000	2,162,000	1,983,000	2,294,000	2,103,000	22,720,500
Other Funding Sources	7,066,000	777,000	648,000	0	0	0	0	0	0	0	8,491,000
State/Federal	29,953,000	40,675,000	12,419,000	18,005,000	15,022,000	13,638,000	10,000,000	10,000,000	10,000,000	10,000,000	169,712,000
Cash Funded (County)	3,619,000	2,442,000	3,004,000	3,927,000	3,140,000	3,270,000	3,361,000	3,331,000	3,403,000	4,063,000	33,560,000
Cash Transportation Fund	4,412,556	2,338,000	2,591,631	0	470,000	2,000,000	4,437,000	1,200,000	1,270,000	0	18,719,187
Cash Funded (Schools)	6,485,000	3,145,000	2,660,000	2,885,000	2,715,000	3,230,000	2,040,000	1,810,000	3,321,000	1,140,000	29,431,000
	\$107,662,556	\$89,848,478	\$43,877,500	\$60,810,199	\$62,668,294	\$72,570,695	\$81,192,000	\$52,229,000	\$68,701,000	\$53,572,000	\$693,131,722

¹ \$2 million in VPSA savings has been applied to Stafford High School funding.

Operating Impacts Summary	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	79,000	448,000	466,000	539,000	2,394,000	2,492,000	2,600,000	2,703,000	4,155,000	4,150,000
Operating	23,000	499,000	168,000	241,000	606,000	502,000	550,000	1,943,000	1,876,000	2,715,000
Debt Service Bond (cumulative)	2,166,000	7,229,222	9,510,000	11,378,000	14,753,000	18,477,000	22,841,000	25,772,000	28,560,000	32,570,000
Debt Service Master Lease (cumulative)	0	454,000	1,140,000	1,428,000	1,716,000	1,888,000	2,065,000	1,930,000	2,193,000	2,497,000
Revenue/Savings	0	(184,000)	(186,000)	(191,000)	(194,000)	(197,000)	(201,000)	(255,000)	(259,000)	(263,000)
Total	\$2,268,000	\$8,446,222	\$11,098,000	\$13,395,000	\$19,275,000	\$23,162,000	\$27,855,000	\$32,093,000	\$36,525,000	\$41,669,000



SUMMARY OF BOND FUNDED PROJECTS

(Funding for these projects is subject to Board's Principles of High Performance Financial Management Debt Limitations)

Agency	Projects	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total This Period
Economic Development	Land Acquisition	6,000,000	0	0	0	0	0	0	0	0	0	6,000,000
Public Safety	F&R Station 14	0	0	425,000	4,597,000	0	0	0	0	0	0	5,022,000
	F&R Training Center	0	0	0	0	0	466,000	4,798,000	0	0	0	5,264,000
	F&R Station-Centreport	0	0	0	0	0	0	0	0	784,000	2,016,000	2,800,000
Parks, Recreation & Community Facilities	Chichester Park	5,500,000	0	0	0	0	0	0	0	0	0	5,500,000
	Curtis Park Pool	1,380,000	0	0	0	0	0	0	0	0	0	1,380,000
	Park at Embrey Mill	5,600,000	5,321,000	0	0	0	0	0	0	0	0	10,921,000
	Duff McDuff Green Park	0	0	0	850,000	5,500,000	0	0	0	0	0	6,350,000
	St. Clair Brooks Park	0	0	0	0	0	0	0	250,000	3,150,000	0	3,400,000
	Mountain View site	0	0	0	0	900,000	1,500,000	0	3,500,000	4,850,000	0	10,750,000
	Patawomeck phase II	0	0	0	600,000	4,000,000	0	0	0	0	0	4,600,000
	Pratt Park	0	0	0	0	0	0	0	500,000	2,100,000	0	2,600,000
	Rocky Pen Run Reservoir Park	0	0	0	0	0	0	250,000	0	0	0	250,000
	Animal Shelter	0	0	330,000	3,804,100	0	0	0	0	0	0	4,134,100
Public Works	Courthouse Addition	0	0	0	0	0	2,676,000	10,639,000	13,467,000	0	0	26,782,000
	Library #3	0	0	0	0	0	0	0	0	0	1,000,000	1,000,000
Transportation	Transportation Bonds	1,100,000	4,424,000	11,326,869	7,969,599	6,766,294	6,831,695	6,800,000	7,000,000	7,000,000	7,000,000	66,218,457
Subtotal County Projects		\$19,580,000	\$9,745,000	\$12,081,869	\$17,820,699	\$17,166,294	\$11,473,695	\$22,487,000	\$24,717,000	\$17,884,000	\$10,016,000	\$162,971,557
School Projects	Stafford HS	17,683,000	17,684,000	4,000,000	0	0	0	0	0	0	0	39,367,000
	Moncure ES	0	0	1,000,000	10,500,000	11,500,000	888,000	0	0	0	0	23,888,000
	Ferry Farm ES	0	0	0	0	1,000,000	11,000,000	12,500,000	588,000	0	0	25,088,000
	Career & Technical Ctr.	0	0	0	0	0	0	0	0	8,750,000	6,250,000	15,000,000
	Grafton Village ES	5,741,000	0	0	0	0	0	0	0	0	0	5,741,000
	Elem School #18	0	0	0	0	0	0	0	1,000,000	10,728,000	12,500,000	24,228,000
	Brooke Point HS	0	0	0	0	1,000,000	4,843,000	0	0	0	0	5,843,000
	Colonial Forge HS	0	0	0	0	1,000,000	6,947,000	0	0	0	0	7,947,000
	Mt. View HS	0	0	0	0	1,000,000	6,947,000	0	0	0	0	7,947,000
	Hartwood ES	0	0	0	0	0	0	0	0	0	500,000	500,000
	Fleet Services	0	0	0	0	0	0	0	750,000	4,051,000	0	4,801,000
	Infrastructure	7,540,000	5,547,000	3,300,000	5,501,000	7,361,000	7,002,000	7,405,000	6,850,000	7,000,000	7,000,000	64,506,000
Subtotal School Projects		\$30,964,000	\$23,231,000	\$8,300,000	\$16,001,000	\$22,861,000	\$37,627,000	\$19,905,000	\$9,188,000	\$30,529,000	\$26,250,000	\$224,856,000
Total All Projects		\$50,544,000	\$32,976,000	\$20,381,869	\$33,821,699	\$40,027,294	\$49,100,695	\$42,392,000	\$33,905,000	\$48,413,000	\$36,266,000	\$387,827,557
Bond Funded Summary (master lease not included)		FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total
County		\$19,580,000	\$9,745,000	\$12,081,869	\$17,820,699	\$17,166,294	\$11,473,695	\$22,487,000	\$24,717,000	\$17,884,000	\$10,016,000	\$162,971,557
Schools		30,964,000	23,231,000	8,300,000	16,001,000	22,861,000	37,627,000	19,905,000	9,188,000	30,529,000	26,250,000	224,856,000
Total Borrowes		\$50,544,000	\$32,976,000	\$20,381,869	\$33,821,699	\$40,027,294	\$49,100,695	\$42,392,000	\$33,905,000	\$48,413,000	\$36,266,000	\$387,827,557
Availability Limit		84,299,000	7,163,000	12,613,000	40,760,000	42,329,000	41,730,000	42,907,000	33,281,000	46,974,000	35,771,557	387,827,557
Cumulative (Deficit)/Surplus		33,755,000	7,942,000	173,131	7,111,432	9,413,138	2,042,443	2,557,443	1,933,443	494,443	-	



OPERATING IMPACTS

Relationship between the Operating and Capital Budgets

There are many elements that distinguish Stafford County's operating budget from its capital budget. The operating budget includes expenses that are generally recurring in nature and are appropriated for one year and provides for the provision of all County services.

The development and implementation of the County's capital budget are usually accompanied with on-going operating costs. A project could require additional expenses beyond those used to construct the facility such as additional personnel, start-up costs, equipment, operating expenses, and in some cases there can be cost savings. Resources for the operating budget are generally provided by taxes and/or user fees.

The County recognizes the need to link the capital and operating budgets together therefore, each project includes a section that identifies knowable operating budget impacts that will be incurred as a result of project implementation. These costs which include one-time start-up costs are incorporated into the County's operating budget and five year financial plan. The purpose of assessing and displaying these operating budget impacts is to:

- Present effect of approving projects in the ten-year span of the CIP
- Provide a basis for prioritization of projects in the CIP based on operating budget impacts
- Identify anticipated demands for operating increases or service delivery
- Display the relationship between CIP project cost and the timing of new or additional operating budget requirements as a result of the project completion

It is important to note that while transportation projects generally have operating costs such as maintenance, these costs are the responsibility of the Virginia Department of Transportation (VDOT) after the improvements are completed by the County in compliance with VDOT standards.

As presented in the following table the FY14-23 operating impact of the CIP is \$27.2 million.



OPERATING IMPACTS

Due to the impact of capital projects the FY14 operating budget will increase by \$102,000 and add two full-time positions. The additions are in the following departments:

Parks, Recreation and Facility Maintenance:

- Two new full-time positions will be needed for the new Chichester Park for half a year at a cost of \$79,000.
- Operating and maintenance costs are estimated at \$19,000 for half a year for Chichester Park.
- One time start-up costs will for chichester Park will be funded from our FY2013 PRO (positive results of operations).
- A slight increase of \$4,000 to operating is expected as equipment storage facilities (infrastructure) come on line. These fund the cost of maintenance, energy and water.
- Total costs to the FY2014 operating budget is \$102,000.

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total This Period
F&R Station 14	0	0	0	0	1,936,000	1,843,000	1,916,000	1,991,000	2,069,000	2,151,000	11,906,000
F&R Training Center	0	0	0	0	0	0	0	1,298,000	23,000	30,000	1,351,000
E-911 Phone System	0	0	0	0	0	99,000	101,000	103,000	105,000	108,000	516,000
Chichester Park	98,000	173,000	181,000	186,000	195,000	203,000	212,000	221,000	230,000	238,000	1,937,000
Curtis Park Pool	0	(10,000)	(10,000)	(11,000)	(11,000)	(11,000)	(11,000)	(11,000)	(11,000)	(11,000)	(97,000)
Park at Embrey Mill	0	510,000	163,000	171,000	179,000	189,000	197,000	206,000	217,000	227,000	2,059,000
Indoor Rec. Fac. at Embrey Mill	0	0	0	0	0	0	0	0	0	0	0
Infrastructure	4,000	8,000	21,000	24,000	25,000	25,000	29,000	30,000	33,000	34,000	233,000
Animal Shelter	0	0	0	0	251,000	175,000	186,000	192,000	199,000	206,000	1,209,000
Courthouse Addition	0	0	0	0	0	0	0	0	1,602,000	1,490,000	3,092,000
Stormwater	0	0	38,000	75,000	113,000	150,000	188,000	225,000	263,000	300,000	1,352,000
Belmont Ferry Farm Trail - Ph 4	0	82,000	55,000	57,000	59,000	62,000	67,000	69,000	72,000	75,000	598,000
Belmont Ferry Farm Trail - Ph 6	0	0	0	87,000	59,000	62,000	64,000	67,000	69,000	72,000	480,000
Elementary School #18									901,000	1,682,000	2,583,000
	\$102,000	\$763,000	\$448,000	\$589,000	\$2,806,000	\$2,797,000	\$2,949,000	\$4,391,000	\$5,772,000	\$6,602,000	\$27,219,000



DEBT SERVICE IMPACTS

The County's Capital Improvement Program was developed to comply with the Board of Supervisors' financial policies. The total FY14 General Fund Operating Budget for Debt Service for both County and Schools is \$38,901,516.

Bond Debt Service Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total This Period
Land Acquisition	0	502,000	502,000	502,000	502,000	502,000	502,000	502,000	502,000	502,000	4,518,000
F&R Station 14	0	0	0	36,000	421,000	421,000	421,000	421,000	421,000	421,000	2,562,000
F&R Training Center	0	0	0	0	0	0	39,000	440,000	440,000	440,000	1,359,000
F&R Station-Centreport	0	0	0	0	0	0	0	0	0	66,000	66,000
Chichester Park	151,000	614,222	603,000	590,000	574,000	558,000	541,000	525,000	506,000	493,000	5,155,222
Curtis Park Pool	27,000	108,000	106,000	104,000	101,000	98,000	96,000	93,000	90,000	87,000	910,000
Park at Embrey Mill	209,000	851,000	836,000	818,000	795,000	773,000	750,000	728,000	705,000	683,000	7,148,000
Duff McDuff Green Park	0	0	0	0	71,000	531,000	531,000	531,000	531,000	531,000	2,726,000
St. Clair Brooks Park	0	0	0	0	0	0	0	0	21,000	285,000	306,000
Mountain View	0	0	0	0	0	75,000	201,000	201,000	494,000	900,000	1,871,000
Patawomeck phase II	0	0	0	0	50,000	385,000	385,000	385,000	385,000	385,000	1,975,000
Pratt Park	0	0	0	0	0	0	0	0	42,000	218,000	260,000
Rocky Pen Run Reservoir	0	0	0	0	0	0	0	21,000	21,000	21,000	63,000
Animal Shelter	0	0	0	28,000	346,000	346,000	346,000	346,000	346,000	346,000	2,104,000
Courthouse Addition	0	0	0	0	0	0	224,000	1,114,000	2,241,000	2,241,000	5,820,000
Transportation Bonds	50,000	294,000	660,000	1,799,000	3,053,000	4,034,000	4,904,000	4,898,000	5,479,000	6,060,000	31,231,000
Stafford High School	1,480,000	3,251,000	4,730,000	5,068,000	5,068,000	5,068,000	5,068,000	5,068,000	5,068,000	5,068,000	44,937,000
Career & Tec Center	0	0	0	0	0	0	0	0	0	732,000	732,000
Ferry Farm Elem Rebuild	0	0	0	0	0	84,000	1,004,000	2,050,000	2,099,000	2,099,000	7,336,000
Moncure ES	0	0	0	84,000	963,000	1,925,000	1,999,000	1,999,000	1,999,000	1,999,000	10,968,000
Grafton Village ES	249,000	978,000	978,000	978,000	978,000	978,000	978,000	978,000	978,000	978,000	9,051,000
Elem School #18	0	0	0	0	0	0	0	0	84,000	982,000	1,066,000
Brooke Point HS	0	0	0	0	0	84,000	489,000	489,000	489,000	489,000	2,040,000
Colonial Forge HS	0	0	0	0	0	84,000	665,000	665,000	665,000	665,000	2,744,000
Mt. View HS	0	0	0	0	0	84,000	665,000	665,000	665,000	665,000	2,744,000
Fleet Services	0	0	0	0	0	0	0	0	63,000	402,000	465,000
Infrastructure	0	631,000	1,095,000	1,371,000	1,831,000	2,447,000	3,033,000	3,653,000	4,226,000	4,812,000	23,099,000
New Debt Service	\$2,166,000	\$7,229,222	\$9,510,000	\$11,378,000	\$14,753,000	\$18,477,000	\$22,841,000	\$25,772,000	\$28,560,000	\$32,570,000	
Existing Debt Service	\$35,026,000	\$33,995,000	\$32,872,000	\$32,102,000	\$31,007,000	\$29,674,000	\$27,975,000	\$26,215,000	\$25,304,000	\$23,398,000	
	\$37,192,000	\$41,224,222	\$42,382,000	\$43,480,000	\$45,760,000	\$48,151,000	\$50,816,000	\$51,987,000	\$53,864,000	\$55,968,000	

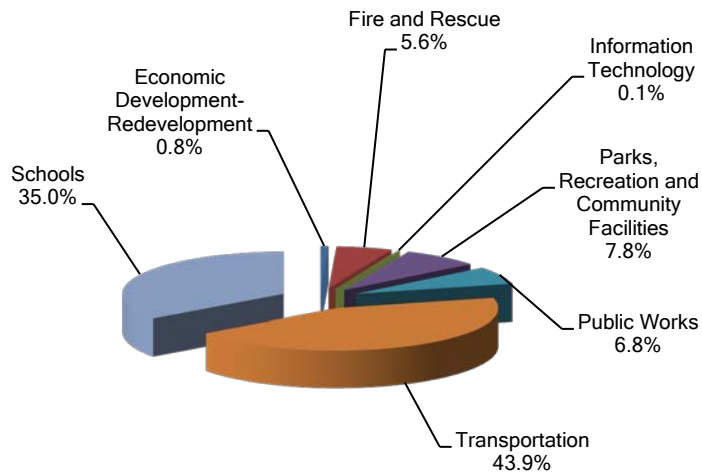
Master Lease Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total This Period
Replacement Apparatus	0	321,000	1,007,000	1,295,000	1,583,000	1,755,000	1,932,000	1,797,000	2,060,000	2,364,000	14,114,000
Fiber Optic	0	133,000	133,000	133,000	133,000	133,000	133,000	133,000	133,000	133,000	1,197,000
New Master Lease	\$0	\$454,000	\$1,140,000	\$1,428,000	\$1,716,000	\$1,888,000	\$2,065,000	\$1,930,000	\$2,193,000	\$2,497,000	
Existing Master Lease	1,709,516	2,067,155	2,067,115	2,067,115	2,067,115	1,179,145	1,179,145	1,179,145	428,000	428,000	
	\$1,709,516	\$2,521,155	\$3,207,115	\$3,495,115	\$3,783,115	\$3,067,145	\$3,244,145	\$3,109,145	\$2,621,000	\$2,925,000	
Total Debt	\$38,901,516	\$43,745,377	\$45,589,115	\$46,975,115	\$49,543,115	\$51,218,145	\$54,060,145	\$55,096,145	\$56,485,000	\$58,893,000	



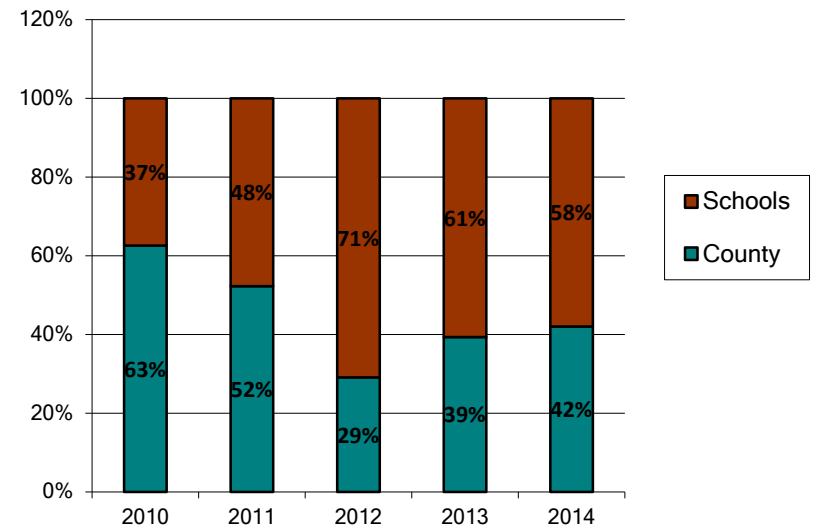
CAPITAL IMPROVEMENT PROGRAM PROJECT ALLOCATION CHARTS

The FY2014 - FY2023 Capital Improvement Program totals \$700,138,222 million, and includes projects for General Government, Schools, and Transportation. Transportation projects are those included in the Bond Referendum approved by County residents on November 4, 2008, as well as with other funding sources. Parks, Recreation and Community Facilities projects include those approved in the Bond Referendum approved on November 3, 2009.

This graph represents the allocation of funds for projects in the General Fund



This graph illustrates the percentage of bond funding allocated to County and Schools projects for fiscal years 2010 through 2014. The split between County and Schools vary with each CIP depending on the needs in that fiscal year



ECONOMIC DEVELOPMENT - REDEVELOPMENT

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
Land Acquisition	0	7,000,000	0	0	0	0	0	0	0	0	0	0	7,000,000
Total	\$0	\$7,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	502,000	502,000	502,000	502,000	502,000	502,000	502,000	502,000	502,000
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000

LAND ACQUISITION

Total Project Cost: \$7,000,000

Est. Opening Date: FY2014

PROGRAM DESCRIPTION

Potential land acquisition in the redevelopment areas yet to be identified.

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Comprehensive Plan
- Transportation Plan
- Economic Development 10 Point Plan

OPERATING IMPACT SUMMARY

No operating impacts are associated with this project

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	7,000,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$7,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	1,000,000	0	0	0	0	0	0	0	0	0
Bonds	0	6,000,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Grants	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$7,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	502,000	502,000	502,000	502,000	502,000	502,000	502,000	502,000	502,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000	\$502,000

PUBLIC SAFETY

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
Fire & Rescue Replacement Apparatus	0	2,953,000	3,077,000	3,022,000	3,045,500	2,194,000	2,259,000	3,117,000	2,967,000	3,308,000	3,147,000	0	29,089,500
Fire & Rescue Training Center	0	0	0	0	0	0	466,000	4,798,000	0	0	0	0	5,264,000
Fire & Rescue Station 14	1,000,000	0	0	425,000	4,597,000	0	0	0	0	0	0	0	6,022,000
Fire & Rescue Station - Centerport	0	0	0	0	0	0	0	0	0	784,000	2,016,000	5,157,000	7,957,000
E-911 System	0	150,000	1,802,000	0	0	0	0	0	0	0	0	0	1,952,000
Total	\$1,000,000	\$3,103,000	\$4,879,000	\$3,447,000	\$7,642,500	\$2,194,000	\$2,725,000	\$7,915,000	\$2,967,000	\$4,092,000	\$5,163,000	\$5,157,000	\$50,284,500

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	1,709,000	1,778,000	1,849,000	1,923,000	2,000,000	2,080,000
Operating	0	0	0	0	227,000	164,000	168,000	1,520,000	249,000	262,000
Debt Service	0	0	0	36,000	421,000	421,000	460,000	861,000	861,000	927,000
Debt Service Master Lease	0	321,000	1,007,000	1,295,000	1,583,000	1,755,000	1,932,000	1,797,000	2,060,000	2,364,000
Revenue	0	0	0	0	0	0	0	(51,000)	(52,000)	(53,000)
Total	\$0	\$321,000	\$1,007,000	\$1,331,000	\$3,940,000	\$4,118,000	\$4,409,000	\$6,050,000	\$5,118,000	\$5,580,000

REPLACEMENT APPARATUS

Total Project Cost: \$29,089,500

Est. Opening Date: On-going

Links to Board's
Strategic Initiatives

- Supports the Principles of High Performance Financial Management
- Response time

PROGRAM DESCRIPTION

Scheduled replacement due to age, mileage and/or engine hour indication will ensure the viability of the fire and rescue fleet. This program provides for the regular replacement of department apparatus based on service life estimates for each vehicle. This includes replacement of ambulances, engines, and specialty apparatus (ladders, heavy rescue apparatus, tankers, and/or boats). Typical service life is 15 years for boats and tankers; 10 years for engines, ladders, heavy rescues, and pumper/tankers; and five years for ambulances. This plan replaces only primary apparatus and supports fleet reduction by not replacing duplicate apparatus.

OPERATING IMPACT SUMMARY

There will be additional debt service for equipment purchased using the Master Lease. There will be no additional costs for the operating of the replacement equipment. A review of the department's fleet was conducted in FY13. The results of that review have been used to re-configure the apparatus replacement plan and continue efforts to downsize the fleet.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Ambulance	0	800,000	824,000	0	655,500	900,000	927,000	955,000	984,000	1,014,000	1,044,000
Engines	0	1,115,000	1,184,000	610,000	1,256,000	1,294,000	1,332,000	686,000	707,000	728,000	750,000
Specialty Apparatus	0	1,038,000	1,069,000	2,412,000	1,134,000	0	0	1,476,000	1,276,000	1,566,000	1,353,000
Total	\$0	\$2,953,000	\$3,077,000	\$3,022,000	\$3,045,500	\$2,194,000	\$2,259,000	\$3,117,000	\$2,967,000	\$3,308,000	\$3,147,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	800,000	824,000	849,000	874,000	900,000	927,000	955,000	984,000	1,014,000	1,044,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	2,153,000	2,253,000	2,173,000	2,171,500	1,294,000	1,332,000	2,162,000	1,983,000	2,294,000	2,103,000
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,953,000	\$3,077,000	\$3,022,000	\$3,045,500	\$2,194,000	\$2,259,000	\$3,117,000	\$2,967,000	\$3,308,000	\$3,147,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease	0	286,000	585,000	873,000	1,161,000	1,333,000	1,510,000	1,797,000	2,060,000	2,364,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$286,000	\$585,000	\$873,000	\$1,161,000	\$1,333,000	\$1,510,000	\$1,797,000	\$2,060,000	\$2,364,000

TRAINING CENTER

Total Project Cost: \$5,264,000

Est. Opening Date: 2021

PROGRAM DESCRIPTION

A training facility for the Fire and Rescue Department is needed to meet mandated live fire and multi-company training and to house the training props, equipment storage and repair functions of the department. This would replace the boat facility currently used by the Department and add the ability to conduct live fire and multi-company training. The proposed facility would be approximately 16,000 square feet. Project includes site development, classroom building, two vehicle maintenance bays, logistics support warehouse, construction of a drill tower with burn room and training props for technical rescue and water drafting and drivers training. The facility would provide the means to accomplish mandatory training for new and existing career and volunteer personnel. Operating our own facility would allow a convenient location that could be used on nights and weekends to meet the training demands of our volunteers.

[Links to Board's Strategic Initiatives](#)

- Response time improvement



OPERATING IMPACT SUMMARY

There would be one time start up costs for the facility to include instructional supplies such as smart boards, copy machine, fax machine, projectors, and computers. Other start up costs for the facility include kitchen and janitorial supplies. There will also be a need for a one time start up cost for the construction of a burn building. The burn building will be used for live fire training.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	466,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	4,798,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$466,000	\$4,798,000	\$0	\$0	\$0

We anticipate working with Quantico as a shared resource which could reduce County costs on the project.

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	466,000	4,798,000	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$466,000	\$4,798,000	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	1,349,000	75,000	83,000
Debt Service	0	0	0	0	0	0	39,000	440,000	440,000	440,000
Master Lease		0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	(51,000)	(52,000)	(53,000)
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$39,000	\$1,738,000	\$463,000	\$470,000

FIRE AND RESCUE STATION 14

Total Project Cost: \$6,022,000

Est. Opening Date: 2018

[Links to Board's Strategic Initiatives](#)

• Response time improvement

PROGRAM DESCRIPTION

The North County Fire and Rescue station will be located at 53 Shelton Shop Road in Stafford, Virginia. It is anticipated that this station would serve as a career staffed "hub" station.

OPERATING IMPACT SUMMARY

Funding for 18 new employees would be needed when operations begin. The 18 new employees are in addition to the 12 employees already stationed at the North County Fire and Rescue station. Current staffing is for an engine crew only. The additional employees would allow for the station to be fully staffed 24/7 with an engine, ladder, and medic unit. Required apparatus is currently in use throughout the County. No new apparatus would be needed. Prior funding includes \$1,000,000 for property acquisition. Property was purchased in FY11. There would also be a need for one time start up costs for the facility.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	425,000	0	0	0	0	0	0	0
Property Acquisition	1,000,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	4,378,000	0	0	0	0	0	0
Contingency	0	0	0	0	219,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,000,000	\$0	\$0	\$425,000	\$4,597,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	1,000,000	0	0	425,000	4,597,000	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,000,000	\$0	\$0	\$425,000	\$4,597,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	1,709,000	1,778,000	1,849,000	1,923,000	2,000,000	2,080,000
Operating	0	0	0	0	227,000	65,000	67,000	68,000	69,000	71,000
Debt Service	0	0	0	36,000	421,000	421,000	421,000	421,000	421,000	421,000
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$36,000	\$2,357,000	\$2,264,000	\$2,337,000	\$2,412,000	\$2,490,000	\$2,572,000

FIRE AND RESCUE STATION - CENTERPORT

Total Project Cost: \$7,957,000

Est. Opening Date: 2025

[Links to Board's Strategic Initiatives](#)

- Response time improvement
- Comprehensive Plan

PROGRAM DESCRIPTION

This facility would be constructed in order to meet fire and rescue service needs as suggested in the Comprehensive Plan. It would assist in reaching response time standards and Board identified service levels. As infill development occurs and density increases, the demand load on existing fire and rescue stations is expected to increase to a point where current fire and rescue stations can no longer serve developing areas of the County. This station would be needed to offset the impact of new development on the existing residents and businesses.

OPERATING IMPACT SUMMARY

Operating impacts associated with this project would begin beyond this planning period and include personnel, operating and one time start up costs.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	784,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	2,016,000
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$784,000	\$2,016,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	784,000	2,016,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$784,000	\$2,016,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	66,000
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$66,000

9-1-1 Phone System (Customer Premises Equipment / CPE)

Total Project Cost: \$1,952,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

This project would replace the current outdated E9-1-1 system with a geo-diverse Enhanced 9-1-1 (E9-1-1) Public Safety Answering Point (PSAP) system. The project includes equipment and installation for a geo-diverse ethernet system. The existing system was originally installed in 2002, with an upgrade with the transition to the new Public Safety Center in 2009. The current hardware and software platform is quickly approaching the generally accepted life expectancy of commercially available technology. Because of the age of the current hardware and to minimize the risk of hardware failures on a critical public safety system that operates 24 hours a day, 365 days a year, it is recommended this project be placed within the County's Capital Improvement Program. The work to be performed includes designing the components necessary for a properly functioning system, and the furnishing of all labor, materials, equipment, drawings, engineering, testing and training services necessary for the installation and deployment of the system and the network. It is anticipated that the selected vendor would provide warranty and two year maintenance and support services to maintain the ongoing functionality of the system after acceptance.

[Links to Board's Strategic Initiatives](#)

• Board of Supervisor's Priorities



OPERATING IMPACT SUMMARY

The first two years of maintenance are included in the cost of the system. Operating expenditures for this project would begin in FY19 and consist of maintenance and service costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	150,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	1,716,000	0	0	0	0	0	0	0	0
Contingency	0	0	86,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$150,000	\$1,802,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	150,000	1,652,000	0	0	0	0	0	0	0	0
Grants	0	0	150,000	0	0	0	0	0	0	0	0
Total	\$0	\$150,000	\$1,802,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	99,000	101,000	103,000	105,000	108,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease	0	35,000	422,000	422,000	422,000	422,000	422,000	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$35,000	\$422,000	\$422,000	\$422,000	\$521,000	\$523,000	\$103,000	\$105,000	\$108,000

Grant funds may be applied for through the Virginia E9-1-1 Services Board. Although 9-1-1 and/or customer premise equipment and telephony logging recorders are a high priority for funding through the grant program of the Board, the availability of funds fluctuates and there are no guarantees that a grant will be awarded. If a grant is awarded, the monies and project must be completed within twenty-four (24) months.

INFORMATION TECHNOLOGY SUMMARY

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
Information Technology Infrastructure	\$0	\$200,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$100,000	\$100,000	\$200,000	\$0	\$1,300,000
Total	\$0	\$200,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$100,000	\$100,000	\$200,000	\$0	\$1,300,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Debt Service Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

INFORMATION TECHNOLOGY INFRASTRUCTURE

Total Project Cost: \$1,400,000

Est. Opening Date: On-going

PROGRAM DESCRIPTION

Information Technology infrastructure should be upgraded as appropriate to maintain consistent service levels. The Stafford County IT Equipment and Risk Reduction Plan will assist with standardizing the operating environment with current versions of systems software and hardware. The implementation of new technology will reduce cost, improve efficiency, make maintenance and support considerably more efficient and minimize the number of problems with the operational environment.

The Server (Virtual Cluster) and SAN (Storage Area Network) replacement plan supports the replacement and maintenance of the County's central computing infrastructure. The systems are purchased with a four to five year warranty after which replacement would be recommended due to new technology and the demands of the application exceeding the capability of the existing hardware.

The County's risk reduction plan (which provides business continuity in the event of a computer room and or a network operation center disaster) involves hardware redundancy and geographical separation of critical systems and equipment. Redundancy of critical systems in the plan will be co-located in the County Administration and Public Safety buildings.

Links to Board's Strategic

- Information Technology Strategic Plan
- Principles of High Performance Financial Management



OPERATING IMPACT SUMMARY

There are no additional operating costs associated with this project.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Servers	0	0	60,000	50,000	40,000	0	0	0	60,000	100,000	0
Virtual Server Cluster	0	0	0	0	0	100,000	100,000	0	0	0	0
Network Backbone Equipment	0	200,000	0	0	0	0	0	200,000	0	0	200,000
WAN Remote Site Network	0	0	40,000	0	0	0	0	0	40,000	0	0
VoIP	0	0	0	50,000	0	0	0	0	0	0	0
San Storage	0	0	0	0	60,000	0	0	0	0	0	0
Total	\$0	\$200,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$100,000	\$100,000	\$200,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	200,000	100,000	100,000	100,000	100,000	100,000	200,000	100,000	100,000	200,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$100,000	\$100,000	\$200,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

INFORMATION TECHNOLOGY INFRASTRUCTURE

	Project Amount
FY2014 Projects	
Network Backbone Equipment Replacement for Public Safety Building	200,000
FY2014 Total	<u>\$200,000</u>
FY2015 Projects	
Server Replacement	60,000
WAN Remote Site Network Equipment Replacement	40,000
FY2015 Total	<u>\$100,000</u>
FY2016 Projects	
VoIP Phones	50,000
Server Replacement	50,000
FY2016 Total	<u>\$100,000</u>
FY2017 Projects	
SAN Storage Area	60,000
Server Replacement	40,000
FY2017 Total	<u>\$100,000</u>
FY2018 Projects	
Virtual Server Cluster Replacement Public Safety Bldg	100,000
FY2018 Total	<u>100,000</u>
FY2019 Projects	
Virtual Server Cluster Replacement Admin Bldg	200,000
FY2019 Total	<u>200,000</u>
FY2020 Projects	
Network Backbone Equipment Replacement Admin Bldg	200,000
FY2020 Total	<u>200,000</u>
FY2021 Projects	
WAN Remote Site Network Equipment Replacement	40,000
Server Replacement	60,000
FY2021 Total	<u>\$100,000</u>
FY2022 Projects	
Server Replacement	100,000
FY2022 Total	<u>\$100,000</u>
FY2023 Projects	
Network Backbone Equipment Replacement for Public Safety Building	200,000
FY2023 Total	<u>\$200,000</u>
Grand Total	<u><u>\$1,400,000</u></u>

PARKS, RECREATION AND COMMUNITY FACILITIES SUMMARY

2009 Bond Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
Chichester Park	3,632,000	5,500,000	0	0	0	0	0	0	0	0	0	0	9,132,000
Curtis Park Pool	140,000	1,380,000	0	0	0	0	0	0	0	0	0	0	1,520,000
Park at Embrey Mill	859,000	5,600,000	5,321,000	0	0	0	0	0	0	0	0	0	11,780,000
Total	\$4,631,000	\$12,480,000	\$5,321,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,432,000

Future Bond Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
Duff McDuff Green Park	80,000	140,000	0	0	850,000	5,500,000	0	0	0	0	0	0	6,570,000
St. Clair Brooks Park	0	0	0	0	0	0	0	0	250,000	3,150,000	0	0	3,400,000
Mountain View Site	0	0	0	0	0	900,000	1,500,000	0	3,500,000	4,850,000	0	0	10,750,000
Patawomeck Park	0	0	0	0	600,000	4,000,000	0	0	0	0	0	0	4,600,000
John Lee Pratt Park	0	0	0	0	0	0	0	0	500,000	2,100,000	0	0	2,600,000
Park at Rocky Pen Run Reservoir	0	0	0	0	0	0	0	250,000	0	0	0	0	250,000
	\$80,000	\$140,000	\$0	\$0	\$1,450,000	\$10,400,000	\$1,500,000	\$250,000	\$4,250,000	\$10,100,000	\$0	\$0	\$28,170,000

Other	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
Indoor Recreation Facility at Embrey Mill	0	6,926,000	0	0	0	0	0	0	0	0	0	0	6,926,000
Infrastructure	0	1,179,000	1,018,000	1,055,000	1,024,000	1,140,000	1,243,000	1,206,000	1,247,000	1,289,000	1,819,000	0	12,220,000
Total	0	8,105,000	1,018,000	1,055,000	1,024,000	1,140,000	1,243,000	1,206,000	1,247,000	1,289,000	1,819,000	0	19,146,000
Total all Projects	4,711,000	20,725,000	6,339,000	1,055,000	2,474,000	11,540,000	2,743,000	1,456,000	5,497,000	11,389,000	1,819,000	0	69,748,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	79,000	397,000	413,000	429,000	447,000	465,000	484,000	503,000	523,000	543,000
Operating	23,000	468,000	128,000	132,000	135,000	138,000	144,000	147,000	153,000	155,000
Debt Service	613,000	1,226,000	1,671,000	1,671,000	1,792,000	2,662,000	2,788,000	2,809,000	3,165,000	4,011,000
Revenue	0	(184,000)	(186,000)	(191,000)	(194,000)	(197,000)	(201,000)	(204,000)	(207,000)	(210,000)
Total	\$715,000	\$1,907,000	\$2,026,000	\$2,041,000	\$2,180,000	\$3,068,000	\$3,215,000	\$3,255,000	\$3,634,000	\$4,499,000

CHICHESTER PARK

Total Project Cost: \$9,132,000

Est. Opening Date: FY2014

PROGRAM DESCRIPTION

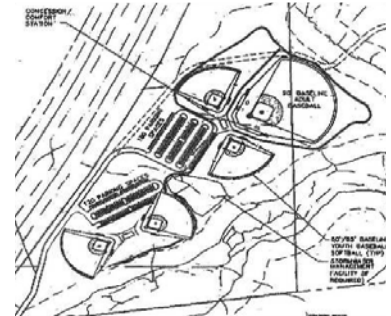
The Chichester Park project involves development of 37 acres of property adjacent to Stafford High School to include a 5 field cluster of lighted, irrigated baseball/softball fields. The recommended phase 1 would include the planning phase, 3-4 lighted baseball fields, scorers' facilities, parking adequate to hold tournaments, a maintenance facility with a large equipment storage area and meeting space and playground and picnic shelter(s). Due to the growth of the County and the needs of the community, additional park space for active recreation is necessary.

Links to Board's Strategic Initiatives

- Approved by the voters in the 2009 referendum
- Parks & Rec Commission

OPERATING IMPACT SUMMARY

Annual operating impact would include two additional full time and two part time maintenance workers to support the park's activities, for daily grooming of the infields, and to ensure that fields are ready as soon as possible after rain events. The level of care and maintenance of this new multi-field facility and the heavy use that is expected warrants the need for higher level of care than current park fields receive. One time start up costs would include field maintenance equipment and two vehicles. Operating costs for field maintenance and utilities would be partially offset by anticipated indirect revenues.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	632,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	310,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	2,690,000	5,000,000	0	0	0	0	0	0	0	0	0
Contingency	0	500,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$3,632,000	\$5,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	632,000	0	0	0	0	0	0	0	0	0	0
Bonds	3,000,000	5,500,000	0	0	0	0	0	0	0	0	0
Master Lease											
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$3,632,000	\$5,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	79,000	164,000	171,000	177,000	185,000	192,000	200,000	208,000	216,000	224,000
Operating	19,000	39,000	40,000	40,000	41,000	42,000	43,000	44,000	45,000	45,000
Debt Service	312,500	625,000	625,000	625,000	625,000	625,000	625,000	625,000	625,000	625,000
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	(30,000)	(30,000)	(31,000)	(31,000)	(31,000)	(31,000)	(31,000)	(31,000)	(31,000)
Total	\$410,500	\$798,000	\$806,000	\$811,000	\$820,000	\$828,000	\$837,000	\$846,000	\$855,000	\$863,000

CURTIS PARK POOL

Total Project Cost: \$1,520,000

Est. Opening Date: FY2014

PROGRAM DESCRIPTION

The pool facilities at Curtis Memorial Park were constructed in 1976 and have been deteriorating rapidly over the recent years. Issues include water leaks in the piping system, spalling of concrete at the main pool, and outdated restroom facilities. The purpose of this project is to extend the pool's useful life another 10 years. At the end of the 10 years, a complete replacement is envisioned. This project removes the diving platform, repairs the pool shell, replaces leaking piping, the gutter, pool plaster, and fencing.

[Links to Board's Strategic Initiatives](#)

- Approved by the voters in
- Parks & Rec Commission

OPERATING IMPACT SUMMARY

No increase in operating cost is expected as a result of this project. It is conceivable that operating and maintenance savings may be realized as a result of upgrading the facilities.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	140,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,254,000	0	0	0	0	0	0	0	0	0
Contingency	0	126,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$140,000	\$1,380,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	20,000	0	0	0	0	0	0	0	0	0	0
Bonds	120,000	1,380,000	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$140,000	\$1,380,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	63,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000	126,000
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	(10,000)	(10,000)	(11,000)	(11,000)	(11,000)	(11,000)	(11,000)	(11,000)	(11,000)
Total	\$63,000	\$116,000	\$116,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000

PARK AT EMBREY MILL

Total Project Cost: \$11,780,000

Est. Opening Date: FY2015

PROGRAM DESCRIPTION

This project consists of a 12 field rectangular field complex constructed on proffered land in the central part of the County. The fields would be lighted and irrigated. Some may be synthetic turf. A maintenance facility, playground(s), restrooms, picnic shelter(s), and concession are also envisioned. Parking adequate for tournaments would be included. Due to the growth of the County and the needs of the community, additional park space for active recreation and rectangular fields is necessary.

[Links to Board's Strategic Initiatives](#)

- Approved by the voters in
- Parks & Rec Commission

OPERATING IMPACT SUMMARY

The annual operating impact includes three additional full time and two part time park maintenance workers required to maintain this large facility. The level of care and maintenance of this new multi-field facility and the heavy use that is expected warrants the need for higher level of care than current park fields receive. One time start up costs for additional equipment to maintain the property and two vehicles. Operating costs for the facility and utilities are offset by anticipated direct and indirect revenues from rental of the site for tournaments, rentals of the proposed picnic shelter and revenue from concessions.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	859,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	5,100,000	4,846,000	0	0	0	0	0	0	0	0
Contingency	0	500,000	475,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$859,000	\$5,600,000	\$5,321,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	859,000	5,600,000	5,321,000	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$859,000	\$5,600,000	\$5,321,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	233,000	242,000	252,000	262,000	273,000	284,000	295,000	307,000	319,000
Operating	0	421,000	67,000	68,000	69,000	71,000	72,000	73,000	75,000	76,000
Debt Service	237,500	475,000	920,000	920,000	920,000	920,000	920,000	920,000	920,000	920,000
Revenue/Savings	0	(144,000)	(146,000)	(149,000)	(152,000)	(155,000)	(159,000)	(162,000)	(165,000)	(168,000)
Total	\$237,500	\$985,000	\$1,083,000	\$1,091,000	\$1,099,000	\$1,109,000	\$1,117,000	\$1,126,000	\$1,137,000	\$1,147,000

DUFF McDUFF GREEN PARK

Total Project Cost: \$6,570,000

Est. Opening Date: FY 2019

[Links to Board's Strategic Initiatives](#)

• Parks & Rec
Commission Facilities
Plan

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008, identified numerous land acquisition, new construction, and major renovation projects which were not included in the 2009 Parks Bond Referendum. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. Using current revenue, this project plans the long range use of approximately 125 acres of new parkland which was donated to the County in 2009 beside the existing Duff McDuff Green Park and the land owned by the University of Mary Washington. The plan for the new property should augment the amenities already constructed at the existing park as well as complement the facilities envisioned by the University. Access to all parcels will need to be addressed. The long term use of the house and the out buildings will be considered in the planning. The future park bond project could include: lighted synthetic turf fields, additional lighted, irrigated ballfields and, drainage improvements, updated signage, trail repairs, new trails, expanded parking, a fenced district maintenance facility, and other amenities yet to be determined by the master plan on the new property. This project includes the project management required to implement.



OPERATING IMPACT SUMMARY

If bond referenda are passed to fund future projects, recommendations in the Facilities Plan and some components of the Comprehensive Plan would be achieved. These park additions will improve customer service and provide more recreation opportunities to the citizens of Stafford. Renovations will extend the useful life of existing facilities. Projects like the maintenance facilities will preserve the equipment saving money in the long run. These maintenance facilities will provide places for equipment to be worked on during inclement weather and improve overall safety by reducing access by the public to the equipment. Operating costs and savings will occur as a result of implementing the bond referenda. Once projects have been established estimated operating impacts can be determined.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	80,000	127,000	0	0	765,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	13,000	0	0	85,000	5,013,000	0	0	0	0	0
Contingency	0	0	0	0	0	487,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$80,000	\$140,000	\$0	\$0	\$850,000	\$5,500,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	80,000	140,000	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	850,000	5,500,000	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$80,000	\$140,000	\$0	\$0	\$850,000	\$5,500,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	71,000	531,000	531,000	531,000	531,000	531,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$71,000	\$531,000	\$531,000	\$531,000	\$531,000	\$531,000

ST. CLAIR BROOKS PARK

Total Project Cost: \$3,400,000

Est. Opening Date: FY 2023

[Links to Board's Strategic Initiatives](#)

•Parks & Rec
Commission Facilities
Plan

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008, identified numerous land acquisition, new construction, and major renovation projects which were not included in the 2009 Parks Bond Referendum. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. This project could include: preparing a master plan for Brooks and Grizzle properties, regrade/topsoil sports fields, resurface the basketball courts, updated signage, dog park, improved and expanded parking, entrance and drainage improvements, accessible routes, renovated restrooms, improvements to the skate park, installation of new picnic shelters, and repairs to Shelton's Cottage. This project includes the project management required to implement.

OPERATING IMPACT SUMMARY

If bond referenda are passed to fund future projects, recommendations in the Facilities Plan and some components of the Comprehensive Plan would be achieved. These park additions will improve customer service and provide more recreation opportunities to the citizens of Stafford. Renovations will extend the useful life of existing facilities. Projects like the maintenance facilities will preserve the equipment, saving money in the long run. These maintenance facilities will provide places for equipment to be worked on during inclement weather and improve overall safety by reducing access by the public to the equipment. Once projects have been established estimated operating impacts can be determined.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	240,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	10,000	2,871,000	0
Contingency	0	0	0	0	0	0	0	0	0	279,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$3,150,000	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	250,000	3,150,000	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$3,150,000	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	21,000	285,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,000	\$285,000

MOUNTAIN VIEW SITE

Total Project Cost: \$10,750,000

Est. Opening Date: FY 2020

PROGRAM DESCRIPTION

Mountain View High School, Margaret Brent Elementary School and an age restricted housing unit have been built on what was known as the Armstrong Tract. Some areas of this County-owned parcel remain undeveloped and may be suitable for public recreation or park purposes. The Parks Facilities Plan, approved November 5, 2008, did not include this project but did indicate the need for more athletic fields. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. This project could include: master planning for park purposes available county-owned property adjacent to the two schools and developing the first phase of the master planned park amenities, which could include 6 lighted, irrigated sports fields (3 rectangular and 3 diamond), a restroom, a restroom/concession, signage, and parking. Implementation of this project envisions design in FY 2018 with construction to occur in two phases. The first phase is to construct rectangular fields on the former "YMCA" parcel. The remaining fields will be built as a second phase in the open area to the south and east of the two schools. This project includes the project management required to implement.

OPERATING IMPACT SUMMARY

If bond referenda are passed to fund future projects, recommendations in the Facilities Plan and some components of the Comprehensive Plan would be achieved. These park additions will improve customer service and provide more recreation opportunities to the citizens of Stafford. Renovations will extend the useful life of existing facilities. Projects like the maintenance facilities will preserve the equipment, saving money in the long run. These maintenance facilities will provide places for equipment to be worked on during inclement weather and improve overall safety by reducing access by the public to the equipment. Once projects have been established estimated operating impacts can be determined.



[Links to Board's Strategic Initiatives](#)

•Parks & Rec Commission Facilities Plan

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	874,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	26,000	1,370,000	0	3,500,000	4,850,000	0
Contingency	0	0	0	0	0	0	130,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$900,000	\$1,500,000	\$0	\$3,500,000	\$4,850,000	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	900,000	1,500,000	0	3,500,000	4,850,000	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$900,000	\$1,500,000	\$0	\$3,500,000	\$4,850,000	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	75,000	201,000	201,000	494,000	900,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$75,000	\$201,000	\$201,000	\$494,000	\$900,000

PATAWOMECK PARK

Total Project Cost: \$4,600,000

Est. Opening Date: FY 2019

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008, identified numerous land acquisition, new construction, and major renovation projects which were not included in the 2009 Parks Bond Referendum. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. This project could include: Phase 2 of development of the park to possibly include 3-4 additional lighted athletic fields, restrooms, picnic shelters, utility upgrades, updated signage, expanded parking, multi-purpose courts, dog park, group and individual picnic areas, primitive camp sites with restroom/shower building, trails, and a fenced maintenance facility. This project includes the project management required to implement.

[Links to Board's Strategic Initiatives](#)

•Parks & Rec Commission Facilities Plan

OPERATING IMPACT SUMMARY

If bond referenda are passed to fund future projects, recommendations in the Facilities Plan and some components of the Comprehensive Plan would be achieved. These park additions will improve customer service and provide more recreation opportunities to the citizens of Stafford. Renovations will extend the useful life of existing facilities. Projects like the maintenance facilities will preserve the equipment, saving money in the long run. These maintenance facilities will provide places for equipment to be worked on during inclement weather and improve overall safety by reducing access by the public to the equipment. Once projects have been established estimated operating impacts can be determined.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	583,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	17,000	3,646,000	0	0	0	0	0
Contingency	0	0	0	0	0	354,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$600,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	600,000	4,000,000	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$600,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	50,000	385,000	385,000	385,000	385,000	385,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$50,000	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000

JOHN LEE PRATT PARK

Total Project Cost: \$2,600,000

Est. Opening Date: FY 2023

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008, identified numerous land acquisition, new construction, and major renovation projects which were not included in the 2009 Parks Bond Referendum. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. This project could include: utility upgrades, regrade/topsoil of a portion of the sports fields, including irrigation, updated signage, renovate restrooms, add another restroom, improved and expanded parking, entrance improvements, and accessible routes. This project includes the project management required to implement.

Links to Board's Strategic Initiatives
•Parks & Rec Commission Facilities Plan

OPERATING IMPACT SUMMARY

If bond referenda are passed to fund future projects, recommendations in the Facilities Plan and some components of the Comprehensive Plan would be achieved. These park additions will improve customer service and provide more recreation opportunities to the citizens of Stafford. Renovations will extend the useful life of existing facilities. Projects like the maintenance facilities will preserve the equipment, saving money in the long run. These maintenance facilities will provide places for equipment to be worked on during inclement weather and improve overall safety by reducing access by the public to the equipment. Once projects have been established estimated operating impacts can be determined.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	485,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	15,000	1,914,000	0
Contingency	0	0	0	0	0	0	0	0	0	186,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$2,100,000	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	500,000	2,100,000	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$2,100,000	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	42,000	218,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42,000	\$218,000

PARK AT ROCKY PEN RUN RESERVOIR

Total Project Cost: \$250,000

Est. Opening Date: FY 2021

[Links to Board's Strategic Initiatives](#)

•Parks & Rec Commission
Facilities Plan

PROGRAM DESCRIPTION

The Rocky Pen Run Reservoir will be completed in the next few years. County-owned parcels of land adjacent to the lake may be suitable for public recreation or park purposes. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. This project could include: master planning for park purposes available county-owned properties adjacent to the reservoir and preliminary engineering. This project includes the project management required to implement.



OPERATING IMPACT SUMMARY

If bond referenda are passed to fund future projects, recommendations in the Facilities Plan and some components of the Comprehensive Plan would be achieved. These park additions will improve customer service and provide more recreation opportunities to the citizens of Stafford. Renovations will extend the useful life of existing facilities. Projects like the maintenance facilities will preserve the equipment, saving money in the long run. These maintenance facilities will provide places for equipment to be worked on during inclement weather and improve overall safety by reducing access by the public to the equipment. Once projects have been established estimated operating impacts can be determined.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	240,000	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	10,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	250,000	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	21,000	21,000	21,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,000	\$21,000	\$21,000

INDOOR RECREATION FACILITY AT EMBREY MILL

Total Project Cost: \$6,926,000

Est. Opening Date: FY2015

PROGRAM DESCRIPTION

Additional indoor pool space is needed to satisfy the demands for department programs, leisure swimming, and competitive swimming. The only other public covered pool is Woodlands Pool and it is maxed-out on capacity. This project involves constructing a new 60,000 SF indoor recreation facility that includes a 50M swimming pool. This facility will be constructed on County owned land. The building pad, parking and infrastructure to serve this new facility will be constructed with 2009 park bond funds identified in the Park at Embrey Mill project. Identified in the Facilities Plan approved November 5, 2008. An indoor swimming facility was identified as a project proposed in the 2009 park bond program.

Links to Board's Strategic Initiatives

- Approved by the voters in the 2009 referendum
- Parks & Rec Commission



OPERATING IMPACT SUMMARY

It is expected that the facility will be leased to an independent operator. The County would not incur operating costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	6,926,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$6,926,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/CPR	0	6,926,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$6,926,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease		0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Parks)

Total Project Cost: \$8,359,000

Est. Opening Date: On-going

[Links to Board's Strategic Initiatives](#)

- Principles of High Performance Financial Management

PROGRAM DESCRIPTION

Replace, repair or upgrade various County assets. See attached summary

OPERATING IMPACT SUMMARY

The increases are attributed to energy and water cost for equipment storage facilities, sport field lighting and irrigating Brooks Park and Rowser sports fields. Minimal increases in operating cost are expected as a result of new wayfinding signs and additional restrooms. Some operating and maintenance savings may be realized at other sites as a result of upgrading the facilities.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Roof Replacement/Repairs	0	187,000	0	0	0	0	0	0	0	0	0
Asphalt Repairs/Parking/Roads	0	0	0	20,000	0	135,000	221,000	651,000	0	0	0
ADA/Security/Master Plan	0	0	0	0	60,000	60,000	114,000	74,000	0	398,000	0
Building Replace/Repairs/AC	0	309,000	379,000	360,000	558,000	85,000	824,000	0	505,000	0	0
Fence, Trails, Field, Skate, Pool	0	0	0	347,000	272,000	411,000	62,000	378,000	501,000	404,000	1,044,000
Total	\$0	\$496,000	\$379,000	\$727,000	\$890,000	\$691,000	\$1,221,000	\$1,103,000	\$1,006,000	\$802,000	\$1,044,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	496,000	379,000	727,000	890,000	691,000	1,221,000	1,103,000	1,006,000	802,000	1,044,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$496,000	\$379,000	\$727,000	\$890,000	\$691,000	\$1,221,000	\$1,103,000	\$1,006,000	\$802,000	\$1,044,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	4,000	8,000	21,000	24,000	25,000	25,000	29,000	30,000	33,000	34,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$4,000	\$8,000	\$21,000	\$24,000	\$25,000	\$25,000	\$29,000	\$30,000	\$33,000	\$34,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Parks)

FY2014 Projects

	Project Amount
Courthouse Community Center Roof Ph 1	187,000
Maintenance Equipment Covered Storage Buildings and Fencing 2 Sites	309,000
FY2014 Total	\$ 496,000

FY2015 Projects

Courthouse Community Center Air Conditioning Replacement (small room units)	61,000
Maintenance Equipment Covered Storage Buildings and Fencing 2 Sites	318,000
FY2015 Total	379,000

FY2016 Projects

Addition to Curtis Shop	87,000
Smith Lake Foul Area	21,000
Shelton's Cottage siding and structural repair	71,000
Information Park Signs	46,000
Brooks Park Irrigation	105,000
Courthouse Community Center Acoustic Tile	37,000
Courthouse Community Center Parking Lot Repairs *	20,000
Woodlands Pool resurfacing	175,000
Maintenance Equipment Covered Storage Building and Fencing 1 Site	165,000
FY2016 Total	\$ 727,000

FY2017 Projects

Patawomeck security measures (partial)	60,000
Replace Aquia Landing restrooms	177,000
Add splash pad at a community park	272,000
Replace 3 picnic shelters Brooks Park	381,000
FY2017 Total	\$ 890,000

FY2018 Projects

Abel Lake pave entrance	20,000
Foundation Repair at Carl Lewis Community Center	85,000
Brooks skate park resurface and additional skate park elements	271,000
Rowser diamond field lights *	145,000
Curtis Park master plan	60,000
Smith Lake bleachers for turf fields	111,000
FY2018 Total	\$ 692,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Parks)

FY2019 Projects

Willowmere resurface parking lot	149,000
Woodlands air exchanger	81,000
Woodlands expand /upgrade bath house/locker room	639,000
Curtis renovate shelter 4 & 6 restrooms	68,000
Video surveillance systems in numerous parks	114,000
Duff upgrade overlook	62,000
Shelton Cottage foundation repair	36,000
Parking improvements for emergency access	72,000
FY2019 Total	\$ 1,221,000

FY2020 Projects

Replace fence at various diamond fields *	246,000
Duff expand parking lot	614,000
Rowser irrigation diamond field	27,000
Aquia Landing road patch repair	37,000
Duff expand trails	105,000
Smith Lake additional walks and security measures	74,000
FY2020 Total	\$ 1,103,000

FY2021 Projects

Curtis replace skate park	501,000
Curtis Restroom for shelter #7	505,000
FY2021 Total	\$ 1,006,000

FY2022 Projects

ADA accessibility upgrades within parks and park facilities	398,000
Willowmere rectangle field lights	404,000
FY2022 Total	\$ 802,000

FY2023 Projects

Smith Lake field #1 turf replacement *	522,000
Smith Lake field #2 turf replacement *	522,000
FY2023 Total	\$ 1,044,000

* Projects not included in the Facilities Capital Needs Project List

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Governmental)

Total Project Cost: \$3,861,000

Est. Opening Date: On-going

[Links to Board's Strategic Initiatives](#)

- Principles of High Performance Financial Management

PROGRAM DESCRIPTION

Replace, repair or upgrade various County assets. See attached summary

OPERATING IMPACT SUMMARY

Cost savings are from energy savings resulting from the newer more efficient equipment being installed. Cost impacts result from new mechanical units being installed where none exist now and maintaining newly installed landscaping.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
HVAC/Energy Management	0	0	154,000	295,000	0	61,000	0	34,000	241,000	262,000	232,000
Roof Replace/Repairs	0	216,000	18,000	33,000	0	204,000	0	0	0	0	0
Asphalt Repairs	0	467,000	467,000	0	90,000	85,000	0	69,000	0	225,000	49,000
ADA/Security	0	0	0	0	0	0	0	0	0	0	0
Building Replace/Repairs	0	0	0	0	0	0	0	0	0	0	410,000
Carpet, Elevator, Site Imp.	0	0	0	0	44,000	99,000	22,000	0	0	0	84,000
Total	\$0	\$683,000	\$639,000	\$328,000	\$134,000	\$449,000	\$22,000	\$103,000	\$241,000	\$487,000	\$775,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	683,000	639,000	328,000	134,000	449,000	22,000	103,000	241,000	487,000	775,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$683,000	\$639,000	\$328,000	\$134,000	\$449,000	\$22,000	\$103,000	\$241,000	\$487,000	\$775,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Governmental)

FY2014 Projects

Government Center Parking Lot Repairs Ph 1	\$467,000
Porter Library Roof Replacement	216,000
FY2014 Total	\$683,000

FY2015 Projects

Company 12 (Berea) Energy Management System	\$68,000
Company 10 (Potomac Hills) Air Conditioner Replacement	\$18,000
Company 2 (Stafford) Energy Management System	\$68,000
Training and Logistics Center Roof Repairs	\$18,000
Government Center Parking Lot Repairs Ph 2	\$467,000
FY2015 Total	\$639,000

FY2016 Projects

Rowser and Annex Roof Replacement	\$33,000
Rowser and Annex Air Conditioner Replacement	295,000
FY2016 Total	\$328,000

FY2017 Projects

Courthouse Carpet Replacement Ph 1	\$44,000
Porter Library Parking Lot Repairs	\$90,000
FY2017 Total	\$134,000

FY2018 Projects

Company 12 (Berea) Site Improvements	\$21,000
Tower Sites Air Conditioners	\$21,000
Courthouse Roof Replacement	\$204,000
Public Safety Building Site Improvements	\$35,000
Company 10 (Potomac Hills) Exhaust System	\$40,000
Courthouse Carpet Replacement Ph 2	\$43,000
Company 12 (Berea) Parking Lot Repairs	\$45,000
Company 2 (Stafford) Parking Lot Repairs	40,000
FY2018 Total	\$449,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Governmental)

FY2019 Projects

Courthouse Square Office Carpet Replacement	\$22,000
FY2019 Total	\$22,000

FY2020 Projects

Rowser Building Parking Lot Repairs	69,000
Chatham Square Office Park Air Conditioner Replacement	34,000
FY2020 Total	103,000

FY2021 Projects

Public Safety Air Conditioner Replacement	\$241,000
FY2021 Total	\$241,000

FY2022 Projects

England Run Library Parking Lot Repairs	58,000
Potomac Hills Parking Lot Repairs	44,000
Public Safety Building Parking Lot Repairs	123,000
Public Safety Air Conditioner Replacement	262,000
FY2022 Total	487,000

FY2023 Projects

Boilers Replacement in Administration Bldg and Courthouse	\$143,000
Health Department Air Conditioner Replacement	\$50,000
Courthouse Carpet Replacement	\$50,000
Pressure Wash & Paint Administration Building	\$123,000
Pressure Wash & Paint Courthouse	\$123,000
Furniture Replacement Courthouse	\$34,000
Garage/Storage Building	\$130,000
Fire Stations - AC Replacements	\$39,000
Fire Stations - Parking Lot Repairs	\$49,000
Fire Stations - Carpet Replacements	\$34,000
FY2023 Total	\$775,000

PUBLIC WORKS SUMMARY

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
Animal Shelter	0	0	0	330,000	4,733,100	0	0	0	0	0	0	0	5,063,000
Courthouse Addition	0	0	0	0	0	0	2,676,000	10,639,000	13,467,000	0	0	0	26,782,000
Library	0	0	0	0	0	0	0	0	0	0	1,000,000	15,977,000	16,977,000
Bike Trails	0	80,000	567,000	648,000	0	0	0	0	0	0	0	0	1,295,000
Belmont Ferry Farm Trail - Phase 4	160,000	280,000	280,000	0	0	0	0	0	0	0	0	0	720,000
Belmont Ferry Farm Trail - Phase 6	0	0	0	75,000	925,000	0	0	0	0	0	0	0	0
Stormwater Permit Compliance	0	300,000	500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	0	8,800,000
Total	\$160,000	\$660,000	\$1,347,000	\$2,053,000	\$6,658,100	\$1,000,000	\$3,676,000	\$11,639,000	\$14,467,000	\$1,000,000	\$2,000,000	\$15,977,000	\$59,637,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	51,000	53,000	110,000	238,000	249,000	267,000	277,000	1,632,000	1,527,000
Operating	0	31,000	40,000	109,000	244,000	200,000	238,000	276,000	573,000	616,000
Debt Service	0	0	0	28,000	346,000	346,000	570,000	1,460,000	2,587,000	2,587,000
Debt Service Master Lease										
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$82,000	\$93,000	\$247,000	\$828,000	\$795,000	\$1,075,000	\$2,013,000	\$4,792,000	\$4,730,000

ANIMAL SHELTER

Total Project Cost: \$5,063,000

Est. Opening Date: FY2018

[Links to Board's Strategic Initiatives](#)

- Conformance to state guidelines

PROGRAM DESCRIPTION

A new and modern animal shelter and animal control facility. Building will meet or exceed state guidelines for a municipal pound. Building will include a spay/neuter clinic, separate isolation rooms for different species. Separate pens for adoptable, healthy animals and sick and quarantined animals. The Facility will have sufficient office space to include dispatch/communications room, officers space, crematorium, cleaning stations, sally port and shelter staff space. Reception area will be of sufficient size for animal intake and drop off. Facility will be designed especially to house animals and will be properly ventilated, drained, lighted, and sized. Animal confinement areas will be constructed properly to prevent the spread of disease and be pleasing to the public while visiting the facility. Parking area will be sufficient to allow for the volume of visitors. The facility will be designed to allow for a future expansion to include larger holding areas for animals and a sally port for secure transport of animals. Facility will be placed on 5 acres of a 38 acre County owned parcel adjacent to the Regional Jail. Cost of Animal Shelter will be offset by revenue from R-Board for building and land value.



OPERATING IMPACT SUMMARY

Operating impacts include new personnel, one time start up costs and additional maintenance and operating costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	330,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	4,733,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$330,000	\$4,733,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	929,000	0	0	0	0	0	0
Bonds	0	0	0	330,000	3,804,100	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$330,000	\$4,733,100	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	124,000	129,000	140,000	145,000	151,000	157,000
Operating	0	0	0	0	127,000	46,000	46,000	47,000	48,000	49,000
Debt Service	0	0	0	28,000	346,000	346,000	346,000	346,000	346,000	346,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$28,000	\$597,000	\$521,000	\$532,000	\$538,000	\$545,000	\$552,000

COURTHOUSE ADDITION

Total Project Cost: \$26,782,000

Est. Opening Date: FY2019

[Links to Board's Strategic Initiatives](#)

- 2004 space needs assessment

PROGRAM DESCRIPTION

Construction of a 40,000 square foot expansion to the existing Courthouse to provide three additional courtrooms for the County's Courts, Clerk's Offices and prisoner holding. The 2004 comprehensive County-wide space needs assessment revealed that Stafford Courts' current space of 45,247 net square feet (NSF) is 29,089 NSF less than the current need; 54,323 NSF less than the 10-year need and 100,721 NSF less than the 20-year need. The project consists of renovations to the existing courtroom and office space, along with site improvements to provide for prisoner transfer accommodations, significant ADA upgrades and minimal parking improvements.

OPERATING IMPACT SUMMARY

Operating costs assumes three additional courtrooms will be in operation. Start up costs include expenses for computers, phones, metal detector and 14 new employees. Ongoing costs include 11 deputies and 1 sergeant for the Sheriff's department. 1 maintenance mechanic II and 2 custodians for Parks, Recreation and Community Facilities department. As courtrooms are added additional personnel would be needed.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	2,662,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	14,000	10,639,000	10,642,000	0	0
Contingency	0	0	0	0	0	0	0	0	2,825,000	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$2,676,000	\$10,639,000	\$13,467,000	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	2,676,000	10,639,000	13,467,000	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$2,676,000	\$10,639,000	\$13,467,000	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	1,344,000	1,227,000
Operating	0	0	0	0	0	0	0	0	258,000	263,000
Debt Service	0	0	0	0	0	0	224,000	1,114,000	2,241,000	2,241,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$224,000	\$1,114,000	\$3,843,000	\$3,731,000

Central Rappahannock Regional Library #3

Total Project Cost: \$16,977,000

Est. Opening Date: FY2024

[Links to Board's Strategic Initiatives](#)

• Comprehensive Plan

PROGRAM DESCRIPTION

The CRRL Board of Trustees is recommending the opening of a new 30,000 sq. ft. branch library in the Courthouse area of the County to meet current unmet demands and to accommodate projected new population growth. Stafford County will require a new facility to be constructed in the Courthouse area as an integral component of the Courthouse UDA/RDA development plan. High demand for books, programming, meeting rooms, computers and other library services at the Porter and England Run libraries will need to be relieved by the construction of a third library facility in the developing residential/commercial Courthouse area. The facility will be needed to keep pace with population growth and the development of core infrastructure by Stafford County to provide comprehensive education and quality of life opportunities for all County residents.



OPERATING IMPACT SUMMARY

No operating costs are associated with the project in this planning period.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	1,058,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	2,349,000
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,058,000	\$2,349,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	1,000,000
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BIKE TRAILS

Total Project Cost: \$1,295,000

Est. Opening Date: 2017

[Links to Board's Strategic Initiatives](#)

• Comprehensive Plan

PROGRAM DESCRIPTION

Stafford County entered into an agreement with the Federal Highway Administration to build bike trails along Warrenton Road parallel to the upgrades conducted by the Virginia Department of Transportation. These trails will be built parallel to Warrenton Road a safe distance from traffic, near South gateway drive to Plantation and continuing on to Stafford Lakes Parkway. The funds for this project will come from service district fees.



OPERATING IMPACT SUMMARY

No operating impacts are associated with this project. Once completed, ownership of this project will be transferred to VDOT.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	80,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	567,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	648,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$80,000	\$567,000	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Service District	0	80,000	567,000	648,000	0	0	0	0	0	0	0
Transportation	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$80,000	\$567,000	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BELMONT FERRY FARM TRAIL - PHASE 4

Total Project Cost: \$720,000

Est. Opening Date: FY2015

[Links to Board's Strategic Initiatives](#)

• Comprehensive Plan

PROGRAM DESCRIPTION

Phase 4 of the Belmont Ferry Farm trail will be constructed along River Road, from the termination point of the existing phase 1 and 2 trails. The trail will be built on the north side of River Road within John Lee Pratt Memorial Park to the south side of River Road, adjacent to the Chatham Bridge. Between those points the trail runs west to east for about 2,100 linear feet. The trail is mostly parallel to River Road (1,800 LF) on the south side of the road with a roadway crossing (on-grade) near the western boundary of the Fredericksburg and Spotsylvania National Military Park (Chatham Manor).



OPERATING IMPACT SUMMARY

Annual operating impact includes one additional full time park maintenance worker and one time start up costs for equipment to maintain trails.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	160,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	280,000	280,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$160,000	\$280,000	\$280,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Grants	160,000	220,000	220,000	0	0	0	0	0	0	0	0
Other	0	60,000	60,000	0	0	0	0	0	0	0	0
Total	\$160,000	\$280,000	\$280,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	51,000	53,000	55,000	57,000	60,000	65,000	67,000	70,000	73,000
Operating	0	31,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$82,000	\$55,000	\$57,000	\$59,000	\$62,000	\$67,000	\$69,000	\$72,000	\$75,000

BELMONT FERRY FARM TRAIL - PHASE 6

Total Project Cost: \$1,000,000

Est. Opening Date: FY2017

PROGRAM DESCRIPTION

The project consists of constructing a portion of the Belmont-Ferry Farm Trail. The target segment is phase 6 from the Chatham Bridge to Ferry Farm. Trails are the highest use need as identified by County residents. Design of Phase 6 of the Belmont-Ferry Farm Trail is at the conceptual stage. This project will complete the design, permitting and construction of Phase 6. Identified as a project proposed in the 2009 park bond program. Staff is working to secure grant funding for this entire project.

Links to Board's Strategic Initiatives

- Approved by the voters in the 2009 referendum
- Parks & Rec Commission Facilities Plan



OPERATING IMPACT SUMMARY

Annual operating impact includes one additional full time park maintenance worker position and one time start up costs for equipment to maintain trails.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	75,000	300,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	569,000	0	0	0	0	0	0
Contingency	0	0	0	0	56,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$75,000	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	75,000	925,000	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$75,000	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	55,000	57,000	60,000	62,000	65,000	67,000	70,000
Operating	0	0	0	32,000	2,000	2,000	2,000	2,000	2,000	2,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$87,000	\$59,000	\$62,000	\$64,000	\$67,000	\$69,000	\$72,000

CHESAPEAKE BAY TMDL/MS4 STORMWATER PERMIT COMPLIANCE

Total Project Cost: \$8,800,000

Est. Opening Date: 2013-2022

PROGRAM DESCRIPTION

The U.S. Environmental Protection Agency (EPA) in coordination with the Virginia Department of Conservation and Recreation is developing a Total Maximum Daily Load (TMDL) for the Chesapeake Bay. The TMDL was finalized by EPA on December 31, 2010. The TMDL established a "pollution diet" for the entire Chesapeake Bay watershed to address pollution from nutrients and sediment and require localities to implement water quality improvements to meet water quality standards for the Bay. EPA has identified the retrofit of previously developed land for water quality controls as a key component of the TMDL. It is anticipated that the County's MS4 Stormwater Permit will contain retrofit mandates on a phased basis over 15 years. Retrofits will include construction of new stormwater management facilities and upgrades to existing facilities to meet quality standards. For the first five-year period, the County will be expected to retrofit 5% of the requirement, 30% in the second five-year period, and 65% in the third five-year period. Cost share funding from the U.S. Army Corps of Engineers may be available to lower future Planning/Design costs.

Links to Board's Strategic Initiatives

- Compliance with Chesapeake Bay TMDL
- Compliance with NPDES MS4 Stormwater Discharge Permit



OPERATING IMPACT SUMMARY

Operating costs will begin with completion of the construction of the first facilities. The stormwater retrofits will be located on both public and private properties. It is assumed that the County will be responsible for the operation and maintenance (O&M) of retrofit facilities. Annual O&M costs were estimated to be 5% of the total cost of facilities constructed to date.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	300,000	500,000	500,000	500,000	500,000	500,000	250,000	250,000	250,000	250,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	500,000	500,000	500,000	500,000	750,000	750,000	750,000	750,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$300,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	300,000	500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$300,000	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	38,000	75,000	113,000	150,000	188,000	225,000	263,000	300,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$38,000	\$75,000	\$113,000	\$150,000	\$188,000	\$225,000	\$263,000	\$300,000

TRANSPORTATION SUMMARY

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
(11) Route 610, Garrisonville Rd (PPTA)	1,370,000	6,197,739	0	6,197,739	0	0	0	0	0	0	0	0	13,765,478
(18) Route 652, Truslow Rd, East of I-95	0	0	0	0	1,500,000	7,136,294	7,136,294	0	0	0	0	0	15,772,588
(19) Route 652, Truslow Rd, West of I-95 (PPTA)	626,000	2,820,528	0	2,820,528	0	0	0	0	0	0	0	0	6,267,056
(1) Route 1, Jefferson Davis Hwy	0	0	100,000	600,000	600,000	0	0	0	0	0	0	0	1,300,000
(2) Route 608, Brooke Rd, south of Eskimo Hill Rd	3,575,000	2,925,000	0	0	0	0	0	0	0	0	0	0	6,500,000
(4) Route 616, Poplar Rd, North of Truslow Road	1,155,000	945,000	0	0	0	0	0	0	0	0	0	0	2,100,000
(5) Route 616, Poplar Rd, south of Mountain View Rd	140,000	760,000	0	0	0	0	0	0	0	0	0	0	900,000
(7) Route 627, Mountain View Rd from Joshua Rd to Rose Hill Farm Rd	7,550,000	0	0	0	0	0	0	0	0	0	0	0	7,550,000
(10) Route 17, Warrenton Rd	7,200,000	18,200,000	26,400,000	0	0	0	0	0	0	0	0	0	51,800,000
(12) Route 606, Ferry Rd	200,000	200,000	1,000,000	0	0	0	0	0	0	0	0	0	1,400,000
(27) Courthouse Road & Route 1 Intersection Improvements	200,000	0	1,475,400	2,222,600	0	0	0	0	0	0	0	0	3,898,000
(13) Route 630, Courthouse Rd: Cedar Lane to Winding Creek Rd	2,000,000	5,875,000	1,200,000	10,000,000	10,900,000	0	0	0	0	0	0	0	29,975,000
(14) Route 630, Courthouse Rd: Winding Creek Rd to Shelton Shop Rd	0	0	0	2,800,000	11,100,000	13,904,000	0	0	0	0	0	0	27,804,000
(20) Pedestrian Improvements	0	0	0	380,000	380,000	380,000	0	0	0	0	0	0	1,140,000
Poplar Rd Phase 1	1,800,000	0	0	0	0	0	0	0	0	0	0	0	1,800,000
(22) Route 627, Mountain View Road Ext. to High School	650,000	2,000,000	0	0	0	0	0	0	0	0	0	0	2,650,000
(23) Staffordboro Parking Lot	5,806,500	3,843,500	0	0	0	0	0	0	0	0	0	0	9,650,000
(25) Streetscape Phase 1	2,857,000	0	3,519,000	0	0	0	0	0	0	0	0	0	6,376,000
(26) Streetscape Phase 2	0	0	0	2,344,000	7,080,000	5,022,000	3,638,000	0	0	0	0	0	18,084,000
(28) Garrisonville Road & Route 1 Intersection Improvements	200,000	0	100,000	700,000	0	0	0	0	0	0	0	0	1,000,000
(29) Stafford Parkway	400,000	0	0	0	0	0	0	0	0	10,000,000	22,150,000	67,150,000	99,700,000
(30) Enon Road Improvements	0	200,000	750,000	2,050,000	0	0	0	0	0	0	0	0	3,000,000
(31) Butler Road	0	0	0	0	0	0	2,000,000	9,400,000	8,800,000	0	0	0	20,200,000
(32) Garrisonville Road Eustace Road to Shelton Shop Rd	0	0	0	0	0	0	3,000,000	14,000,000	11,400,000	0	0	0	28,400,000
(33) Eskimo Hill Road	0	0	0	0	750,000	0	3,300,000	3,300,000	0	0	0	0	7,350,000
(34) Leeland Road	0	0	0	0	0	0	500,000	0	2,000,000	0	2,500,000	0	5,000,000

TRANSPORTATION SUMMARY

(35) Shelton Shop Road	0	0	0	0	0	0	0	0	1,500,000	0	6,750,000	6,750,000	15,000,000
(36) Mt. View Road - Shelton Shop to Choptank Road	0	0	0	0	0	300,000	0	1,000,000	1,200,000	0	0	0	2,500,000
Falmouth Safety Improvements	100,000	757,000	0	0	0	0	0	0	0	0	0	0	857,000
Boswell's Corner Improvements	0	0	0	0	0	50,000	0	332,000	0	550,000	0	0	932,000
Courthouse Area Improvements	0	0	0	0	0	120,000	0	105,000	0	720,000	0	0	945,000
Total	\$35,829,500	\$44,723,767	\$34,544,400	\$30,114,867	\$32,310,000	\$26,912,294	\$19,574,294	\$28,137,000	\$24,900,000	\$11,270,000	\$31,400,000	\$73,900,000	\$393,616,122

Funding Sources	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Later Years Funding	Total Project Cost
Bonds	2,789,000	1,100,000	4,424,000	11,326,869	7,969,599	6,766,294	6,831,695	6,800,000	7,000,000	7,000,000	7,000,000	3,500,000	72,507,457
Current Revenue	255,000	0	0	0	0	0	0	0	0	0	0	0	255,000
Service District Supported GO Debt*	0	2,280,000	3,590,478	0	0	0	0	16,800,000	0	0	0	0	22,670,478
Service District	1,870,000	0	0	0	0	0	1,000,000	1,226,443	0	0	0	0	4,096,443
Fuel Tax	10,222,000	4,212,556	1,838,000	2,591,631	0	470,000	1,000,000	3,210,557	1,200,000	1,270,000	0	0	26,014,744
Revenue Sharing	17,461,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	0	117,461,000
State/Federal	17,526,000	19,733,000	30,455,000	2,344,000	7,080,000	5,022,000	3,638,000	0	0	0	0	0	85,798,000
Impact Fees	1,900,000	200,000	500,000	0	0	0	0	0	0	0	0	0	2,600,000
Total Funding Sources Identified	52,023,000	37,525,556	50,807,478	26,262,500	25,049,599	22,258,294	22,469,695	38,037,000	18,200,000	18,270,000	17,000,000	0	331,403,122

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Debt Service	102,500	297,000	667,000	1,615,000	2,282,000	2,848,000	3,420,000	3,989,000	4,575,000	5,161,000
Service District Debt Service	0	190,789	491,238	491,238	491,238	491,238	491,238	1,897,050	1,897,050	1,897,050
	\$102,500	\$487,789	\$1,158,238	\$2,106,238	\$2,773,238	\$3,339,238	\$3,911,238	\$5,886,050	\$6,472,050	\$7,058,050

\$70 million Transportation Bond Referendum approved November 2008 (FY2009), expires November 2016 (FY2017)
Circuit Court's order to grant a two-year extension must be entered before the initial eight-year period expires.

ROUTE 610, GARRISONVILLE ROAD

Total Project Cost: \$13,765,478

Est. Opening Date: FY17

PROGRAM DESCRIPTION

Widen to 6-lanes Garrisonville from Onville Road to Eustace Road.

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum

- Comprehensive Plan

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	1,370,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	6,197,739	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	6,197,739	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,370,000	\$6,197,739	\$0	\$6,197,739	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	2,280,000	3,590,478	0	0	0	0	0	0	0	0
Service District	995,000	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	6,400,000	500,000	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	7,395,000	2,780,000	3,590,478	0	0	0	0	0	0	0	0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 652, TRUSLOW ROAD, EAST OF I-95

Total Project Cost: \$15,772,588

Est. Opening Date: FY17

PROGRAM DESCRIPTION

Reconstruction of Truslow Road from Cambridge Street to Interstate 95.

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum
- Comprehensive Plan

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	1,500,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	7,136,294	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	7,136,294	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$1,500,000	\$7,136,294	\$7,136,294	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	1,500,000	6,386,294	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	1,196,411	6,689,883	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$2,696,411	\$13,076,177	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	126,000	660,000	660,000	660,000	660,000	660,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$126,000	\$660,000	\$660,000	\$660,000	\$660,000	\$660,000

ROUTE 652, TRUSLOW ROAD, WEST OF I-95

Total Project Cost: \$6,267,056

Est. Opening Date: FY17

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum
- Comprehensive Plan

PROGRAM DESCRIPTION

Reconstruction of Truslow Road from Plantation Drive to Berea Church Road.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	626,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	2,820,528	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	2,820,528	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$626,000	\$2,820,528	\$0	\$2,820,528	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	650,000	2,483,556	0	0	0	0	0	0	0	0	0
Revenue Sharing	1,225,000	1,908,500	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,875,000	\$4,392,056	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 1, JEFFERSON DAVIS HIGHWAY

Total Project Cost: \$1,300,000

Est. Opening Date: FY17

PROGRAM DESCRIPTION

Construction of a left-turn lane from southbound Jefferson Davis Highway to Potomac Creek Drive.

Links to Board's Strategic Initiatives

- Approved by voters in the 2008 referendum
- Comprehensive Plan

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	100,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	600,000	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	600,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$100,000	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	600,000	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	600,000	0	0	0	0	0	0	0
State/Federal	0	0	100,000	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$100,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000

ROUTE 608, BROOKE ROAD, SOUTH OF ESKIMO HILL ROAD

Total Project Cost: \$6,500,000

Est. Opening Date: FY15

PROGRAM DESCRIPTION

Reconstruction of Brooke Road from 0.64 miles south of Eskimo Hill Road to 2.44 miles south of Eskimo Hill Road.

Links to Board's Strategic Initiatives

- Approved by voters in the 2008 referendum
- Comprehensive Plan
- Youth driver safety initiatives

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	650,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	2,925,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	2,925,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$3,575,000	\$2,925,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	2,789,000	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	461,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	3,251,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$6,501,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	102,500	205,000	205,000	205,000	205,000	205,000	205,000	205,000	205,000	205,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$102,500	\$205,000	\$205,000	\$205,000	\$205,000	\$205,000	\$205,000	\$205,000	\$205,000	\$205,000

ROUTE 616, POPLAR ROAD, NORTH OF TRUSLOW ROAD

Total Project Cost: \$2,100,000

Est. Opening Date: FY15

PROGRAM DESCRIPTION

Reconstruct Poplar Road from 0.10 miles north of Truslow Road to 0.50 miles north of Truslow Road.

Links to Board's
Strategic Initiatives

- Approved by voters in the 2008 referendum
- Comprehensive Plan
- Youth driver safety initiatives

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	311,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	844,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	945,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,155,000	\$945,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	628,000	472,000	0	0	0	0	0	0	0	0	0
Revenue Sharing	1,000,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,628,000	\$472,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 616, POPLAR ROAD, SOUTH OF MOUNTAIN VIEW ROAD

Total Project Cost: \$900,000

Est. Opening Date: FY15

Links to Board's Strategic Initiatives

- Approved by voters in the 2008 referendum
- Comprehensive Plan
- Youth driver safety initiatives

PROGRAM DESCRIPTION

Improve the horizontal alignment of Poplar Road from Mountain View Road to 0.25 miles south of Mountain View Road.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	90,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	50,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	760,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$140,000	\$760,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	140,000	760,000	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$140,000	\$760,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 627, MOUNTAIN VIEW ROAD FROM JOSHUA ROAD TO ROSE HILL FARM DRIVE

Total Project Cost: \$7,550,000

Est. Opening Date: FY14

PROGRAM DESCRIPTION

Reconstruction of Mountain View Road from Joshua Road to Rose Hill Farm Drive.

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum
- Comprehensive Plan
- Youth driver safety initiatives

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	533,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	2,340,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	4,677,000	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$7,550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	5,340,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	2,210,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$7,550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 17, WARRENTON ROAD

Total Project Cost: \$51,800,000

Est. Opening Date: FY16

[Links to Board's Strategic Initiatives](#)

• Approved by voters in the 2008 referendum

• Comprehensive Plan

PROGRAM DESCRIPTION

Widen to 6- and 8-lanes Warrenton Road from McLane Drive to Village Parkway.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	7,200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	18,200,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	26,400,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$7,200,000	\$18,200,000	\$26,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	7,200,000	18,200,000	26,400,000	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$7,200,000	\$18,200,000	\$26,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 606, FERRY ROAD

Total Project Cost: \$1,400,000

Est. Opening Date: FY15

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum

PROGRAM DESCRIPTION

Construction of Improvements to the Ferry Road and Kings Highway Intersection

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	200,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	1,000,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$200,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	100,000	0	500,000	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	100,000	200,000	500,000	0	0	0	0	0	0	0	0
Total	\$200,000	\$200,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 1 COURTHOUSE ROAD INTERSECTION IMPROVEMENT

Total Project Cost: \$3,898,000

Est. Opening Date: FY2016

PROGRAM DESCRIPTION

The intersection of Courthouse Road (S.R. 630) and Jefferson Davis Highway (U.S. Route 1) has a Level of Service of "F" during peak morning and afternoon traffic periods. Furthermore, U.S. Route 1 serves as the primary alternate route for I-95 when there are backups on the Interstate Highway. The proposed improvements to this intersection include additional left and right turn lanes to allow simultaneous traffic movement north and south on Route 1, and east and west on Route 630 to eliminate the current split phasing at that intersection. This will greatly increase the volume of traffic that can pass, and allow more flexibility to adjust signal phasing to accommodate peak hour and emergency signal patterns. The project will also include pedestrian accommodations consistent with the location in the center of the Stafford courthouse area and the future plans for the Courthouse Urban Development Area.

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Economic Development 10 Point Plan
- Comprehensive Plan

OPERATING IMPACT SUMMARY

No operating impacts are expected for the County since upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	1,475,400	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	2,222,600	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$0	\$1,475,400	\$2,222,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	100,000	300,000	1,463,000	0	0	0	0	0	0	0	0
Revenue Sharing	100,000	1,502,000	433,000	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$1,802,000	\$1,896,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 630, COURTHOUSE ROAD: CEDAR LANE TO WINDING CREEK ROAD

Total Project Cost: \$29,975,000

Est. Opening Date: FY19

PROGRAM DESCRIPTION

Widen Courthouse Road to 4 lanes from Cedar Lane to Winding Creek Road.

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum
- Comprehensive Plan

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	2,000,000	375,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	5,500,000	1,200,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	10,000,000	10,900,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,000,000	\$5,875,000	\$1,200,000	\$10,000,000	\$10,900,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	1,100,000	4,424,000	5,896,869	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	1,566,631	0	0	0	0	0	0	0
Revenue Sharing	0	6,089,500	7,126,000	135,000	1,637,000	0	0	0	0	0	0
State/Federal	2,000,000	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,000,000	\$7,189,500	\$11,550,000	\$7,598,500	\$1,637,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	92,000	462,000	955,000	955,000	955,000	955,000	955,000	955,000	955,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$92,000	\$462,000	\$955,000	\$955,000	\$955,000	\$955,000	\$955,000	\$955,000	\$955,000

ROUTE 630, COURTHOUSE ROAD: WINDING CREEK ROAD TO SHELTON SHOP ROAD

Total Project Cost: \$27,804,000

Est. Opening Date: FY19

Links to Board's Strategic Initiatives

- Approved by voters in the 2008 referendum
- Comprehensive Plan

PROGRAM DESCRIPTION

Widen Courthouse Road to 4 lanes from Winding Creek Road to Shelton Shop Road. Preliminary engineering and right-of-way acquisition and construction.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	2,800,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	11,100,000	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	13,904,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$2,800,000	\$11,100,000	\$13,904,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	4,450,000	6,089,599	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	1,566,000	8,240,000	4,148,284	3,310,117	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$1,566,000	\$12,690,000	\$10,237,883	\$3,310,117	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	372,000	882,000	882,000	882,000	882,000	882,000	882,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$372,000	\$882,000	\$882,000	\$882,000	\$882,000	\$882,000	\$882,000

PEDESTRIAN IMPROVEMENTS

Total Project Cost: \$1,140,000

Est. Opening Date: Various

PROGRAM DESCRIPTION

Improve pedestrian facilities at various, as yet to be determined, locations around the County.

Links to Board's Strategic Initiatives

- Approved by voters in the 2008 referendum

- Comprehensive Plan

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Depending on the location, upon completion, VDOT may become the owner of the pedestrian improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	380,000	380,000	380,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$380,000	\$380,000	\$380,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	380,000	380,000	380,000	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$380,000	\$380,000	\$380,000	\$0	\$0	\$0	\$0	\$0

Project will continue thru FY22 with funding from future bonds

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	32,000	64,000	96,000	96,000	96,000	96,000	96,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$32,000	\$64,000	\$96,000	\$96,000	\$96,000	\$96,000	\$96,000

ROUTE 616, POPLAR ROAD PHASE 1

Total Project Cost: \$1,800,000

Est. Opening Date: FY13

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum

- Impact fee project

PROGRAM DESCRIPTION

Road and intersection improvements at Poplar Road and Route 17 to 0.10 mile north of the intersection of Poplar Road and Truslow Road.

OPERATING IMPACT SUMMARY

A Central-West impact fee project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	287,100	0	0	0	0	0	0	0	0	0	0
Property Acquisition	752,900	0	0	0	0	0	0	0	0	0	0
Construction / Project	760,000	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	1,800,000	0	0	0	0	0	0	0	0	0	0
Total	\$1,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 627, MOUNTAIN VIEW ROAD EXTENSION

Total Project Cost: \$2,650,000

Est. Opening Date: FY15

PROGRAM DESCRIPTION

Reconstruction of Mountain View Road from Rose Hill Farm Drive to the Mountain View High School.

[Links to Board's Strategic Initiatives](#)

• Board's priorities

OPERATING IMPACT SUMMARY

An extension of a 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	290,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	360,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	2,000,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$650,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	1,650,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	1,000,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,650,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

STAFFORDBORO PARKING LOT

Total Project Cost: \$9,650,000

Est. Opening Date: FY15

[Links to Board's Strategic Initiatives](#)

•Comprehensive Plan

PROGRAM DESCRIPTION

Expansion of the Staffordboro Commuter Parking Lot to add 1,035 new parking spaces. The project includes roundabout connection to Doc Stone Road.

OPERATING IMPACT SUMMARY

Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	5,806,500	3,843,500	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$5,806,500	\$3,843,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	875,000	0	0	0	0	0	0	0	0	0	0
Fuel Tax	1,000,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	1,875,000	0	0	0	0	0	0	0	0	0	0
State/Federal	5,900,000	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$9,650,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COURTHOUSE STREETScape - PHASE 1a and 1b (US-1) (Redevelopment Plan - Courthouse Area)

Total Project Cost: \$6,376,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

The project is part of the revitalization of the Courthouse area. It is the first step towards implementing the Courthouse Redevelopment Master Plan and will provide key linkages to sidewalks in the Courthouse area. The project will create the infrastructure support for a pedestrian-friendly center around the Courthouse area. Sidewalks will be added and landscaping provided. Crosswalks will be restriped and pedestrian signal heads will be installed. The project will extend along Jefferson Davis Highway (US-1) between Hope Road and Hospital Center Boulevard and along Courthouse Road (State Route 630) between Red Oak Drive and Stafford Avenue. Phase 1a consists of streetscape improvements along US-1 between Hope Rd. and Courthouse Rd. that are located on county property. Phase 1b consists of the remainder of the streetscape improvements between Hope Rd. and Courthouse Rd. that are located on private property. Project costs include road improvements necessary to fully implement the streetscape improvements.

Links to Board's Strategic Initiatives

- Economic Development 10 Point Plan
- Redevelopment Plan

OPERATING IMPACT SUMMARY

Operating costs will begin in FY14 with the completion of the construction of phase 1a. Operating costs consist of maintenance of the improvements that are located outside of the VDOT road right-of-way.

Engineering for entire project. Phase 1a - construction & Phase 1b - Plats/Appraisals

Phase1b property acquisition and construction

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	1,024,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	2,311,000	0	0	0	0	0	0	0	0
Construction / Project	1,833,000	0	1,208,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,857,000	\$0	\$3,519,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	155,000	0	0	0	0	0	0	0	0	0	0
SD Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	93,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	2,286,000	323,000	3,605,000	0	0	0	0	0	0	0	0
Other - Boat Property	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,534,000	\$323,000	\$3,605,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	18,000	18,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$18,000	\$18,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000



COURTHOUSE STREETSCAPE - PHASE 2, 3 and 4 (US-1) (Redevelopment Plan - Courthouse)

Total Project Cost: \$18,084,000

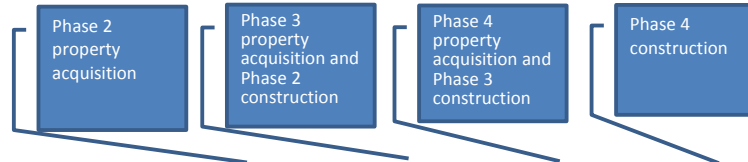
Est. Opening Date: On-going

PROGRAM DESCRIPTION

The project is part of the revitalization of the Courthouse area. It is the first step towards implementing the Courthouse Redevelopment Master Plan and will provide key linkages to sidewalks in the Courthouse area. The project will create the infrastructure support for a pedestrian-friendly center around the Courthouse area. Sidewalks will be added and landscaping provided. Crosswalks will be restriped and pedestrian signal heads will be installed. The project will extend along Jefferson Davis Highway (US-1) between Hope Road and Hospital Center Boulevard and along Courthouse Road (State Route 630) between Red Oak Drive and Stafford Avenue. Phase 2 consists of the streetscape improvements along Courthouse Rd. between US-1 and Red Oak Dr. Phase 3 consists of the streetscape improvements along US-1 between Courthouse Rd and Hospital Center Blvd. Phase 4 consists of the streetscape improvements along Courthouse Rd. between US-1 and Stafford Ave. Project costs include road improvements necessary to fully implement the streetscape improvements.

OPERATING IMPACT SUMMARY

Operating impacts will begin in FY18 with the completion of the construction of phase 2. Operating costs consist of maintenance of the improvements that are located outside of the VDOT road right-of-way.



Links to Board's Strategic Initiatives

- Economic Development 10 Point Plan
- Redevelopment Plan

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	2,344,000	4,023,000	753,000	0	0	0	0	0
Construction / Project	0	0	0	0	3,057,000	4,269,000	3,638,000	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$2,344,000	\$7,080,000	\$5,022,000	\$3,638,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
SD Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	2,344,000	7,080,000	5,022,000	3,638,000	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$2,344,000	\$7,080,000	\$5,022,000	\$3,638,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	31,000	73,000	110,000	110,000	110,000	110,000
Debt Service	0	0	0	196,000	788,000	1,208,000	1,512,000	1,512,000	1,512,000	1,512,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$196,000	\$819,000	\$1,281,000	\$1,622,000	\$1,622,000	\$1,622,000	\$1,622,000

GARRISONVILLE ROAD ROUTE 1 INTERSECTION IMPROVEMENT

Total Project Cost: \$1,000,000

Est. Opening Date: FY2016

PROGRAM DESCRIPTION

The intersection of Garrisonville Road (S.R. 610) and Jefferson Davis Highway (U.S. Route 1) has a failing Level of Service during peak afternoon traffic periods. Furthermore, U.S. Route 1 serves as the primary alternate route for I-95 when there are backups on the Interstate Highway. The proposed improvements to this intersection include additional right turn lanes from southbound Route 1 to allow increased traffic movement west on Garrisonville Road. This will prevent daily queuing of traffic into the Route 1 southbound travel lanes.

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Economic Development 10 Point Plan
- Comprehensive Plan

OPERATING IMPACT SUMMARY

No operating impacts are expected for the County since upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	100,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	700,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$0	\$100,000	\$700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	100,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	100,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	450,000	350,000	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$450,000	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

STAFFORD PARKWAY

Total Project Cost: \$99,700,000

Est. Opening Date: TBD

PROGRAM DESCRIPTION

Improvements are planned to Warrenton Road; however, the interchange at I-95 will not be improved. The Stafford Parkway will be a four lane limited access highway which will run from Centerport Parkway to Warrenton Road. It is anticipated that this roadway will decrease the traffic coming through the interchange at Warrenton Road and I-95.

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

OPERATING IMPACT SUMMARY

No operating impacts are expected for the County since upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	400,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	10,000,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	22,150,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000,000	\$22,150,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	7,000,000
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	200,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	200,000	0	0	0	0	0	0	0	10,000,000	10,000,000	10,000,000
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000,000	\$10,000,000	\$17,000,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ENON ROAD & ROUTE 1 IMPROVEMENTS

Total Project Cost: \$3,000,000

Est. Opening Date: FY2017

PROGRAM DESCRIPTION

Enon Road has experienced a large increase in vehicle trips per day since the opening of the I-95 interchange at Centreport Parkway. A recent traffic engineering analysis determined that the segment between Route 1 and Stafford Indians Lane currently has 9,000 vehicle trips per day (VPD) and projects over 15,000 VPD in 2020. Furthermore, the study noted deficiencies in the intersection at Route 1. The study recommended construction of a 3-lane section for Enon Road east of the I-95 bridge, and tapering to a 2-lane section just east of the bridge.

[Links to Board's Strategic Initiatives](#)

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

OPERATING IMPACT SUMMARY

No operating impacts are expected for the County since upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	200,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	750,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	2,050,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$750,000	\$2,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	200,000	375,000	1,025,000	0	0	0	0	0	0	0
Revenue Sharing	0	0	375,000	1,025,000	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$750,000	\$2,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BUTLER ROAD

Total Project Cost: \$20,200,000

Est. Opening Date: FY2019

[Links to Board's Strategic Initiatives](#)

- Comprehensive Plan
- Transportation Plan

PROGRAM DESCRIPTION

Improvements to Butler Road from the termini of the Falmouth Intersection project to the intersection of Castle Rock Drive (across from the YMCA). This improvement will widen the roadway from 2 lanes to four lanes and will include turn lanes, wider shoulders improved sight distance and will meet current VDOT standards. This project will span approximately 0.81 miles.

OPERATING IMPACT SUMMARY

No operating impacts are anticipated at this time

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	2,000,000	9,400,000	8,800,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$9,400,000	\$8,800,000	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	6,800,000	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
SD Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	1,000,000	1,226,443	0	0	0
Fuel Tax	0	0	0	0	0	0	1,000,000	1,773,557	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	8,400,000	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$18,200,000	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 610, GARRISONVILLE ROAD

Total Project Cost: \$28,400,000

Est. Opening Date: FY22

[Links to Board's Strategic Initiatives](#)

• Included in the Transportation Plan

PROGRAM DESCRIPTION

Widen Garrisonville Road to 6-lanes from Eustace Road to Shelton Shop Road.

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	3,000,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	14,000,000	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	11,400,000	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$14,000,000	\$11,400,000	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	16,800,000	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	10,000,000	1,600,000	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	10,000,000	18,400,000	0	0	0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ESKIMO HILL ROAD IMPROVEMENTS

Total Project Cost: \$7,350,000

Est. Opening Date: FY20

[Links to Board's Strategic Initiatives](#)

- Transportation Plan
- Comprehensive Plan

PROGRAM DESCRIPTION

Two lane reconstruction of Eskimo Hill Road between Route 1 and Potomac Run Road

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	750,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	3,300,000	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	3,300,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$750,000	\$0	\$3,300,000	\$3,300,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	4,331,695	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	3,018,305	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	3,018,305	0	4,331,695	0	0	0	0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	362,000	362,000	362,000	362,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$362,000	\$362,000	\$362,000	\$362,000

LEELAND ROAD WIDENING

Total Project Cost: \$5,000,000

Est. Opening Date: FY22

[Links to Board's Strategic Initiatives](#)

- Transportation Plan

PROGRAM DESCRIPTION

Widen Leeland Road to 3-lanes from Deacon Road to Leeland Station.

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	500,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	2,000,000	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	2,500,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0	\$2,000,000	\$0	\$2,500,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	2,500,000	0	0	2,500,000	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	2,500,000	0	0	2,500,000	0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	209,000	209,000	209,000	418,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$209,000	\$209,000	\$209,000	\$418,000

SHELTON SHOP ROAD

Total Project Cost: \$15,000,000

Est. Opening Date: FY23

[Links to Board's Strategic Initiatives](#)

- Comprehensive Plan

PROGRAM DESCRIPTION

Reconstruction of Shelton Shop Road between Garrisonville Road and Mountain View Road.

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	1,500,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	6,750,000
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$6,750,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	7,000,000	4,500,000	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	7,000,000	4,500,000	0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	586,000	963,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$586,000	\$963,000

MOUNTAIN VIEW ROAD

Total Project Cost: \$2,500,000

Est. Opening Date: FY22

[Links to Board's Strategic Initiatives](#)

• Comprehensive Plan

PROGRAM DESCRIPTION

Two lane upgrade on Mountain View Road between Shelton Shop Road and Choptank Road

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	300,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	1,000,000	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	1,200,000	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$1,000,000	\$1,200,000	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	300,000	0	1,000,000	1,200,000	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	300,000	0	1,000,000	1,200,000	0	0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FALMOUTH SAFETY & PARKING IMPROVEMENTS

Total Project Cost: \$857,000

Est. Opening Date: FY2015

PROGRAM DESCRIPTION

Redevelopment project in Falmouth to improve safety by constructing new sidewalks, on Gordon, King and West Cambridge Streets, new parking lots and a pedestrian overlook at the fall line of the Rappahannock River at the foot of West Cambridge Street. A pedestrian overlook will provide visitors with a visualization of why Falmouth was located where it is located. This project is recommended by the Falmouth Redevelopment Plan and it is consistent with the 2002 Falmouth Plan.

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Transportation Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

OPERATING IMPACT SUMMARY

All construction projects will take place on County-owned and maintained properties, or within existing VDOT right-of-way, no additional operating impacts are anticipated at this time.

PROJECT COSTS



Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	100,000	100,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	625,000	0	0	0	0	0	0	0	0	0
Contingency	0	32,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$757,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	100,000	0	0	0	0	0	0	0	0	0	0
S D Supported GO De	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	757,000	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$757,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BOSWELL'S CORNER IMPROVEMENTS

Total Project Cost: \$932,000

Est. Opening Date: FY2016

PROGRAM DESCRIPTION

Redevelopment project in the Boswell's Corner Redevelopment Area to improve safety and vehicular circulation by creating a system of local grid streets. This project is recommended by the Boswell's Corner Redevelopment Plan. The Planning/Design phase of the project will identify the design and extent of the local street system needed to address future pedestrian and vehicular traffic demands and establish priorities for actual street construction.

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Transportation Plan
- Comprehensive Plan
- Economic Development 10 Point Plan



OPERATING IMPACT SUMMARY

No operating impacts are expected for the County. Staff is working to secure grant funding for this entire project. VDOT is responsible for roadway operations and maintenance.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	50,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	332,000	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	550,000	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$332,000	\$0	\$550,000	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	50,000	0	332,000	0	550,000	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$332,000	\$0	\$550,000	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COURTHOUSE AREA IMPROVEMENTS

Total Project Cost: \$945,000

Est. Opening Date: FY2017

PROGRAM DESCRIPTION

Redevelopment project in the Courthouse Redevelopment Area to improve safety and vehicular circulation by creating a system of local grid streets. This project is recommended by the Courthouse Area Redevelopment Plan and it is consistent with the Courthouse Urban Development Area Plan. The Planning/Design phase of the project will identify the design and extent of the local street system needed to address future pedestrian and vehicular traffic demands and establish priorities for actual street construction.

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point Plan



OPERATING IMPACT SUMMARY

Upon completion, the road would be turned over to VDOT for operation and maintenance. Staff is working to secure grant funding for this entire project.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	120,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	105,000	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	720,000	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$120,000	\$0	\$105,000	\$0	\$720,000	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Det	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	120,000	0	105,000	0	720,000	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$120,000	\$0	\$105,000	\$0	\$720,000	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



SCHOOLS SUMMARY OF ALL PROJECTS - ALL FUNDING SOURCES

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total This Period	Later Years Funding	Total Project Cost
New Construction	27,533,000	20,683,000	17,684,000	5,000,000	10,500,000	12,500,000	11,888,000	12,500,000	1,588,000	19,478,000	18,750,000	130,571,000	13,690,000	171,794,000
Renewal/Additions/Renovations	6,359,000	5,741,000	0	0	0	3,000,000	18,737,000	0	0	0	500,000	27,978,000	12,000,000	46,337,000
Support Facilities - New/Renovations	0	0	0	0	0	0	0	0	750,000	5,887,000	0	6,637,000	0	6,637,000
Capital Maintenance		11,025,000	8,692,000	5,960,000	8,386,000	10,076,000	10,232,000	9,445,000	8,660,000	8,485,000	8,140,000	89,101,000	0	89,101,000
Project Total	\$33,892,000	\$37,449,000	\$26,376,000	\$10,960,000	\$18,886,000	\$25,576,000	\$40,857,000	\$21,945,000	\$10,998,000	\$33,850,000	\$27,390,000	\$254,287,000	\$25,690,000	\$313,869,000

Funding Summary	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total
Construction Bond Funded Projects	\$23,424,000	\$17,684,000	\$5,000,000	\$10,500,000	\$15,500,000	\$30,625,000	\$12,500,000	\$2,338,000	\$23,529,000	\$19,250,000	\$160,350,000
Construction Cash Funded Projects	2,000,000	0	0	0	0	0	0	0	1,836,000	0	\$3,836,000
Total Construction Projects	\$25,424,000	\$17,684,000	\$5,000,000	\$10,500,000	\$15,500,000	\$30,625,000	\$12,500,000	\$2,338,000	\$25,365,000	\$19,250,000	\$164,186,000
Master Lease (Fiber Optic)	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000
Infrastructure Bond Funded	7,540,000	5,547,000	3,300,000	5,501,000	7,361,000	7,002,000	7,405,000	6,850,000	7,000,000	7,000,000	64,506,000
Infrastructure Cash Funded	3,485,000	3,145,000	2,660,000	2,885,000	2,715,000	3,230,000	2,040,000	1,810,000	1,485,000	1,140,000	24,595,000
	\$37,449,000	\$26,376,000	\$10,960,000	\$18,886,000	\$25,576,000	\$40,857,000	\$21,945,000	\$10,998,000	\$33,850,000	\$27,390,000	\$254,287,000

Operating Impacts Summary	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Operating Impacts	0	0	0	0	0	0	0	0	901,000	1,682,000
Debt Service Bond (cumulative)	1,729,000	4,860,000	6,803,000	7,501,000	8,840,000	10,754,000	13,901,000	15,567,000	16,336,000	18,891,000
Master Lease	0	133,000	133,000	133,000	133,000	133,000	133,000	133,000	133,000	133,000
Revenue/Savings										
Total	\$1,729,000	\$4,993,000	\$6,936,000	\$7,634,000	\$8,973,000	\$10,887,000	\$14,034,000	\$15,700,000	\$17,370,000	\$20,706,000



SCHOOLS SUMMARY OF BOND FUNDED PROJECTS

Agency	Projects	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total This Period
School Projects	Stafford HS Rebuild	17,683,000	17,684,000	4,000,000	0	0	0	0	0	0	0	39,367,000
	Moncure ES Rebuild	0	0	1,000,000	10,500,000	11,500,000	888,000	0	0	0	0	23,888,000
	Ferry Farm ES Rebuild	0	0	0	0	1,000,000	11,000,000	12,500,000	588,000	0	0	25,088,000
	Career & Technical Center	0	0	0	0	0	0	0	0	8,750,000	6,250,000	15,000,000
	Elem School #18 w/Headstart	0	0	0	0	0	0	0	1,000,000	10,728,000	12,500,000	24,228,000
	Grafton Village ES Renovation	5,741,000	0	0	0	0	0	0	0	0	0	5,741,000
	Brooke Point HS Addition	0	0	0	0	1,000,000	4,843,000	0	0	0	0	5,843,000
	Colonial Forge HS Addition	0	0	0	0	1,000,000	6,947,000	0	0	0	0	7,947,000
	Mt. View HS Addition	0	0	0	0	1,000,000	6,947,000	0	0	0	0	7,947,000
	Hartwood ES Renovation	0	0	0	0	0	0	0	0	0	500,000	500,000
	Fleet Services Addition	0	0	0	0	0	0	0	750,000	4,051,000	0	4,801,000
	Infrastructure	7,540,000	5,547,000	3,300,000	5,501,000	7,361,000	7,002,000	7,405,000	6,850,000	7,000,000	7,000,000	64,506,000
		\$30,964,000	\$23,231,000	\$8,300,000	\$16,001,000	\$22,861,000	\$37,627,000	\$19,905,000	\$9,188,000	\$30,529,000	\$26,250,000	\$224,856,000

Debt Service	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
New Debt Service	1,729,000	4,860,000	6,803,000	7,501,000	8,840,000	10,754,000	13,901,000	15,567,000	16,336,000	18,891,000

REBUILD STAFFORD HIGH SCHOOL - 2015

Total Project Cost: \$66,100,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Construct a 2000 student secondary school (High School) for grades 9-12 to replace the existing Stafford High School. This project will include site improvements to the proposed school site, the construction of the school building, the development of the site, demolition of the existing school, all planning and design requirements, limited support furnishing, furniture, and equipment and all technology infrastructure. The school will be constructed with classrooms and core facilities to accommodate 2000 students and follow the Stafford County Public School High School Education Specification. The school will adhere to the Stafford County Public School Facility Design Standards. In order to open the school in September 2015, the following milestones must be achieved: Design must start no later than October 2011. Bid January 2013. School Construction and site development must start no later than April 2013 and high school building completed no later than May 2015. Remaining site work completed no later than December 2015.



OPERATING IMPACT SUMMARY

There will be additional operating costs as additional capacity is used.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	7,050,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	17,683,000	19,683,000	11,273,000	4,000,000	0	0	0	0	0	0	0
Hardware/Software	0	0	1,538,000	0	0	0	0	0	0	0	0
Equipment	0	0	2,185,000	0	0	0	0	0	0	0	0
Contingency	0	0	2,688,000	0	0	0	0	0	0	0	0
Total	\$24,733,000	\$19,683,000	\$17,684,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	619,000	2,000,000	0	0	0	0	0	0	0	0	0
Bonds VPSA	24,114,000	17,683,000	17,684,000	4,000,000	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$24,733,000	\$19,683,000	\$17,684,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	1,480,000	3,251,000	4,730,000	5,068,000	5,068,000	5,068,000	5,068,000	5,068,000	5,068,000	5,068,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$1,480,000	\$3,251,000	\$4,730,000	\$5,068,000	\$5,068,000	\$5,068,000	\$5,068,000	\$5,068,000	\$5,068,000	\$5,068,000

INSTALL FIBER OPTIC NETWORK

Total Project Cost: \$2,100,000

Est. Opening Date: 2014

PROGRAM DESCRIPTION

A multi-phase project to install fiber optic network connections among all Stafford County Public Schools. The project could be expanded to include government and public service buildings (e.g. Fire and Rescue, Public Libraries). Underground conduit to be installed along major right-of-ways along the roads between schools and administrative sites. 375,000 LF of single mode Fiber Optic cable will be pulled through the conduit then interconnect to two or more major network hubs. Each site will require installation of fiber patch panels and other electronics.



OPERATING IMPACT SUMMARY

Start Up Costs (FY 13) = \$0.00 Start Up Cost (FY 14) = \$0.00 No start up costs involved

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	1,100,000	1,000,000	0	0	0	0	0	0	0	0	0
Hardware/Software	0	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,100,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	1,100,000	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	1,000,000	0	0	0	0	0	0	0	0	0
Total	\$1,100,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease		133,000	133,000	133,000	133,000	133,000	133,000	133,000	133,000	133,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$133,000	\$133,000	\$133,000	\$133,000	\$133,000	\$133,000	\$133,000	\$133,000	\$133,000

REBUILD - MONCURE ELEMENTARY SCHOOL - 2018

Total Project Cost: \$25,588,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Construct a 950 student elementary school for grades K through 5 to replace the existing Moncure Elementary on a new site. The Moncure Elementary School will include the construction of the school building, the development of the site, all planning & design requirements, limited support furnishing, furniture & equipment and technology infrastructure. The school will be constructed with classrooms and core facilities to accommodate 950 students and follow the Stafford County Public Schools Elementary School Education Specification. The school will adhere to the Stafford County Public Schools Facility Design Standards. New location will be off of Juggins Road. In order to open the Moncure Elementary School Replacement in September 2018 the following milestones must be achieved: Design must start no later than January 2016 and be completed no later than November 2016. School & Site development must start March 2017 and be complete by May 2018. The existing Moncure ES and site is will be turned over to Stafford County per approved MOU.



OPERATING IMPACT SUMMARY

There will be additional operating costs as additional capacity is used.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	1,000,000	0	0	0	0	0	0	0
Property Acquisition	1,700,000	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	10,500,000	9,928,000	888,000	0	0	0	0
Hardware/Software	0	0	0	0	0	419,000	0	0	0	0	0
Equipment	0	0	0	0	0	524,000	0	0	0	0	0
Contingency	0	0	0	0	0	629,000	0	0	0	0	0
Total	\$1,700,000	\$0	\$0	\$1,000,000	\$10,500,000	\$11,500,000	\$888,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	1,700,000	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	0	0	0	1,000,000	10,500,000	11,500,000	888,000	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,700,000	\$0	\$0	\$1,000,000	\$10,500,000	\$11,500,000	\$888,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	84,000	963,000	1,925,000	1,999,000	1,999,000	1,999,000	1,999,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$84,000	\$963,000	\$1,925,000	\$1,999,000	\$1,999,000	\$1,999,000	\$1,999,000

REBUILD - FERRY FARM ELEMENTARY SCHOOL - 2020

Total Project Cost: \$25,088,000

Est. Opening Date: 2020

PROGRAM DESCRIPTION

Construct a 950 student elementary school rebuild for grades K through 5. A new elementary school will be needed to replace the existing Ferry Farm Elementary School. Ferry Farm Elementary School will include the construction of the school building, the development of the site, the demolition of the existing school and associated parking areas, all planning & design requirements, limited support furnishing, furniture and equipment and technology infrastructure. The school will be constructed with classrooms and core facilities to accommodate 950 students and follow the Stafford County Public School Elementary School Education Specification. The school will adhere to the Stafford County Public School Facility Design Standards. Site location is anticipated to be the current Ferry Farm Elementary school site. The new school will be sited in a manner as to allow the Division to keep the existing Ferry Farm Elementary School operational during construction of the new school. In order to open the new Ferry Farm Elementary School in September 2020, the following milestones must be achieved: Design must start no later than January 2018 and be completed no later than November 2018. School and site development must start March 2019 and building must be complete by May 2020. Site work will be completed by December 2020.



OPERATING IMPACT SUMMARY

There will be additional operating costs as additional capacity is used.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	1,000,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	11,000,000	10,647,000	588,000	0	0
Hardware/Software	0	0	0	0	0	0	0	654,000	0	0	0
Equipment	0	0	0	0	0	0	0	545,000	0	0	0
Contingency	0	0	0	0	0	0	0	654,000	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$11,000,000	\$12,500,000	\$588,000	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	0	0	0	0	0	1,000,000	11,000,000	12,500,000	588,000	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$11,000,000	\$12,500,000	\$588,000	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	84,000	1,004,000	2,050,000	2,099,000	2,099,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$84,000	\$1,004,000	\$2,050,000	\$2,099,000	\$2,099,000

STAFFORD CAREER AND TECHNOLOGY CENTER (SCTC) - 2023

Total Project Cost: \$15,000,000

Est. Opening Date: 2023

PROGRAM DESCRIPTION

The SCTC is proposed to be a 1000 student career and technical education center for grades 9 through 12. The new center is needed to provide high tech, rigorous and relevant curriculum to the community. The new center will be roughly a 76,300 SF facility with classroom and core applied technical learning spaces which will accommodate 1000 students. The center will also include a cafeteria but will not include gym, theater or PE space nor will it include athletic fields. The project will follow the SCPS High School Educational Specification and Facility Design Standards. The concept of the center will be that of an alternating day schedule (block X & Y). A full day instruction for up to 1000 (200 from each HS) on X day and another 1000 students (200 from each HS) on Y day. This concept allows the center to impact up to 2000 students on any given year. The site for the new center has not yet been determined. In order to open the SCTC in September 2023, design of the facility must be complete no later than Sep 2020. Design will start in January 2020, Construction start in February 2021.



OPERATING IMPACT SUMMARY

TBD

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	2,500,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	6,250,000	6,250,000
Hardware/Software	0	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,750,000	\$6,250,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	0	0	0	0	0	0	0	0	0	8,750,000	6,250,000
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,750,000	\$6,250,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	732,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$732,000

ELEMENTARY SCHOOL #18 WITH HEAD START - 2023

Total Project Cost: \$37,918,000

Est. Opening Date: 2023

PROGRAM DESCRIPTION

Construct a 950 student elementary with a 350 student Head Start Facility. ES#18 will include the construction of the school building, development of the site, demolition of existing building, all support furnishing, furniture and equipment and technology infrastructure. Both schools will be built with classrooms and shared core facilities to accommodate 950 elementary students and 350 head start students and follow the SCPS Elementary Education Specifications. The school will adhere to SCPS Facility Design Standards. In order to open ES #18/Head Start in September 2023, the following milestones must be achieved. Design must be started by January 2021 and completed no later than November 2021. School & site development must start March 2022 and complete by May 2022. Demolition and site work will be complete by December 2023.



OPERATING IMPACT SUMMARY

Start Up Costs (FY 22) = \$900,827 Start Up Cost (FY 23) = \$1,681,701

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	1,000,000	1,500,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	9,228,000	12,500,000
Hardware/Software	0	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$10,728,000	\$12,500,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	0	0	0	0	0	0	0	0	1,000,000	10,728,000	12,500,000
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$10,728,000	\$12,500,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	901,000	1,682,000
Debt Service	0	0	0	0	0	0	0	0	84,000	982,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$985,000	\$2,664,000

ADDITION & RENOVATION - GRAFTON VILLAGE ELEMENTARY SCHOOL

Total Project Cost: \$12,100,000

Est. Opening Date: 2014

PROGRAM DESCRIPTION

A Level 2 Renovation of Grafton Village Elementary School will include an upgrade and repair to the following: life safety deficiencies, building code upgrades to include fire suppression sprinkler system, HVAC systems, electrical systems, architectural (finishes, doors, hardware, windows, roof), ADA, Plumbing, Fire Alarm System, Data Systems, PA System, addition of a new Media Center, upgrade to Admin Office Suite and renovation of kitchen area to include new A/C.



OPERATING IMPACT SUMMARY

None

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	818,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	5,541,000	4,841,000	0	0	0	0	0	0	0	0	0
Hardware/Software	0	150,000	0	0	0	0	0	0	0	0	0
Equipment	0	150,000	0	0	0	0	0	0	0	0	0
Contingency	0	600,000	0	0	0	0	0	0	0	0	0
Total	\$6,359,000	\$5,741,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	6,359,000	5,741,000	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$6,359,000	\$5,741,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	249,000	978,000	978,000	978,000	978,000	978,000	978,000	978,000	978,000	978,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$249,000	\$978,000	\$978,000	\$978,000	\$978,000	\$978,000	\$978,000	\$978,000	\$978,000	\$978,000

ADDITION - (CLASSROOM, PE & FINE ARTS) - BROOKE POINT HIGH SCHOOL

Total Project Cost: \$5,843,000

Est. Opening Date: 2019

PROGRAM DESCRIPTION

Project includes the construction of classroom, PE & Fine Arts additions at Brooke Point High School. The addition will increase the student design capacity from 1800 students to 2000 students. Brooke Point additions will include 9 additional classrooms, expansion of the PE Department with two classrooms, an expanded wellness room, expand Media Center into an existing classroom and addition of a third performing arts suite for orchestra. The addition of classrooms in the PE Department and Fine Arts will free up additional space in the academic wing.



OPERATING IMPACT SUMMARY

There will be additional operating costs as additional capacity is used.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	447,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	553,000	3,915,000	0	0	0	0
Hardware/Software	0	0	0	0	0	0	121,000	0	0	0	0
Equipment	0	0	0	0	0	0	173,000	0	0	0	0
Contingency/Other	0	0	0	0	0	0	634,000	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$4,843,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	0	0	0	0	0	1,000,000	4,843,000	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$4,843,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	84,000	489,000	489,000	489,000	489,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$84,000	\$489,000	\$489,000	\$489,000	\$489,000

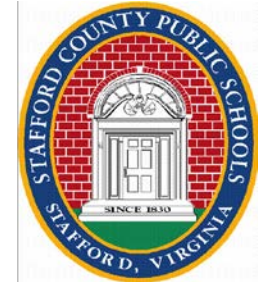
ADDITION - (CLASSROOM, PE & FINE ARTS) - MOUNTAIN VIEW HIGH SCHOOL

Total Project Cost: \$7,947,000

Est. Opening Date: 2019

PROGRAM DESCRIPTION

Project includes the construction of classroom, PE & Fine Arts additions at Mountain View High School. The addition will increase the student design capacity from 1800 students to 2000 students. Mountain View additions will include 6 additional classrooms, expansion of the PE Department with two classrooms and an expanded wellness room, and the addition of a third fine arts suite for orchestra and drama classroom. The addition of classrooms in the PE Department and Fine Arts will free up additional space in the academic wing.



OPERATING IMPACT SUMMARY

There will be additional operating costs as additional capacity is used.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	623,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	377,000	5,850,000	0	0	0	0
Hardware/Software	0	0	0	0	0	0	168,000	0	0	0	0
Equipment	0	0	0	0	0	0	242,000	0	0	0	0
Contingency/Other	0	0	0	0	0	0	687,000	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$6,947,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	0	0	0	0	0	1,000,000	6,947,000	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$6,947,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	84,000	665,000	665,000	665,000	665,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$84,000	\$665,000	\$665,000	\$665,000	\$665,000

ADDITION - (CLASSROOM, PE & FINE ARTS) - COLONIAL FORGE HIGH SCHOOL

Total Project Cost: \$7,947,000

Est. Opening Date: 2019

PROGRAM DESCRIPTION

Project includes the constuction of classroom, PE & Fine Arts additions at Colonial Forge High School. The addition will increase the student design capacity from 1800 students to 2000 students. Colonial Forge additions will include 6 additional classrooms, expansion of the PE Department with two classrooms and an expanded wellness room, and the addition of a third fine arts suite for orchestra and drama classroom. The addition of classrooms in the PE Department and Fine Arts will free up additional space in the academic wing.



OPERATING IMPACT SUMMARY

There will be additional operating costs as additional capacity is used.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	623,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	377,000	5,850,000	0	0	0	0
Hardware/Software	0	0	0	0	0	0	168,000	0	0	0	0
Equipment	0	0	0	0	0	0	242,000	0	0	0	0
Contingency/Other	0	0	0	0	0	0	687,000	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$6,947,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	0	0	0	0	0	1,000,000	6,947,000	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$6,947,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	84,000	665,000	665,000	665,000	665,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$84,000	\$665,000	\$665,000	\$665,000	\$665,000

RENOVATION - HARTWOOD ELEMENTARY SCHOOL (2023 - 2024) - LEVEL 2

Total Project Cost: \$12,500,000

Est. Opening Date: 2024

PROGRAM DESCRIPTION

Level 2 Renovation of Hartwood ES will include an upgrade and modernization to the following: Life safety deficiencies, building codes to include fire suppression sprinkler system, HVAC system, electrical systems, architectural (finishes, doors, hardware, windows), ADA, plumbing, fire alarm system, data systems, PA system, Media Center expansion and lighting. *Assumes supporting County project to install water and sewer to the Hartwood area is completed by FY 2021. **Modular cost includes delivery, set up, and installation of ten (10) modulares, site work, permits and systems set up. Modulares to provide swing space to relocate students. Modulares will be leased and included as part of the project.



OPERATING IMPACT SUMMARY

None

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	500,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Hardware/Software	0	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds VPSA	0	0	0	0	0	0	0	0	0	0	500,000
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ADDITION - (VEHICLE MAINTENANCE) FLEET SERVICES - 2022

Total Project Cost: \$6,637,000

Est. Opening Date: 2022

PROGRAM DESCRIPTION

Project provides for a new addition to Fleet Services Complex. The proposed addition will be added to the current Fleet Services Building. Addition will include 16,056 SF and include new service area, parts storage, administrative offices and 11,000 SF of heavy duty service area. Fuel Station relocation is scheduled to be completed prior to proposed project, however, demolition of existing fueling building will be included in this project. Project design would start in FY20 with Construction starting in FY 21.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	750,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	5,887,000	0
Hardware/Software	0	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$5,887,000	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
County Cost *	0	0	0	0	0	0	0	0	0	1,836,000	0
Bonds VPSA	0	0	0	0	0	0	0	0	750,000	4,051,000	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$5,887,000	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	63,000	402,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63,000	\$402,000

* County responsible for 30% of project cost

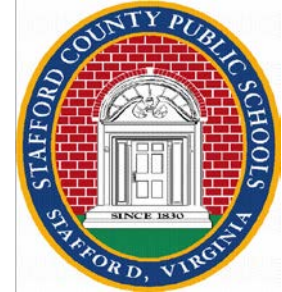
CAPITAL MAINTENANCE - INFRASTRUCTURE

Total Project Cost: \$89,101,000

Est. Opening Date: 2014 - 2023

PROGRAM DESCRIPTION

Improvements and upgrades to various schools, facilities, equipment and grounds to correct deficiencies in safety, security, maintenance and repair.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
School Site Improvements	0	2,835,000	3,945,000	3,010,000	1,085,000	6,090,000	3,880,000	3,790,000	3,560,000	2,860,000	2,240,000
Pavement	0	2,100,000	1,100,000	1,000,000	2,100,000	1,050,000	1,900,000	2,200,000	2,100,000	1,850,000	1,900,000
Environmental Upgrades	0	2,890,000	3,147,000	50,000	4,851,000	1,025,000	3,702,000	1,730,000	1,100,000	2,075,000	2,650,000
Roofs	0	3,200,000	500,000	1,900,000	350,000	1,911,000	750,000	1,725,000	1,900,000	1,700,000	1,350,000
Total	\$0	\$11,025,000	\$8,692,000	\$5,960,000	\$8,386,000	\$10,076,000	\$10,232,000	\$9,445,000	\$8,660,000	\$8,485,000	\$8,140,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	3,385,000	3,145,000	2,660,000	2,885,000	2,715,000	3,230,000	2,040,000	1,810,000	1,485,000	1,140,000
Bonds VPSA	0	7,540,000	5,547,000	3,300,000	5,501,000	7,361,000	7,002,000	7,405,000	6,850,000	7,000,000	7,000,000
County Cost*	0	100,000	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$11,025,000	\$8,692,000	\$5,960,000	\$8,386,000	\$10,076,000	\$10,232,000	\$9,445,000	\$8,660,000	\$8,485,000	\$8,140,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Total Operating Impact	0	0	0	0	0	0	0	0	0	0
Debt Service	0	631,000	1,095,000	1,371,000	1,831,000	2,447,000	3,033,000	3,653,000	4,226,000	4,812,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$631,000	\$1,095,000	\$1,371,000	\$1,831,000	\$2,447,000	\$3,033,000	\$3,653,000	\$4,226,000	\$4,812,000

* County responsible for 30% of project cost

CAPITAL MAINTENANCE (INFRASTRUCTURE)

SCHOOL SITE IMPROVEMENTS

FY2014 Projects

	Project Amount	Funding Source
Repair Interior Finishes - WES	500,000	Bond
Repair Athletic Fields (Phase I) - AGWMS, DMS & SMS	200,000	Current Revenue
Replace Storage Buildings - CFHS, HES, SMS & PRES	185,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	150,000	Current Revenue
Construct Security Vestibule - Support Services Complex	35,000	Current Revenue
Construct Security Vestibule - FLEET * (County responsible for 30% of project cost)	35,000	Current Revenue
Repair Foundation (Waterproofing) - AYBAC	200,000	Current Revenue
Repair Phone Systems - VOIP Phase I	100,000	Current Revenue
Repair Playground and Play Areas - WES	70,000	Current Revenue
Install Whiteboards - Multiple Locations	100,000	Current Revenue
Upgrade Auditorium & Lighting- CFHS	80,000	Current Revenue
Repair Stage Rigging & Curtains - Phase I	250,000	Current Revenue
Upgrade Fire Alarm Panel - SMS	250,000	Current Revenue
Construct JROTC Training Facility	350,000	Current Revenue
Install Scoreboards	30,000	Current Revenue
Relocate Fueling Station - FLEET *	300,000	Current Revenue
FY 2014 Total	\$2,835,000	

FY2015 Projects

	Project Amount	Funding Source
Repair Interior Finishes - HOES	500,000	Bond
Repair Interior Finishes - AGW/GES	1,000,000	Bond
Replace Generators - RES	300,000	Current Revenue
Repair Lock Systems (Phase VI) - SMS, GMC, Support Services, AYBAC & Fleet	400,000	Current Revenue
Replace Storage Buildings - HOES, RES, RRES, & BPHS (2)	205,000	Current Revenue
Repair Athletic Fields (Practice) - MVHS	150,000	Current Revenue
Repair Stage Rigging & Curtains - Phase II	250,000	Current Revenue
Replace Walk-in Freezers & Refrigerators - DMS & AGWMS	100,000	Current Revenue
Repair Bathroom Floors - ABES & CES	300,000	Current Revenue
Replacement of CCTV Cameras - Various Schools	250,000	Current Revenue
Additional Lunch Line - HES	100,000	Current Revenue
Install Scoreboards	30,000	Current Revenue
Repair Phone Systems - VOIP Phase II	110,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	170,000	Current Revenue
Repair Playground and Play Areas - ES	80,000	Current Revenue
FY 2015 Total	\$3,945,000	

FY2016 Projects

	Project Amount	Funding Source
Repair Interior Finishes - BPHS	900,000	Bond
Repair Interior Finishes - RES	500,000	Bond
Construct Storage Buildings - GMS, WCES, KWBES, & AYBAC	170,000	Current Revenue
Upgrade Sound System Auditorium - BPHS	60,000	Current Revenue
Upgrades CTE Labs	100,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	180,000	Current Revenue
Repair Grounds - DSMS & RRES	100,000	Current Revenue
Repair Field Drainage - MS & HS	250,000	Current Revenue
Repair Phone Systems - VOIP Phase III	120,000	Current Revenue
Install Messaging Marquees - CES (Manual)	50,000	Current Revenue
Repair Athletic Fields - NSHS	200,000	Current Revenue
Install Scoreboards	50,000	Current Revenue
Repair Playground and Play Areas - ES	80,000	Current Revenue
Replacement of CCTV Cameras - Various Schools	250,000	Current Revenue
FY 2016 Total	\$3,010,000	

CAPITAL MAINTENANCE (INFRASTRUCTURE)

FY2017 Projects

	Project Amount	Funding Source
Media Retrieval & PA Systems- CFHS	170,000	Current Revenue
Media Retrieval & PA Systems- GMC	150,000	Current Revenue
Construct Storage Buildings - CES & MVHS	100,000	Current Revenue
Construct Greenhouse - GMS	100,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	190,000	Current Revenue
Replace Walk-in Freezer & Refrigerator - NSHS	65,000	Current Revenue
Repair Phone Systems - VOIP Phase IV	130,000	Current Revenue
Replace Partition Wall - HOES & SMS	180,000	Current Revenue
FY 2017 Total	\$1,085,000	

FY2018 Projects

	Project Amount	Funding Source
Repair Interior & Exterior Finishes - PRES	1,000,000	Bond
Repair Interior & Exterior Finishes - NSHS	2,000,000	Bond
Repair Gym Floor & Bleachers - AGW	750,000	Bond
Repair Gym Floor & Bleachers - NSHS	800,000	Bond
Upgrade Fire Alarm Panel - AGWMS/GES	250,000	Current Revenue
Repair Field Drainage - MS & HS	250,000	Current Revenue
Repair Stage Rigging & Curtains - Phase III	350,000	Current Revenue
Repair Exterior (Paint) - Two (2) schools	200,000	Current Revenue
Construct Storage Buildings - ABES & DSMS	100,000	Current Revenue
Install Divider Wall - BPHS, NSHS & HHPMS	250,000	Current Revenue
Repair Phone Systems - VOIP Phase V	140,000	Current Revenue
FY 2018 Total	\$6,090,000	

FY2019 Projects

	Project Amount	Funding Source
Repair Exterior Envelope - WES	500,000	Bond
Repair Interior & Exterior Finishes - HHPMS	1,200,000	Bond
Repair Exterior Envelope - HOES	500,000	Bond
Install Messaging Marquees - CFHS (Electronic)	100,000	Current Revenue
Install Messaging Marquees - DSMS (Electronic)	100,000	Current Revenue
Install Messaging Marquees - AGWMS/GES/RES (Manual)	50,000	Current Revenue
Repair Phone Systems - VOIP Phase VI	140,000	Current Revenue
Replace Generator - Maintenance Complex	150,000	Current Revenue
Construct MS Bleachers - DSMS	300,000	Current Revenue
Replace Media Retrieval & PA Systems- KWBES	120,000	Current Revenue
Replace Media Retrieval & PA Systems- RRES	120,000	Current Revenue
Repair Athletic Fields Phase II - HHPMS & RTMS	300,000	Current Revenue
Repair Playground & Play Area - ES	80,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	220,000	Current Revenue
FY 2019 Total	\$3,880,000	

FY2020 Projects

	Project Amount	Funding Source
Repair Interior Finishes - SMS	750,000	Bond
Repair Interior Finishes - RTMS	750,000	Bond
Repair Interior Finishes - WCES	500,000	Bond
Replace Generator - SMS	550,000	Bond
Energy Performance Program Phase III	600,000	Bond
Replace Media Retrieval & PA Systems - GMS	150,000	Current Revenue
Replace Media Retrieval & PA Systems - NSHS	170,000	Current Revenue
Repair Playground & Play Area - ES	80,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	240,000	Current Revenue
FY 2020 Total	\$3,790,000	

CAPITAL MAINTENANCE (INFRASTRUCTURE)

FY2021 Projects

	Project Amount	Funding Source
Repair Athletic Fields & Outbuildings - CFHS	600,000	Bond
Repair Stormwater Mgmt - SHS	1,500,000	Bond
Construct Turf Field - TBD	1,000,000	Bond
Replace Media Retrieval & PA Systems - HOES	120,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	260,000	Current Revenue
Repair Playground & Play Area	80,000	Current Revenue
FY 2021 Total	\$3,560,000	

FY2022 Projects

	Project Amount	Funding Source
Repair Athletic Fields - BPHS	500,000	Bond
Repair Interior Finishes - GMS	750,000	Bond
Repair Interior Finishes - RRES	500,000	Bond
Repair Interior Finishes - KWBES	500,000	Bond
Repair Exterior (Paint) - Two (2) Schools	280,000	Current Revenue
Repair Field Drainage - MS & HS	250,000	Current Revenue
Repair Playground & Play Area ES	80,000	Current Revenue
FY 2022 Total	\$2,860,000	

FY2023 Projects

	Project Amount	Funding Source
Repair Athletic Fields - MVHS	500,000	Bond
Repair Interior Finishes - MBES	500,000	Bond
Repair Interior Finishes - CES	500,000	Bond
Repair Playground & Play Area - ES	80,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	260,000	Current Revenue
Replace Generators	400,000	Current Revenue
FY 2023 Total	\$2,240,000	

CAPITAL MAINTENANCE (INFRASTRUCTURE)

Pavement

FY2014 Projects

	Project Amount	Funding Source
Repair Pavement - AGW/GES	1,200,000	Bond
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	50,000	Current Revenue
Repair Tennis Courts - BPHS	250,000	Current Revenue
Repair Track - NSHS	200,000	Current Revenue
Total for 2014	\$2,100,000	

FY2015 Projects

	Project Amount	Funding Source
Repair Pavement HOES	500,000	Bond
Repair Tennis Courts (Overlay) - NSHS	100,000	Current Revenue
Repair Tennis Courts - MS	100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Total for 2015	\$1,100,000	

FY2016 Projects

	Project Amount	Funding Source
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Repair Track - CFHS	200,000	Current Revenue
Construct Bus Parking - Phase I	400,000	Current Revenue
Total for 2016	\$1,000,000	

FY2017 Projects

	Project Amount	Funding Source
Repair Pavement - AYBAC	500,000	Bond
Repair Pavement - PRES	500,000	Bond
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Repair Track - BPHS	200,000	Current Revenue
Expand and Repair Track - SHS	450,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	50,000	Current Revenue
Total for 2017	\$2,100,000	

FY2018 Projects

	Project Amount	Funding Source
Repair Pavement - HHPMS	500,000	Bond
Repair Tennis Courts - MS	100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	50,000	Current Revenue
Total for 2018	\$1,050,000	

FY2019 Projects

	Project Amount	Funding Source
Repair Pavement - RES	500,000	Bond
Repair Pavement - WES	500,000	Bond
Construct Bus Parking - Phase II	400,000	Current Revenue
Repair Tennis Courts - CFHS	100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Total for 2019	\$1,900,000	

CAPITAL MAINTENANCE (INFRASTRUCTURE)

FY2020 Projects

	Project Amount	Funding Source
Repair Pavement - WCES	500,000	Bond
Repair Pavement - NSHS (Student Lot)	500,000	Bond
Repair Pavement - SMS	500,000	Bond
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Repair Tennis Courts - MVHS	100,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	50,000	Current Revenue
Repair Track - MVHS	150,000	Current Revenue
Total for 2020	\$2,200,000	

FY2021 Projects

	Project Amount	Funding Source
Repair Pavement - RTMS	600,000	Bond
Repair Pavement - RRES	600,000	Bond
Construct Bus Parking - Phase III	400,000	Current Revenue
Repair Tennis Courts - MS	100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Total for 2021	\$2,100,000	

FY2022 Projects

	Project Amount	Funding Source
Repair Pavement - CFHS	800,000	Bond
Repair Pavement - GMS	600,000	Bond
Repair Tracks (Miscellaneous) - MS	50,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Total for 2022	\$1,850,000	

FY2023 Projects

	Project Amount	Funding Source
Repair Pavement - KWBES	500,000	Bond
Repair Pavement - Support Services	500,000	Bond
Repair Pavement - Fleet Services	500,000	Bond
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	400,000	Current Revenue
Total for 2023	\$1,900,000	

CAPITAL MAINTENANCE (INFRASTRUCTURE)

Environmental Upgrades

FY2014 Projects

Repair Mechanical System - HOES
Repair Mechanical System - AGW/GES
Upgrade HVAC (Boardroom) - AYBAC

Project Amount	Funding Source
1,100,000	Bond
1,540,000	Bond
250,000	Current Revenue
Total for 2014	\$2,890,000

FY2015 Projects

Repair Mechanical Systems - RES
Repair Mechanical Systems - BPHS
Replace CTE Dust Collection System - SMS, AGWMS, BPHS & NSHS

Project Amount	Funding Source
1,350,000	Bond
1,697,000	Bond
100,000	Current Revenue
Total for 2015	\$3,147,000

FY2016 Projects

Replace Package Units - FLEET

Project Amount	Funding Source
50,000	Current Revenue
Total for 2016	\$50,000

FY2017 Projects

Repair Mechanical Systems - HHPMS
Repair Mechanical Systems - PRES
Repair Mechanical Systems - Various

Project Amount	Funding Source
3,100,000	Bond
1,401,000	Bond
350,000	Current Revenue
Total for 2017	\$4,851,000

FY2018 Projects

Replace Boilers - BPHS
Repair Mechanical Systems - Various

Project Amount	Funding Source
650,000	Bond
375,000	Current Revenue
Total for 2018	\$1,025,000

FY2019 Projects

Repair Mechanical Systems - RTMS
Repair Mechanical Systems - WCES
Repair Mechanical Systems - SMS
Repair Mechanical Systems - Various

Project Amount	Funding Source
1,100,000	Bond
950,000	Bond
1,252,000	Bond
400,000	Current Revenue
Total for 2019	\$3,702,000

FY2020 Projects

Repair Mechanical Systems - RRES
Repair Mechanical Systems - Various

Project Amount	Funding Source
1,305,000	Bond
425,000	Current Revenue
Total for 2020	\$1,730,000

FY2021 Projects

Repair Mechanical Systems - NSHS
Replace CTE Dust Collection Systems-Variou

Project Amount	Funding Source
900,000	Bond
200,000	Current Revenue
Total for 2021	\$1,100,000

FY2022 Projects

Repair Mechanical Systems - TBD
Repair Mechanical Systems -Various

Project Amount	Funding Source
1,650,000	Bond
425,000	Current Revenue
Total for 2022	\$2,075,000

FY2023 Projects

Repair Mechanical Systems - MBES
Install Kitchen A/C - AGW/GES
Install Kitchen A/C - NSHS
Repair Mechanical Systems - AYBAC

Project Amount	Funding Source
1,000,000	Bond
500,000	Bond
500,000	Bond
650,000	Bond
Total for 2023	\$2,650,000

CAPITAL MAINTENANCE (INFRASTRUCTURE)

Roofs

FY2014 Projects	Project Amount	Funding Source
Replace Roof - NSHS	3,200,000	Bond
Total for 2014	\$3,200,000	
FY2015 Projects	Project Amount	Funding Source
Replace Roof - GMC	500,000	Bond
Total for 2015	\$500,000	
FY2016 Projects	Project Amount	Funding Source
Replace Roof - AGWMS/GES	1,900,000	Bond
Total for 2016	\$1,900,000	
FY2017 Projects	Project Amount	Funding Source
Replace Roof - HES Area D & E Outbuilding (Shingles)	350,000	Current Revenue
Total for 2017	\$350,000	
FY2018 Projects	Project Amount	Funding Source
Replace Roof - CFHS	1,661,000	Bond
Replace Roof - WES	250,000	Current Revenue
Total for 2018	\$1,911,000	
FY2019 Projects	Project Amount	Funding Source
Replace Roof - RRES	500,000	Bond
Replace Roof - RES (Area A-Shingle)	250,000	Current Revenue
Total for 2019	\$750,000	
FY2020 Projects	Project Amount	Funding Source
Replace Roof - AYBAC	750,000	Bond
Replace Roof - WCES	700,000	Bond
Replace Roof - SES (Shingles/Outbuildings)	275,000	Current Revenue
Total for 2020	\$1,725,000	
FY2021 Projects	Project Amount	Funding Source
Replace Roof - HOES	825,000	Bond
Replace Roof - RTMS	825,000	Bond
Replace Roof - PRES (Shingles)	250,000	Current Revenue
Total for 2021	\$1,900,000	
FY2022 Projects	Project Amount	Funding Source
Replace Roof - KWBES	800,000	Bond
Replace Roof - BPHS	900,000	Bond
Total for 2022	\$1,700,000	
FY2023 Projects	Project Amount	Funding Source
Replace Roof - Support Services	500,000	Bond
Replace Roof - GMS	850,000	Bond
Total for 2023	\$1,350,000	
Total for FY 14-23	\$89,101,000	



DEPARTMENT OF UTILITIES

All Projects

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total CIP (FY14-23)	Total Project Cost
Water Projects	104,524,000	33,457,000	13,764,000	5,721,000	100,000	1,818,000	1,796,000	14,112,000	250,000	484,000	3,687,000	75,189,000	179,713,000
Wastewater Projects	1,904,000	8,361,000	23,344,000	1,043,000	9,452,000	6,468,000	1,619,000	1,350,000	8,649,000	1,350,000	18,476,000	80,112,000	82,016,000
Both Water/Wastewater	1,450,000	200,000	200,000	200,000	175,000	250,000	250,000	250,000	250,000	250,000	7,045,000	9,070,000	10,520,000
Total	\$107,878,000	\$42,018,000	\$37,308,000	\$6,964,000	\$9,727,000	\$8,536,000	\$3,665,000	\$15,712,000	\$9,149,000	\$2,084,000	\$29,208,000	\$164,371,000	\$272,249,000

Operating Impacts Summary	Prior Funding	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
New Debt Service		0	1,895,000	1,516,000	0	0	0	0	0	0	0
Total		\$0	\$1,895,000	\$3,411,000	\$3,411,000	\$3,411,000	\$3,411,000	\$3,411,000	\$3,411,000	\$3,411,000	\$3,411,000

Project Funding	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY 2020	FY 2021	FY 2022	FY 2023	Total CIP (FY14-23)	Total Project Cost
Bond/Availability Funded Projects	0	1,078,000	0	621,000	360,000	0	546,000	13,862,000	0	234,000	16,608,000	33,309,000	33,309,000
Grant Funded Projects		0	0	0	0	0	0	0	0	0	0	0	0
ProRata Funded Projects	2,167,000	4,106,500	17,881,500	2,500,000	3,801,000	3,918,000	1,000,000	500,000	4,149,500	500,000	759,000	39,115,500	41,282,500
Operations	4,267,000	5,756,500	19,426,500	3,843,000	5,566,000	4,618,000	2,119,000	1,350,000	4,999,500	1,350,000	11,841,000	60,869,500	65,136,500
Totals	6,434,000	10,941,000	37,308,000	6,964,000	9,727,000	8,536,000	3,665,000	15,712,000	9,149,000	2,084,000	29,208,000	133,294,000	139,728,000
Maximum Funding Level	---	35,036,000	48,628,000	15,663,000	14,779,000	13,230,000	14,179,000	21,385,000	17,694,000	22,032,000	35,252,000	---	---
Cumulative (deficit)/surplus	---	24,095,000	11,320,000	8,699,000	5,052,000	4,694,000	10,514,000	5,673,000	8,545,000	19,948,000	6,044,000	---	---



DEPARTMENT OF UTILITIES

Water

Projects	Prior Funding	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Total CIP (FY14-23)	Total Project Cost
342 Zone Water System Imp. - Phase 1	3,250,000		11,250,000									11,250,000	14,500,000
342 Zone Water System Imp. - Phase 2				5,000,000								5,000,000	5,000,000
Abel Lake WTF Upgrades								13,862,000				13,862,000	13,862,000
Courthouse Area Water Improvements		1,350,000										1,350,000	1,350,000
Courthouse Area Water Tank			2,414,000									2,414,000	2,414,000
Moncure Water Booster Pump Station						1,718,000						1,718,000	1,718,000
Regional Water Interconnection											3,437,000	3,437,000	3,437,000
Rocky Pen Run Dam & Reservoir	78,651,000	15,630,000										15,630,000	94,281,000
Rocky Pen Run Mitigation Projects	2,815,000	1,815,000										1,815,000	4,630,000
Rocky Pen Run Water Treatment Facility	19,708,000	13,632,000										13,632,000	33,340,000
Small Water Projects		630,000		621,000			546,000			234,000		2,031,000	2,031,000
Smith Lake Distribution PS Upgrade							1,000,000					1,000,000	1,000,000
Water Distribution System Rehab Program	100,000	400,000	100,000	100,000	100,000	100,000	250,000	250,000	250,000	250,000	250,000	2,050,000	2,150,000
Total	\$ 104,524,000	\$ 33,457,000	\$ 13,764,000	\$ 5,721,000	\$ 100,000	\$ 1,818,000	\$ 1,796,000	\$ 14,112,000	\$ 250,000	\$ 484,000	\$ 3,687,000	\$ 75,189,000	\$ 179,713,000

342 ZONE WATER SYSTEM IMPROVEMENTS - PHASES 1 & 2

Total Project Cost:

\$19,500,000

Est. Opening Date:

2016

PROGRAM DESCRIPTION

The Water and Sewer Master Plan recommends construction of new 30" and 24" water lines from the new Rocky Pen Run WTF as well as replacement of older undersized water lines in the 342 water pressure zone to facilitate the transfer of water into the water distribution system. The project consists of 3 phases:
 Phase 1 - construction of 15,300 feet of 24-inch water line to the east from Olde Forge Drive along Warrenton Road and Butler Road to Cool Spring Road and along Beagle Road, south of Truslow Road
 Phase 2 - 17,600 feet of 30-inch water line from the intersection of Sanford Drive and Greenbank Road to the intersection of Olde Forge Drive and Warrenton Road
 Phase 3 - 5,550 feet of 30-inch water line from the Rocky Pen Run Water Treatment Facility to the intersection of Sanford Drive and Greenbank Road

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

These improvements are critical to get water from the new Rocky Pen Run WTF into the distribution system as well as to provide adequate piping to transfer water as needed throughout the pressure zone.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	500,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	250,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	2,500,000	0	11,250,000	5,000,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$3,250,000	\$0	\$11,250,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	1,625,000	0	5,625,000	2,500,000	0	0	0	0	0	0	0
User Fees	1,625,000	0	5,625,000	2,500,000	0	0	0	0	0	0	0
Total	\$3,250,000	\$0	\$11,250,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ABEL LAKE WATER TREATMENT FACILITY UPGRADE

Total Project Cost:

\$13,862,000

Est. Opening Date:

2022

PROGRAM DESCRIPTION

This project will convert the previously-mothballed Abel Lake Water Treatment Facility (WTF) to a membrane facility similar to Rocky Pen Run WTF. It will also increase the peak treatment capacity from 6.0 million gallons per day (mgd) to 7.2 mgd. The upgrade is needed to maintain the ability to meet average and peak day water demands.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Project will provide additional water treatment capacity necessary to continue to meet average and peak day water demands.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	13,862,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,862,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	13,862,000	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,862,000	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COURTHOUSE AREA WATER IMPROVEMENTS

Total Project Cost:

\$1,350,000

Est. Opening Date:

2014

PROGRAM DESCRIPTION

Water main improvements along Courthouse Road and Wyche Road to improve capabilities for transferring water from Courthouse Road to Route 1 and vice versa.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This project is needed as part of the new 370N water pressure zone creation to improve water pressure, fire flows, accommodate growth in the Courthouse UDA, and improve capabilities to transfer water from Courthouse Road to Route 1 and vice versa.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,350,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	675,000	0	0	0	0	0	0	0	0	0
User Fees	0	675,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COURTHOUSE AREA WATER TANK

Total Project Cost: \$2,414,000

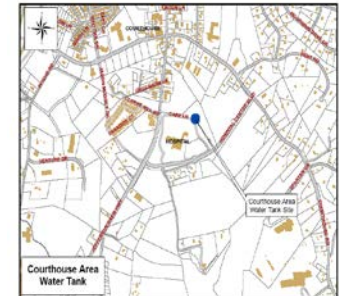
Est. Opening Date: 2015

PROGRAM DESCRIPTION

Construction of a 1.0 million gallon elevated water tank in the Courthouse area near the new hospital to meet increasing water service and fire flow requirements. (433-100) This project will allow the creation of the 370N water pressure zone and, in conjunction with the installation of pressure reducing valves on Mountain View Road and Ramoth Church Road, provide adequate fire flow in the central portion of the county.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides adequate capacity to meet increasing water service and fire flow requirements as well as increased water pressure in the Courthouse area including the new Courthouse Urban Development Area.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,414,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,414,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	1,207,000	0	0	0	0	0	0	0	0
User Fees	0	0	1,207,000	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,414,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

MONCURE WATER BOOSTER PUMP STATION

Total Project Cost:

\$1,718,000

Est. Opening Date:

2018

PROGRAM DESCRIPTION

Upgrade of water booster pump station to meet increased water demands in the 433 and 472 water pressure zones which serve the northern part of the county as well as the Camp Barrett area of Quantico.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Upgrade will provide additional pumping capacity and pump redundancy to maintain our ability to meet increased water demands.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	1,718,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,718,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	859,000	0	0	0	0	0
User Fees	0	0	0	0	0	859,000	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,718,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

REGIONAL WATER INTERCONNECTION

Total Project Cost:

\$3,437,000

Est. Opening Date:

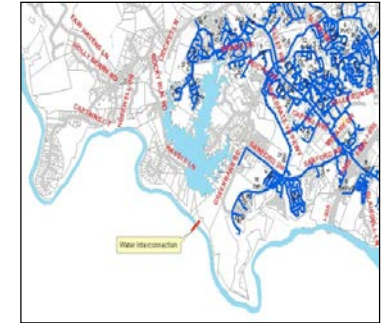
2023

PROGRAM DESCRIPTION

Emergency water interconnection with Spotsylvania County in the vicinity of the Rocky Pen Run Water Treatment Facility and the Motts Run Water Treatment Facility. This will enable the transfer of treated water from one locality to the other at up to 5 to 10 mgd. Stafford and Spotsylvania are expected to each cover 40% of the total project cost, and Fredericksburg is expected to cover the remaining 20% of the cost. This CIP project is for Stafford's 40% of the total cost.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The project will greatly increase our capability to transfer treated water to or from Spotsylvania on an emergency basis and will enhance the reliability of each locality's water distribution system. We are currently limited to a transfer capacity of approximately 1.5 mgd through the existing Chatham and Falmouth interconnections with the City of Fredericksburg.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	3,437,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,437,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	3,437,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,437,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROCKY PEN RUN DAM & RESERVOIR

Total Project Cost:

\$94,281,000

Est. Opening Date:

2014

PROGRAM DESCRIPTION

Construction of a dam, reservoir, and river intake pump station for a pumped storage water supply and treatment facility near the Rappahannock River. When full, the reservoir will hold in excess of 5.3 billion gallons of water. The Board of Supervisors endorsed the construction of the Rocky Pen Run Reservoir to meet future water demands. Will increase water treatment capacity by 10 MGD initially with ability to incrementally increase treatment capacity up to 20 MGD and perhaps 25 MGD. In combination with Smith Lake and Abel Lake, the total safe yield capacity will increase from 13.8 MGD to approximately 26.7 MGD.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This new reservoir is critical to meeting future water demands. Without it, we will be unable to meet near-term peak day water demands during the summer months and even average day water demands over the long term.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	78,651,000	15,630,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$78,651,000	\$15,630,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	24,500,000	15,630,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	54,151,000	0	0	0	0	0	0	0	0	0	0
Total	\$78,651,000	\$15,630,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	903,884	903,884	903,884	903,884	903,884	903,884	903,884	903,884	903,884
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$903,884	\$903,884	\$903,884	\$903,884	\$903,884	\$903,884	\$903,884	\$903,884	\$903,884

ROCKY PEN RUN MITIGATION PROJECTS

Total Project Cost:

\$4,630,000

Est. Opening Date:

2014

PROGRAM DESCRIPTION

Projects required under Corps of Engineers permit to construct the Rocky Pen Run Dam and Reservoir to mitigate for lost stream miles due to the construction. Over 20 projects are included such as elimination of a fish passage blockage in Claiborne Run near the Chatham area, a number of stormwater enhancements, as well as a number of stream bank restoration and stabilization projects.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

These projects mitigate the inundation of streams due to construction of the Rocky Pen Run Reservoir.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	2,815,000	1,815,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,815,000	\$1,815,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	2,815,000	1,815,000	0	0	0	0	0	0	0	0	0
Total	\$2,815,000	\$1,815,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROCKY PEN RUN WATER TREATMENT FACILITY

Total Project Cost:

\$33,340,000

Est. Opening Date:

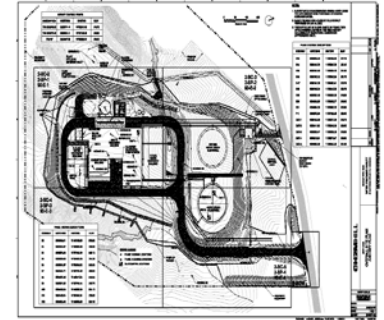
2014

PROGRAM DESCRIPTION

Construction of a new water treatment facility adjacent to the new Rocky Pen Run Reservoir. The facility will utilize membrane technology and will initially be rated at 10 million gallons per day (mgd), with a peak capacity of 12 mgd in the summer. The treatment capacity can be incrementally increased with the purchase of additional membranes and additional tankage.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

This water treatment facility is critically needed to meet both peak water demands in the short term as well as average and peak-day demands in the long term.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	19,708,000	13,632,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$19,708,000	\$13,632,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	14,500,000	13,632,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	5,208,000	0	0	0	0	0	0	0	0	0	0
Total	\$19,708,000	\$13,632,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	788,340	788,340	788,340	788,340	788,340	788,340	788,340	788,340	788,340
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$788,340	\$788,340	\$788,340	\$788,340	\$788,340	\$788,340	\$788,340	\$788,340	\$788,340

Small Water Projects

Total Project Cost: \$2,031,000

Est. Opening Date: 2022

PROGRAM DESCRIPTION

1. Washington Gardens Water Line - construction of 800 feet of 12" water line to connect the 12" main on Cambridge Street to the 12" main on Lightning Maple Lane at an estimated cost of \$234,000 - FY22
2. 370/310 Zone Pressure Reducing Valves - installation of pressure reducing valve vaults to provide for transfer of water from the 370N water pressure zone to the 310 water pressure zone as needed at an estimated cost of \$546,000 - FY19
3. Onville Road/Garrisonville Road VDOT Project - replacement of 1,350 feet of 12-inch water main with 18-inch water main at a cost of \$193,000 in FY14. Will provide additional capacity to the Shelton Shop area.
4. Falmouth Intersection / VDOT - Water Project - \$437,000 in FY14
5. Debruen Lane Water Line - \$421,000 in FY16
6. Heritage Oaks Water Line - \$100,000 in FY16
7. King George's Grant Water Loop - \$100,000 in FY16+C83

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

These projects improve fire suppression flows and provide additional water transmission capacity.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	630,000	0	621,000	0	0	546,000	0	0	234,000	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$630,000	\$0	\$621,000	\$0	\$0	\$546,000	\$0	\$0	\$234,000	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	630,000	0	621,000	0	0	546,000	0	0	234,000	0
Total	\$0	\$630,000	\$0	\$621,000	\$0	\$0	\$546,000	\$0	\$0	\$234,000	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Smith Lake Distribution Pump Station Upgrade

Total Project Cost: \$1,000,000 **Est. Opening Date:** 2019

PROGRAM DESCRIPTION

Upgrades to the Smith Lake Distribution Pump Station are needed due to age and also due to the need to increase the pumping capacity from 13 million gallons per day (mgd) to 15 mgd. This pump station pumps all of the water produced at the Smith Lake Water Treatment Facility out into the water distribution system.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

The upgrade of this water pump station is critical to maintaining our ability to meet water demand, even on peak usage days.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	1,000,000	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	500,000	0	0	0	0
User Fees	0	0	0	0	0	0	500,000	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WATER DISTRIBUTION SYSTEM REHABILITATION PROGRAM

Total Project Cost:

\$2,150,000

Est. Opening Date:

Ongoing
Program

PROGRAM DESCRIPTION

Replacement of deteriorating, corroded and under-sized water mains to avoid pipe failures, minimize water quality complaints and enhance the ability to move water where it is needed in a timely manner. Also, installation of additional valves and fire hydrants to minimize the number of customers affected by water breaks and improve fire suppression capabilities. Will maintain water distribution system reliability and enhance fire suppression capabilities.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Improvements will avoid pipe failures and subsequent interruptions in service to our customers as well as minimize water quality complaints.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	100,000	400,000	100,000	100,000	100,000	100,000	250,000	250,000	250,000	250,000	250,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	100,000	400,000	100,000	100,000	100,000	100,000	250,000	250,000	250,000	250,000	250,000
Total	\$100,000	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



DEPARTMENT OF UTILITIES

Wastewater

Projects	Prior Funding	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total CIP (FY13-22)	Total Project Cost
Austin Run Pump Station Replacement	270,000	5,200,000										5,200,000	5,470,000
Claiborne Run Gravity Sewer Replacment	800,000		2,144,000									2,144,000	2,944,000
Claiborne Run PS Generator Replacement	200,000	1,000,000										1,000,000	1,200,000
Claiborne Run PS Force Main Replacement			6,216,000									6,216,000	6,216,000
Claiborne Run Pump Station Replacement					6,602,000							6,602,000	6,602,000
Country Ridge Pump Station Replacement	200,000										518,000	518,000	718,000
Ebenezer Church Pump Station Replacement	84,000		636,000									636,000	720,000
Equipment Replacement - Aquia WWTF			895,000		1,140,000							2,035,000	2,035,000
Equipment Replacement - Little Falls Run WWTF				693,000								693,000	693,000
Falls Run PS Force Main Replacement			2,100,000									2,100,000	2,100,000
Falls Run Pump Station Replacement									4,339,000			4,339,000	4,339,000
Falls Run Sewer Interceptor Replacement - Phase 2			5,912,000									5,912,000	5,912,000
Gravity Sewer Along Austin Run						5,118,000						5,118,000	5,118,000
Little Falls Run WWTF - 3rd Treatment Train											16,608,000	16,608,000	21,616,000
Oaks of Stafford Pump Station Replacement			515,000									515,000	515,000
Old Route 3 Pump Station Replacement		663,000										663,000	663,000
Potomac Creek Pump Station & Force Main Replacement									2,960,000			2,960,000	2,960,000
Route 1 North Sewer			4,152,000									4,152,000	4,152,000
Small Sewer Projects		448,000			360,000		269,000					1,077,000	1,077,000
Sweetbriar Woods Pump Station Force Main Replacement			424,000									424,000	424,000
Wastewater Collection System Rehabilitation Projects	100,000	400,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,300,000	1,400,000
Wastewater Pump Station Rehabilitation Program	250,000	650,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,900,000	3,150,000
Wastewater Pump Station Replacements					1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	7,000,000	7,000,000
Total \$	1,904,000	\$ 8,361,000	\$ 23,344,000	\$ 1,043,000	\$ 9,452,000	\$ 6,468,000	\$ 1,619,000	\$ 1,350,000	\$ 8,649,000	\$ 1,350,000	\$ 18,476,000	\$ 80,112,000	\$ 87,024,000

AUSTIN RUN PUMP STATION REPLACEMENT

Total Project Cost: \$5,470,000

Est. Opening Date: 2014

PROGRAM DESCRIPTION

Replacement of the existing pumping station with a new 28 million gallon per day station just west of the Aquia WWTF and replacement of the existing force main with a 36" diameter gravity sewer pipe. (A-210) The additional capacity is needed to accommodate increased flows from expected growth in the northern urban development and redevelopment areas. In addition, the Camp Barrett area of Quantico has asked to increase their sewer capacity from the current 0.7 million gallons per day (mgd) to 1.4 mgd. Upgrades to the Austin Run PS are required in order to be able to accommodate average and peak flows associated with this increase from Camp Barrett.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Additional wastewater pumping and transmission capacity is necessary to serve the commercial and residential development west of I-95 from Route 630 north to Aquia Creek. The Water and Sewer Master Plan recommends increasing the capacity of the existing facilities to handle buildout flows.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	270,000	5,200,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$270,000	\$5,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	135,000	2,600,000	0	0	0	0	0	0	0	0	0
User Fees	135,000	2,600,000	0	0	0	0	0	0	0	0	0
Total	\$270,000	\$5,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FALLS RUN PUMP STATION FORCE MAIN REPLACEMENT

Total Project Cost: \$2,100,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Replacement of the Falls Run Pump Station Force Main. The existing 16-inch force main would be replaced with 9,841 feet of 30" pipe at \$180 per foot. The increase in the size of the force main, which will reduce friction losses thru the pipe, will provide additional capacity needed to accommodate flows from the Southern Gateway Urban Development Area, the Falmouth Redevelopment Area as well as future development to the west of Stafford Lakes. This project will convey increased wastewater volumes from the Warrenton Road corridor to the Claiborne Run Pump Station and ultimately to the Little Falls Run Wastewater Treatment Facility.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This project will provide the additional capacity necessary to handle increased wastewater flows from the Southern Gateway UDA and the Falmouth Redevelopment Area.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,100,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	1,050,000	0	0	0	0	0	0	0	0
User Fees	0	0	1,050,000	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FALLS RUN PUMP STATION REPLACEMENT

Total Project Cost: \$4,339,000

Est. Opening Date: 2021

PROGRAM DESCRIPTION

Current pump station is rated at 9.4 MGD. Replacement station would be rated at 15.5 MGD. Additional capacity will be needed to accommodate flows from the Southern Gateway and Falmouth Redevelopment Areas. This project will convey increased wastewater volumes from the Warrenton Road corridor to the Claiborne Run Pump Station and ultimately to the Little Falls Run Wastewater Treatment Facility.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

This project will provide the additional capacity necessary to handle increased wastewater flows from the Southern Gateway UDA and the Falmouth Redevelopment Area.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	4,339,000	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,339,000	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	2,169,500	0	0
User Fees	0	0	0	0	0	0	0	0	2,169,500	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,339,000	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WASTEWATER COLLECTION SYSTEM REHABILITATION PROJECTS

Total Project Cost: \$1,400,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Ongoing rehabilitation program for the County's 415 miles of gravity sewers, 55 miles of pump station force mains, and 14 miles of low pressure sewer lines. Program systematically provides upgrades to reduce the amount of inflow of surface water and infiltration of groundwater into the sanitary sewer system. The program also seeks to identify and replace deteriorated conditions before catastrophic failures can occur. Reductions in inflow and infiltration can reduce the current treatment capacities needed at the two wastewater treatment facilities and provide additional capacity for growth without requiring upgrades to the wastewater collection and/or treatment systems.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

This project will replace or repair aging and deteriorated sewer infrastructure to enhance the overall reliability of the wastewater collection system.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	100,000	400,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	100,000	400,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Total	\$100,000	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WASTEWATER PUMP STATION REHABILITATION PROGRAM

Total Project Cost: \$3,150,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

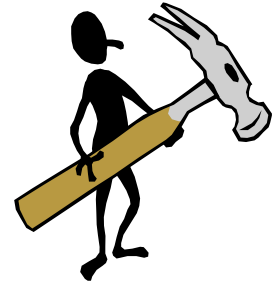
Ongoing rehabilitation program for the County's 89 wastewater pump stations. Program systematically upgrades all outdated pumping stations with modern mechanical, electrical and control equipment. This program reinforces the County's efforts to minimize the chances for sewage overflows or spillages due to failure of one of its pump stations. Redundant equipment is installed to provide additional reliability and alarms are maintained to provide notice of an impending problem in order that it can be corrected prior to any overflow or spillage of sewage.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This program will enhance the reliability and extend the life of our wastewater pump stations to lessen the chance of system failures and potential overflows.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	250,000	650,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$250,000	\$650,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	250,000	650,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total	\$250,000	\$650,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WASTEWATER PUMP STATION REPLACEMENTS

Total Project Cost: \$7,000,000

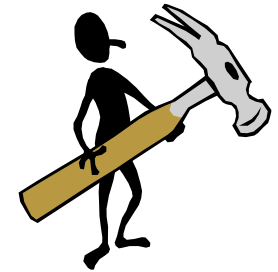
Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

This program will identify and replace wastewater pump stations based on condition and/or capacity issues to prevent the likelihood of pump station failures, sewage overflows, etc. Each year the stations in need of replacement will be prioritized and addressed as funding is available.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

A number of the wastewater pump station have exceeded their expected useful lives due to rehabilitation performed by our mechanics. However, this is not sustainable, and these stations will soon need to be replaced due to condition and/or capacity issues. Failure to address these issues in a timely manner will result in mechanical failures, sewage overflows, and potential fines from the regulatory agencies.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	500,000	500,000	500,000	500,000	500,000	500,000	500,000
User Fees	0	0	0	0	500,000	500,000	500,000	500,000	500,000	500,000	500,000
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COUNTRY RIDGE PUMP STATION REPLACEMENT

Total Project Cost:

\$718,000

Est. Opening Date:

2023

PROGRAM DESCRIPTION

Replacement of existing pump station due to condition and capacity issues. Project will include providing better access to the pump station as well as additional landscaping to minimize the station's impact on the surrounding community.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This project will not only provide better access to the pump station, but it will enable us to enhance the site the pump station is located on to lessen any adverse impact on the surrounding homes.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	200,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	518,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$518,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	259,000
User Fees	200,000	0	0	0	0	0	0	0	0	0	259,000
Total	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$518,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 1 NORTH SEWER

Total Project Cost: \$4,152,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Replace 5,300 feet of existing undersized asbestos cement sewer with 18" or larger pipe made of modern materials. The Water and Sewer Master Plan recommends replacing 5,300 feet of existing undersized sewer to meet projected build out flows from commercial development adjacent to the Quantico Marine Corps Base. Additional flows are anticipated from the Boswell's Corner Redevelopment Area.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

This upgrade will enable us to provide the increased capacity needed to serve the Boswell's Corner Redevelopment Area.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	4,152,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$4,152,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	2,076,000	0	0	0	0	0	0	0	0
User Fees	0	0	2,076,000	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$4,152,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CLAIBORNE RUN PUMP STATION FORCE MAIN REPLACEMENT

Total Project Cost: \$6,216,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Construction of 35,600 feet of new parallel 24-inch force main at a cost of \$150 per foot. Additional capacity needed to accommodate flows from Southern Gateway and Falmouth Redevelopment Areas as well as Urban Development Areas in southern Stafford. Provides additional wastewater pumping C82capacity to convey higher wastewater volumes from the southern part of the County to the Little Falls Run Wastewater Treatment Facility.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This pump station pumps all of the flow from south Stafford to the Little Falls Run Wastewater Treatment Facility. The additional force main is necessary to provide additional capacity needed to handle increased flows expected from the urban development and redevelopment areas in the southern part of the county.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	6,216,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$6,216,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	3,108,000	0	0	0	0	0	0	0	0
User Fees	0	0	3,108,000	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$6,216,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CLAIBORNE RUN PUMP STATION REPLACEMENT

Total Project Cost: \$6,602,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

Replacement of existing 8.1 MGD pump station with a new 30 MGD pump station. Original pump station was constructed in 1978 and is nearing end of its useful life. Additional capacity needed to accommodate flows from Southern Gateway and Falmouth Redevelopment Areas as well as Urban Development Areas in southern Stafford. Provides additional wastewater pumping capacity to convey higher wastewater volumes from the southern part of the county to the Little Falls Run Wastewater Treatment Facility. All of the wastewater generated in south Stafford passes through this pump station on its way to the Little Falls Run Wastewater Treatment Facility.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This pump station pumps all of the flow from south Stafford to the Little Falls Run Wastewater Treatment Facility. This project is necessary to provide additional capacity needed to handle increased flows expected from the urban development and redevelopment areas in the southern part of the county.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	6,602,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$6,602,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	3,301,000	0	0	0	0	0	0
User Fees	0	0	0	0	3,301,000	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$6,602,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FALLS RUN SEWER INTERCEPTOR REPLACEMENT - PHASE 2

Total Project Cost: \$5,912,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Project to replace 13,100 linear feet of 12" and 15" gravity sewer main along Falls Run with 24" pipe from the terminus of the 30" main near Stanstead Road near I-95 to the vicinity of Pennsbury Court in Cardinal Forest. The existing sewer interceptor was constructed in the 1970s of materials susceptible to hydrogen sulfide damage, a constituent commonly found in sewer systems. Changes in stream alignment have left some sections of the existing sewer interceptor exposed and/or subject to wash-out from high stream flow events. Upgrade will provide additional capacity for flows from the Southern Gateway Redevelopment Area. This project will provide additional capacity for future development west of I-95 and will also substantially reduce the likelihood of pipe failure and subsequent pollution of Falls Run.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Any additional development to the west of Cardinal Forest will necessitate replacement of the upper portion of the Falls Run Sewer Interceptor to increase the pipe size and capacity.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	5,912,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$5,912,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	2,956,000	0	0	0	0	0	0	0	0
User Fees	0	0	2,956,000	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$5,912,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EQUIPMENT REPLACEMENT - AQUIA WASTEWATER TREATMENT FACILITY

Total Project Cost: \$2,035,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

Replacement of sludge dewatering centrifuge and other capital equipment.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Maintains reliability of the wastewater treatment facility.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	895,000	0	1,140,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$895,000	\$0	\$1,140,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	895,000	0	1,140,000	0	0	0	0	0	0
Total	\$0	\$0	\$895,000	\$0	\$1,140,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SMALL SEWER PROJECTS

Total Project Cost: \$1,077,000

Est. Opening Date: 2019

PROGRAM DESCRIPTION

1. Onville Road/Garrisonville Road VDOT Project - relocation of 2,000 feet of 10" force main upgraded to 18" and replacement of 1,250 feet of gravity sewer with 18" gravity sewer at a cost of \$380,000 in FY14
2. Rt. 1 at Aquia Creek VDOT Project - upgrade 321 feet of existing 12-inch gravity sewer to 30-inch along Jefferson Davis Highway as a betterment to the VDOT Rt. 1 Aquia Creek Bridge Project. Constructing this project now as part of the VDOT project will avoid future impacts to the project when the Rt. 1 / Sunnyside project is constructed at a later date. Project cost will be \$68,000 in FY14.
3. Bosun Cove / Brentsmill Sewer - gravity sewer line that will eliminate one pump station in Aquia Harbour - \$150,000 in FY17
4. Denrich / Brentsmill Sewer - gravity sewer line that will eliminate pump station adjacent to Widewater Elementary School - \$210,000 in FY17
5. Replacement of 650 feet of Gravity Sewer in the upper reach of the Claiborne Run Sewer Interceptor - larger pipe needed to accommodate growth - \$269,000 in FY19

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

These projects will take advantage of VDOT initiatives to minimize project costs and reduce future impacts on the roads. In addition, two of these projects will eliminate pump stations and the related O&M costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	448,000	0	0	360,000	0	269,000	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$448,000	\$0	\$0	\$360,000	\$0	\$269,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	448,000	0	0	360,000	0	269,000	0	0	0	0
Total	\$0	\$448,000	\$0	\$0	\$360,000	\$0	\$269,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

POTOMAC CREEK PUMP STATION & FORCE MAIN REPLACEMENT

Total Project Cost: \$2,960,000

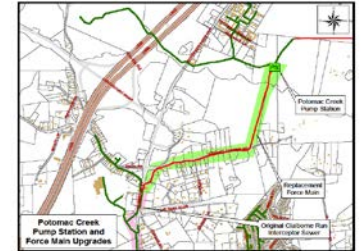
Est. Opening Date: 2021

PROGRAM DESCRIPTION

Replacement of the existing pumping station with a new 4.34 million gallon per day station and replacement of the existing force main with 16" force main. (General Sewer Improvement Projects LFR-129 and LFR-226) The Water and Sewer Master Plan recommends increasing the capacity of the existing facilities to handle buildout flows.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Additional wastewater pumping and transmission capacity is necessary to serve the commercial and residential development.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	2,960,000	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,960,000	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	1,480,000	0	0
User Fees	0	0	0	0	0	0	0	0	1,480,000	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,960,000	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

LITTLE FALLS RUN WWTF - THIRD TREATMENT TRAIN

Total Project Cost: \$16,608,000

Est. Opening Date: 2024

PROGRAM DESCRIPTION

Upgrade and expand facility to provide a firm 8 mgd capacity - the ability to treat up to 8 million gallons per day with one entire treatment train out of service. Denitrification tanks will be constructed to meet nutrient discharge limits at higher flow rates. With the addition of additional aeration capacity, the facility can potentially be increased to a capacity of 10 mgd like the Aquia WWTF. Construction will run from FY2022 to FY2024 with additional cost of \$5,008,000 projected for FY2024.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Will enable treatment facility to accommodate future flow increases and enhance the reliability of the facility.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	16,608,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,608,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	16,608,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,608,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EQUIPMENT REPLACEMENT - LITTLE FALLS RUN WWTF

Total Project Cost: \$693,000

Est. Opening Date: 2016

PROGRAM DESCRIPTION

Replacement centrifuge for dewatering biosolids.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This will replace aging infrastructure and maintain our capability to dewater biosolids to accommodate the treatment needs as well as reduce transportation costs for biosolids land application.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	693,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$693,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	693,000	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$693,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

GRAVITY SEWER ALONG AUSTIN RUN

Total Project Cost: \$5,118,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Replace 3,550 feet of existing asbestos cement sewer pipe with 36" diameter sewer adjacent to Austin Run. (General Sewer Improvement Plan project A-18)

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

The Water and Sewer Master Plan recommends replacing this section of aging pipe operating near capacity with new pipe of modern materials and sized for buildout conditions to reduce chances of failure and meet expected commercial and residential demands from the service area along Route 610. The upgrade is also needed to accommodate increased flows expected from the Camp Barrett area of Quantico.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	5,118,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$5,118,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	2,559,000	0	0	0	0	0
User Fees	0	0	0	0	0	2,559,000	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$5,118,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CLAIBORNE RUN GRAVITY SEWR INTERCEPTOR REPLACEMENT

Total Project Cost: \$2,944,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Replace 6,200 feet to the existing Claiborne Run Gravity Sewer Interceptor with 42" pipe. The Claiborne Run gravity sewer was installed in the 1970's using asbestos cement pipe. This material has since been found to deteriorate in the presence of hydrogen sulfide - a common constituent in wastewater. Consequently, large sections of this sewer line have deteriorated to the point of imminent failure. This, combined with the expansion of the southern part of the Urban Service Area, make it imperative to replace this sewer with a larger pipe and modern materials. a 10-foot section of the existing sewer interceptor washed out during the recent hurricane and tropical storm. As repairs were made, severe deterioration of the upper crown portion of the interior of the pipe was noted - most likely due to hydrogen sulfide corrosion of the asbestos cement pipe. This needs to be addressed in the very near future to avoid future failures, sewage spillages, and potential fines. Three to four million gallons of sewage pass through this sewer interceptor on an average day. During the recent wash-out, over 12 million gallons of flow was pumped to the Little Falls Run WWTF - mostly the result of water from Claiborne Run entering the sewer interceptor at the point of the wash-out. This caused extremely difficult challenges for the operating staff at the WWTF.

OPERATING IMPACT SUMMARY

This project will replace deteriorating pipe with larger pipe to expand its capacity. Replacement of the aging pipe will also reduce the amount of maintenance required and enhance the reliability of the sewer transmission line.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	800,000	0	2,144,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$800,000	\$0	\$2,144,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	400,000	0	1,072,000	0	0	0	0	0	0	0	0
User Fees	400,000	0	1,072,000	0	0	0	0	0	0	0	0
Total	\$800,000	\$0	\$2,144,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CLAIBORNE RUN PUMP STATION GENERATOR REPLACEMENT

Total Project Cost: \$1,200,000

Est. Opening Date: 2014

PROGRAM DESCRIPTION

This project will replace an undersized generator that is not capable of running all of the pumps at the pump station and does not provide the reliability needed for this major pump station.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

This project will enhance the reliability of the Claiborne Run Pump Station which handles all of the flow treated at the Little Falls Run WWTF.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	200,000	1,000,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	100,000	500,000	0	0	0	0	0	0	0	0	0
User Fees	100,000	500,000	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

OAKS OF STAFFORD PUMP STATION REPLACEMENT

Total Project Cost: \$515,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Design and construction of a replacement for the Oaks of Stafford Pump station. The equipment and concrete structure of this pump station have reached the end of their useful lives. Furthermore, flows projected for this area are expected to exceed the capacity of this station.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan



OPERATING IMPACT SUMMARY

This project will replace aging infrastructure with new equipment and enhance the reliability of the wastewater collection system in this area. Failure to address these issues will increase the likelihood of equipment failures, sewage overflows, and potential fines associated with the overflows.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	515,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$515,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	257,500	0	0	0	0	0	0	0	0
User Fees	0	0	257,500	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$515,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

OLD RT. 3 PUMP STATION REPLACEMENT

Total Project Cost: \$663,000

Est. Opening Date: 2014

PROGRAM DESCRIPTION

Replace the Old Route 3 Pumping Station. The station has deteriorated and allows ground water to leak into the pump station. The mechanical equipment is worn and in need of replacement. The new station will consist of a concrete wetwell constructed above the flood plain with an above-grade suction lift pumping system.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan



OPERATING IMPACT SUMMARY

This project will replace aging infrastructure with new equipment and enhance the reliability of the wastewater collection system in this area. Failure to address these issues will increase the likelihood of equipment failures, sewage overflows, and potential fines associated with the overflows.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	663,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$663,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	331,500	0	0	0	0	0	0	0	0	0
User Fees	0	331,500	0	0	0	0	0	0	0	0	0
Total	\$0	\$663,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EBENEZER CHURCH PUMP STATION REPLACEMENT

Total Project Cost: \$720,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Replace the Ebenezer Church Pump Station. The station has deteriorated; the mechanical equipment is worn and in need of replacement..

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

This project will replace aging infrastructure with new equipment and enhance the reliability of the wastewater collection system in this area. Failure to address these issues will increase the likelihood of equipment failures, sewage overflows, and potential fines associated with the overflows.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	84,000	0	636,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$84,000	\$0	\$636,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	42,000	0	318,000	0	0	0	0	0	0	0	0
User Fees	42,000	0	318,000	0	0	0	0	0	0	0	0
Total	\$84,000	\$0	\$636,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SWEETBRAIR WOODS PUMP STATION FORCE MAIN REPLACEMENT

Total Project Cost: \$424,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Replace the Sweetbriar Woods Pump Station force main and some gravity sewer. The station has experienced sewage overflows in the past. Replacing the force main will decrease the friction in the pipe and increase the pumping capacity of the station.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Upgrading this force main to a larger diameter pipe will increase the pumping capacity of the pump station without actually replacing the pumps and will reduce the likelihood of sewage overflows due to lack of pumping capacity at the pump station.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	424,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$424,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	212,000	0	0	0	0	0	0	0	0
User Fees	0	0	212,000	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$424,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



DEPARTMENT OF UTILITIES

Both Water & Wastewater

Projects	Prior Funding	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total CIP (FY13-22)	Total Project Cost
Stafford County Complex	1,250,000										6,795,000	6,795,000	8,045,000
Vehicles & Equipment Replacements	200,000	200,000	200,000	200,000	175,000	250,000	250,000	250,000	250,000	250,000	250,000	2,275,000	2,475,000
Total	\$1,450,000	\$200,000	\$200,000	\$200,000	\$175,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$7,045,000	\$ 9,070,000	\$ 10,520,000

STAFFORD COUNTY COMPLEX

Total Project Cost: \$8,045,000

Est. Opening Date: 2023

PROGRAM DESCRIPTION

Funding is included in the planning period to evaluate and potentially construct facilities on land owned by the County near the regional jail for use by Fire & Rescue, Parks and Recreation and the Department of Utilities. For the Department of Utilities, the need would be for additional area to store pipe and other materials and enhance our ability to make bulk purchases and achieve cost savings. Space is also needed to provide indoor storage for the vac trucks to prevent freezing issues in cold weather. In addition, centralized office space is needed to consolidate operations and eliminate the need to lease office space.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Cost savings will include approximately \$215,000 per year to lease office space plus additional cost savings derived from the ability to make larger quantity purchases of pipe and other repair and maintenance supplies at reduced unit prices.



PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	1,250,000	0	0	0	0	0	0	0	0	0	6,795,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,795,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	1,250,000	0	0	0	0	0	0	0	0	0	6,795,000
Total	\$1,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,795,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	(141,170)
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$141,170)

VEHICLES AND EQUIPMENT REPLACEMENTS

Total Project Cost: \$2,475,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Replacement of vehicles and major pieces of equipment due to high mileage, excess repair and maintenance costs, or condition issues.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

These vehicles and equipment allow us to respond in a timely manner to address problems in the water distribution and wastewater collection system. When they are needed, they must be ready to go.

PROJECT COSTS

Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	200,000	200,000	200,000	200,000	175,000	250,000	250,000	250,000	250,000	250,000	250,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$200,000	\$200,000	\$200,000	\$175,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	200,000	200,000	200,000	200,000	175,000	250,000	250,000	250,000	250,000	250,000	250,000
Total	\$200,000	\$200,000	\$200,000	\$200,000	\$175,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0