



# Fiscal Year 2015 Ten Year Capital Improvement Plan



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## *County Commissioners of Washington County*

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TERRY L. BAKER, a second-term County Commissioner, was first elected in 2006, and serves as President of the Board of County Commissioners. He is a 1973 graduate of Williamsport High School, a 1975 graduate of Hagerstown Community College and a 1978 graduate of Auburn University, with a Bachelor's degree in Education. Mr. Baker is employed as the Washington County Students Trades Coordinator at the Washington County Technical High School. Prior to being elected a County Commissioner he served from 2002 to 2004 as a member of the Council for the municipality of Clear Spring and as Assistant Mayor for such municipality from 2004 to 2006.



JOHN F. BARR, a second-term County Commissioner, was first elected in 2006 and serves as Vice-President of the Board of County Commissioners. He was raised in Boonsboro, Maryland and is a Master Electrician in five states. In high school, Mr. Barr worked for his father as a field electrician at M/L Electric, Inc., which began in 1927. In 1979 he formed the management team overseeing the service department. In 1984 Mr. Barr bought the company from his father and changed the name to Ellsworth Electric, Inc. He has built the company from 75 to 150 employees. Mr. Barr is active in various service organizations and community projects.



RUTH ANNE CALLAHAM, a first-term County Commissioner, has lived in Washington County since 1977. Retiring in 2003 from the federal government after 23 years of service, she joined Food Resources, a local non-profit, as Executive Director, and retired from that organization in 2011. Ms. Callaham was elected to serve on the Washington County Board of Education (2006-2010), and was appointed to the Board of Commissioners of the Housing Authority of Washington County (1999-2004) and to the Washington County Commission for Women (2007-2010). She holds a Bachelor of Science degree from Texas State University and a Master of Business Administration degree from Mount St. Mary's University.



JEFFREY A. "JEFF" CLINE, a first-term County Commissioner, is a Williamsport resident. Mr. Cline is a graduate of Williamsport High School and Hagerstown Community College, and is currently seeking a Bachelor of Science degree in Organizational Leadership. He has been a realtor since 2003 and is affiliated with Roger Fairbourn Real Estate. He graduated from the Maryland Association of Realtors' 2008 Leadership Academy and received the Graduate of Realtor Institute (GRI) designation. Mr. Cline served on the Williamsport Town Council from 2005 to 2009.



WILLIAM B. "BILL" MCKINLEY, a first-term County Commissioner, was an educator in Washington County Public Schools for 36 years, retiring in 2002 as Executive Director of Support Service. He has served as President of Saint Maria Goretti High School and Chairman of the Washington County Gaming Commission. He is a member of the Williamsport Lions Club and past President of the Hagerstown Community College Hawk Booster Club.



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## *Vision and Mission Statement*

### Vision Statement:

The vision of Washington County Government is to become the regional leader in providing and coordinating efficient and effective public services in an open and cooperative manner.

### Mission Statement (Long-Term Goals):

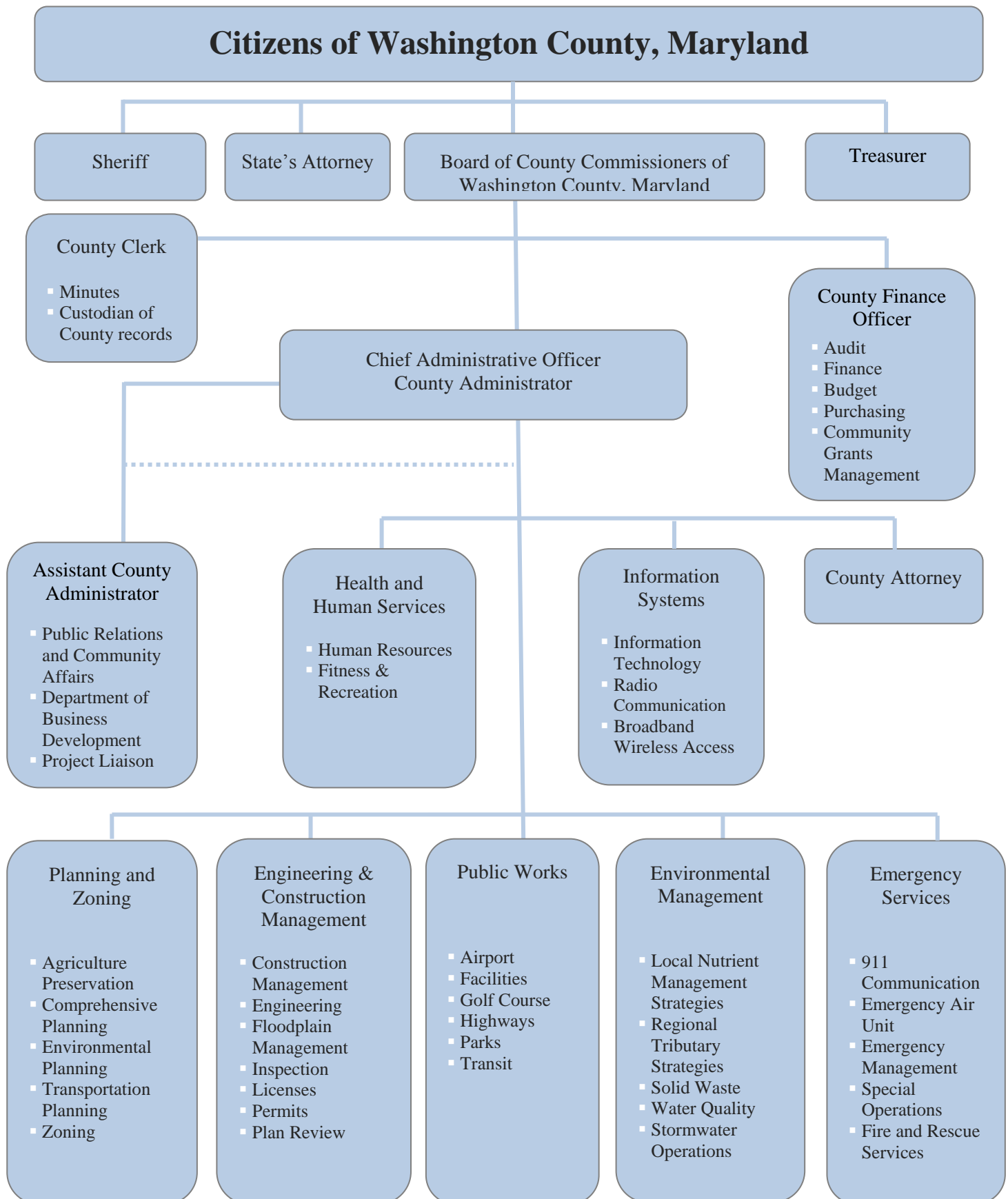
Supporting and strengthening individual and community self-reliance and responsibility;

Promoting education, economic opportunities, public health, safety, and welfare;

Protecting the environment and cultural resources we share and;

Planning for future urbanization and a culturally diverse population.

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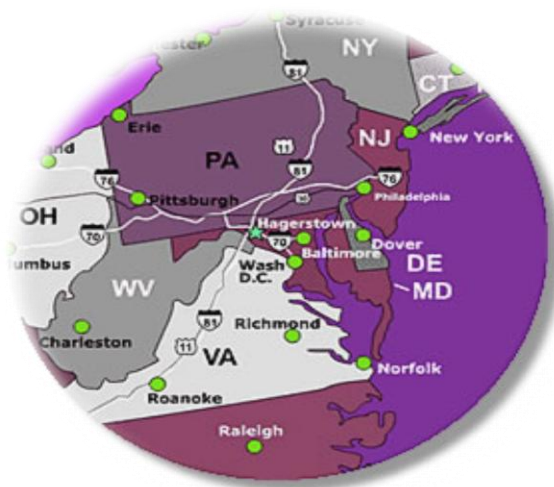
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## Community Profile

### Location

Washington County is situated in northwestern Maryland, bordered by Pennsylvania to the north and West Virginia to the south. It is bordered on the east by Frederick County, Maryland and on the west by Allegany County, Maryland. Washington County is approximately 460 square miles in area. The County Seat, Hagerstown, is 70 miles northwest of Washington, D.C. Two major highways, Interstate 81 – running north and south, and Interstate 70 – running east and west, cross within the County's borders.



The major part of Washington County is fertile valley with rolling terrain. The lowland belt known as the Hagerstown Valley, which lies between the Blue Ridge Mountains to the west and the Appalachian ridges to the east, is an extension of the Shenandoah Valley of Virginia.

Washington County is a great place, not only for locating a business, but also for living and raising a family. The rural, friendly, community environment offers a taste of traditional values – and the close proximity to Baltimore and Washington D.C. offers access to a metropolitan culture and lifestyle. It's the best of both worlds.

### Culture and Recreation

Founded in 1776, Washington County was the first county in the United States to be named for the then General George Washington. The history of Washington County is exhibited at 4 national parks, 7 state parks, 14 county parks, numerous monuments and more than 35 museums that tell America's story spanning three centuries.

Some of Washington County's major local attractions include:



- ❖ Antietam National Battle field – the site of the one of the most famous Civil War battles
- ❖ Fort Frederick State Park – a fort built in 1756 for use during the French and Indian War.
- ❖ Appalachian Trail National Scenic Trail – the trail in Maryland follows a 40 mile route along the backbone of South Mountain (a north-side ridge that extends from Pennsylvania to the Potomac River).
- ❖ C&O Canal National Historical Park – for nearly 100 years the canal served as a waterway to transport products and it now provides a place to recreate and enjoy nature.

- ❖ Maryland Symphony Orchestra – western Maryland’s only professional orchestra.
- ❖ Hagerstown Speedway – one of the fastest and safest dirt tracks in the United States.
- ❖ Hagerstown Suns – a minor South Atlantic League Class A baseball team affiliated with the Washington Nationals.
- ❖ Washington County Museum of Fine Arts – with a permanent collection of over 6,000 works of art, as well as changing exhibitions.
- ❖ The Maryland Theatre – built in 1915 and home of the Maryland Symphony Orchestra and the Miss Maryland Pageant.

Hagerstown was founded by the German immigrant Jonathan Hager who was a volunteer Captain of Scouts during the French and Indian War. Located in the center of the Great Valley in Western Central Maryland, Hagerstown was at the Crossroads of the Civil War. The Valley provided a natural corridor for refugee and troop movements between Virginia and Pennsylvania. As a regional crossroads town just north of the Potomac River, Hagerstown was a favorite staging area for military leaders traversing the region.



*The Maryland Theatre*

A revitalized Arts & Entertainment District in downtown Hagerstown complements shopping, historical sites and museums in Washington County. Residents and visitors discover a wonderful collection of beautiful renovated retail shops, restaurants, and condominiums all within walking distance of cultural attractions. Hagerstown hosts several annual festivals downtown, most notably the Western Maryland Blues Fest, Augustoberfest, and the Alsatia Mummer’s Day Parade.

## Form of Government

The County is a body corporate and politic, which performs all local governmental functions in Washington County except those performed by the nine incorporated municipalities within Washington County. The executive offices of the County are located at 100 West Washington Street, Hagerstown, Maryland 21740.

Under the Code of the Public Local Laws of Washington County (1991 Edition), as amended, being Article 22 of the Code of Public Local Laws of Maryland (the "County Code"), both the executive and legislative functions of the County are vested in the elected, five-member Board of County Commissioners of Washington County (the “Board”). The Board may only exercise such powers as are conferred upon it by the General Assembly of Maryland, including authorization to issue debt to finance its capital projects. Commissioners are elected on a countywide basis and serve four-year terms with no term limits. As authorized by the County Code, the County Commissioners appoint the County Administrator, County Clerk, and Director of Budget and Finance.

Each member of the Board has one vote and a simple majority of the Board is sufficient to take action subject to the authority vested in the Board by the County Code. Emergency action also requires a simple majority vote. The Board elects its own officers. The General Assembly of Maryland must authorize powers not specifically authorized by the County Code.

## Services

### Transportation

A variety of transportation avenues are available in Washington County. Hagerstown Regional Airport is a Part 139 Facility which provides daily scheduled commercial service to Dulles International Airport on Sun Air and twice weekly service to Orlando Sanford International on Allegiant. The airfield also offers fixed base operation services to general aviation, corporate and military aircraft. Over 20 businesses offer clients a variety of aviation services for all types of aircraft. The airport is part of the Washington County Foreign Trade Zone and is located in a County Enterprise Zone. More than 600 people are employed at the airport in various aviation-related businesses. In addition, Dulles International, Baltimore/Washington Thurgood Marshall International, and Ronald Reagan Washington National airports are located within 70 miles of Hagerstown.

Other transportation outlets include auto rental services, County bus service, commercial bus lines, taxi, freight common carriers, and limousine service. The main lines of CSX and Norfolk Southern provide shipment to anywhere on the Atlantic Seaboard.

### *Hospital and Medical Care*

Meritus Health, located in Hagerstown, Maryland, is the largest healthcare provider in Western Maryland. Its programs span the continuum of healthcare, ranging from inpatient care to occupational health services to physician practices and outpatient care. Meritus Medical Center is an acute care hospital with 257-single patient rooms. Services offered include a regional trauma center, a cardiac catheterization lab, a joint replacement program and other State-of-the-art medical technologies.

The Washington County Health Department, which provides various health services to the citizens of Washington County, employs a total of 188 full-time and part-time personnel in five divisions.

Other medical care facilities include the Environmental Health Division of the Health Department, the George W. Comstock Center for Public Health Research and Prevention and the Western Maryland Center, a State – owned chronic care facility.

### *Safety*

The Washington County Sheriff’s Office, the Maryland State Police, and municipal police agencies provide police protection in Washington County. The Sheriff’s Office has 99 sworn personnel and 92 radio-dispatched vehicles. The Sheriff’s Office is responsible for the operation of the Detention Center, which has a capacity of 450 inmates. The State Police has 38 troopers assigned to the local barrack, which is located just south of Hagerstown. The Hagerstown Police Department has a full-time force of 98 officers. The Hancock Police Department employs 3 full-time and 2 part-time officers. In addition, the Smithsburg Police Department and the Boonsboro Police Department each employ 4 police officers.

The County’s Division of Emergency Services (“DES”) oversees Emergency Communication/911, Emergency Management, Fire Department Special Operations, Fire Department Support Services, and the Emergency Medical Services Operations Program. DES is led by a full-time career Director and full-time Deputy Director. There are 86 full-time and part-time personnel working directly within the division and approximately 40 volunteers.

### *Environmental Management*

The Division of Environmental Management (“DEM”) consists of the Department of Water Quality, the Environmental Engineering Department, and the Solid Waste Department. The State and Federal environmental initiatives as they pertain to water, wastewater, solid waste and nutrients are all jointly related. DEM is responsible for integrating the regulations and applying them to the operations of these departments.

The Washington County Solid Waste Department is responsible for a solid waste disposal system that protects the environment and public health.

The County currently provides water and/or wastewater services to nearly all of the immediate densely populated area surrounding the City of Hagerstown (except the Dual Highway corridor), the areas of Highfield, Elk Ridge, Sandy Hook, and the towns of Sharpsburg and Smithsburg.

### **Department of Business Development**

The Washington County Department of Business Development (the “DBD”) is dedicated to expanding economic opportunities for the citizens of Washington County. It works to promote Washington County as a place of business and improve the overall business climate of the community.

The Washington County Economic Development Commission Board of Directors (the “EDC”) is comprised of 12 unpaid volunteers and eight *ex-officio* members. As representatives of the local business community, the EDC is responsible for evaluating, recommending, and implementing policies affecting the County’s ability to attract, nurture, and sustain employment, and to further promote economic growth and change in a managed environment.

The DBD currently has four full-time employees to conduct the day-to-day operations of the office. The staff works to fulfill the strategic priorities that are put in place by the EDC.

## *Demographic Information*

### Population

<u>Year</u>	<u>County Total</u>
1980	113,086
1990	121,393
2000	131,923
2010	147,430
2013	149,180
2015 projected	152,200
2020 projected	161,300
2025 projected	170,950

Sources: U.S. Bureau of the Census 1980, 1990, 2000, 2010; Projections by the Maryland Department of Planning 2014.

### Population Statistics

<b>Age:</b>	19 & under	25.30%
	20-64 (workforce age)	60.40%
	65 & older	14.30%
	Median Age	39.7
<b>Gender:</b>	Male	51.10%
	Female	48.90%
<b>Race:</b>	White	85.20%
	Black	10.40%
	Other	4.40%

Source: U.S. Bureau of the Census 2010, (updated 2012).

### County Income

Per Capita Income	\$ 26,093
Median Household Income	\$ 54,239
Average Household Income	\$ 67,874

Sources: U.S. Dept. of Commerce, Bureau of Economic Analysis (2009); U.S. Bureau of the Censes 2010, (updated 2012).

### Education Facilities in Washington County

#### Higher Education:

Kaplan University - Hagerstown  
Hagerstown Community College  
University System of MD at Hagerstown

#### Primary Education:

27 Elementary Schools  
7 Middle Schools  
7 Senior High Schools  
1 Middle/Senior High School  
1 Technical High School  
1 Evening High School  
1 Outdoor Education  
1 Special Education

Pupil/Teacher Ratio: 22.1

Public Enrollment: 22,490

39 Private Schools

Source: Washington County Board of Education (2013)

### Housing

#### 2013 Median Selling Price

Washington County	\$ 160,000
Maryland	\$ 261,153

Source: Maryland Association of Realtors.

### Households

Number of Households	56,204
Number of Family Households	37,831
Number of Non-family Households	16,908

Source: U.S. Bureau of the Census for 2010.

**County Water Quality Systems**

	<u>Total # of Services</u>
Full Service Water	1,334
Full Service Sewer	6,896
Collection Service Sewer	<u>3,596</u>
Total	11,826

Source: Washington County Department of Environmental Management 2013.

**County Building Permits (000s)**

	<u>Number</u>	<u>Value</u>
Residential New	228	\$48,547
Other Permits	<u>1,654</u>	<u>\$93,245</u>
Total	1,882	\$141,792

Source: Washington County Department of Plan Review and Permitting 2013.

**County Employment Statistics**

Civilian Labor Force	71,252
Employed	65,557
Unemployed	5,695
Unemployment Rate	8.00%
State Average	6.60%

Source: MD Department of Labor, Licensing & Regulation for 2013.

**Top 15 Employers in Washington County**

	<u>Employer</u>	<u>Employment</u>
1	Washington County Public Schools	2,970
2	Meritus Health, Inc.	2,730
3	Citi	2,700
4	State of Maryland	2,568
5	First Data	2,322
6	Volvo Group	1,350
7	Washington County Government	1,159
8	Hagerstown Community College	931
9	The Bowman Group, LLP	718
10	Federal Government	705
11	FedEx Ground	648
12	Staples Distribution Center	567
13	Merkle Response Services, Inc.	545
14	Sierra Nevada Corporation	486
15	City of Hagerstown	461

Source: Washington County Department of Business Development 2013.

**County Business Patterns**

<u>Industry</u>	<u>Total # Establishments</u>
Services	1,172
Retail Trade	610
Construction	363
Other	440
Wholesale Trade	153
Finance, Insurance, Real Estate	337
Transportation/Warehousing	160
Manufacturing	126
Information	56
Utilities	5
Mining	2
Agricultural	<u>1</u>
Total	3,425

Source: U.S. Bureau of the Census 2010, (updated 2013) County Business Patterns



**Top 20 Largest Taxpayers in Washington County  
as of June 30, 2013  
Ranked by Assessed Value**

	<u><b>Taxpayer</b></u>		<u><b>Assessed Value</b></u>
1	PR Valley Limited Ptsp	\$	105,197,030
2	Outlet Village of Hagerstown		101,350,590
3	Potomac Edison		73,641,580
4	FedEx Ground Package System Inc.		61,693,410
5	Washington Real Estate		59,999,000
6	Bowman Group		58,103,010
7	Staples of Maryland, LLC.		51,797,473
8	254 Hagerstown/Citigroup/Citicorp		49,992,770
9	IIT Hagerstown Dist. Center		44,239,000
10	Verizon-Maryland		42,213,440
11	Walmart Stores/Wal-Mart R.E./Sam's R.E./Sam's East		40,606,720
12	Liberty Property Limited		38,486,533
13	FR Hagerstown, LLC.		35,189,400
14	GP Hagerstown Limited Ptsp		34,932,500
15	Lowe's Home Centers Inc.		34,199,890
16	Mack Trucks Inc.		29,808,210
17	Tractor Supply Company		29,486,150
18	T. Rowe Price/TRP		27,435,033
19	Norfolk Southern Combined Rail		26,803,660
20	Columbia Gas of Maryland		17,771,210

Source: Washington County Treasurer's Office

The information set forth above was compiled from tax rolls on which the names and owners are not always recorded in the same way.

## *Capital Improvement Program*

Washington County government is responsible for providing infrastructure improvements to its citizens. To provide for these improvements on a continuing basis, the Board of County Commissioners established a Capital Improvement Program that forecasts the future needs and priorities of the community. Through sound planning and programming of capital projects the County can provide many improvements while utilizing the prescribed amount of funds available for this purpose.

A major purpose of the Capital Improvement Program is to provide a means for coordinating and consolidating all departmental and agency project requests into one document. The projects can then be examined and prioritized based on established criteria that includes County plans and policies.

A Ten-year Capital Improvement Plan (“CIP”) is developed each fiscal year and includes scheduling and financing of future community facilities such as public buildings, roads, bridges, parks, water and sewer projects, and educational facilities. The plan is flexible and covers ten years with the first year being the Capital Improvement Budget. Funds for each project are allocated from federal, state, and local sources by the County Commissioners.

The Capital Improvement Plan not only accounts for the acquisition, expansion, and rehabilitation of infrastructure and other capital assets, but it also incorporates the following basic underlying principles of the County:

- Capital projects are targeted to support the goals of the Comprehensive Plan and other County functional plans.
- Capital investments are made for economic development.
- Existing assets are preserved and maintained to ensure continued service.
- External funding possibilities are considered when reviewing and prioritizing projects.
- Intergovernmental funding is sought for regional projects.
- Debt is used carefully and managed in accordance with the goals and objectives of County policies.

The Ten-year Capital Improvement Plan (CIP) is updated on an annual basis for both project costs and funding sources. Along with the development of the Capital Improvement Plan, an annual debt affordability analysis is performed to evaluate the affect of debt service costs on operating budgets and to utilize long-term financial planning. As part of the annual review process, certain projects are closed out due to completion and others are added as the re-sequencing of project priorities occur.

## *Capital Improvement Plan Process*

Capital Improvement Plan development begins in the winter after the completion of the debt affordability analysis. The Capital Improvement Program provides a comprehensive approach to planning and impacts all facets of County operations. The County Administrator, the Finance Director, the Planning Director, the Director of Public Works, and the Director of Engineering and Construction comprise the Capital Improvement Plan Committee, (“CIP Committee”). From the time the CIP’s initial annual review begins in October through its adoption in May of each year, there is constant interaction between departments, the CIP Committee, and the elected officials. This effort is characterized by cooperation and reflects a common goal of ensuring that the CIP meets the objectives of the County and remains affordable and achievable. The CIP Committee reviews the project submissions to ensure:

- The plans are properly coordinated with other projects, entities, etc.
- Long-term operating impacts are included in estimates (including staffing, utility, maintenance, and debt);
- Timeframes for construction activity and cash flow are realistic;
- The budget and appropriate funding sources are adequate;

- Projects are prioritized based on County goals, department priorities, and anticipated funding sources.

The CIP is reviewed in conjunction with the debt affordability analysis and revenue projections, inclusive of rate analysis, in order to determine funding availability. A financial analysis of funding sources and project costs is conducted for all proposed capital improvement projects. It is the CIP Committee's responsibility to review all requests that County departments and agencies submit. All projects are ranked based on established criteria for priority ranking. Considering current and future needs, as developed in the ten-year plan, available funding sources, and the results of the priority ranking process, the CIP Committee determines which capital projects best meet established criteria for the current fiscal year Capital Improvement Budget and the nine-year forecast.

The Board of County Commissioners reviews the Ten-year Capital Improvement Plan in regular public working sessions and at the public hearing. Following this review and before the end of the fiscal year, the Board formally approves and adopts the Ten-year Capital Improvement Plan for the established projects.

## *Components of the Capital Program*

### Capital Project Definition

Capital Projects are included in the Capital Improvement Plan when the project supports or improves infrastructure needs and/or the productive capacity of the County. Projects should have a useful life greater than 10 years and an estimated cost of \$25,000 or more, and should also meet one or more of the following criteria:

- Projects having restricted funding sources, including grants, that require them to be included in the Capital Improvement Budget;
- Systematic acquisitions over an extended time period to complete implementation of a major functional or operating system;
- Rehabilitation or replacement projects of governmental or agency facilities;
- Projects that require bond financing because of significant costs associated with acquisition or construction of the project;
- Planning and feasibility studies that support the acquisition, construction, or improvement of the items listed above. (These are not required to meet the useful life test).

Capital assets include land, improvements to land, easements, buildings, building improvements, vehicles, machinery, large equipment, infrastructure, and all other tangible and intangible assets that are used in operations. Assets not meeting the criteria above are budgeted as capital outlay in the Operating Budget.

### Capital Project Priority Ranking System

During the review process the CIP committee prioritizes projects based on the County's broad goals, department priorities, anticipated funding sources, and the priority-ranking matrix. The priority-ranking matrix is composed of fourteen scored and weighted criteria, which is the basis for assigning projects into one of the five priority-ranking categories.

The fourteen scored and weighted ranking criteria used by Washington County are:

1. Legal Mandates – This criterion assesses the risk with legal issues required by federal or state statute, court order, or regulation, or a project that moves the County into further compliance with such mandates.
2. Public Health and Safety – This criterion includes health related impacts such as increases in traffic accidents, injuries, and deaths.

3. Environmental Impact – This criterion evaluates the environmental related impact on items such as water quality, flood control, air quality, contamination, etc.
4. Conformity to County Commissioners Goals and Plans – This allows for the evaluation of the project in relationship to the goals and plans of the Commissioners and/or the Comprehensive Plan or other approved plans by the County.
5. Conformity to Agency, Department and Jurisdictional Plans – This allows for the evaluation of the project in relationship to written plans of County agencies, departments, and jurisdictions.
6. Community Support – This criterion refers to interest group advocacy and/or opposition and conformity to County master and strategic plans.
7. Project Cost – This criterion considers the total cost of constructing or installing the proposed work. The higher the cost the lower the weight. However the forced score should not be considered adversely with respect to an individual project as it simply identifies the financial issues within the CIP Budget. A project will rank high if warranted by other evaluation criteria when scored if appropriate.
8. Funding – This criterion evaluates available funding sources to be contributed towards the proposed project. Higher value is placed on projects continuing from the prior year, in which funding would be required. Other funding considerations include proposed self-supporting funds and if significant outside funding sources are available.
9. Operating Budget Impact: Cost/Benefit – This criterion reflects other costs relative to the proposed project, including operation and maintenance, start-up costs, and personnel, as well as cost savings and potential revenues generated by the completed project.
10. Preservation of Facility – Measures the possible effect of deferring the project, such as complete replacement of facility or equipment, major repair, normal repair costs if not replaced or added cost for new facility.
11. Project Life – This criterion is used to rank the project based on life expectancy and projected maintenance cost. A higher value is placed on longer-term infrastructure assets.
12. Economic Impact – Measures the impact such as property value, future tax base, added jobs, income to citizens, changes in business income, and stabilization of neighborhoods. Such impacts may apply more to capital projects related to growth and expansion than to infrastructure maintenance, although deteriorating structures can adversely affect business.
13. Recreational, Cultural or Aesthetic Value – A catch-all criteria for other significant quality-of-life related impacts that include community appearance, recreational opportunities, and cultural improvements.
14. Percent of Population Benefiting – Estimates the number of persons likely to be affected by the project and nature of the impact.

After the projects are scored and weighted using the above criteria, the projects are then categorized based on the score into Priority 1 through Priority 5. The priority category definitions are as follows:

- |            |  |
|------------|--|
| Priority 1 | Projects needed to comply with a court order or legislative mandate, and/or projects that are critical to the health, safety, and general welfare of County citizens.                    |
| Priority 2 | Projects important to the general welfare of the community, operating or maintaining of a physical facility, and/or not critical relative to other projects.                             |
| Priority 3 | Projects that provide a public operational improvement and/or projects not critical or important in relation to the County financial capabilities, needs, or other program requirements. |

- Priority 4 Projects that conflict with the master plan and/or projects for which there are concerns related to serious need, cost, justification, or timing.
- Priority 5 Projects that will not be started until the completion of a study or submission of additional data, and/or projects on hold indefinitely.

After all proposed projects are prioritized using these criteria, the CIP Committee (1) reviews the project ranking report for reasonableness, (2) checks for any projects that appear out of order, (3) determines if there are any linkages between projects, (4) evaluates if there are any advantages to having projects done concurrently, (5) ascertains if there are any projects dependent on one another, and (6) reviews the project's impact on the operating budget. Adjustments to the final ranking may be necessary based on this extensive CIP prioritization process.

The CIP Committee provides an enterprise-wide view and prioritizes proposed projects while balancing project requests against known County objectives. After their review is complete, the CIP Committee presents the Ten-year Capital Improvement Plan to the Board of County Commissioners. The County Commissioners review the recommended Ten-year Capital Improvement Plan during budget workshops and at a public hearing prior to budget adoption.

Program priorities, long-term service needs, and planning – like multidimensional ranking systems - complement rather than replace, the judgment that County officials must exercise in ranking requests for capital projects and acquisitions and developing the CIP and Capital Budget.

### Capital Improvement Plan Funding Sources

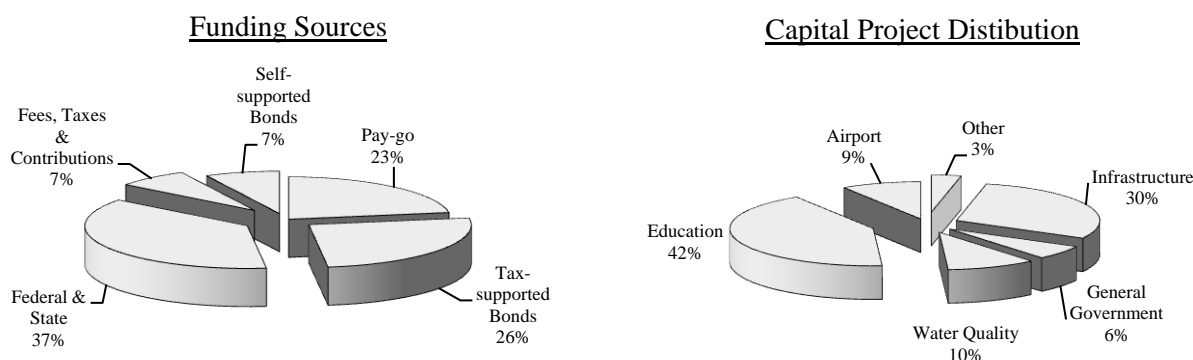
Funding sources in the Capital Improvement Plan are budgeted in each fiscal year in which they will be received. All potential funding sources are considered when developing the Capital Improvement Plan to ensure that projects are funded with appropriate revenue streams. Some projects are funded with project-specific revenues that benefit particular projects and/or users, as is the case with development fees. The other information considered when funding the Capital Improvement Plan are the results of the Debt Affordability Analysis, cash flow requirements of each project, and the financial costs associated with each funding source. Following are descriptions of the funding sources for the Capital Improvement Budget:

- Tax-supported Bonds are General Obligation Bonds secured by the full faith and credit of the issuer. General Obligation Bonds issued by the County are secured by a pledge of the County's property taxing power, and must be authorized by legislative authority. The amount to be issued in this fiscal year is based on the County's debt affordability guidelines, debt policies, and future project costs.
- Self-supported Bonds are issued for enterprise funds and the debt service is paid from user fees.
- Pay-Go Funds represent cash contributions from various operating funds for specific capital projects without a dedicated funding source. The fiscal year 2015 amount is based on available cash resources and was determined by maximizing the contribution level to best match funding strategies, useful lives, benefit of assets, and cost.
- Federal and State Funds are for specific projects and are restrictive in nature. These funds are inconsistent from year-to-year and are not used as a base revenue stream.
- Fees and Taxes is the other major funding source. Excise tax is assessed for residential construction at \$1 per sq foot (SF), and \$ .50 SF for additions to residential properties. Excise tax for nonresidential non-retail is assessed at \$1 SF and nonresidential retail at \$1 SF for the first 15,000 SF and \$3 SF thereafter. Budgeted excise tax is based on projected growth and development. Transfer tax is charged on recorded real property transfers in the County at a rate of .5%. Transfer tax revenue for fiscal year 2015 is based on projected home sales and recordation activity. In addition, the County has an Adequate Public Facilities Ordinance Fee. It is used to generate revenue so that public facilities and services needed to support new development will be available concurrently with the impacts of the new developments.



## *FY15 Capital Improvement Budget Overview*

A graphic illustration of planned capital project distribution and funding sources for fiscal year 2015 is shown below. The fiscal year 2015 Capital Improvement Budget is funded mainly from: tax supported and self-supported bonds, pay-go funds, federal and state funds, and developer based fees.



## *Operating Impact of Capital Improvement Projects*

The operating impact of capital projects are reviewed and considered during the CIP review process. Estimated new revenues and or operational efficiency savings associated with projects are also taken into consideration. The operating costs of the projects are identified and considered during the ranking evaluation. The operating costs of projects to be completed and in-service during the budget year are identified and justified as part of the operating budget process. Additions or eliminations of personnel, significant start-up costs, as well as operation and maintenance costs of the new facilities are included in the operating budget. These conservative operating cost estimates include: personnel, equipment maintenance, building maintenance, and other major costs anticipated at the completion of the project. An important consideration in the County's Capital Improvement Budget is the fiscal impact on the Operating Budget due to the additional debt service cost. Total debt service cost for fiscal 2015 is approximately \$21.6 million.

The ten-year operating budget impact for major projects approved in the fiscal year 2015 Capital Budget are presented in the project detail schedule located in the next section.

## *Debt Affordability Analysis*

One of the major sources of funding for capital projects is debt. Debt is issued to match the cash flow requirements of the Capital Improvement Plan, while considering the affect on the tax burden of the citizens. Therefore, along with the development of the Capital Improvement Plan, an annual debt affordability analysis is performed to evaluate the affect of debt service costs on operating budgets and to utilize long-term financial planning.

The key factor in the issuance of debt is the understanding that effective debt management is critical to the overall financial management of the County. Therefore, the issuance of debt is done in conformance with the County's Debt Policy, which is an integral component of the County's financial management program. Accordingly, critical to sound financial and debt management is the continuing evaluation of the County's ability to afford, and plan for the issuance of debt. In this regard the County has instituted a self-imposed requirement that an annual debt affordability analysis be performed. The analysis provides a method by which the County's debt position can be evaluated, tested for stress and affordability, and compared to other jurisdictions - "Peer Group", that are considered comparable to the County. The analysis provides the County Commissioners and citizens with a way to assess the impact of bond issuance and allows for informed decisions regarding financing proposals and capital spending priorities.

The County undertakes the debt capacity analysis on an annual basis in conjunction with the issuance of bonds and the formulation of the long-range Capital Improvement Plan. This comprehensive and routine analysis of debt capacity provides assurance that the amount of debt issued by the County is affordable. It also ensures that an appropriate balance is maintained between the County's capital needs and its ability to pay for them.

To determine the County's debt affordability, a peer group was established for comparison. The Peer Group consists of counties that share similar characteristics in various areas, including but not limited to, population, region, bond rating, and budget thresholds. Also, our sample of counties was based on size and income indicators, such as per capita income, property values, access to interstate highways, and revenue generation.

The Peer Group contains nine other Maryland Counties: Howard, Frederick, Harford, Carroll, Charles, St. Mary's, Cecil, Wicomico, and Calvert.

As with any business, including County government, it is important to develop strategic objectives, including prudent borrowing limits. The debt ratios used by the County are relevant benchmarks used to measure its debt position. Establishing an acceptable range for the debt ratios has allowed the County to continually monitor its debt position and provide a mechanism for calculating debt capacity. The information provided by the ratios assists the County in the capital budgeting decision process, including prioritizing capital spending.

Measures of debt affordability are sensitive as they are impacted by the amount of outstanding debt and changes in both demographic and economic factors. Changes in demographic factors such as population growth and personal income affect debt ratios. Economic cycles can have major impacts both positive and negative on targeted ratios and debt capacity. This volatility demonstrates the need for assessing changes in projected debt capacity on an annual basis.

Decisions regarding the use of debt is based on a number of factors including, but not limited to, the long-term needs of the County and the amount of resources available to repay the debt. Flexibility is required to enable the County's management team to respond to unforeseen emergencies or opportunities in the operational budget. In order to provide for that flexibility, the most important ratio - Debt Service as a Percent of Revenue - is included in the analysis. Comparing debt ratios of the Peer Group and national medians is useful in evaluating the County's debt position. Evaluating the change in ranking over time also indicates a strengthening or weakening of the County's debt position relative to the Peer Group and to national averages. Following is a five-year comparison of the County's debt ratios for the tax-supported debt portion.

Ratio and Peer Group Median Comparisons								
Fiscal Year	Debt Per Capita		Debt as Percent of FMV		Debt Service as a % of General Fund Revenue		Debt Service per Capita as a % of Income Per Capita	
	County Amount	Peer Group Median	County Ratio	Peer Group Median	County Ratio	Peer Group Median	County Ratio	Peer Group Median
2010	855	1,650	.98%	1.46%	6.60%	8.16%	.25%	.37%
2011	860	1,640	1.02%	1.41%	6.69%	8.52%	.24%	.38%
2012	871	1,573	1.05%	1.50%	6.87%	8.77%	.24%	.38%
2013	878	1,549	1.08%	1.52%	7.08%	8.48%	.24%	.33%
2014 estimated	900	1,549	1.14%	1.52%	7.27%	8.48%	.24%	.33%

When the County compares its debt ratios to its peer group and national medians, it provides a snapshot of our debt position at a single point in time. However, to fully understand the County's debt position, it is important to evaluate ratios over a long period of time so that trends can be ascertained, analyzed and evaluated.

In completing the debt affordability analysis the estimated debt capacity ceiling is established and policy guidelines are applied to the debt capacity calculations. The ratio of Debt Service as a Percentage of Revenue is considered the most critical criteria in establishing debt capacity, in part, because the County controls both components of the ratio and the impact of the change is most pronounced in the operating budget and potentially the tax burden carried by the citizens.

Projections are based on net tax-supported debt currently outstanding plus average debt that is anticipated to be issued over the next twenty years. The projections are intended only to provide a method for assessing the impact of issuing more debt. The County's debt affordability analysis is designed to: ensure that anticipated future debt is manageable from a fiscal and budgetary perspective, meet peer group ratio targets and avoid negative treatment by the rating agencies in the form of a rating downgrade, and keep borrowing costs to a minimum. The following table illustrates the impact of long-term debt issuance as it relates to various Peer Group targets that the County monitors.

Debt Capacity Analysis – Effect of Debt Issuance on Debt Ratios								
Fiscal Year	Debt Per Capita		Debt as a Percent of FMV		Debt Service as a % of General Fund Revenue		Debt Service Per Capita as a % of Income Per Capita	
	Projected	Peer Group Median	Projected	Peer Group Median	Projected	Peer Group Median	Projected	Peer Group Median
2015	930	1,549	1.16%	1.52%	7.34%	8.48%	.24%	.33%
2016	962	1,549	1.19%	1.52%	7.22%	8.48%	.24%	.33%
2017	991	1,549	1.20%	1.52%	7.44%	8.48%	.24%	.33%
2018	1,018	1,549	1.22%	1.52%	7.42%	8.48%	.24%	.33%
2019	1,046	1,549	1.23%	1.52%	7.34%	8.48%	.24%	.33%
2020	1,068	1,549	1.24%	1.52%	7.60%	8.48%	.25%	.33%
2021	1,086	1,549	1.24%	1.52%	7.81%	8.48%	.25%	.33%
2022	1,104	1,549	1.25%	1.52%	7.64%	8.48%	.25%	.33%

Debt Capacity Analysis – Effect of Debt Issuance on Debt Ratios								
Fiscal Year	Debt Per Capita		Debt as a Percent of FMV		Debt Service as a % of General Fund Revenue		Debt Service Per Capita as a % of Income Per Capita	
	Projected	Peer Group Median	Projected	Peer Group Median	Projected	Peer Group Median	Projected	Peer Group Median
2023	1,119	1,549	1.24%	1.52%	7.80%	8.48%	.25%	.33%
2024	1,128	1,549	1.24%	1.52%	8.00%	8.48%	.26%	.33%
2025	1,134	1,549	1.22%	1.52%	8.15%	8.48%	.26%	.33%
2026	1,137	1,549	1.21%	1.52%	8.12%	8.48%	.26%	.33%
2027	1,139	1,549	1.19%	1.52%	8.11%	8.48%	.26%	.33%
2028	1,136	1,549	1.17%	1.52%	8.26%	8.48%	.27%	.33%
2029	1,140	1,549	1.16%	1.52%	7.65%	8.48%	.25%	.33%
2030	1,143	1,549	1.14%	1.52%	7.62%	8.48%	.25%	.33%
2031	1,139	1,549	1.12%	1.52%	7.87%	8.48%	.25%	.33%
2032	1,133	1,549	1.10%	1.52%	7.82%	8.48%	.25%	.33%
2033	1,126	1,549	1.08%	1.52%	7.79%	8.48%	.25%	.33%
2034	1,116	1,549	1.05%	1.52%	7.74%	8.48%	.25%	.33%

### Credit Ratings

Rating agencies are companies that assign credit ratings to institutions, including local governments that issue debt obligations. Credit ratings are the rating agencies' assessment of the County's ability and willingness to repay debt on a timely basis. Debt management is an important factor in evaluating and assigning credit ratings. Credit ratings are an important indicator in the bond market and can influence the County's long-term interest rates that it must pay.

The County's current credit ratings are AA+ by Standard & Poor's, AA by Fitch and an Aa2 by Moody's Investors Service. The County's credit ratings reflect strong financial management, continued economic development and diversification, strong financial position, strong financial policies, manageable capital needs, low debt, and strong reserves.

### Changes in Economic Assumptions

In addition to analyzing the impact of the capital program on debt ratios and capacity, to remain prudent, the County analyzes the impact of changing economic conditions on the recommended maximum level of annual debt issuance. Three economic scenarios are created:

- 'Base' case reflects future economic conditions based on historical and projected trends.
- 'Best' case reflects the best economic conditions based on historical high trends.
- 'Worst' case reflects the worst economic conditions based on historical low trends.

The assumptions used in determining debt capacity in each scenario are based on historical trends, judgment, and projected economic conditions. Each case assumption is applied to the twenty-year projection.

The 'Base' case projects the most affordable program. It achieves the goal of meeting the Peer Group medians. The 'Best' and 'Worst' case scenarios assume major changes in economic conditions for the twenty-year period and could require adjustments to the Capital Improvement Plan and the debt issuance plan. However, planning to issue debt on the 'Best' case scenario every year is not advisable because some bonding capacity should be kept in reserve in anticipation of sudden unexpected economic downturns.

### Final Analysis

There are multiple factors that can affect the County's affordability to incur future indebtedness, including the County's economy and the availability of adequate financial resources. For that reason the financial ratios and analysis used, take into account the entire County financial condition, as other factors can effectively deteriorate the County's financial posture and affect its ability to incur debt. In addition, these managerial and unpredictable scenarios are considered and tested as part of the analysis, so that the known effects of 'Worst' and 'Best' case results can be examined. It is important for the County to monitor its financial condition, the economic trends, and debt affordability results on a regular basis, in order to continue to evaluate the County's credit position to determine whether annual issuance of debt should be adjusted to reflect a changing financial outlook for the County under altered circumstances.

The estimated maximum debt capacity is not intended to be an absolute limit or a recommendation on the amount of debt that can be incurred. It should be used as a guide for better long-term financial planning and improving capital budgeting. Debt capacity estimates can assist long-term capital planning by showing the resources available to fund needed infrastructure, schools and other capital needs. The estimates can then be used to allocate restricted resources to priority projects. The County's annual debt review analyzes the projected debt issuances to assure that long-term financial stability will remain intact.

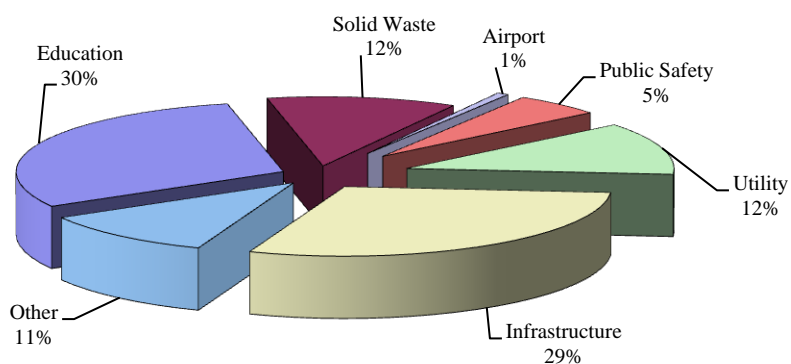


## *Outstanding Debt*

The impact of the Capital Improvement Budget on the Operating Budget is evaluated during the budget process. The Capital Improvement Budget includes costs for long-term capital projects, which add to the capital asset base of the County. The Operating Budget includes the principal and interest cost associated with those assets and the pay-go financing.

The following graph illustrates the percentage of total debt outstanding at June 30, 2014 by project category:

Percentage of Debt Outstanding by Project Category



The table on the following page shows the current outstanding balance at June 30, 2014 and the estimated impact of debt service on the Operating Budget for FY 2015.

Current Debt Balance and FY 2015 Principal and Interest Costs

Description	FY 2014 Balance	FY 2015 Principal	FY 2015 Interest	Total Debt Service
<b>General Fund:</b>				
2002 Public Improvement & Refunding Bonds	\$ 738,212	\$ 738,212	\$ 34,696	\$ 772,908
2003A Public Improvement & Refunding Bonds	407,430	407,430	15,188	422,618
2005 Public Improvement & Refunding Bonds	7,856,213	2,757,929	314,248	3,072,177
2006 Public Facilities Bonds	980,000	480,000	40,425	520,425
2007 Public Improvement Bonds	10,408,681	556,570	430,541	987,111
2008 Public Improvement Bonds	11,940,902	642,612	484,441	1,127,053
2009 Public Improvement & Refunding Bonds	10,708,032	884,310	385,585	1,269,895
2010 Ser A Public Improvement Bonds	3,645,873	478,042	90,219	568,261
2010 Ser B Build America Bonds	6,957,113	0	231,279	231,279
2010 Refunding Bonds	8,847,454	1,106,120	256,072	1,362,192
2011 Public Improvement Bonds	10,123,055	425,014	385,533	810,547
2012 Public Improvement Bonds	11,633,336	448,350	325,487	773,837
2012 Refunding Bonds	5,672,840	365,510	206,530	572,040
2013 Public Improvement Bonds	12,000,000	445,000	373,150	818,150
2013 Refunding Bonds	12,362,420	0	420,754	420,754
2014 Public Improvement Bonds	14,000,000	470,145	334,502	804,647
MD Water Quality Solid Waste Refinancing	1,655,523	33,357	16,555	49,912
MD Water Quality Resh Capping Ph 1	3,521,220	254,989	35,215	290,204
Total General Fund Existing Debt	\$ 133,458,304	\$ 10,493,590	\$ 4,380,420	\$ 14,874,010
2015 Planned Debt:				
2015 Public Improvement Bonds	12,000,000	0	0	0
Total General Fund Debt	\$ 145,458,304	\$ 10,493,590	\$ 4,380,420	\$ 14,874,010
<b>Highway:</b>				
2008 Public Improvement Bonds	\$ 2,305,263	\$ 124,060	\$ 93,530	\$ 217,590
Total Highway Existing Debt	\$ 2,305,263	\$ 124,060	\$ 93,530	\$ 217,590
<b>Solid Waste:</b>				
2002 Public Improvement & Refunding Bonds	\$ 66,788	\$ 66,788	\$ 3,139	\$ 69,927
2003A Public Improvement & Refunding Bonds	7,570	7,570	1,358	8,928
2005 Public Improvement & Refunding Bonds	233,787	82,071	9,352	91,423
2007 Public Improvement Bonds	2,121,319	113,430	87,746	201,176
2009 Public Improvement Bonds	2,158,343	275,867	77,437	353,304
2010 Ser A Public Improvement Bonds	1,443,176	189,228	35,712	224,940
2010 Ser B Build America Bonds	2,753,894	0	91,547	91,547
2010 Refunding Bonds	2,607,546	338,880	75,378	414,258
2011 Public Improvement Bonds	2,976,945	124,986	113,376	238,362
2012 Refunding Bonds	35,170	4,490	1,220	5,710
2013 Refunding Bonds	177,580	0	6,146	6,146
MD Water Quality Solid Waste Refinancing	4,548,238	91,643	45,482	137,125
MD Water Quality 40 West Cell 3	1,488,344	132,457	16,367	148,824
Total Solid Waste Fund Debt	\$ 20,618,700	\$ 1,427,410	\$ 564,260	\$ 1,991,670

### Current Debt Balance and FY 2015 Principal and Interest Costs

Description	FY2014 Balance	FY 2015 Principal	FY 2015 Interest	Total Debt Service
<b>Airport</b>				
2003A Public Improvement & Refunding Bonds	\$ 40,000	\$ 40,000	\$ 750	\$ 40,750
2012 Refunding Bonds	1,196,990	200,000	40,450	240,450
Total Airport Existing Debt	\$ 1,236,990	\$ 240,000	\$ 41,200	\$ 281,200
<b>Water Quality:</b>				
1996 Series A Project & Refunding Bonds	\$ 3,722,693	\$ 515,205	\$ 984,795	\$ 1,500,000
2008 Public Improvement Bonds	1,083,835	58,328	43,971	102,299
2009 Public Improvement & Refunding Bonds	2,993,625	154,824	108,066	262,890
2010 Ser A Public Improvement Bonds	630,951	82,730	15,613	98,343
2010 Ser B Build America Bonds	1,203,993	0	40,024	40,024
2012 Public Improvement Bonds	5,491,664	211,650	248,140	459,790
MD Water Quality Series BNR	1,393,229	189,110	23,685	212,795
MD Water Quality Cono. Refinancing 2004	1,090,000	1,090,000	4,360	1,094,360
MD Water Quality Pretreat. Refinancing 2004	3,906,063	420,000	15,624	435,624
MD Water Quality Halfway I & I	376,542	27,273	3,772	31,045
Total Water Quality Existing Debt	\$ 21,892,595	\$ 2,749,120	\$ 1,488,050	\$ 4,237,170
2015 Public Improvement Bonds	3,460,000	0	0	0
MD Water Quality Winebrenner	6,392,900	0	0	0
Total Water Quality Debt	\$ 31,745,495	\$ 2,749,120	\$ 1,488,050	\$ 4,237,170
Total Existing and 2015 Planned Debt	\$ 201,364,752	\$ 15,034,180	\$ 6,567,460	\$ 21,601,640

Bonded Limit Summary as of June 30, 2014

The County may only issue general obligation and revenue bonds under authority conferred by the Maryland General Assembly, excluding those issued for education. No referendum is required. As of June 30, 2014 the unused authorization available for issuance of general obligation bonds was \$60,672,722.

By State law, the total bonded indebtedness of the County for Water, Wastewater, and Pretreatment purposes may not exceed 10% of the assessed value of all property in Washington County subject to unlimited County taxation. See following table.

Schedule of Legal Debt Margins – Department of Water Quality Estimated as of June 30, 2014	
Assessed Value of Property in Washington County	\$ 12,462,102,000
Debt Limit: % of Assessed Value	10%
Water Quality Borrowing Limitation	1,246,210,200
Water Quality Debt	21,892,595
Debt Margin	1,224,317,605
Ratio of Water Quality Debt to Assessed Value	.18%

*Statement of Revenues and Expenditures*  
*Summary By Year – Capital Improvement Fund*

Description	Fiscal Year		
	2013 Actual	2014 Budget	2015 Budget

Revenue (By Major Type):

Fees	\$ 1,430,276	\$ 1,542,900	\$ 1,543,000
Grants	4,335,713	13,668,900	17,434,000
Other	2,584,807	108,000	1,806,000
Bonds	12,603,032	18,120,000	15,460,000
Subtotal	20,953,828	33,439,800	36,243,000
Transfers	7,142,335	3,935,500	2,561,000
Capital Reserves	0	5,586,200	7,926,000
Total Revenue	28,096,163	42,961,500	46,730,000

Expenditures (By Function):

Education	13,189,940	17,487,700	19,630,000
Public Safety	590,472	550,000	893,000
General Government	2,028,589	3,400,400	2,848,000
Parks and Recreation	249,016	383,000	346,000
Water Quality	3,727,552	4,735,300	3,747,000
Roads/Infrastructure	6,920,501	14,534,200	13,799,000
Solid Waste	1,702,124	0	939,000
Transit System	331,218	167,000	326,000
Airport	756,574	1,703,900	4,202,000
Golf Course	22,200	0	0
Total Expenditures	29,518,186	42,961,500	46,730,000

Net Difference	(1,422,023)	0	0
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*Project Detail of Major Projects – Fiscal Year 2015*

Project Name	Project Description	Project Budget	Operating Impact
West City Elementary School – Phase 1	A new 56,818 SF facility to house a 3-round, Pre-K through 5th Grade elementary school with a capacity of 471 students, with a core space sized for a 5-round school to accommodate future expansion. Provisions have been made within this budget request for an expanded gymnasium for community use in partnership with the Buildings, Grounds and Parks Department. This project will allow the closing and consolidation of two aging, inadequate elementary school facilities: Winter Street and Conococheague Elementary.	\$ 8,878,000	\$ 5,000
Student Center Expansion	The College/Student Center currently houses student service functions such as the campus store, food service, meeting space, student activities and student government. With the anticipated enrollment growth over the next several years, these spaces will need to be expanded to continue to provide basic services.	5,087,000	89,150
Pavement Maintenance and Rehabilitation Program	This project includes the modification of county-wide pavement maintenance program targeting rehabilitation of county highway pavement, as required. Techniques may include but not be limited to road reclamation, bituminous concrete overlay, crack sealing, and surface treatment. Individual projects will be determined on an annual basis consistent with the County's overall Pavement Management Program.	4,259,000	-
Conococheague Wastewater Treatment Plant	This project will plan, design, and construct upgrades required to meet Maryland Department of the Environment Enhanced Nutrient Removal strategy.	2,952,000	-
Capital Maintenance – Board of Education	Projects vary depending on the conditions, safety, security, and utility requirements. The Comprehensive Maintenance Plan outlines specific projects over the next five years. Projects include improved lighting, sidewalk replacements, paving repairs, flooring repairs, door replacement, large painting projects, locker replacement, interior renovations, and security system installations. Projects are targeted to reduce deferred maintenance.	2,782,000	-

Project Name	Project Description	Project Budget	Operating Impact
Bester Elementary (Replacement School)	Construct a new 71,671 SF school to replace the existing Bester Elementary on the existing site. The new school is planned as a four-round school, increasing the student capacity of this school from 511 students to 608 students. The existing school building will be demolished to make room for appropriate drives and play fields. Provisions have been made within this budget request to include an expanded gymnasium for community use.	\$ 2,684,000	\$ 5,000
Taxiway A and D Rehabilitation	This project consists of the rehabilitation of Taxiway A between Taxiway G and N; rehabilitation of Taxiway D between Runway 9/27 and Taxiway F; and rehabilitation of Taxiway D between Runway 9/27 and Taxiway A. Existing Taxiway lighting will be replaced with energy efficient LED lighting.	2,237,000	-
County Admin Building Renovations	This project is for Renovations to the County Administration Building (1st and 2nd floors); primarily the first floor of 100 West Washington Street. The project includes first floor ADA improvements and a combined rear entrance to both 100 West Washington and 120 West Washington Street buildings.	1,710,000	-
Professional Court Extended – Phase I/Bridge over Antietam Creek	The project involves the extension of Professional Court over Antietam Creek to a point 200' east of the proposed bridge. This project will connect to the proposed Professional Boulevard Extended Phase II (Project 1071) roadway that connects to Yale Drive Extended (Project 1093). The project length is approximately 1,000 LF (including bridge). The project includes construction of a four lane closed section undivided roadway and the construction of a four lane bridge over Antietam Creek.	1,397,000	1,000
Highway Equipment & Vehicle Replacement Program	This project will replace vehicles and heavy/specialized equipment for maintenance and construction activity.	1,000,000	-
Southern Blvd I	The project involves the construction of Southern Boulevard between East Oak Ridge Drive near South Pointe Drive to Frederick Street (US 40A). The project includes construction of a four lane divided open section roadway and new intersections at each extent of the project, a roundabout at Frederick Street and a roundabout at East Oak Ridge Drive.	918,000	2,520

Project Name	Project Description	Project Budget	Operating Impact
Stormwater Retrofits	This project includes the construction of SWM systems based on Best Management Practices such as bio-swales, bio-filters, permeable pavements, ponds, wetlands, etc. along roadways, in parks, and on other county properties to satisfy the National Pollutant Discharge Elimination Systems.	\$ 860,000	\$ -
Land Acquisition – Airport	This project is for land acquisition to promote future economic development of the Airport.	816,000	-
Stream Restoration at Various Locations	This project will restore stream banks at various locations on the Antietam Creek and Conococheague Creek to improve water quality.	715,000	-
Yale Drive Extended – Phase I	The project involves the extension of Yale Drive across the land formerly known as Mt. Aetna Farms to connect to Scholar Drive (HCC). Total road length is approximately 4,600 linear feet. The project includes the construction of two roundabout intersections.	714,000	2,250
Yale Drive Extended – Phase II	The project involves the expansion of Yale Drive Extended - Phase I (Project RDI053) and partial construction of Professional Boulevard.	714,000	1,800
Eastern Blvd Widening – Phase I	This project will widen Eastern Boulevard from MD Rt 64 (Jefferson Boulevard) to Security Road from the existing 2-lane roadway to a 4-lane divided roadway. This project includes drainage improvements and traffic signal modifications.	510,000	2,900
Antietam WwTP – Facility Improvements	The project will upgrade the facility to meet current and future EPA and MDE permit requirements.	510,000	-
Marsh Pike Sidewalk Extension	This Safe Route to School project will provide an ADA accessible sidewalk from Paramount Elementary School to the Spring Valley Subdivision (ADC Map 11, Grid H-10). The work also includes drainage improvements.	506,000	-

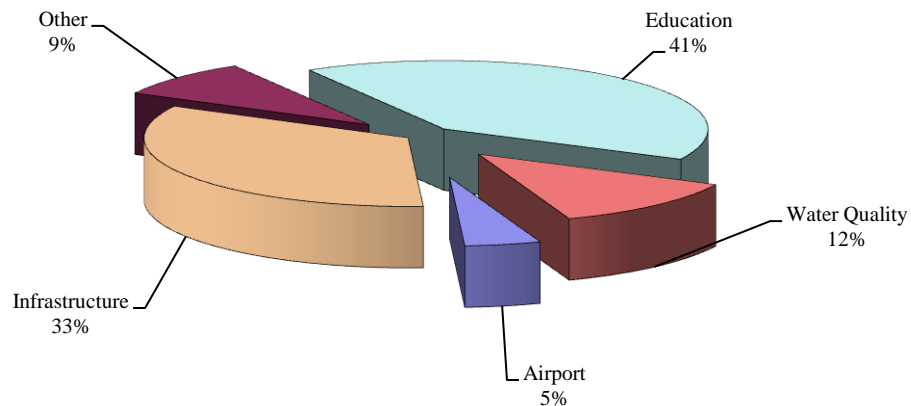


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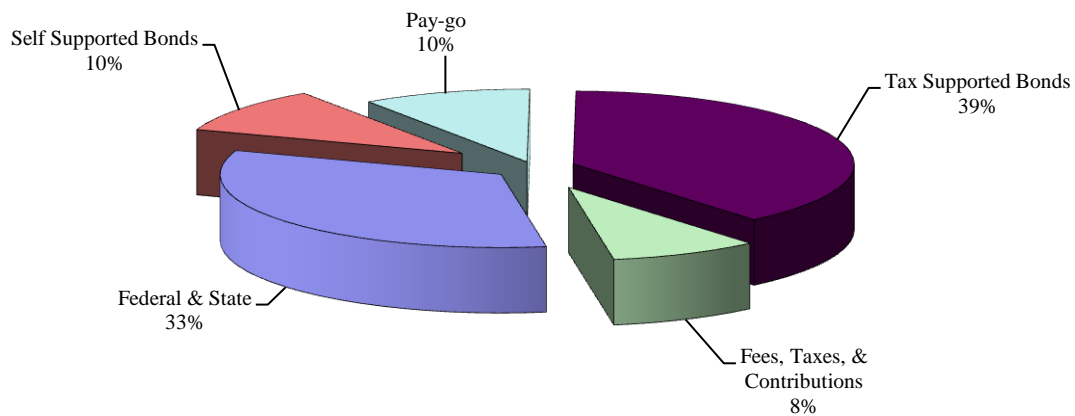
## *Ten Year Capital Improvement Plan Graphs*

The following graphs illustrate the projects by category and the funding sources that are currently scheduled for FY 2015 thru FY 2024. The 'Other' category includes projects for: Parks & Recreation, Solid Waste, Transit, General Government, and Public Safety. The 'Education' category includes projects for the Board of Education, the Hagerstown Community College and Public Libraries, including the Renovation and Expansion of the Central Library. The total for all projects represented in the chart is \$402,820,000.

Project Categories for FY2015 thru FY2024



Funding Sources for FY2015 thru FY2024



**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

	Ten Year Capital Program									
	Project	Total	Prior Appr.	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021 - 2024
	Project Costs									
	Airport	20,118,500	1,428,500	4,202,000	2,255,000	2,201,000	1,329,000	1,450,000	633,000	6,620,000
	Bridges	23,542,477	5,148,477	798,000	3,821,000	4,526,000	1,673,000	1,180,000	1,187,000	5,209,000
	Drainage	14,267,500	1,570,500	1,575,000	878,000	968,000	2,257,000	2,179,000	1,321,000	3,519,000
	Education	193,766,300	29,305,300	19,630,000	17,792,000	6,122,000	18,556,000	16,288,000	14,061,000	72,012,000
	General Government	17,062,755	5,128,755	2,848,000	811,000	964,000	1,190,000	1,551,000	774,000	3,796,000
	Parks & Recreation	2,372,589	375,589	346,000	73,000	241,000	346,000	374,000	336,000	281,000
	Public Safety	15,283,100	1,177,100	893,000	884,000	583,000	702,000	638,000	1,288,000	9,118,000
	Railroad Crossings	1,608,000	134,000	273,000	0	284,000	0	295,000	0	622,000
	Road Improvement	147,340,810	44,703,810	11,153,000	9,753,000	13,388,000	10,402,000	7,767,000	11,347,000	38,827,000
	Solid Waste	6,475,500	1,801,500	939,000	26,000	27,000	27,000	1,985,000	28,000	1,642,000
	Transit	9,107,726	1,528,726	326,000	334,000	265,000	348,000	2,518,000	1,246,000	2,542,000
	Water Quality	68,227,419	24,050,419	3,747,000	7,287,000	9,878,000	1,535,000	1,786,000	12,117,000	7,827,000
	TOTAL	519,172,676	116,352,676	46,730,000	43,914,000	39,447,000	38,365,000	38,011,000	44,338,000	152,015,000
	Funding Sources									
	General Fund	40,034,151	15,330,151	1,800,000	2,272,000	2,420,000	2,202,000	2,205,000	2,550,000	11,255,000
	Highway Fund	2,300,000	800,000	150,000	150,000	150,000	150,000	150,000	150,000	600,000
	Hotel Rental Fund	1,600,000	0	337,000	0	440,000	276,000	258,000	289,000	0
	Solid Waste Fund	1,036,328	782,328	0	26,000	27,000	27,000	28,000	28,000	118,000
	Utility Admin Fund	1,502,100	379,100	78,000	158,000	27,000	59,000	149,000	152,000	500,000
	Water Fund	1,192,300	535,300	102,000	26,000	306,000	29,000	31,000	31,000	132,000
	Sewer Fund	3,595,549	2,621,549	64,000	52,000	180,000	151,000	121,000	78,000	328,000
	Airport Fund	380,300	71,300	30,000	31,000	32,000	32,000	33,000	34,000	117,000
	Tax Supported Bond	190,647,683	34,647,683	12,000,000	16,000,000	16,000,000	16,000,000	16,000,000	16,000,000	64,000,000
	Self Supported Bond	45,876,270	4,951,270	3,460,000	7,051,000	6,559,000	1,296,000	3,442,000	10,726,000	8,391,000
	Transfer Tax	15,769,100	1,269,100	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	7,000,000
	Excise Tax - Schools	6,660,400	1,392,400	242,000	289,000	336,000	429,000	522,000	600,000	2,850,000
	Excise Tax - Roads	1,663,320	430,320	69,000	81,000	94,000	119,000	145,000	145,000	580,000
	Excise Tax - Other	737,800	466,800	15,000	18,000	20,000	26,000	32,000	32,000	128,000
	Excise Tax - Library	129,900	6,900	7,000	8,000	10,000	12,000	14,000	15,000	57,000
	Excise Tax - Non-Residential	5,437,905	787,905	210,000	260,000	360,000	460,000	560,000	560,000	2,240,000
	APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
	Capital Reserve - General	17,757,020	10,901,020	6,856,000	0	0	0	0	0	0
	Capital Reserve - Airport	55,000	0	55,000	0	0	0	0	0	0
	Capital Reserve - Solid Waste	1,776,200	837,200	939,000	0	0	0	0	0	0
Capital Reserve - Transit	33,000	0	33,000	0	0	0	0	0	0	
Capital Reserve - Sewer	43,000	0	43,000	0	0	0	0	0	0	
Federal Grant	37,611,939	10,017,939	4,821,000	3,901,000	4,708,000	1,415,000	3,291,000	1,500,000	7,958,000	
State Grant	134,781,312	29,940,312	12,613,000	9,845,000	3,907,000	13,832,000	9,630,000	9,948,000	45,066,000	
Contributions	8,468,000	100,000	1,806,000	2,646,000	2,671,000	550,000	0	0	695,000	
TOTAL	519,172,676	116,352,676	46,730,000	43,914,000	39,447,000	38,365,000	38,011,000	44,338,000	152,015,000	

*Project Detail of Major Projects – Fiscal Years 2015-2024*

Project Name	Project Description	Ten Year Project Budget
Pavement Maintenance and Rehabilitation Program	This project includes the modification of county-wide pavement maintenance program targeting rehabilitation of county highway pavement, as required. Techniques may include but not be limited to road reclamation, bituminous concrete overlay, crack sealing, and surface treatment. Individual projects will be determined on an annual basis consistent with the County's overall Pavement Management Program.	46,345,000
Western Heights Middle School Modernization	The project includes renovation of 113,970 square feet built in 1983 and an addition of 21,345 square feet for expanded community gym, music, science, art and support programs.	28,015,000
E. Russell Hicks Middle School	The project will provide a partial renovation (103,131 square feet) and an addition of 12,914 square feet.	21,081,000
Sharpsburg Elementary Replacement	Construction of 63,818 S.F. replacement building to support 471 students.	20,147,000
West City Elementary School – Phase 1 – Began in FY 2013	A new 56,818 SF facility to house a 3-round, Pre-K through 5th Grade elementary school with a capacity of 471 students, with a core space sized for a 5-round school to accommodate future expansion. Provisions have been made within this budget request for an expanded gymnasium for community use in partnership with the Buildings, Grounds and Parks Department. This project will allow the closing and consolidation of two aging, inadequate elementary school facilities: Winter Street and Conococheague Elementary.	18,003,000
Capital Maintenance – Board of Education	Projects vary depending on the conditions, safety, security, and utility requirements. The Comprehensive Maintenance Plan outlines specific projects over the next five years. Projects include improved lighting, sidewalk replacements, paving repairs, flooring repairs, door replacement, large painting projects, locker replacement, interior renovations, and security system installations. Projects are targeted to reduce deferred maintenance.	16,282,000
Conococheague Wastewater Treatment Plant – ENR Upgrades – Began in FY 2006	This project will plan, design, and construct upgrades required to meet Maryland Department of the Environment (MDE) Enhanced Nutrient Removal (ENR) strategy.	14,758,000

Project Name	Project Description	Ten Year Project Budget
Police, Fire and Emergency Services Training Facility	As the need for police, fire, and emergency services continues to grow, the need for a facility for training emergency personnel grows as well. Such a facility would be centralized to the area, easily accessible, and utilized by state, county and local police departments, correctional guards, and security guards. Classroom training for fire and emergency services departments, that predominantly takes place currently in local fire houses, would be held in this facility. This project would be a natural extension of similar training already offered at HCC, such as the Emergency Medical Technician and Administration of Justice programs.	14,502,000
Student Center Expansion – Began in FY 2012	The College/Student Center currently houses student service functions such as the campus store, food service, meeting space, student activities and student government. With the anticipated enrollment growth over the next several years, these spaces will need to be expanded to continue to provide basic services.	11,344,000
Smithsburg Wastewater Treatment Plant – Facility Improvements Began in FY 2010	The project will upgrade the facility to address the MDE strategy for ENR and expand capacity to address growth needs of the area.	11,296,000

**Washington County, Maryland**  
**Capital Improvement 10yr Detail**  
**Fiscal Year 2015 - 2024**

Project	Total	Prior Appr.	Budget Year		Ten Year Capital Program				
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs									
<u>Airport</u>									
Capital Equipment - Airport	3,940,000	0	412,000	364,000	371,000	378,000	385,000	392,000	1,638,000
Fuel Farm Relocation	1,918,000	0	0	0	0	886,000	1,032,000	0	0
Land Acquisition - Airport	816,000	0	816,000	0	0	0	0	0	0
T-Hanger 1, 2 and 3 Replacement	1,778,000	0	0	31,000	32,000	32,000	33,000	34,000	1,616,000
Taxiway A and D Rehabilitation	3,637,000	1,400,000	2,237,000	0	0	0	0	0	0
Taxiway C and Roadway Loop Rehab	2,023,000	0	180,000	1,843,000	0	0	0	0	0
Taxiway T Construction	966,000	0	0	0	0	0	0	168,000	798,000
Runway 9/27 Rehabilitation	2,568,000	0	0	0	0	0	0	0	2,568,000
Building 18 Partial Roof Replacement	58,500	28,500	30,000	0	0	0	0	0	0
Air Traffic Control Tower Replacement	260,000	0	171,000	17,000	0	33,000	0	39,000	0
Passenger Terminal Hold Room Expansion	2,000,000	0	202,000	0	1,798,000	0	0	0	0
Airport Security System Enhancements	154,000	0	154,000	0	0	0	0	0	0
Airport Total	20,118,500	1,428,500	4,202,000	2,255,000	2,201,000	1,329,000	1,450,000	633,000	6,620,000
<u>Bridges</u>									
Hopewell Road Culvert 02/01	297,100	5,100	0	292,000	0	0	0	0	0
Bridge Inspection & Inventory	538,100	192,100	0	156,000	0	22,000	0	168,000	0
Dogstreet Road Bridge W5932P	1,055,400	166,400	0	0	889,000	0	0	0	0
Spur Road Culvert 07/16	291,000	0	46,000	245,000	0	0	0	0	0
Leiters Mill Road Bridge W2292	1,212,400	1,202,400	10,000	0	0	0	0	0	0
Old Roxbury Road Bridge W5372	4,133,077	900,077	0	26,000	3,207,000	0	0	0	0
Poffenberger Road Bridge W4011	737,900	685,900	0	52,000	0	0	0	0	0
Poffenberger Road Bridge W4012	1,409,000	1,305,000	0	104,000	0	0	0	0	0
Hopewell Road Culvert 02/02	232,100	10,100	0	222,000	0	0	0	0	0
Mousetown Road Culvert 06/02	251,300	16,300	235,000	0	0	0	0	0	0
Keedysville Road Bridge W5651	1,427,600	257,600	0	1,170,000	0	0	0	0	0
Crystal Falls Drive Bridge W3051	1,346,500	405,500	0	941,000	0	0	0	0	0
Wright Road Culvert 02/06	184,000	2,000	0	182,000	0	0	0	0	0
Sprecher Road Bridge W5661	246,000	0	246,000	0	0	0	0	0	0
Sprecher Road Bridge W5662	256,000	0	256,000	0	0	0	0	0	0
Rinehart Road Culvert 14/03	323,000	0	0	0	6,000	317,000	0	0	0
Kretsinger Road Culvert 14/01	301,000	0	0	0	0	301,000	0	0	0
Frog Eye Road Culvert 11/06	558,000	0	0	0	0	558,000	0	0	0
Cleaning and Painting of Steel Bridges	424,000	0	0	0	424,000	0	0	0	0
Wright Road Culvert 02/05	228,000	0	5,000	223,000	0	0	0	0	0
Keefer Road Bridge 15/20	183,000	0	0	0	0	183,000	0	0	0
Burnside Bridge Road Culvert 01/03	292,000	0	0	0	0	292,000	0	0	0
Greenspring Furnace Road Culvert 15/15	381,000	0	0	0	0	0	381,000	0	0
Harpers Ferry Road Culvert 11/02	521,000	0	0	0	0	0	521,000	0	0
Back Road Culvert 11/03	278,000	0	0	0	0	0	278,000	0	0
Long Hollow Road Culvert 05/07	281,000	0	0	0	0	0	0	281,000	0
Hoffman's Inn Road Culvert 05/06	289,000	0	0	0	0	0	0	289,000	0
Henline Road Culvert 05/05	423,000	0	0	0	0	0	0	423,000	0
Bridge Scour Repairs	208,000	0	0	208,000	0	0	0	0	0
Bowie Road Culvert	274,000	0	0	0	0	0	0	13,000	261,000
Remsburg Road Culvert	280,000	0	0	0	0	0	0	13,000	267,000
Lanes Road Culvert 15/12	280,000	0	0	0	0	0	0	0	280,000
Greenbrier Road Culvert 16/14	309,000	0	0	0	0	0	0	0	309,000
Taylors Landing Road Bridge W7101	1,150,000	0	0	0	0	0	0	0	1,150,000
Mooresville Road Culvert 15/21	333,000	0	0	0	0	0	0	0	333,000
Draper Road Culvert 04/07	390,000	0	0	0	0	0	0	0	390,000
Draper Road Culvert 04/08	354,000	0	0	0	0	0	0	0	354,000
Welty Church Road Culvert 14/06	313,000	0	0	0	0	0	0	0	313,000

**Washington County, Maryland**  
**Capital Improvement 10yr Detail**  
**Fiscal Year 2015 - 2024**

Project	Total	Prior Appr.	Budget Year			Ten Year Capital Program				
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future	
Willow Road Culvert 05/10	296,000	0	0	0	0	0	0	0	296,000	
Broadfording Road Culvert 04/03	425,000	0	0	0	0	0	0	0	425,000	
Gruber Road Bridge 04/10	279,000	0	0	0	0	0	0	0	279,000	
Ashton Road Culvert 04/06	392,000	0	0	0	0	0	0	0	392,000	
Yarrowsburg Road Bridge W6191	160,000	0	0	0	0	0	0	0	160,000	
<b>Bridges Total</b>	<b>23,542,477</b>	<b>5,148,477</b>	<b>798,000</b>	<b>3,821,000</b>	<b>4,526,000</b>	<b>1,673,000</b>	<b>1,180,000</b>	<b>1,187,000</b>	<b>5,209,000</b>	
<b><u>Drainage</u></b>										
Interstate Industrial Park Stormwater Mgmt	661,000	0	0	0	0	0	661,000	0	0	
Stream Restoration at Various Locations	2,882,600	665,600	715,000	0	42,000	432,000	0	45,000	983,000	
Stormwater Retrofits	8,857,900	904,900	860,000	878,000	894,000	912,000	928,000	945,000	2,536,000	
Shank Road Drainage	162,000	0	0	0	0	0	162,000	0	0	
Hoffmaster and Harpers Ferry Road Drainage	945,000	0	0	0	32,000	913,000	0	0	0	
Harpers Ferry Road Drainage, 3600 Block	397,000	0	0	0	0	0	66,000	331,000	0	
Brookfield Avenue Drainage	116,000	0	0	0	0	0	116,000	0	0	
Broadfording Church Road Culvert	246,000	0	0	0	0	0	246,000	0	0	
<b>Drainage Total</b>	<b>14,267,500</b>	<b>1,570,500</b>	<b>1,575,000</b>	<b>878,000</b>	<b>968,000</b>	<b>2,257,000</b>	<b>2,179,000</b>	<b>1,321,000</b>	<b>3,519,000</b>	
<b><u>Board of Education</u></b>										
Relocatable Classrooms	936,000	0	0	0	0	0	0	0	936,000	
Capital Maintenance - BOE	23,384,000	7,102,000	2,782,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000	
Bester Elementary (Replacement School)	22,881,500	20,197,500	2,684,000	0	0	0	0	0	0	
E. Russell Hicks Middle School (Reno/Addition)	21,081,000	0	0	0	0	0	0	0	21,081,000	
West City Elementary School - Phase I	18,903,000	900,000	8,878,000	7,280,000	1,845,000	0	0	0	0	
Sharpsburg Elementary School- Replacement	20,147,000	0	0	0	1,802,000	8,004,000	8,407,000	1,934,000	0	
Western Heights Middle School Modernization	28,015,000	0	0	0	0	0	1,870,000	10,416,000	15,729,000	
Concepts for High School Capacity	4,521,000	0	0	0	0	0	0	0	4,521,000	
Concepts for Elementary Capacity	3,256,000	0	0	0	0	0	0	0	3,256,000	
<b>Board of Education Total</b>	<b>143,124,500</b>	<b>28,199,500</b>	<b>14,344,000</b>	<b>8,780,000</b>	<b>5,147,000</b>	<b>9,504,000</b>	<b>11,777,000</b>	<b>13,850,000</b>	<b>51,523,000</b>	
<b><u>Hagerstown Community College</u></b>										
Campus Operations Building	5,727,000	0	0	0	0	0	0	0	5,727,000	
Student Center Expansion	12,199,800	855,800	5,087,000	6,257,000	0	0	0	0	0	
Technology Center Renovation	7,832,000	0	0	0	0	0	0	0	7,832,000	
Police, Fire and Emerg Svcs Training Facility	14,502,000	0	0	0	965,000	9,040,000	4,497,000	0	0	
Central Utility Plant Upgrade	2,939,000	0	192,000	2,747,000	0	0	0	0	0	
Teacher Education Center	3,812,000	0	0	0	0	0	0	196,000	3,616,000	
<b>Hagerstown Community College</b>	<b>47,011,800</b>	<b>855,800</b>	<b>5,279,000</b>	<b>9,004,000</b>	<b>965,000</b>	<b>9,040,000</b>	<b>4,497,000</b>	<b>196,000</b>	<b>17,175,000</b>	
<b><u>Public Libraries</u></b>										
Hancock Public Library Replacement	3,630,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	3,314,000	
<b>Public Libraries Total</b>	<b>3,630,000</b>	<b>250,000</b>	<b>7,000</b>	<b>8,000</b>	<b>10,000</b>	<b>12,000</b>	<b>14,000</b>	<b>15,000</b>	<b>3,314,000</b>	
<b><u>General Government</u></b>										
Contingency - General Fund	1,254,055	358,055	0	0	212,000	0	220,000	0	464,000	
Bond Issuance Costs	1,371,000	352,000	98,000	99,000	100,000	100,000	101,000	102,000	419,000	
Financial System Management & Upgrades	1,038,100	561,100	102,000	104,000	32,000	32,000	33,000	34,000	140,000	
General - Equipment and Vehicle Replacement Program	2,624,000	404,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000	
Systemic Improvements Buildings	2,545,000	325,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000	
County Admin Bldg Renovations	3,940,100	2,230,100	1,710,000	0	0	0	0	0	0	
Renovate Massey Shell Bldg - Balt. St.	1,007,000	0	0	0	0	426,000	581,000	0	0	
Information Systems Replacement Program	2,206,500	311,500	151,000	156,000	159,000	162,000	176,000	190,000	901,000	
Broadband Wireless Network Infrastructure	384,000	237,000	36,000	36,000	37,000	38,000	0	0	0	
Accela Software Upgrade	693,000	350,000	343,000	0	0	0	0	0	0	
<b>General Government Total</b>	<b>17,062,755</b>	<b>5,128,755</b>	<b>2,848,000</b>	<b>811,000</b>	<b>964,000</b>	<b>1,190,000</b>	<b>1,551,000</b>	<b>774,000</b>	<b>3,796,000</b>	

**Washington County, Maryland**  
**Capital Improvement 10yr Detail**  
**Fiscal Year 2015 - 2024**

Project	Total	Prior Appr.	Budget Year		Ten Year Capital Program					
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future	
<b><u>Parks &amp; Recreation</u></b>										
BR Capital Equipment Replacement Program	923,589	215,589	204,000	52,000	53,000	54,000	55,000	56,000	234,000	
Kemps Mill Park	931,000	0	0	0	106,000	270,000	275,000	280,000	0	
Tree Forestation	130,000	20,000	20,000	0	21,000	0	22,000	0	47,000	
Chestnut Grove Park, Overlay Parking lot	40,000	0	0	0	40,000	0	0	0	0	
Park Land Acquisition	202,000	100,000	102,000	0	0	0	0	0	0	
Tennis Courts, Resurfacing	146,000	40,000	20,000	21,000	21,000	22,000	22,000	0	0	
<b>Parks &amp; Recreation Total</b>	<b>2,372,589</b>	<b>375,589</b>	<b>346,000</b>	<b>73,000</b>	<b>241,000</b>	<b>346,000</b>	<b>374,000</b>	<b>336,000</b>	<b>281,000</b>	
<b><u>Public Safety</u></b>										
Replacement Emergency Services/9-1-1 Center	90,000	0	0	0	0	0	0	0	90,000	
Backup Generator Emergency Shelter	179,000	0	179,000	0	0	0	0	0	0	
Communication Tower(s) various locations	544,000	0	0	208,000	0	108,000	0	112,000	116,000	
Detention Center Renovations	7,221,000	0	0	0	0	0	33,000	616,000	6,572,000	
Emergency Svcs Equip & Vehicle Program	1,872,500	240,500	306,000	260,000	159,000	162,000	165,000	112,000	468,000	
Law Enforcement - Fleet Replacement Program	5,376,600	936,600	408,000	416,000	424,000	432,000	440,000	448,000	1,872,000	
<b>Public Safety Total</b>	<b>15,283,100</b>	<b>1,177,100</b>	<b>893,000</b>	<b>884,000</b>	<b>583,000</b>	<b>702,000</b>	<b>638,000</b>	<b>1,288,000</b>	<b>9,118,000</b>	
<b><u>Railroad Crossings</u></b>										
Railroad Crossing Improvements	1,608,000	134,000	273,000	0	284,000	0	295,000	0	622,000	
<b>Railroad Crossings Total</b>	<b>1,608,000</b>	<b>134,000</b>	<b>273,000</b>	<b>0</b>	<b>284,000</b>	<b>0</b>	<b>295,000</b>	<b>0</b>	<b>622,000</b>	
<b><u>Road Improvement</u></b>										
Pavement Maintenance and Rehab Program	63,556,160	17,211,160	4,259,000	4,342,000	4,426,000	4,509,000	4,593,000	4,676,000	19,540,000	
Longmeadow Road	588,000	60,000	0	0	0	0	0	0	528,000	
Eastern Boulevard Extended	9,917,250	285,250	0	0	0	0	0	0	9,632,000	
Southern Boulevard I	8,917,100	6,023,100	918,000	1,976,000	0	0	0	0	0	
E. Oak Ridge Drive/South Pointe Signal	349,000	0	0	0	0	0	0	117,000	232,000	
Eastern Boulevard Widening Phase I	8,253,100	7,743,100	510,000	0	0	0	0	0	0	
Eastern Boulevard Widening Phase II	7,312,300	641,300	195,000		3,342,000	3,134,000	0	0	0	
Wagaman Road Realignment	1,020,000	0	0	0	0	0	0	0	1,020,000	
Transportation ADA	1,625,200	759,200	77,000	87,000	88,000	87,000	87,000	87,000	353,000	
Eastern Blvd. at Antietam Drive Intersection Improvement	3,358,000	502,000	0	1,414,000	1,442,000	0	0	0	0	
Yale Drive Extended - Phase II	3,471,640	2,757,640	714,000	0	0	0	0	0	0	
Professional Boulevard Extended - Phase II	6,962,500	1,434,500	0	0	0	0	0	2,222,000	3,306,000	
Professional Boulevard Extended - Ph I/Bridge over Antietam Creek	9,913,000	125,000	1,397,000	260,000	1,484,000	1,776,000	2,317,000	2,554,000	0	
Yale Drive Extended - Phase I	6,237,360	5,523,360	714,000	0	0	0	0	0	0	
MD Rt 144 and Western MD Pkwy Roundabout	1,026,000	0	20,000	468,000	538,000	0	0	0	0	
Mt Aetna Road Spot Improvements	420,000	0	0	0	0	0	0	0	420,000	
Meadow View Dr and Oak Hill Ave Roundabout	520,000	0	0	0	0	0	0	0	520,000	
Valley Mall Road Improvements	423,700	86,700	337,000	0	0	0	0	0	0	
Valley Mall Area Road Improvements Phase II	1,015,000	0	220,000	0	795,000	0	0	0	0	
Battery Backup Op for Signalized Intersections	278,000	60,000	0	218,000	0	0	0	0	0	
Colonial Park East Subdivision Traffic Calming	355,000	168,000	31,000	156,000	0	0	0	0	0	
Medical Campus Road Signal	440,000	0	0	0	440,000	0	0	0	0	
Marsh Pike Sidewalk Extension	506,000	0	506,000	0	0	0	0	0	0	
Highway Central Section - New Facility	2,220,000	0	204,000	208,000	212,000	216,000	220,000	224,000	936,000	
HWY Equip and Vehicle Replacement Program	7,363,500	1,323,500	1,000,000	520,000	530,000	540,000	550,000	560,000	2,340,000	
Highway Maintenance Shop - Western Section	386,000	0	51,000	104,000	91,000	140,000	0	0	0	
HWY Western Section - Fuel Tank Replacement	907,000	0	0	0	0	0	0	907,000	0	
<b>Road Improvement Total</b>	<b>147,340,810</b>	<b>44,703,810</b>	<b>11,153,000</b>	<b>9,753,000</b>	<b>13,388,000</b>	<b>10,402,000</b>	<b>7,767,000</b>	<b>11,347,000</b>	<b>38,827,000</b>	



**Washington County, Maryland**  
**Capital Improvement 10yr Detail**  
**Fiscal Year 2015 - 2024**

Project	Total	Prior Appr.	Budget Year		Ten Year Capital Program				
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
<b><u>Solid Waste</u></b>									
Contingency - Solid Waste	465,500	211,500	0	26,000	27,000	27,000	28,000	28,000	118,000
Close Out Cap - Rubble Fill	2,038,400	81,400	0	0	0	0	1,957,000	0	0
Hancock Landfill - Gas Flares	656,400	279,400	377,000	0	0	0	0	0	0
City/County Leachate Upgrades	1,535,200	1,229,200	306,000	0	0	0	0	0	0
40 West Pavement Rehab and Bridge Repair	684,000	0	0	0	0	0	0	0	684,000
Seal Coating Closed Facilities	840,000	0	0	0	0	0	0	0	840,000
40 West Landfill Wetland Modifications	179,000	0	179,000	0	0	0	0	0	0
40 West Landfill Abutment Washout	77,000	0	77,000	0	0	0	0	0	0
<b>Solid Waste Total</b>	<b>6,475,500</b>	<b>1,801,500</b>	<b>939,000</b>	<b>26,000</b>	<b>27,000</b>	<b>27,000</b>	<b>1,985,000</b>	<b>28,000</b>	<b>1,642,000</b>
<b><u>Transit</u></b>									
Fixed Route Bus Replacement Program	4,995,600	924,600	0	0	0	0	2,153,000	857,000	1,061,000
ADA Bus Replacement	798,000	65,000	71,000	74,000	0	78,000	90,000	109,000	311,000
Vehicle Maintenance Program	3,314,126	539,126	255,000	260,000	265,000	270,000	275,000	280,000	1,170,000
<b>Transit Total</b>	<b>9,107,726</b>	<b>1,528,726</b>	<b>326,000</b>	<b>334,000</b>	<b>265,000</b>	<b>348,000</b>	<b>2,518,000</b>	<b>1,246,000</b>	<b>2,542,000</b>
<b><u>Water Quality</u></b>									
<b>Utility Administration</b>									
Contingency - Utility Admin	436,600	182,600	0	26,000	27,000	27,000	28,000	28,000	118,000
General Building Improvements	1,211,000	101,000	0	0	0	0	550,000	560,000	0
Laboratory Rehab of Ventilation System	270,000	0	0	0	0	270,000	0	0	0
WQ Equip and Vehicle Replacement Program	1,161,000	172,000	78,000	132,000	0	32,000	121,000	124,000	502,000
<b>Utility Administration Total</b>	<b>3,078,600</b>	<b>455,600</b>	<b>78,000</b>	<b>158,000</b>	<b>27,000</b>	<b>329,000</b>	<b>699,000</b>	<b>712,000</b>	<b>620,000</b>
<b>Wastewater Utility</b>									
Contingency - Sewer	405,939	60,939	0	0	0	0	55,000	56,000	234,000
Smithsburg WwTP - Facility Improvements	16,549,970	5,253,970	0	0	0	0	0	11,296,000	0
Pump Station Upgrades - Various Stations	1,833,700	783,700	0	520,000	530,000	0	0	0	0
Conococheague Wastewater Treatment Plant	31,104,410	16,346,410	2,952,000	5,903,000	5,903,000	0	0	0	0
Replace PO 2 Pump Station	1,349,000	0	0	0	1,349,000	0	0	0	0
Potomac Edison Pump Station & Force Main	1,544,000	0	0	0	1,544,000	0	0	0	0
Antietam WwTP - Facility Improvements	1,690,000	580,000	510,000	0	0	0	0	0	600,000
Roof replacement at Conococheague WwTP	208,000	0	0	208,000	0	0	0	0	0
General WwTP Improvements	2,551,000	0	0	312,000	0	0	0	0	2,239,000
Collection System Rehabilitation Project	2,515,000	0	0	0	0	810,000	825,000	0	880,000
Sandy Hook WwTP	812,000	0	0	0	0	0	0	0	812,000
Heavy Sewer EQP and VEH Replacement	518,000	60,000	64,000	10,000	138,000	108,000	22,000	22,000	94,000
Upgrade Grinder Pump	212,000	0	41,000	42,000	42,000	43,000	44,000	0	0
<b>Wastewater Utility Total</b>	<b>61,293,019</b>	<b>23,085,019</b>	<b>3,567,000</b>	<b>6,995,000</b>	<b>9,506,000</b>	<b>961,000</b>	<b>946,000</b>	<b>11,374,000</b>	<b>4,859,000</b>
<b>Water Utility</b>									
Contingency - Water	430,800	154,800	0	26,000	27,000	29,000	31,000	31,000	132,000
WQ Water Main and Meter Replacement	1,693,000	203,000	102,000	0	318,000	0	0	0	1,070,000
Sandy Hook Water Treatment Plant EQP	110,000	0	0	0	0	0	110,000	0	0
General Water Treatment Plant Improvements	488,000	152,000	0	108,000	0	0	0	0	228,000
Sharpsburg Water Treatment Plant	216,000	0	0	0	0	216,000	0	0	0
Mt Aetna Water System Improvements	570,000	0	0	0	0	0	0	0	570,000
Highfield and Sharpsburg Water Storage Tank	348,000	0	0	0	0	0	0	0	348,000
<b>Water Utility Total</b>	<b>3,855,800</b>	<b>509,800</b>	<b>102,000</b>	<b>134,000</b>	<b>345,000</b>	<b>245,000</b>	<b>141,000</b>	<b>31,000</b>	<b>2,348,000</b>
<b>Water Quality Total</b>	<b>68,227,419</b>	<b>24,050,419</b>	<b>3,747,000</b>	<b>7,287,000</b>	<b>9,878,000</b>	<b>1,535,000</b>	<b>1,786,000</b>	<b>12,117,000</b>	<b>7,827,000</b>
<b>TOTAL</b>	<b>519,172,676</b>	<b>116,352,676</b>	<b>46,730,000</b>	<b>43,914,000</b>	<b>39,447,000</b>	<b>38,365,000</b>	<b>38,011,000</b>	<b>44,338,000</b>	<b>152,015,000</b>

**Washington County, Maryland**  
**Capital Improvement 10yr Detail**  
**Fiscal Year 2015 - 2024**

	Budget Year				Ten Year Capital Program				
	Total	Prior Appr.	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Funding Sources									
General Fund	40,034,151	15,330,151	1,800,000	2,272,000	2,420,000	2,202,000	2,205,000	2,550,000	11,255,000
Highway Fund	2,300,000	800,000	150,000	150,000	150,000	150,000	150,000	150,000	600,000
Hotel Rental Fund	1,600,000	0	337,000	0	440,000	276,000	258,000	289,000	0
Solid Waste Fund	1,036,328	782,328	0	26,000	27,000	27,000	28,000	28,000	118,000
Utility Admin Fund	1,502,100	379,100	78,000	158,000	27,000	59,000	149,000	152,000	500,000
Water Fund	1,192,300	535,300	102,000	26,000	306,000	29,000	31,000	31,000	132,000
Sewer Fund	3,595,549	2,621,549	64,000	52,000	180,000	151,000	121,000	78,000	328,000
Airport Fund	380,300	71,300	30,000	31,000	32,000	32,000	33,000	34,000	117,000
Tax Supported Bond	190,647,683	34,647,683	12,000,000	16,000,000	16,000,000	16,000,000	16,000,000	16,000,000	64,000,000
Self Supported Bond	45,876,270	4,951,270	3,460,000	7,051,000	6,559,000	1,296,000	3,442,000	10,726,000	8,391,000
Transfer Tax	15,769,100	1,269,100	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	7,000,000
Excise Tax - Schools	6,660,400	1,392,400	242,000	289,000	336,000	429,000	522,000	600,000	2,850,000
Excise Tax - Roads	1,663,320	430,320	69,000	81,000	94,000	119,000	145,000	145,000	580,000
Excise Tax - Other	737,800	466,800	15,000	18,000	20,000	26,000	32,000	32,000	128,000
Excise Tax - Library	129,900	6,900	7,000	8,000	10,000	12,000	14,000	15,000	57,000
Excise Tax - Non-Residential	5,437,905	787,905	210,000	260,000	360,000	460,000	560,000	560,000	2,240,000
APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
Capital Reserve - General	17,757,020	10,901,020	6,856,000	0	0	0	0	0	0
Capital Reserve - Airport	55,000	0	55,000	0	0	0	0	0	0
Capital Reserve - Solid Waste	1,776,200	837,200	939,000	0	0	0	0	0	0
Capital Reserve - Transit	33,000	0	33,000	0	0	0	0	0	0
Capital Reserve - Sewer	43,000	0	43,000	0	0	0	0	0	0
Federal Grant	37,611,939	10,017,939	4,821,000	3,901,000	4,708,000	1,415,000	3,291,000	1,500,000	7,958,000
State Grant	134,781,312	29,940,312	12,613,000	9,845,000	3,907,000	13,832,000	9,630,000	9,948,000	45,066,000
Contributions	8,468,000	100,000	1,806,000	2,646,000	2,671,000	550,000	0	0	695,000
TOTAL	519,172,676	116,352,676	46,730,000	43,914,000	39,447,000	38,365,000	38,011,000	44,338,000	152,015,000

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**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Airport										
42	Capital Equipment - Airport	3,940,000	0	412,000	364,000	371,000	378,000	385,000	392,000	1,638,000
43	Fuel Farm Relocation	1,918,000	0	0	0	0	886,000	1,032,000	0	0
44	Land Acquisition - Airport	816,000	0	816,000	0	0	0	0	0	0
45	T-Hanger 1, 2 and 3 Replacement	1,778,000	0	0	31,000	32,000	32,000	33,000	34,000	1,616,000
46	Taxiway A and D Rehabilitation	3,637,000	1,400,000	2,237,000	0	0	0	0	0	0
47	Taxiway C and Roadway Loop Rehab	2,023,000	0	180,000	1,843,000	0	0	0	0	0
48	Taxiway T Construction	966,000	0	0	0	0	0	0	168,000	798,000
49	Runway 9/27 Rehabilitation	2,568,000	0	0	0	0	0	0	0	2,568,000
50	Building 18 Partial Roof Replacement	58,500	28,500	30,000	0	0	0	0	0	0
51	Air Traffic Control Tower Replacement	260,000	0	171,000	17,000	0	33,000	0	39,000	0
52	Passenger Terminal Hold Room Expansion	2,000,000	0	202,000	0	1,798,000	0	0	0	0
53	Airport Security System Enhancements	154,000	0	154,000	0	0	0	0	0	0
Airport Total		20,118,500	1,428,500	4,202,000	2,255,000	2,201,000	1,329,000	1,450,000	633,000	6,620,000
Funding Sources										
General Fund		676,844	93,844	144,000	18,000	108,000	29,000	19,000	67,000	198,000
Airport Fund		380,300	71,300	30,000	31,000	32,000	32,000	33,000	34,000	117,000
Tax Supported Bond		280,000	0	0	109,000	0	68,000	52,000	0	51,000
Capital Reserve - General		255,000	0	255,000	0	0	0	0	0	0
Capital Reserve - Airport		55,000	0	55,000	0	0	0	0	0	0
Federal Grant		17,189,155	997,155	3,412,000	1,987,000	1,952,000	1,137,000	1,276,000	504,000	5,924,000
State Grant		1,282,201	266,201	306,000	110,000	109,000	63,000	70,000	28,000	330,000
		20,118,500	1,428,500	4,202,000	2,255,000	2,201,000	1,329,000	1,450,000	633,000	6,620,000

Project Title: Capital Equipment - Airport

Project Number: 139

Account Number: EQP031

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000

Description:

The following items included in the FY 2015 budget consist of an Airfield Line Striper, ATV Weed Control Vehicle, and (2) Replacement Pickups with plows.  
2015 - \$55,000 Airport Funding will pay for the following:  
Exterior Lighting Wall Packs 38,500  
Roof Replacement Bldg #55 7,000  
Fire Alarm System 5,000  
Mower Deck 4,200

Assumptions & Justifications:

Anticipating FAA grant funding as follows:  
90% Federal funding  
5% State funding  
5% Local funding

The Airport maintains an inventory of specialized and heavy equipment and vehicles, including a fire apparatus for maintenance activities. Each year, the equipment is identified if replacement is necessary based on age and life expectancy. The goal of the replacement program is to balance replacement costs versus maintenance costs. In line with objectives of a well managed organization, the Airport strives to establish an equipment replacement program that will set the equipment replacement cycle in line with best practices, minimizing maintenance costs.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	3,940,000	0	412,000	364,000	371,000	378,000	385,000	392,000	1,638,000
Total Cost	3,940,000	0	412,000	364,000	371,000	378,000	385,000	392,000	1,638,000

Funding Sources:

General Fund	215,844	0	18,000	18,000	18,000	19,000	19,000	19,000	81,000
Airport Fund	42,800	0	0	0	0	0	0	0	0
Capital Reserve - Airport	55,000	0	55,000	0	0	0	0	0	0
Federal Grant	3,234,155	0	321,000	328,000	334,000	340,000	347,000	353,000	1,474,000
State Grant	392,201	0	18,000	18,000	19,000	19,000	19,000	20,000	83,000
Total Funding	3,940,000	0	412,000	364,000	371,000	378,000	385,000	392,000	1,638,000

Project Title:      Fuel Farm Relocation

Project Number:      141

Account Number:      LDI033

Projected Annual FTE's:      0

Projected Operating Costs:      \$0



Description:

This project will relocate the fuel farm.

Assumptions & Justifications:

- Pending grant funding approval
- 90% Federal Aviation Administration funding anticipated
- 5% Maryland Aviation Administration funding anticipated
- 5% Local funding

The existing fuel farm is in close proximity to Runway 20 and should be relocated and upgraded. A location will be determined and a new fuel farm will be constructed.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	2,000	2,000	0	0	0	0	0	0	0
Construction	1,474,300	(443,700)	0	0	0	886,000	1,032,000	0	0
Equipment/Furniture	441,700	441,700	0	0	0	0	0	0	0
Total Cost	1,918,000	0	0	0	0	886,000	1,032,000	0	0

Funding Sources:

General Fund	10,000	0	0	0	0	10,000	0	0	0
Airport Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	87,000	0	0	0	0	35,000	52,000	0	0
Federal Grant	1,726,000	0	0	0	0	797,000	929,000	0	0
State Grant	95,000	0	0	0	0	44,000	51,000	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
Total Funding	1,918,000	0	0	0	0	886,000	1,032,000	0	0

**Projected Operating Costs:      \$0**



The new Airport Layout Plan will identify land recommended to be acquired to enhance future development of the Airport.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Land Acquisition	816,000	0	816,000	0	0	0	0	0	0
<b>Total Cost</b>	<b>816,000</b>	<b>0</b>	<b>816,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

General Fund	41,000	0	41,000	0	0	0	0	0	0
Federal Grant	734,000	0	734,000	0	0	0	0	0	0
State Grant	41,000	0	41,000	0	0	0	0	0	0
<b>Total Funding</b>	<b>816,000</b>	<b>0</b>	<b>816,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Project Title: T-Hanger 1, 2 and 3 Replacement

Project Number: 1154

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project includes the demolition of existing T-hangers and the construction of new replacement T-hangers 1, 2 and 3. The total building size is 38,400 SF.

Assumptions & Justifications:

The project assumes a pre-engineered metal building.

Grant funding available if no other Airport priorities exist or submitted.  
FAA 90%  
State 5%  
Local 5%  
The Local share (Airport) will be contributed each year to build up funds until the total local share requirement is achieved.

Existing buildings were built between 1963 and 1965 and have exceeded their useful life expectancy. Buildings have stone floors, and wood structural members. Doors are non-electric manual open which is problematic and creates a continual maintenance problem.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	87,000	0	0	0	0	0	0	0	87,000
Construction	1,691,000	0	0	31,000	32,000	32,000	33,000	34,000	1,529,000
Total Cost	1,778,000	0	0	31,000	32,000	32,000	33,000	34,000	1,616,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Airport Fund	279,000	0	0	31,000	32,000	32,000	33,000	34,000	117,000
Federal Grant	1,420,000	0	0	0	0	0	0	0	1,420,000
State Grant	79,000	0	0	0	0	0	0	0	79,000
Total Funding	1,778,000	0	0	31,000	32,000	32,000	33,000	34,000	1,616,000



Project Title: Taxiway A and D Rehabilitation

Project Number: 1187

Account Number: RUN016

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project consists of the rehabilitation of Taxiway A between Taxiway G and N; rehabilitation of Taxiway D between Runway 9/27 and Taxiway F; and rehabilitation of Taxiway D between Runway 9/27 and Taxiway A. Existing Taxiway lighting will be replaced with energy efficient LED lighting.

Assumptions & Justifications:

- 90% Federal Aviation Administration funding anticipated
- 5% Maryland Aviation Administration funding anticipated
- 5% Local funding

These areas are regularly used by heavy aircraft and show significant failure including, but not limited to deep rutting and cracking associated with sub grade failure. The objective of this project is to upgrade the pavement sections to accommodate current and future heavy aircraft.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	190,000	190,000	0	0	0	0	0	0	0
Construction	3,447,000	1,210,000	2,237,000	0	0	0	0	0	0
Total Cost	3,637,000	1,400,000	2,237,000	0	0	0	0	0	0

Funding Sources:

General Fund	98,000	70,000	28,000	0	0	0	0	0	0
Capital Reserve - General	84,000	0	84,000	0	0	0	0	0	0
Federal Grant	3,273,000	1,260,000	2,013,000	0	0	0	0	0	0
State Grant	182,000	70,000	112,000	0	0	0	0	0	0
Total Funding	3,637,000	1,400,000	2,237,000	0	0	0	0	0	0

Project Title: Taxiway C and Roadway Loop Rehab

Project Number: 1188

Account Number: RUN017

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project consists of a full-length rehabilitation of Taxiway C. Existing taxiway lighting will be replaced with energy efficient LED lighting. The project will also provide for the rehabilitation of the entrance and exit loop for the passenger terminal.

Assumptions & Justifications:

- 90% Federal Aviation Administration funding anticipated
- 5% Maryland Aviation Administration funding anticipated
- 5% Local funding

Based on a visual inspection of the pavement condition, it is evident that the taxiway shows significant failure including, but not limited to, deep rutting and cracking associated with subgrade failure. The existing roadway has been in place since 1991 and due to traffic over the last 20 years, the roadway is beginning to fail and in several places is in need of full-depth rehabilitation. The remaining areas will be milled, overlaid, and new signs will be installed.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	180,000	0	180,000	0	0	0	0	0	0
Construction	1,843,000	0	0	1,843,000	0	0	0	0	0
Total Cost	2,023,000	0	180,000	1,843,000	0	0	0	0	0

Funding Sources:

General Fund	9,000	0	9,000	0	0	0	0	0	0
Tax Supported Bond	92,000	0	0	92,000	0	0	0	0	0
Federal Grant	1,821,000	0	162,000	1,659,000	0	0	0	0	0
State Grant	101,000	0	9,000	92,000	0	0	0	0	0
Total Funding	2,023,000	0	180,000	1,843,000	0	0	0	0	0

Project Title: Taxiway T Construction

Project Number: 1189

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$400



Description:

The project consists of the construction of a new taxiway to access aviation facilities off of Pennsylvania Avenue.

Assumptions & Justifications:

- 90% Federal Aviation Administration funding anticipated
- 5% Maryland Aviation Administration funding anticipated
- 5% Local funding

As the area North of Nick's Airport Inn develops, there will need to be a taxiway to access the rear of these facilities.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	168,000	0	0	0	0	0	0	168,000	0
Construction	798,000	0	0	0	0	0	0	0	798,000
Total Cost	966,000	0	0	0	0	0	0	168,000	798,000

Funding Sources:

General Fund	9,000	0	0	0	0	0	0	9,000	0
Tax Supported Bond	40,000	0	0	0	0	0	0	0	40,000
Federal Grant	869,000	0	0	0	0	0	0	151,000	718,000
State Grant	48,000	0	0	0	0	0	0	8,000	40,000
Total Funding	966,000	0	0	0	0	0	0	168,000	798,000

Project Title: Runway 9/27 Rehabilitation

Project Number: 1190

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project consists of the rehabilitation of 7,000 SF Runway 9/27.

Assumptions & Justifications:

- 90% Federal Aviation Administration funding anticipated
- 5% Maryland Aviation Administration funding anticipated
- 5% Local funding

The existing runway will be ten-years old and will be in need of sub-surface repairs, milling, overlay, painting and new energy efficient lighting.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	228,000	0	0	0	0	0	0	0	228,000
Construction	2,340,000	0	0	0	0	0	0	0	2,340,000
Total Cost	2,568,000	0	0	0	0	0	0	0	2,568,000

Funding Sources:

General Fund	117,000	0	0	0	0	0	0	0	117,000
Tax Supported Bond	11,000	0	0	0	0	0	0	0	11,000
Federal Grant	2,312,000	0	0	0	0	0	0	0	2,312,000
State Grant	128,000	0	0	0	0	0	0	0	128,000
Total Funding	2,568,000	0	0	0	0	0	0	0	2,568,000

Project Title: Building 18 Partial Roof Replacement

Project Number: 1192

Account Number: BLD080

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will replace a section of metal roofing on Building 18.

Assumptions & Justifications:

County funds will be needed for this project.

The existing roof was installed in 1977 and is showing deterioration and minor leakage in a few areas. This project is proposed to remove the existing roofing and to replace it with new metal roofing.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	4,000	2,000	2,000	0	0	0	0	0	0
Construction	54,500	26,500	28,000	0	0	0	0	0	0
Total Cost	58,500	28,500	30,000	0	0	0	0	0	0

Funding Sources:

Airport Fund	58,500	28,500	30,000	0	0	0	0	0	0
Total Funding	58,500	28,500	30,000	0	0	0	0	0	0

Project Title:      Air Traffic Control Tower Replacement

Project Number:      1193

Account Number:      BLD085

Projected Annual FTE's:      0

Projected Operating Costs:      \$0



Description:

The project consists of the replacement of the existing air traffic control tower.

Assumptions & Justifications:

Local funds will be built up to replace the air traffic control tower in 2020.

The existing air traffic control tower was constructed at HGR in 1974. At that time, it was a used tower that was disassembled and delivered to HGR. The tower proves to be inadequate to serve the present and future needs of HGR and needs to be replaced.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	260,000	0	171,000	17,000	0	33,000	0	39,000	0
Total Cost	260,000	0	171,000	17,000	0	33,000	0	39,000	0

Funding Sources:

General Fund	39,000	0	0	0	0	0	0	39,000	0
Tax Supported Bond	50,000	0	0	17,000	0	33,000	0	0	0
Capital Reserve - General	171,000	0	171,000	0	0	0	0	0	0
Total Funding	260,000	0	171,000	17,000	0	33,000	0	39,000	0

Project Title: Passenger Terminal Hold Room Expansion

Project Number: 1237

Account Number: BLD082

Projected Annual FTE's: 0

Projected Operating Costs: \$2,000



Description:

The project involves an Airport Passenger Terminal Hold Room expansion to increase passenger capacity.

Assumptions & Justifications:

- Pending Federal Aviation Administration (FAA) funding:
- 90% FAA share
- 5% State share
- 5% Local share

The current security hold room is configured to accommodate up to 100 passengers. We currently host service from Allegiant using MD-83 aircraft configured to accommodate 166 passengers and in the near future, they anticipate flights utilizing and Airbus 320 configured with 177 seats. It is our desire to add on to the existing hold room and increase the capacity to plan for current and future needs.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	202,000	0	202,000	0	0	0	0	0	0
Construction	1,798,000	0	0	0	1,798,000	0	0	0	0
Total Cost	2,000,000	0	202,000	0	1,798,000	0	0	0	0

Funding Sources:

General Fund	100,000	0	10,000	0	90,000	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Federal Grant	1,800,000	0	182,000	0	1,618,000	0	0	0	0
State Grant	100,000	0	10,000	0	90,000	0	0	0	0
Total Funding	2,000,000	0	202,000	0	1,798,000	0	0	0	0

Project Title:      Airport Security System Enhancements

Project Number:      1238

Account Number:      COM026

Projected Annual FTE's:      0

Projected Operating Costs:      \$0



Description:

Existing Closed Circuit Television (CCTV) Cameras will be replaced with high-quality digital cameras and integrated into the Airport Virtual Perimeter Monitoring System.

Assumptions & Justifications:

Maryland Aviation Administration Funding is anticipated  
75% MAA share  
25% Local share

The antiquated CCTV cameras in the terminal and parking lot are non-operational. It is imperative that we have a working security system in the terminal around the Airport.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	77,000	0	77,000	0	0	0	0	0	0
Equipment/Furniture	77,000	0	77,000	0	0	0	0	0	0
Total Cost	154,000	0	154,000	0	0	0	0	0	0

Funding Sources:

General Fund	38,000	0	38,000	0	0	0	0	0	0
State Grant	116,000	0	116,000	0	0	0	0	0	0
Total Funding	154,000	0	154,000	0	0	0	0	0	0



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**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
	<b>Project Costs</b>									
	<b><u>Bridges</u></b>									
57	Hopewell Road Culvert 02/01	297,100	5,100	0	292,000	0	0	0	0	0
58	Bridge Inspection & Inventory	538,100	192,100	0	156,000	0	22,000	0	168,000	0
59	Dogstreet Road Bridge W5932P	1,055,400	166,400	0	0	889,000	0	0	0	0
60	Spur Road Culvert 07/16	291,000	0	46,000	245,000	0	0	0	0	0
61	Leiters Mill Road Bridge W2292	1,212,400	1,202,400	10,000	0	0	0	0	0	0
62	Old Roxbury Road Bridge W5372	4,133,077	900,077	0	26,000	3,207,000	0	0	0	0
63	Poffenberger Road Bridge W4011	737,900	685,900	0	52,000	0	0	0	0	0
64	Poffenberger Road Bridge W4012	1,409,000	1,305,000	0	104,000	0	0	0	0	0
65	Hopewell Road Culvert 02/02	232,100	10,100	0	222,000	0	0	0	0	0
66	Mousetown Road Culvert 06/02	251,300	16,300	235,000	0	0	0	0	0	0
67	Keedysville Road Bridge W5651	1,427,600	257,600	0	1,170,000	0	0	0	0	0
68	Crystal Falls Drive Bridge W3051	1,346,500	405,500	0	941,000	0	0	0	0	0
69	Wright Road Culvert 02/06	184,000	2,000	0	182,000	0	0	0	0	0
70	Sprecher Road Bridge W5661	246,000	0	246,000	0	0	0	0	0	0
71	Sprecher Road Bridge W5662	256,000	0	256,000	0	0	0	0	0	0
72	Rinehart Road Culvert 14/03	323,000	0	0	0	6,000	317,000	0	0	0
73	Kretsinger Road Culvert 14/01	301,000	0	0	0	0	301,000	0	0	0
74	Frog Eye Road Culvert 11/06	558,000	0	0	0	0	558,000	0	0	0
75	Cleaning and Painting of Steel Bridges	424,000	0	0	0	424,000	0	0	0	0
76	Wright Road Culvert 02/05	228,000	0	5,000	223,000	0	0	0	0	0
77	Keefer Road Bridge 15/20	183,000	0	0	0	0	183,000	0	0	0
78	Burnside Bridge Road Culvert 01/03	292,000	0	0	0	0	292,000	0	0	0
79	Greenspring Furnace Road Culvert 15/15	381,000	0	0	0	0	0	381,000	0	0
80	Harpers Ferry Road Culvert 11/02	521,000	0	0	0	0	0	521,000	0	0
81	Back Road Culvert 11/03	278,000	0	0	0	0	0	278,000	0	0
82	Long Hollow Road Culvert 05/07	281,000	0	0	0	0	0	0	281,000	0
83	Hoffman's Inn Road Culvert 05/06	289,000	0	0	0	0	0	0	289,000	0
84	Henline Road Culvert 05/05	423,000	0	0	0	0	0	0	423,000	0
85	Bridge Scour Repairs	208,000	0	0	208,000	0	0	0	0	0
86	Bowie Road Culvert	274,000	0	0	0	0	0	0	13,000	261,000
87	Remsburg Road Culvert	280,000	0	0	0	0	0	0	13,000	267,000
88	Lanes Road Culvert 15/12	280,000	0	0	0	0	0	0	0	280,000
89	Greenbrier Road Culvert 16/14	309,000	0	0	0	0	0	0	0	309,000
90	Taylors Landing Road Bridge W7101	1,150,000	0	0	0	0	0	0	0	1,150,000
91	Moorestville Road Culvert 15/21	333,000	0	0	0	0	0	0	0	333,000
92	Draper Road Culvert 04/07	390,000	0	0	0	0	0	0	0	390,000
93	Draper Road Culvert 04/08	354,000	0	0	0	0	0	0	0	354,000
94	Welty Church Road Culvert 14/06	313,000	0	0	0	0	0	0	0	313,000
95	Willow Road Culvert 05/10	296,000	0	0	0	0	0	0	0	296,000
96	Broadfording Road Culvert 04/03	425,000	0	0	0	0	0	0	0	425,000
97	Gruber Road Bridge 04/10	279,000	0	0	0	0	0	0	0	279,000
98	Ashton Road Culvert 04/06	392,000	0	0	0	0	0	0	0	392,000
99	Yarrowsburg Road Bridge W6191	160,000	0	0	0	0	0	0	0	160,000
	<b>Bridges Total</b>	<b>23,542,477</b>	<b>5,148,477</b>	<b>798,000</b>	<b>3,821,000</b>	<b>4,526,000</b>	<b>1,673,000</b>	<b>1,180,000</b>	<b>1,187,000</b>	<b>5,209,000</b>

Washington County, Maryland  
Capital Improvement 10yr Summary  
Fiscal Year 2015 - 2024

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Funding Sources										
	General Fund	1,874,277	878,277	61,000	156,000	0	22,000	0	194,000	563,000
	Tax Supported Bond	14,317,300	1,110,300	737,000	2,018,000	1,982,000	1,651,000	1,180,000	993,000	4,646,000
	Federal Grant	7,350,900	3,159,900	0	1,647,000	2,544,000	0	0	0	0
		23,542,477	5,148,477	798,000	3,821,000	4,526,000	1,673,000	1,180,000	1,187,000	5,209,000

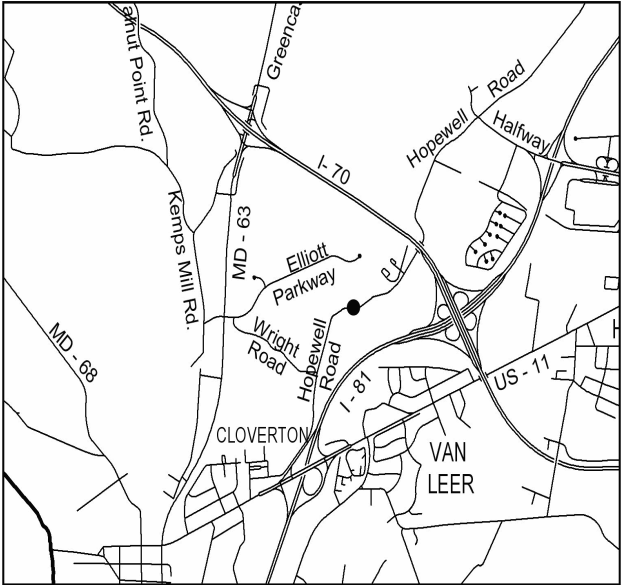
Project Title: Hopewell Road Culvert 02/01

Project Number: 35

Account Number: DNG037

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This culvert is located in the 11100 block of Hopewell Road (ADC Map 20, Grid C-9). The project will replace a corrugated metal pipe arch with a precast concrete box culvert. Traffic barrier upgrades will be added as well to improve safety.

Assumptions & Justifications:

The project will be done in conjunction with Wright Road culvert 02/06. This project may also be done in conjunction with Hopewell Road culvert 02/01 and Wright Road culvert 02/05 provided those projects are done in advance by a developer as a result of their APFO contribution.

Even though recent maintenance work has been performed, this replacement is needed as the structure is nearing the end of its useful life. Due to the type of structure, no practical long term repair options exist.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	241,000	0	0	241,000	0	0	0	0	0
Inspection	30,000	0	0	30,000	0	0	0	0	0
Utilities	21,000	0	0	21,000	0	0	0	0	0
Total Cost	297,100	5,100	0	292,000	0	0	0	0	0

Funding Sources:

General Fund	5,100	5,100	0	0	0	0	0	0	0
Tax Supported Bond	292,000	0	0	292,000	0	0	0	0	0
Total Funding	297,100	5,100	0	292,000	0	0	0	0	0

Project Title: Bridge Inspection & Inventory

Project Number: 40

Account Number: BRG002

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project provides an ongoing bridge inspection program for both major (bridges greater than 20 feet in length) and minor (bridges greater than 6 but less than 20 feet in length) structures. Federal regulations govern the major structures inspection program.

Assumptions & Justifications:

Federal aid bridge funds cover all of the costs for the major bridges. They are not shown herein since they are paid directly by the State Highway Administration to the consultant, and do not pass through the County's records. Only local funds required are shown below. Minor structures are fully locally funded as they are not eligible for any federal aid money.

Various portions of this project are required by State and Federal regulations, while other portions are done as needed to assure public safety and to minimize maintenance costs. This project supports the infrastructure needs of the County under its bridge infrastructure program.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	538,100	192,100	0	156,000	0	22,000	0	168,000	0
Total Cost	538,100	192,100	0	156,000	0	22,000	0	168,000	0

Funding Sources:

General Fund	538,100	192,100	0	156,000	0	22,000	0	168,000	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Total Funding	538,100	192,100	0	156,000	0	22,000	0	168,000	0

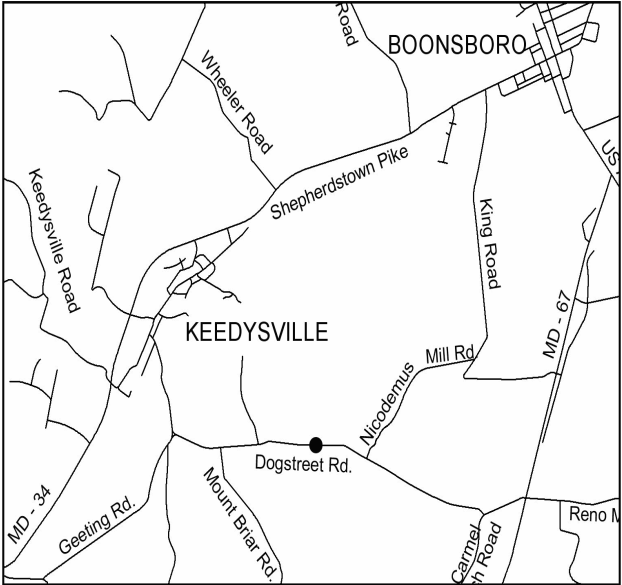
Project Title: Dogstreet Road Bridge W5932P

Project Number: 48

Account Number: BRG049

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 19700 block of Dogstreet Road (ADC Map 31, Grid K-9). The existing multiple corrugated metal pipe structure regularly clogs due to a heavy debris load in the creek resulting in road overtopping and subsequent damage to the road surface and the adjacent property. The project will replace the existing structure with a single span bridge. The Bridge Sufficiency Rating is 78.6 out of a maximum possible score of 100.

Assumptions & Justifications:

The bridge size will be heavily influenced by MDE requirements and at this time, details are unknown and may vary considerably from the assumptions used for this budget. A precast concrete arch is the basis for the cost estimate.

The project is needed to provide cost effective road maintenance in this area. The frequency of flooding and clogging impacts the delivery of public safety services in that area of the county.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	135,000	135,000	0	0	0	0	0	0	0
Land Acquisition	31,400	31,400	0	0	0	0	0	0	0
Construction	792,000	0	0	0	792,000	0	0	0	0
Inspection	91,000	0	0	0	91,000	0	0	0	0
Utilities	6,000	0	0	0	6,000	0	0	0	0
Total Cost	1,055,400	166,400	0	0	889,000	0	0	0	0

Funding Sources:

General Fund	166,400	166,400	0	0	0	0	0	0	0
Tax Supported Bond	889,000	0	0	0	889,000	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Total Funding	1,055,400	166,400	0	0	889,000	0	0	0	0

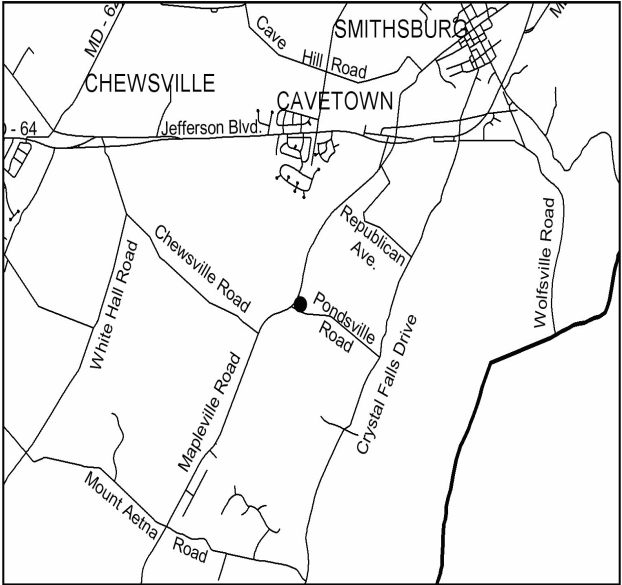
Project Title: Spur Road Culvert 07/16

Project Number: 50

Account Number: BRG055

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will replace the existing concrete slab structure with a precast concrete box culvert. The project will also include traffic barrier upgrades.

Assumptions & Justifications:

Consideration will be given to abandoning this portion of the road thereby eliminating the need for the structure replacement. There are sight distance issues, therefore this budget assumes a structure replacement project.

The project is needed to replace a structure that is near the end of its useful life. Due to the structure type and size, no practical long term repair options exist.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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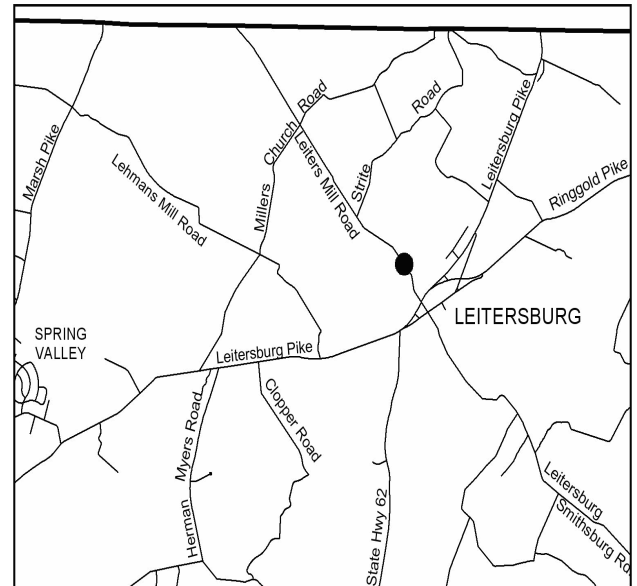
Project Costs:

Land Acquisition	15,000	0	15,000	0	0	0	0	0	0
Construction	208,000	0	0	208,000	0	0	0	0	0
Inspection	37,000	0	0	37,000	0	0	0	0	0
Utilities	31,000	0	31,000	0	0	0	0	0	0
Total Cost	291,000	0	46,000	245,000	0	0	0	0	0

Funding Sources:

General Fund	46,000	0	46,000	0	0	0	0	0	0
Tax Supported Bond	245,000	0	0	245,000	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Total Funding	291,000	0	46,000	245,000	0	0	0	0	0

**Projected Operating Costs:           \$0**



The project is needed to maintain the bridge in a serviceable condition and to protect historical considerations.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Engineering/Design	251,900	251,900	0	0	0	0	0	0	0
Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	868,500	858,500	10,000	0	0	0	0	0	0
Inspection	86,900	86,900	0	0	0	0	0	0	0
<b>Total Cost</b>	<b>1,212,400</b>	<b>1,202,400</b>	<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

General Fund	48,700	38,700	10,000	0	0	0	0	0	0
Tax Supported Bond	199,200	199,200	0	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Federal Grant	964,500	964,500	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
<b>Total Funding</b>	<b>1,212,400</b>	<b>1,202,400</b>	<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



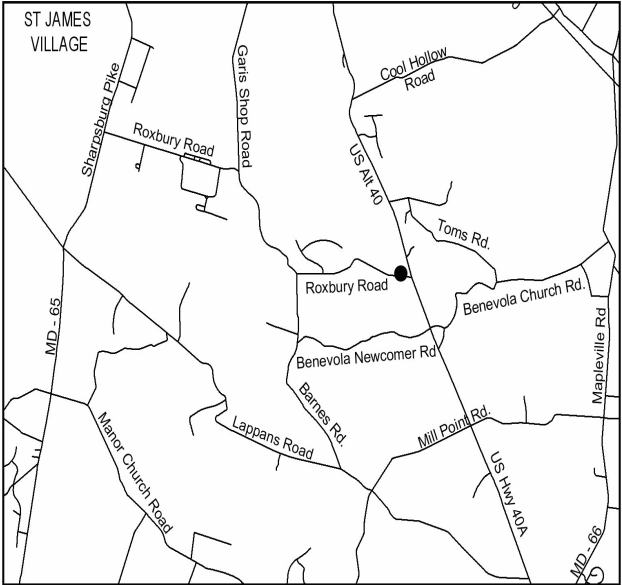
Project Title: Old Roxbury Road Bridge W5372

Project Number: 56

Account Number: BRG020

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project involves the replacement of an existing one lane, two span bridge with a two lane multiple span bridge. The existing bridge has flooding issues and is structurally deficient and functionally obsolete. The Bridge Sufficiency Rating is 13.6 out of a maximum possible score of 100.

Assumptions & Justifications:

The project is proposed as a Federal Aid project with 80/20 cost share for construction.

The project is needed to replace a structure that has exceeded its useful life and to improve safety. Due to the structure type, no practical long term repair options exist.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	137,177	137,177	0	0	0	0	0	0	0
Land Acquisition	281,000	255,000	0	26,000	0	0	0	0	0
Construction	3,663,700	483,700	0	0	3,180,000	0	0	0	0
Inspection	51,200	24,200	0	0	27,000	0	0	0	0
Total Cost	4,133,077	900,077	0	26,000	3,207,000	0	0	0	0

Funding Sources:

General Fund	126,977	126,977	0	0	0	0	0	0	0
Tax Supported Bond	1,462,100	773,100	0	26,000	663,000	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Federal Grant	2,544,000	0	0	0	2,544,000	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Total Funding	4,133,077	900,077	0	26,000	3,207,000	0	0	0	0

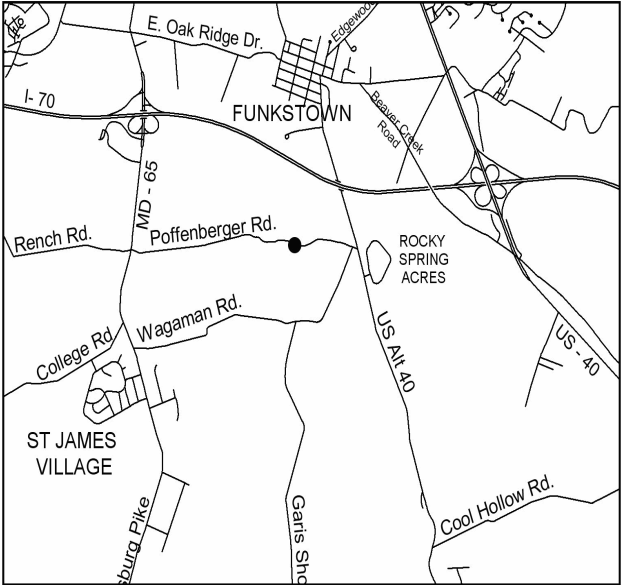
Project Title: Poffenberger Road Bridge W4011

Project Number: 57

Account Number: BRG065

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 19000 block of Poffenberger Road (ADC Map 26, Grid F-1). The project will rehabilitate a single span stone arch structure. The structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, and repointing. The Bridge Sufficiency Rating is 41.0 out of a maximum possible score of 100.

Assumptions & Justifications:

The project is proposed as a Federal Aid project with 80/20 cost share, pending grant funding approval. It is assumed that this project will be designed and constructed together with Poffenberger Road bridge W4012.

The project is needed to maintain the bridge in a serviceable condition and to protect historical considerations.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	151,500	151,500	0	0	0	0	0	0	0
Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	522,700	470,700	0	52,000	0	0	0	0	0
Inspection	58,600	58,600	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Total Cost	737,900	685,900	0	52,000	0	0	0	0	0

Funding Sources:

General Fund	99,200	99,200	0	0	0	0	0	0	0
Tax Supported Bond	52,000	0	0	52,000	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Federal Grant	586,700	586,700	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
Total Funding	737,900	685,900	0	52,000	0	0	0	0	0

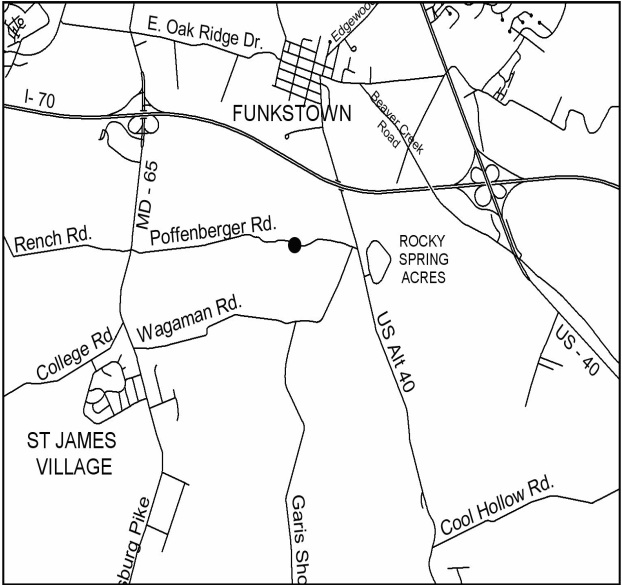
Project Title: Poffenberger Road Bridge W4012

Project Number: 58

Account Number: BRG066

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is in the 19000 block of Poffenberger Road (ADC Map 26, Grid F-1). The project will rehabilitate a three span stone arch structure. The structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, and repointing. The bridge Sufficiency Rating is 41.0 out of a maximum possible score of 100.

Assumptions & Justifications:

The project is proposed as a Federal Aid project with 80/20 cost share, pending grant funding approval. It is assumed that this project will be designed and constructed together with Poffenberger Road bridge W4011.

The project is needed to maintain the bridge in a serviceable condition and to protect historical considerations.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	202,000	202,000	0	0	0	0	0	0	0
Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	1,114,000	1,010,000	0	104,000	0	0	0	0	0
Inspection	87,900	87,900	0	0	0	0	0	0	0
Total Cost	1,409,000	1,305,000	0	104,000	0	0	0	0	0

Funding Sources:

General Fund	43,100	43,100	0	0	0	0	0	0	0
Tax Supported Bond	242,000	138,000	0	104,000	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Federal Grant	1,123,900	1,123,900	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
Total Funding	1,409,000	1,305,000	0	104,000	0	0	0	0	0

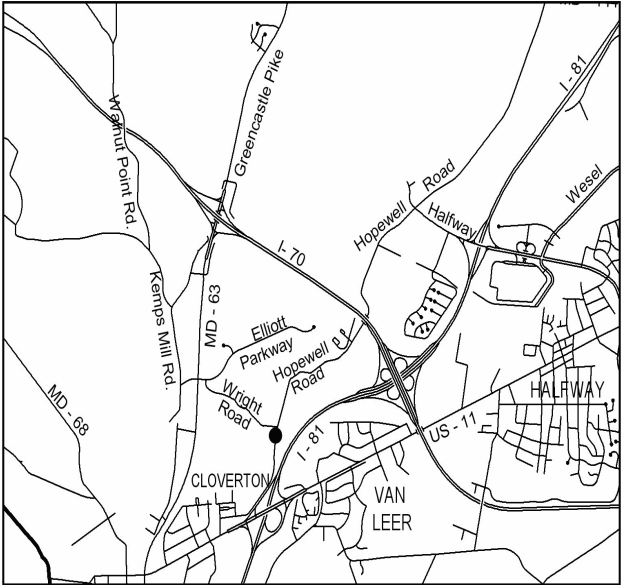
Project Title: Hopewell Road Culvert 02/02

Project Number: 61

Account Number: DNG040

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 10900 block of Hopewell Road at Wright Road (ADC Map 20, Grid B-10). The project will replace a single lane concrete structure with a two lane precast concrete box culvert and will realign road. An upgraded traffic barrier will be added as well to improve safety.

Assumptions & Justifications:

The project will be done in conjunction with Hopewell Road culvert 02/01 and Wright Road culverts 02/05, 02/06 provided the project is not completed in advance by a developer as a result of their APFO contribution.

The current structure has had temporary repairs made, but the long term condition must still be addressed as the structure is nearing the end of its useful life. Due to the structure type, no practical long term repair option exists. Due to ongoing development in this area, a single lane structure is adverse to public safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	10,100	10,100	0	0	0	0	0	0	0
Construction	182,000	0	0	182,000	0	0	0	0	0
Inspection	40,000	0	0	40,000	0	0	0	0	0
Total Cost	232,100	10,100	0	222,000	0	0	0	0	0

Funding Sources:

General Fund	10,100	10,100	0	0	0	0	0	0	0
Tax Supported Bond	222,000	0	0	222,000	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Total Funding	232,100	10,100	0	222,000	0	0	0	0	0

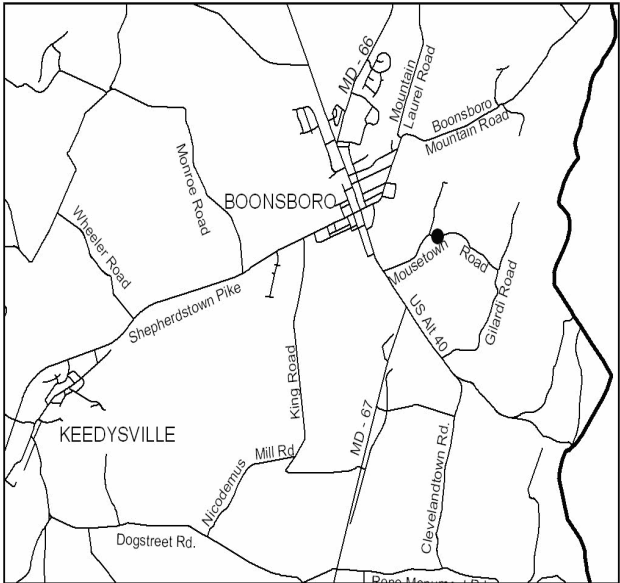
Project Title: Mousetown Road Culvert 06/02

Project Number: 1017

Account Number: BRG073

Projected Annual FTE's: 0

Projected Operating Costs: \$0



**Description:**

The culvert is located in the 20900 block of Mousetown Road (ADC Map 32, Grid F-4). The project will replace the existing structural metal pipe arch with a concrete box culvert and will install the appropriate traffic barriers.

**Assumptions & Justifications:**

The project is to be done in conjunction with Newcomer Road bridge 14/02 and Catholic Church Road bridge 15/02.

The project is needed to replace a structure that is nearing the end of its useful life and to provide improved safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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**Project Costs:**

Land Acquisition	10,200	10,200	0	0	0	0	0	0	0
Construction	204,000	0	204,000	0	0	0	0	0	0
Inspection	31,000	0	31,000	0	0	0	0	0	0
Utilities	6,100	6,100	0	0	0	0	0	0	0
Total Cost	251,300	16,300	235,000	0	0	0	0	0	0

**Funding Sources:**

General Fund	16,300	16,300	0	0	0	0	0	0	0
Tax Supported Bond	235,000	0	235,000	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	251,300	16,300	235,000	0	0	0	0	0	0

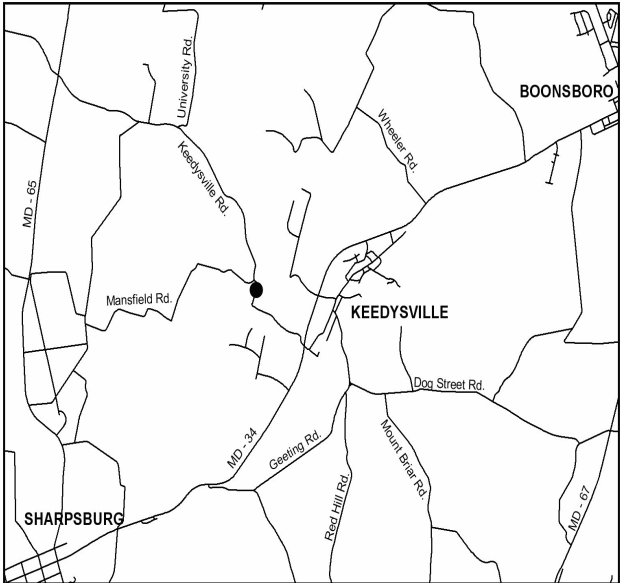
Project Title: Keedysville Road Bridge W5651

Project Number: 1018

Account Number: BRG072

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This bridge is located in the 18900 block of Keedysville Road, one half mile west of Keedysville (ADC Map 31, E-7). The project will rehabilitate a stone arch structure. The structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, stone masonry reconstruction, and repointing. The Bridge Sufficiency Rating is 50.8 out of a maximum possible score of 100.

Assumptions & Justifications:

The project is proposed as a Federal Aid project with 80/20 cost share for construction.

The project is needed to maintain a serviceable condition and to protect historical considerations.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	252,500	252,500	0	0	0	0	0	0	0
Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	1,144,000	0	0	1,144,000	0	0	0	0	0
Inspection	26,000	0	0	26,000	0	0	0	0	0
Total Cost	1,427,600	257,600	0	1,170,000	0	0	0	0	0

Funding Sources:

General Fund	55,600	55,600	0	0	0	0	0	0	0
Tax Supported Bond	255,000	0	0	255,000	0	0	0	0	0
Federal Grant	1,117,000	202,000	0	915,000	0	0	0	0	0
Total Funding	1,427,600	257,600	0	1,170,000	0	0	0	0	0

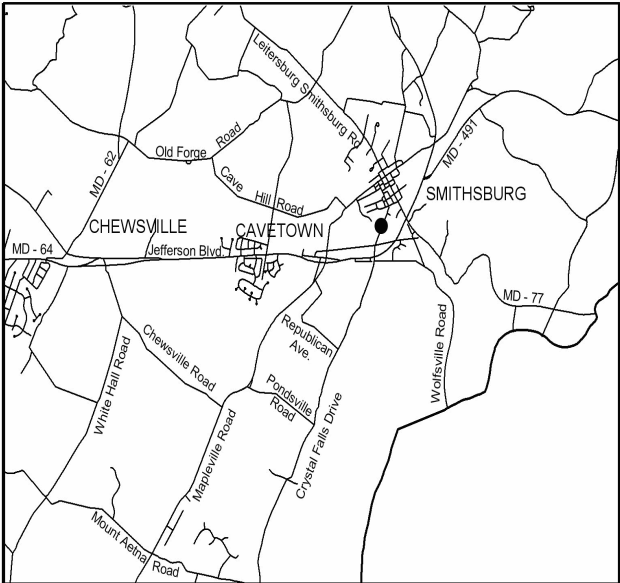
Project Title: Crystal Falls Drive Bridge W3051

Project Number: 1019

Account Number: BRG030

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located just outside Smithsburg town limits on Crystal Falls Drive (ADC Map 23, F-4). The project serves to replace a two span concrete bridge with a new single span concrete bridge and to make traffic barrier approach road improvements. The Bridge Sufficiency Rating is 42.5 out of a maximum possible score of 100.

Assumptions & Justifications:

The project is proposed as a Federal Aid project with 80/20 cost share for construction.

The project is needed to replace a structure that is nearing the end of its useful life and to improve safety. Due to the structure type, no practical long term repair options exist.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	353,500	353,500	0	0	0	0	0	0	0
Land Acquisition	10,200	10,200	0	0	0	0	0	0	0
Construction	915,000	0	0	915,000	0	0	0	0	0
Inspection	26,000	0	0	26,000	0	0	0	0	0
Utilities	41,800	41,800	0	0	0	0	0	0	0
Total Cost	1,346,500	405,500	0	941,000	0	0	0	0	0

Funding Sources:

General Fund	122,700	122,700	0	0	0	0	0	0	0
Tax Supported Bond	209,000	0	0	209,000	0	0	0	0	0
Federal Grant	1,014,800	282,800	0	732,000	0	0	0	0	0
Total Funding	1,346,500	405,500	0	941,000	0	0	0	0	0

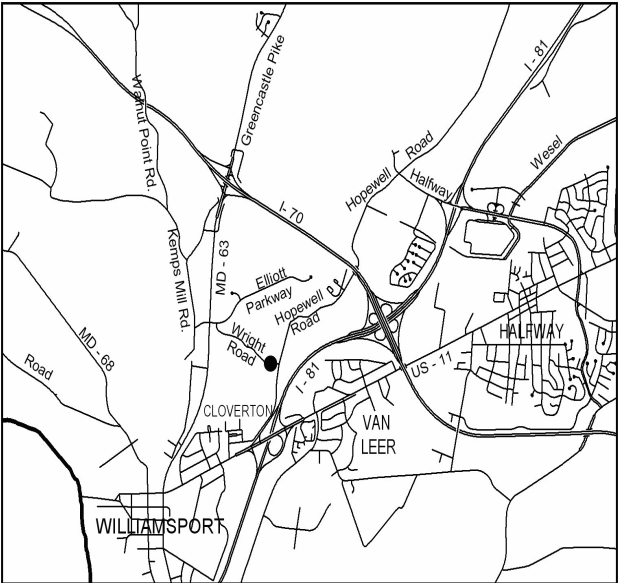
Project Title: Wright Road Culvert 02/06

Project Number: 1022

Account Number: DNG038

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located on Wright Road (ADC Map 20, Grip B-20). The project will replace the concrete culvert with concrete pipes and headwalls. The project will also install an appropriate traffic barrier.

Assumptions & Justifications:

This project is to be done in conjunction with Hopewell Road culvert 02/01. This project may also be done in conjunction with Hopewell Road culvert 02/02 and Wright Road culvert 02/05 unless those projects are done in advance by a developer as a result of their APFO requirements.

The project is needed to replace a structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	2,000	2,000	0	0	0	0	0	0	0
Construction	182,000	0	0	182,000	0	0	0	0	0
Total Cost	184,000	2,000	0	182,000	0	0	0	0	0

Funding Sources:

General Fund	2,000	2,000	0	0	0	0	0	0	0
Tax Supported Bond	182,000	0	0	182,000	0	0	0	0	0
Total Funding	184,000	2,000	0	182,000	0	0	0	0	0



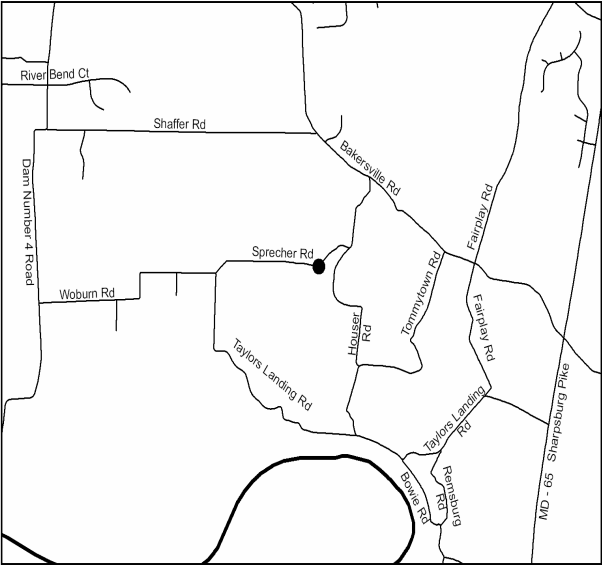
Project Title: Sprecher Road Bridge W5661

Project Number: 1036

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project is located on the 16900 block of Sprecher Road (ADC Map 30, F-2). The project will replace the single lane steel stringer/timber deck with a single lane concrete slab bridge. The Bridge Sufficiency Rating is 79.9 out of a maximum possible score of 100.

Assumptions & Justifications:

The project will be done in conjunction with Sprecher Road bridge W5662.

The project is needed to extend the useful life of this structure in a cost effective manner and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	2,000	0	2,000	0	0	0	0	0	0
Construction	214,000	0	214,000	0	0	0	0	0	0
Inspection	30,000	0	30,000	0	0	0	0	0	0
Total Cost	246,000	0	246,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	246,000	0	246,000	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	246,000	0	246,000	0	0	0	0	0	0

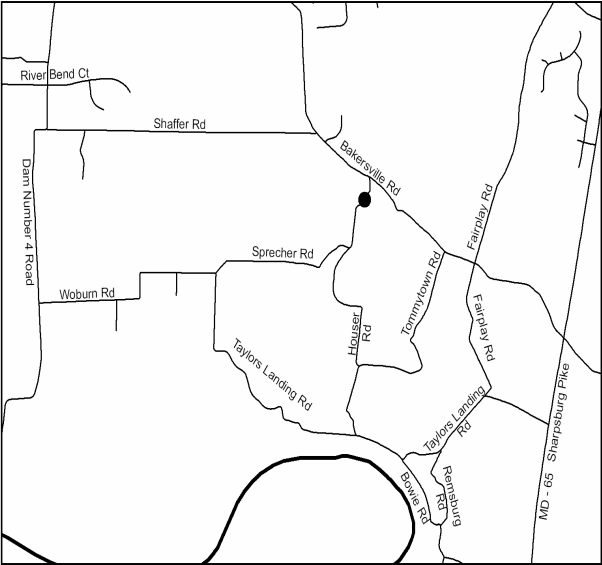
Project Title: Sprecher Road Bridge W5662

Project Number: 1037

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located on the 17100 block of Sprecher Road (ADC Map 30, G-1). The project will replace the single lane steel stringer/timber deck with a single lane concrete slab bridge. The Bridge Sufficiency Rating is 31.0 out of a maximum possible score of 100.

Assumptions & Justifications:

The project will be done in conjunction with Sprecher Road bridge W5661.

The project is needed to extend the useful life of this structure in a cost effective manner and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	2,000	0	2,000	0	0	0	0	0	0
Construction	224,000	0	224,000	0	0	0	0	0	0
Inspection	30,000	0	30,000	0	0	0	0	0	0
Total Cost	256,000	0	256,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	256,000	0	256,000	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	256,000	0	256,000	0	0	0	0	0	0

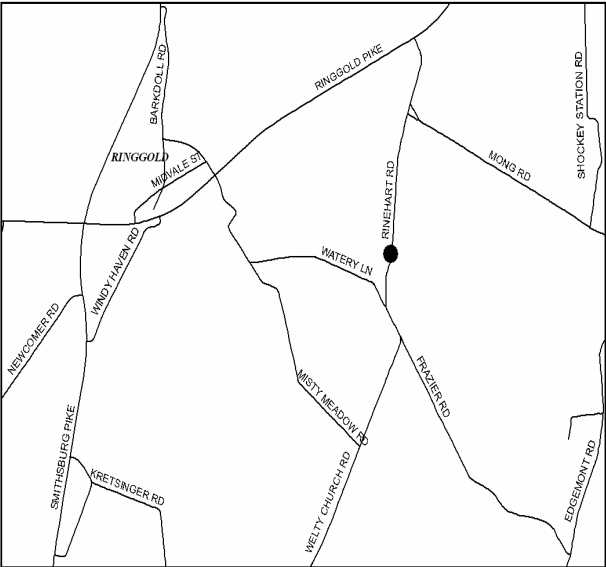
Project Title: Rinehart Road Culvert 14/03

Project Number: 1039

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 14300 block of Rinehart Road (ADC Map 12, Grid J-6). The project will replace the concrete slab bridge with a two cell concrete box culvert and headwalls. The project will install an appropriate traffic barrier.

Assumptions & Justifications:

The project is to be completed with Kretsinger Road culvert 14/01.

The project is needed to replace a structure that is near the end of its useful life and will improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	5,000	0	0	0	0	5,000	0	0	0
Construction	275,000	0	0	0	0	275,000	0	0	0
Inspection	31,000	0	0	0	0	31,000	0	0	0
Utilities	12,000	0	0	0	6,000	6,000	0	0	0
Total Cost	323,000	0	0	0	6,000	317,000	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	323,000	0	0	0	6,000	317,000	0	0	0
Total Funding	323,000	0	0	0	6,000	317,000	0	0	0

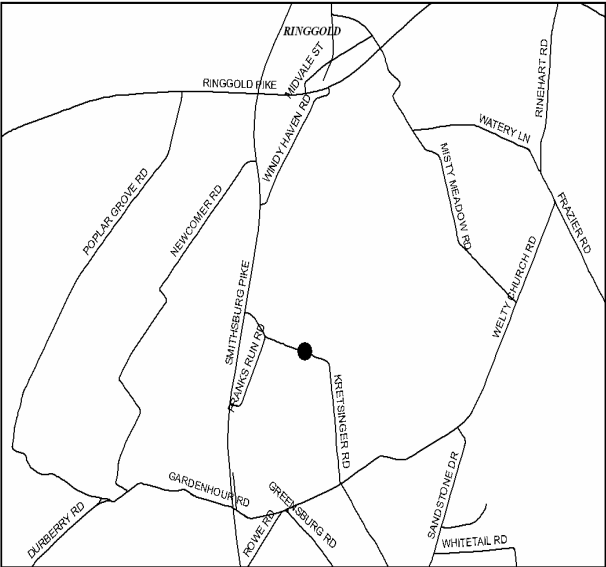
Project Title: Kretsinger Road Culvert 14/01

Project Number: 1040

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 13600 block of Kretsinger Road (ADC Map 12, Grid G-8). The project will replace the concrete slab bridge with a two cell concrete box culvert and headwalls. The project will install an appropriate traffic barrier.

Assumptions & Justifications:

The project is to be done in conjunction with Rinehart Road culvert 14/03.

The project is needed to replace a structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	5,000	0	0	0	0	5,000	0	0	0
Construction	259,000	0	0	0	0	259,000	0	0	0
Inspection	31,000	0	0	0	0	31,000	0	0	0
Utilities	6,000	0	0	0	0	6,000	0	0	0
Total Cost	301,000	0	0	0	0	301,000	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	301,000	0	0	0	0	301,000	0	0	0
Total Funding	301,000	0	0	0	0	301,000	0	0	0

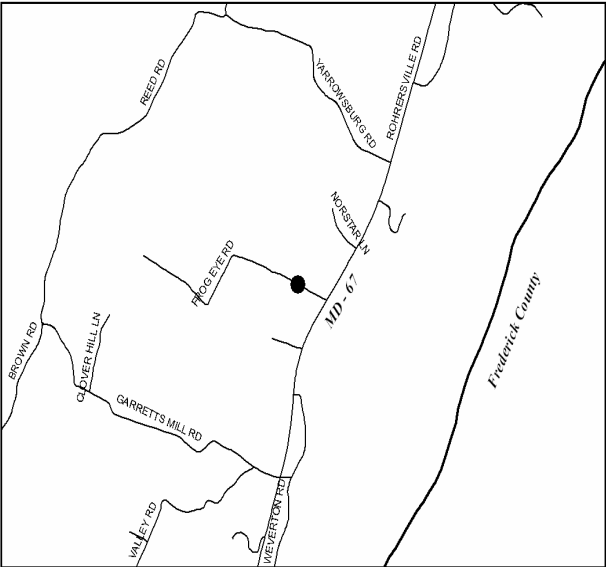
Project Title: Frog Eye Road Culvert 11/06

Project Number: 1041

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 19800 block of Frog Eye Road (ADC Map 37, Grid D-4). The project will replace a single lane steel stringer/open steel grid deck with a two cell box culvert with headwalls. The project will include realignment of the road, use of existing bridge for access during construction, and the installation of an appropriate traffic barrier.

Assumptions & Justifications:

The project assumes realignment of the existing roadway and use of the existing bridge during construction.

The project is needed to replace a structure that is near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	14,000	0	0	0	0	14,000	0	0	0
Construction	486,000	0	0	0	0	486,000	0	0	0
Inspection	52,000	0	0	0	0	52,000	0	0	0
Utilities	6,000	0	0	0	0	6,000	0	0	0
Total Cost	558,000	0	0	0	0	558,000	0	0	0

Funding Sources:

Tax Supported Bond	558,000	0	0	0	0	558,000	0	0	0
Total Funding	558,000	0	0	0	0	558,000	0	0	0

Project Title:       Cleaning and Painting of Steel Bridges

Project Number:       1042

Account Number:

Projected Annual FTE's:       0

Projected Operating Costs:       \$0

Description:

The project consists of cleaning and painting various steel beam bridges throughout the county.

Assumptions & Justifications:

The project is essential to maintain and extend the useful life of the structure.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	382,000	0	0	0	382,000	0	0	0	0
Inspection	42,000	0	0	0	42,000	0	0	0	0
Total Cost	424,000	0	0	0	424,000	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	424,000	0	0	0	424,000	0	0	0	0
Total Funding	424,000	0	0	0	424,000	0	0	0	0

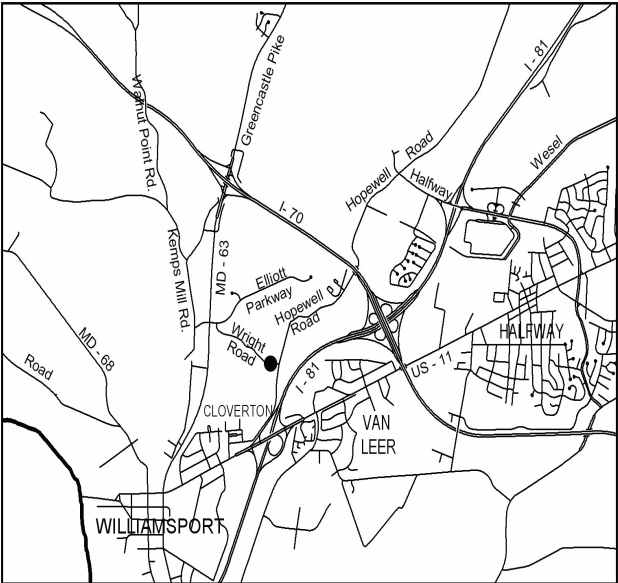
Project Title: Wright Road Culvert 02/05

Project Number: 1043

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located on Wright Road (ADC Map 20, Grid B-10). The project will replace the concrete slab bridge with a concrete box culvert and headwalls. The project will also install an appropriate traffic barrier.

Assumptions & Justifications:

The project is to be done in conjunction with Hopewell Road culvert 02/01, 02/02, and Wright Road culvert 02/06 provided the project is not completed by a developer as a result of their APFO contribution. A developer project may realign the road and include removing this structure as part of their new development. Full project costs are shown for a culvert replacement in case the development and proposed road realignment does not proceed.

The project is needed to replace a structure that is near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	5,000	0	5,000	0	0	0	0	0	0
Construction	187,000	0	0	187,000	0	0	0	0	0
Inspection	30,000	0	0	30,000	0	0	0	0	0
Utilities	6,000	0	0	6,000	0	0	0	0	0
Total Cost	228,000	0	5,000	223,000	0	0	0	0	0

Funding Sources:

General Fund	5,000	0	5,000	0	0	0	0	0	0
Tax Supported Bond	223,000	0	0	223,000	0	0	0	0	0
Total Funding	228,000	0	5,000	223,000	0	0	0	0	0

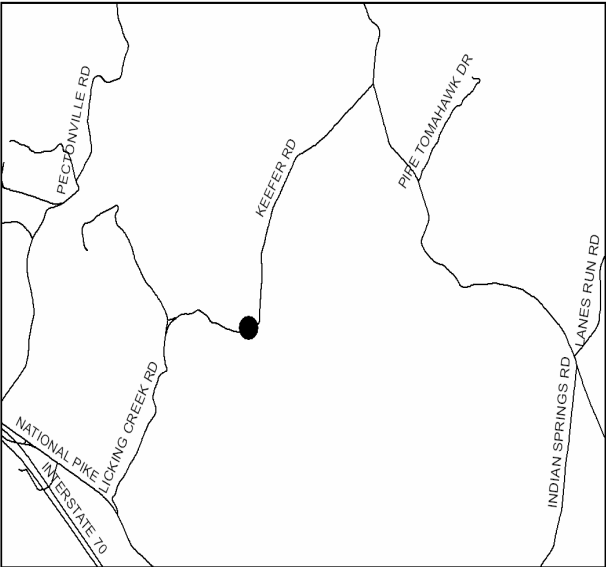
Project Title: Keefer Road Bridge 15/20

Project Number: 1045

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 12800 block of Keefer Road (ADC Map 16, Grid J-1). The project will replace a steel stringer/timber deck with a single lane concrete slab bridge and install an appropriate traffic barrier.

Assumptions & Justifications:

The project is to be done in conjunction with Mt. Tabor Road Bridge 13/03.

The project is needed to extend the useful life of this structure in a cost effective manner and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	2,000	0	0	0	0	2,000	0	0	0
Construction	157,000	0	0	0	0	157,000	0	0	0
Inspection	24,000	0	0	0	0	24,000	0	0	0
Total Cost	183,000	0	0	0	0	183,000	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	183,000	0	0	0	0	183,000	0	0	0
Total Funding	183,000	0	0	0	0	183,000	0	0	0



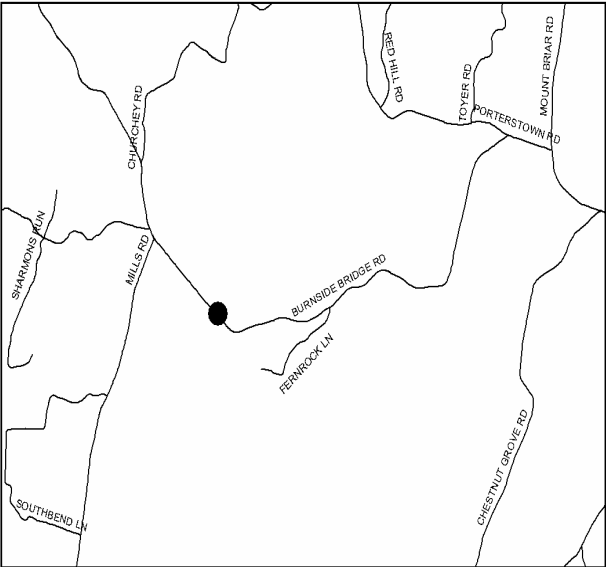
Project Title: Burnside Bridge Road Culvert 01/03

Project Number: 1046

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 18900 block of Burnside Bridge Road (ADC Map 34, Grid E-4). The project will replace the concrete slab with a precast concrete box culvert and headwalls.

Assumptions & Justifications:

The project is needed to replace a structure that is near the end of its useful life and to improve safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	5,000	0	0	0	0	5,000	0	0	0
Construction	254,000	0	0	0	0	254,000	0	0	0
Inspection	31,000	0	0	0	0	31,000	0	0	0
Utilities	2,000	0	0	0	0	2,000	0	0	0
Total Cost	292,000	0	0	0	0	292,000	0	0	0

Funding Sources:

Tax Supported Bond	292,000	0	0	0	0	292,000	0	0	0
Total Funding	292,000	0	0	0	0	292,000	0	0	0

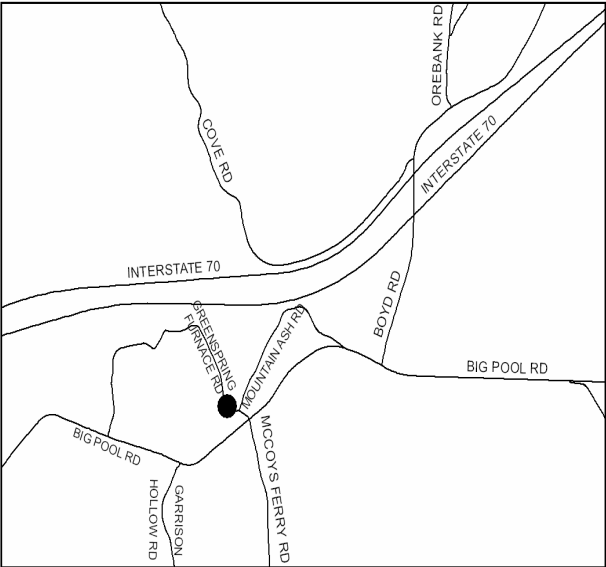
Project Title: Greenspring Furnace Road Culvert 15/15

Project Number: 1047

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located on Greenspring Furnace Road (ADC Map 17, Grid G-8). The project will replace the single lane concrete slab with a two cell concrete box culvert with headwalls.

Assumptions & Justifications:

The project assumes temporary roadway stream/culvert crossing during construction.

The project is needed to replace a structure that is near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	6,000	0	0
Construction	341,000	0	0	0	0	0	341,000	0	0
Inspection	32,000	0	0	0	0	0	32,000	0	0
Utilities	2,000	0	0	0	0	0	2,000	0	0
Total Cost	381,000	0	0	0	0	0	381,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	381,000	0	0	0	0	0	381,000	0	0
Total Funding	381,000	0	0	0	0	0	381,000	0	0

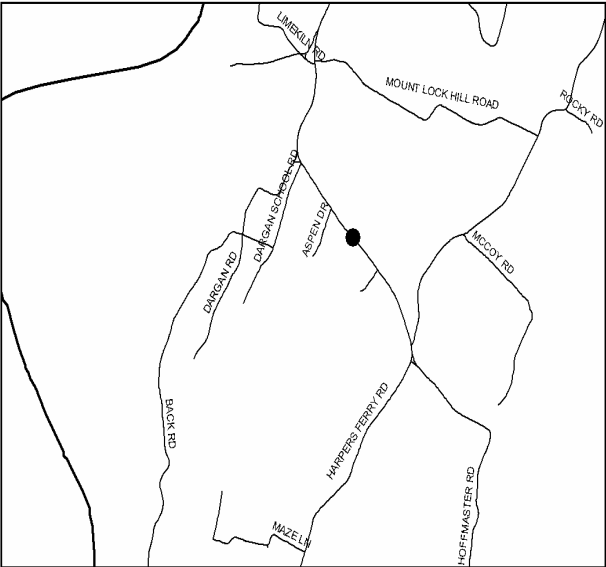
Project Title:       Harpers Ferry Road Culvert 11/02

Project Number:       1048

Account Number:       DNG015

Projected Annual FTE's:       0

Projected Operating Costs:       \$0



Description:

This project is located in the 2300 block of Harpers Ferry Road (ADC Map 36, Grid G-1). The project will replace the concrete slab with a two cell concrete box culvert and headwalls. The project will include installation of an appropriate traffic barrier.

Assumptions & Justifications:

The project is to be done in conjunction with Back Road Culvert 11/03.

The project is needed to replace a structure thats near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	6,000	0	0
Construction	468,000	0	0	0	0	0	468,000	0	0
Inspection	40,000	0	0	0	0	0	40,000	0	0
Utilities	7,000	0	0	0	0	0	7,000	0	0
Total Cost	521,000	0	0	0	0	0	521,000	0	0

Funding Sources:

Tax Supported Bond	521,000	0	0	0	0	0	521,000	0	0
Total Funding	521,000	0	0	0	0	0	521,000	0	0

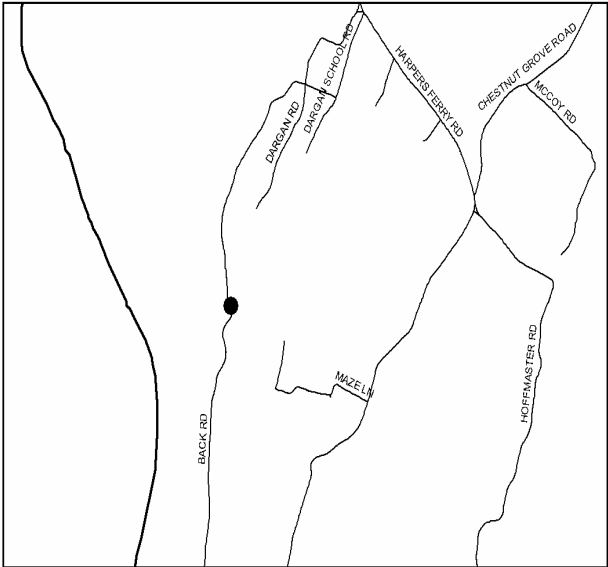
Project Title: Back Road Culvert 11/03

Project Number: 1049

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project is located in the 1800 Block of Back Road. The work consists of replacing the existing concrete slab bridge with a concrete box culvert and headwalls. The project will install the appropriate safety measures including marking and a traffic barrier.

Assumptions & Justifications:

The project is to be done in conjunction with Harpers Ferry Road Culvert 11/02.

The project is needed to replace a structure that is near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	6,000	0	0
Construction	237,000	0	0	0	0	0	237,000	0	0
Inspection	32,000	0	0	0	0	0	32,000	0	0
Utilities	3,000	0	0	0	0	0	3,000	0	0
Total Cost	278,000	0	0	0	0	0	278,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	278,000	0	0	0	0	0	278,000	0	0
Total Funding	278,000	0	0	0	0	0	278,000	0	0

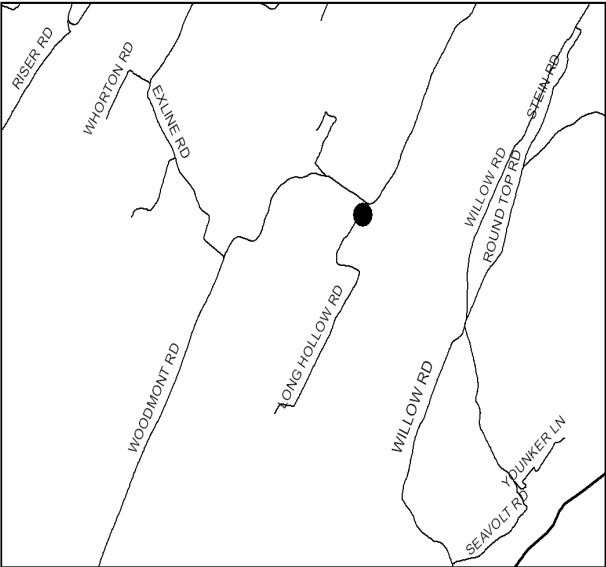
Project Title: Long Hollow Road Culvert 05/07

Project Number: 1050

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 13000 block of Long Hollow Road (ADC Map 2, Grid D-12). The project will replace the concrete slab with a concrete box culvert and headwalls. The project will also provide for the installation of an appropriate traffic barrier.

Assumptions & Justifications:

The project is to be done in conjunction with Henline Road Culvert 05/05 and Hoffman's Inn Road 05/06.

The project is needed to replace a structure that is near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	6,000	0
Construction	241,000	0	0	0	0	0	0	241,000	0
Inspection	32,000	0	0	0	0	0	0	32,000	0
Utilities	2,000	0	0	0	0	0	0	2,000	0
Total Cost	281,000	0	0	0	0	0	0	281,000	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	281,000	0	0	0	0	0	0	281,000	0
Total Funding	281,000	0	0	0	0	0	0	281,000	0

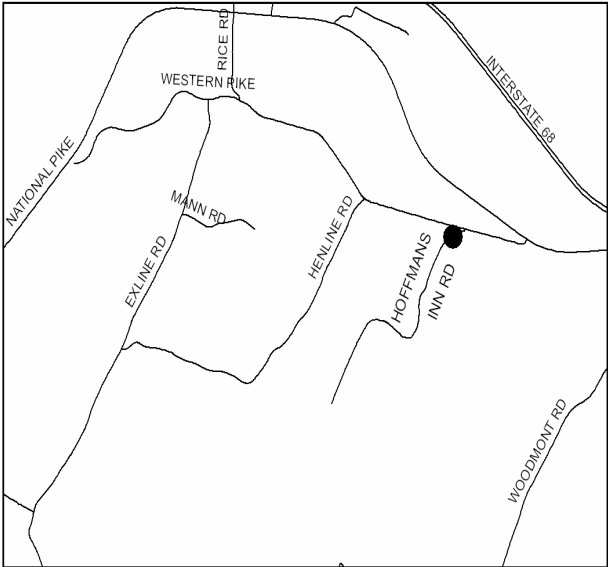
Project Title: Hoffman's Inn Road Culvert 05/06

Project Number: 1051

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 2500 block of Hoffman's Inn Road (ADC Map 2, Grid D-8). The project will replace the concrete slab with a concrete box culvert and headwalls. The project will provide for the installation of an appropriate traffic barrier.

Assumptions & Justifications:

The project is to be done in conjunction with Long Hollow Road Culvert 05/07 and Henline Road Culvert 05/05.

The project is needed to replace a structure that is near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	9,000	0	0	0	0	0	0	9,000	0
Construction	241,000	0	0	0	0	0	0	241,000	0
Inspection	32,000	0	0	0	0	0	0	32,000	0
Utilities	7,000	0	0	0	0	0	0	7,000	0
Total Cost	289,000	0	0	0	0	0	0	289,000	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	289,000	0	0	0	0	0	0	289,000	0
Total Funding	289,000	0	0	0	0	0	0	289,000	0

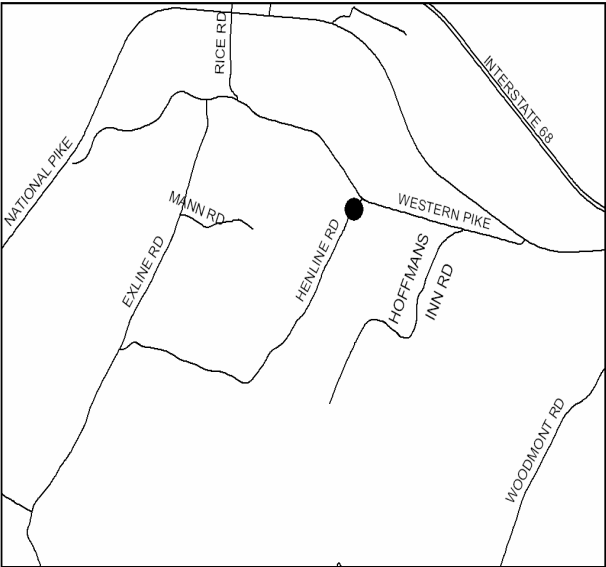
Project Title: Henline Road Culvert 05/05

Project Number: 1052

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 3200 block of Henline Road (ADC Map 2, Grid C-8). The project will replace the concrete slab with a concrete box culvert and headwalls. The project will provide for the installation of an appropriate traffic barrier.

Assumptions & Justifications:

The project is to be done in conjunction with Longmeadow Road Culvert 05/07 and Hoffman's Inn Road Culvert 05/06.

The project is needed to replace a structure that is near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	6,000	0
Construction	375,000	0	0	0	0	0	0	375,000	0
Inspection	40,000	0	0	0	0	0	0	40,000	0
Utilities	2,000	0	0	0	0	0	0	2,000	0
Total Cost	423,000	0	0	0	0	0	0	423,000	0

Funding Sources:

Tax Supported Bond	423,000	0	0	0	0	0	0	423,000	0
Total Funding	423,000	0	0	0	0	0	0	423,000	0

Project Title: Bridge Scour Repairs

Project Number: 1086

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project will perform bridge scour countermeasures on several bridges throughout the County. The repairs will include either providing concrete collars, grout bags, or riprap to stabilize the foundations of the bridges.

Assumptions & Justifications:

The major bridge inspection program revealed the need to address this issue and has documented the bridges needing the repairs.

The project is needed to extend the useful life of the structures in a cost effective manner and to maintain the structures in a serviceable condition. Failure to address these repairs could result in closure of the structures to traffic. Recent changes in the federal bridge inspection program required this activity.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	208,000	0	0	208,000	0	0	0	0	0
Total Cost	208,000	0	0	208,000	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	208,000	0	0	208,000	0	0	0	0	0
Total Funding	208,000	0	0	208,000	0	0	0	0	0



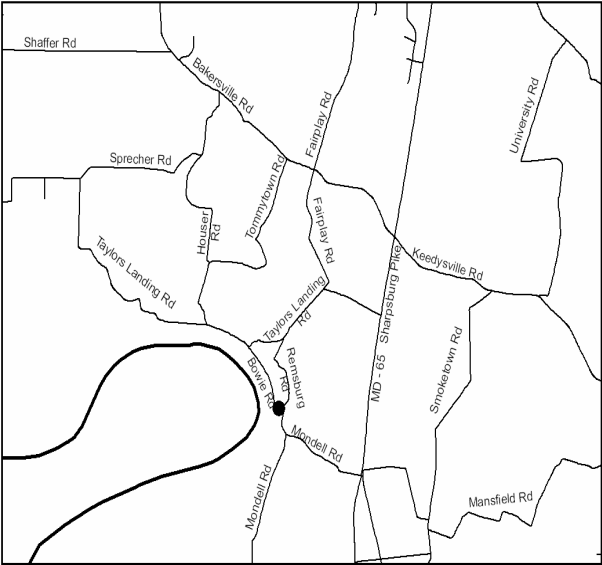
Project Title:       Bowie Road Culvert

Project Number:       1095

Account Number:

Projected Annual FTE's:       0

Projected Operating Costs:       \$0



Description:

This project is located in the 6600 Block of Bowie Road (ADC Map 30, Grid H-6). The project will replace the culverts with a precast concrete box culvert and headwalls.

Assumptions & Justifications:

The project will be done in conjunction with Remsburg Road Culvert.

The project is needed to replace a structure that is near the end of its useful life and to increase the structure size to reduce frequency of roadway overtopping.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	6,000	0
Construction	228,000	0	0	0	0	0	0	0	228,000
Inspection	33,000	0	0	0	0	0	0	0	33,000
Utilities	7,000	0	0	0	0	0	0	7,000	0
Total Cost	274,000	0	0	0	0	0	0	13,000	261,000

Funding Sources:

General Fund	13,000	0	0	0	0	0	0	13,000	0
Tax Supported Bond	261,000	0	0	0	0	0	0	0	261,000
Total Funding	274,000	0	0	0	0	0	0	13,000	261,000

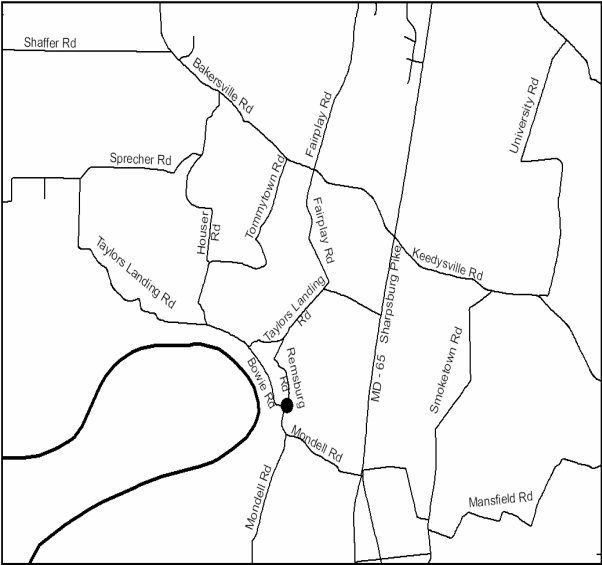
Project Title: Remsburg Road Culvert

Project Number: 1096

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project is located in the 6600 Block of Remsburg Road (ADC Map 30, Grid H-6). The project will replace the culverts with a precast concrete box culvert and headwalls. The project will raise the existing roadway elevation at crossing to reduce overtopping.

Assumptions & Justifications:

The project is to be done in conjunction with Bowie Road Culvert.

The project is needed to replace a structure that is near the end of its useful life and will increase the structure size to reduce the frequency of roadway overtopping.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	6,000	0
Construction	234,000	0	0	0	0	0	0	0	234,000
Inspection	33,000	0	0	0	0	0	0	0	33,000
Utilities	7,000	0	0	0	0	0	0	7,000	0
Total Cost	280,000	0	0	0	0	0	0	13,000	267,000

Funding Sources:

General Fund	13,000	0	0	0	0	0	0	13,000	0
Tax Supported Bond	267,000	0	0	0	0	0	0	0	267,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	280,000	0	0	0	0	0	0	13,000	267,000

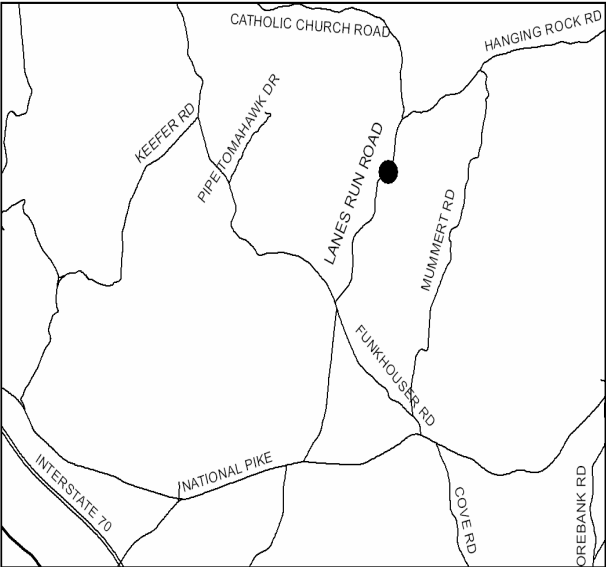
Project Title: Lanes Road Culvert 15/12

Project Number: 1131

Account Number: DNG020

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 12900 block of Lanes Road (ADC Map 6, D-12). The project will replace the deteriorated two lane concrete slab bridge with a precast box culvert. An upgraded traffic barrier will be added as well to improve safety.

Assumptions & Justifications:

The structure needs to be replaced due to its advanced deterioration as it is nearing the end of its useful life. Due to the structure type, no practical long term repair options exist.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	232,000	0	0	0	0	0	0	0	232,000
Inspection	35,000	0	0	0	0	0	0	0	35,000
Utilities	7,000	0	0	0	0	0	0	0	7,000
Total Cost	280,000	0	0	0	0	0	0	0	280,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	280,000	0	0	0	0	0	0	0	280,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	280,000	0	0	0	0	0	0	0	280,000

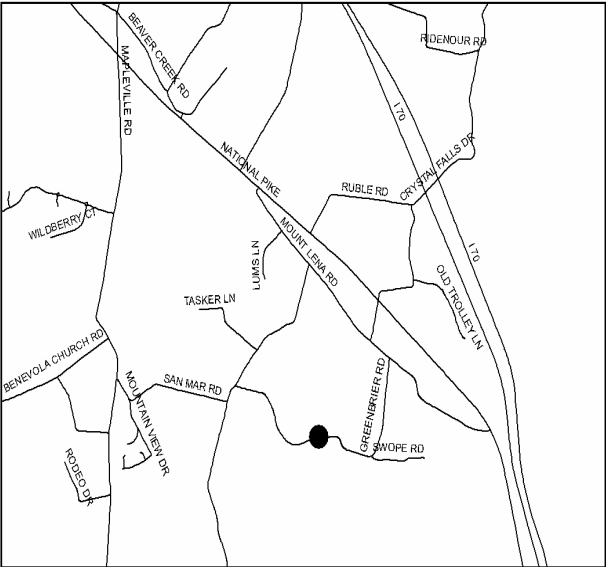
Project Title: Greenbrier Road Culvert 16/14

Project Number: 1132

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located near Greenbrier State Park (ADC Map 27, H-9). The project will replace the deteriorated two lane corrugated metal pipe culvert with a precast box culvert. An upgraded traffic barrier will be added as well to improve safety.

Assumptions & Justifications:

The structure needs to be replaced due to its advanced deterioration as it is nearing the end of its useful life. Due to the structure type, no practical long term repair options exist.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	261,000	0	0	0	0	0	0	0	261,000
Inspection	35,000	0	0	0	0	0	0	0	35,000
Utilities	7,000	0	0	0	0	0	0	0	7,000
Total Cost	309,000	0	0	0	0	0	0	0	309,000

Funding Sources:

General Fund	223,000	0	0	0	0	0	0	0	223,000
Tax Supported Bond	86,000	0	0	0	0	0	0	0	86,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	309,000	0	0	0	0	0	0	0	309,000

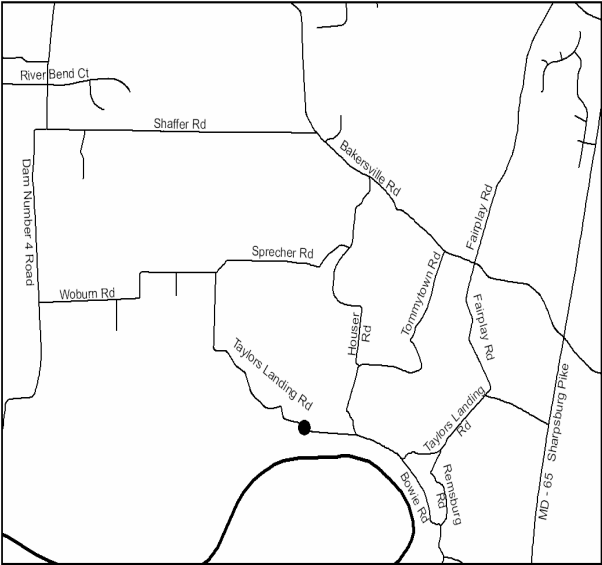
Project Title: Taylors Landing Road Bridge W7101

Project Number: 1133

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project is located in the 17000 block of Taylors Landing Road (ADC Map 30, E-4). The project will replace a deteriorated corrugated metal pipe culvert with a precast concrete arch culvert. An upgraded traffic barrier will be added as well to improve safety.

Assumptions & Justifications:

The structure needs to be replaced due to its advanced deterioration as it is nearing the end of its useful life. Due to the structure type, no practical long term repair options exist.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	0	0	11,000
Construction	1,021,000	0	0	0	0	0	0	0	1,021,000
Inspection	104,000	0	0	0	0	0	0	0	104,000
Utilities	14,000	0	0	0	0	0	0	0	14,000
Total Cost	1,150,000	0	0	0	0	0	0	0	1,150,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,150,000	0	0	0	0	0	0	0	1,150,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	1,150,000	0	0	0	0	0	0	0	1,150,000

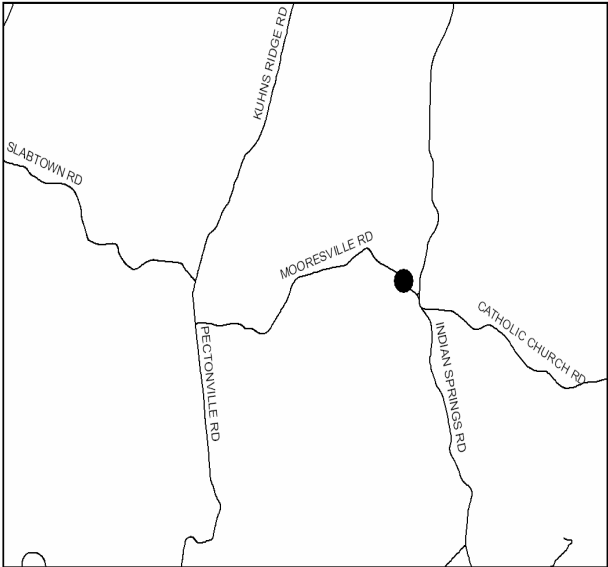
Project Title: Mooresville Road Culvert 15/21

Project Number: 1206

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 10200 Block of Mooresville Road (ADC Map 5, Grid K-9). The project will replace a deteriorated multiple corrugated metal pipe culvert with a new precast concrete box culvert.

Assumptions & Justifications:

The project is needed to replace a structure that is near the end of its useful life. Due to the structure type, no practical long term repair options exist. Traffic barrier upgrades will also improve traffic safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	273,000	0	0	0	0	0	0	0	273,000
Inspection	42,000	0	0	0	0	0	0	0	42,000
Utilities	12,000	0	0	0	0	0	0	0	12,000
Total Cost	333,000	0	0	0	0	0	0	0	333,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	333,000	0	0	0	0	0	0	0	333,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	333,000	0	0	0	0	0	0	0	333,000

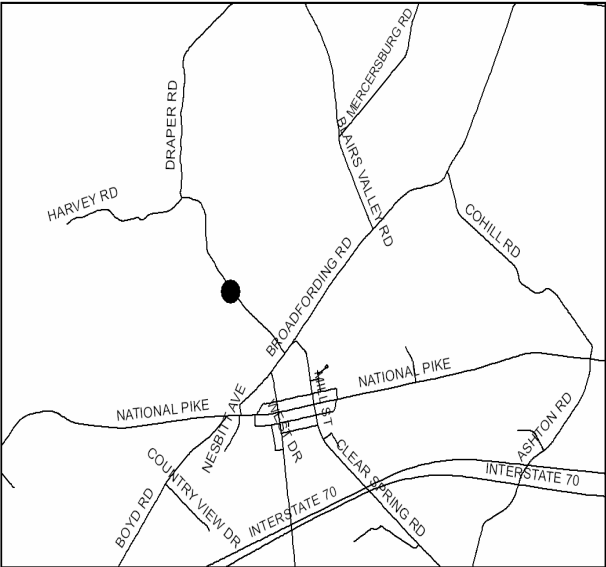
Project Title: Draper Road Culvert 04/07

Project Number: 1210

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 12700 Block of Draper Road (ADC Map 18, Grid B-1). The project will replace the concrete slab with a new precast concrete box culvert.

Assumptions & Justifications:

The project is needed to replace a structure that is near the end of its useful life. Due to the structure type, no practical long term repair options exist. Traffic barrier upgrades will also improve traffic safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	330,000	0	0	0	0	0	0	0	330,000
Inspection	42,000	0	0	0	0	0	0	0	42,000
Utilities	12,000	0	0	0	0	0	0	0	12,000
Total Cost	390,000	0	0	0	0	0	0	0	390,000

Funding Sources:

General Fund	18,000	0	0	0	0	0	0	0	18,000
Tax Supported Bond	372,000	0	0	0	0	0	0	0	372,000
Total Funding	390,000	0	0	0	0	0	0	0	390,000

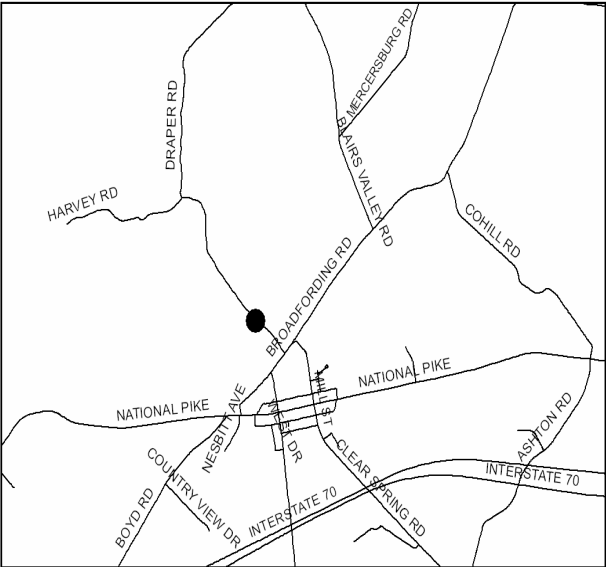
Project Title: Draper Road Culvert 04/08

Project Number: 1211

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 12700 Block of Draper Road (ADC Map 18, Grid B-1). The project will replace the concrete slab with a new precast concrete box culvert.

Assumptions & Justifications:

The project is needed to replace a structure that is near the end of its useful life. Due to the structure type, no practical long term repair options exist. Traffic barrier upgrades will also improve traffic safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	283,000	0	0	0	0	0	0	0	283,000
Inspection	42,000	0	0	0	0	0	0	0	42,000
Utilities	23,000	0	0	0	0	0	0	0	23,000
Total Cost	354,000	0	0	0	0	0	0	0	354,000

Funding Sources:

General Fund	29,000	0	0	0	0	0	0	0	29,000
Tax Supported Bond	325,000	0	0	0	0	0	0	0	325,000
Total Funding	354,000	0	0	0	0	0	0	0	354,000



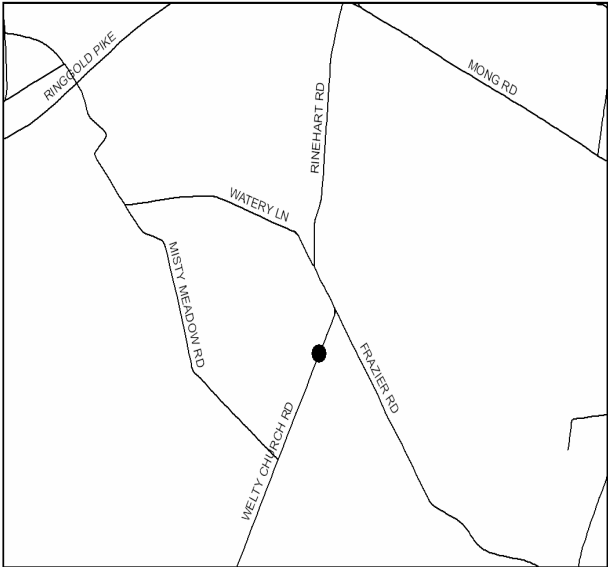
Project Title: Welty Church Road Culvert 14/06

Project Number: 1212

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 23500 block of Welty Church Road (ADC Map 12, Grid J-7). The project will replace the corrugated metal pipe arch with a concrete box culvert with headwalls.

Assumptions & Justifications:

The bridge is in a condition beyond serviceable repair.

This bridge is structurally and functionally deficient and requires replacement.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	264,000	0	0	0	0	0	0	0	264,000
Inspection	43,000	0	0	0	0	0	0	0	43,000
Total Cost	313,000	0	0	0	0	0	0	0	313,000

Funding Sources:

General Fund	6,000	0	0	0	0	0	0	0	6,000
Tax Supported Bond	307,000	0	0	0	0	0	0	0	307,000
Total Funding	313,000	0	0	0	0	0	0	0	313,000

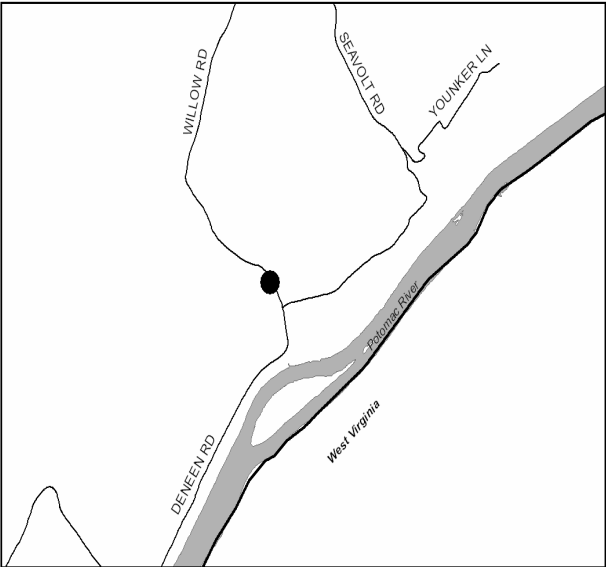
Project Title: Willow Road Culvert 05/10

Project Number: 1213

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 12400 block of Willow Road (ADC Map 15, Grid F-4). The project will replace the concrete slab with a concrete box culvert with headwalls.

Assumptions & Justifications:

The bridge is in a condition beyond serviceable repair.

This bridge is structurally and functionally deficient and requires replacement.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	248,000	0	0	0	0	0	0	0	248,000
Inspection	42,000	0	0	0	0	0	0	0	42,000
Total Cost	296,000	0	0	0	0	0	0	0	296,000

Funding Sources:

General Fund	6,000	0	0	0	0	0	0	0	6,000
Tax Supported Bond	290,000	0	0	0	0	0	0	0	290,000
Total Funding	296,000	0	0	0	0	0	0	0	296,000

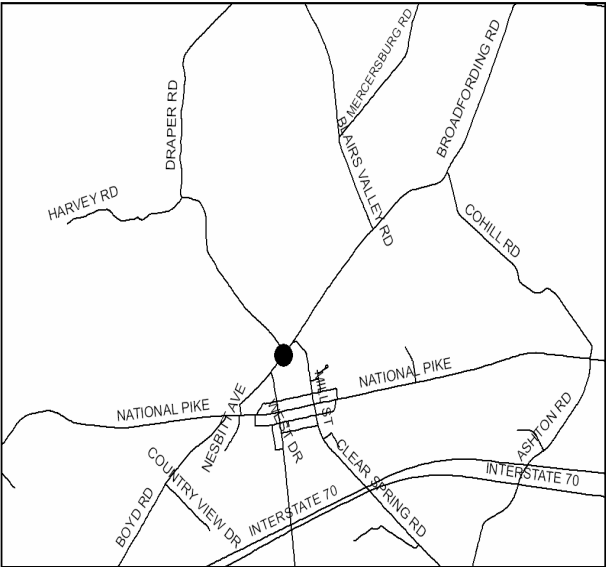
Project Title: Broadfording Road Culvert 04/03

Project Number: 1245

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 12700 block of Broadfording Road (ADC Map 18, Grid C-2). The project will replace the concrete bridge with a concrete box culvert with headwalls. Traffic barrier will be upgraded to improve safety.

Assumptions & Justifications:

The project will be done in conjunction with Draper Road Culverts 04/07 and 04/08.

The project is needed to replace a structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	372,000	0	0	0	0	0	0	0	372,000
Inspection	43,000	0	0	0	0	0	0	0	43,000
Utilities	4,000	0	0	0	0	0	0	0	4,000
Total Cost	425,000	0	0	0	0	0	0	0	425,000

Funding Sources:

General Fund	10,000	0	0	0	0	0	0	0	10,000
Tax Supported Bond	415,000	0	0	0	0	0	0	0	415,000
Total Funding	425,000	0	0	0	0	0	0	0	425,000

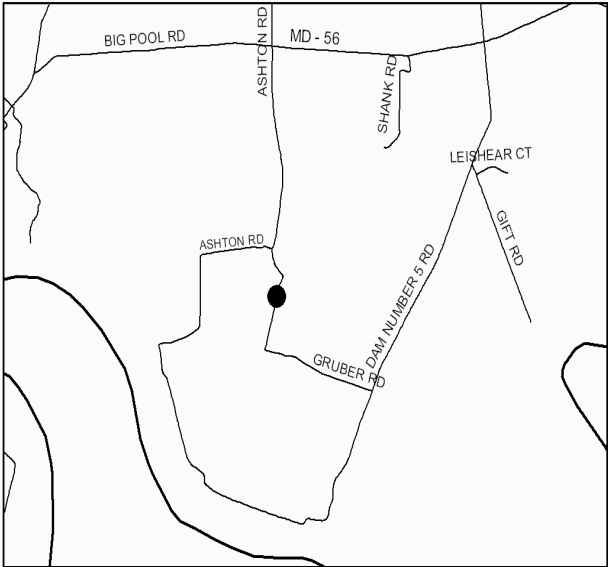
Project Title: Gruber Road Bridge 04/10

Project Number: 1246

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project is located in the 13200 block of Gruber Road (ADC Map 18, Grid E-9). The project will replace the concrete slab with a new concrete superstructure. Additional repairs include substructure concrete repairs and scour countermeasures.

Assumptions & Justifications:

The project is to be done in conjunction with Ashton Road Culvert 04-06.

The project is needed to replace a superstructure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	234,000	0	0	0	0	0	0	0	234,000
Inspection	35,000	0	0	0	0	0	0	0	35,000
Utilities	4,000	0	0	0	0	0	0	0	4,000
Total Cost	279,000	0	0	0	0	0	0	0	279,000

Funding Sources:

General Fund	10,000	0	0	0	0	0	0	0	10,000
Tax Supported Bond	269,000	0	0	0	0	0	0	0	269,000
Total Funding	279,000	0	0	0	0	0	0	0	279,000

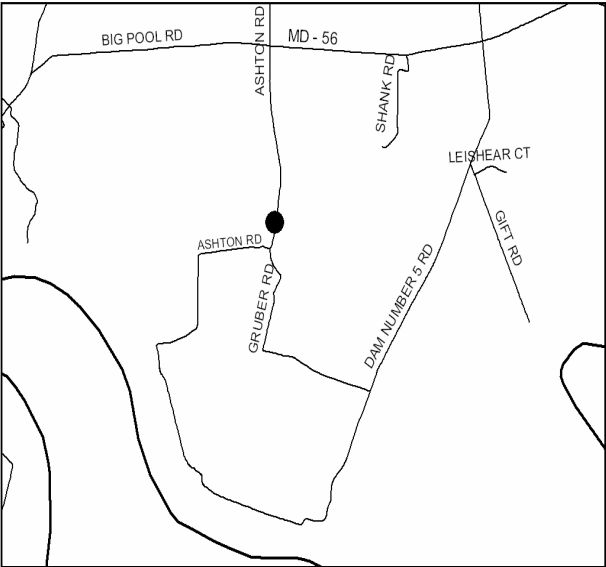
Project Title: Ashton Road Culvert 04/06

Project Number: 1247

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 11200 block of Ashton Road (ADC Map 18, Grid E-9). The project will replace the concrete slab with a concrete box culvert with headwalls. The traffic barrier will be upgraded to improve safety.

Assumptions & Justifications:

The project is to be done in conjunction with Gruber Road Bridge 04/10.

The project is needed to replace a structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	319,000	0	0	0	0	0	0	0	319,000
Inspection	43,000	0	0	0	0	0	0	0	43,000
Utilities	24,000	0	0	0	0	0	0	0	24,000
Total Cost	392,000	0	0	0	0	0	0	0	392,000

Funding Sources:

General Fund	157,000	0	0	0	0	0	0	0	157,000
Tax Supported Bond	235,000	0	0	0	0	0	0	0	235,000
Total Funding	392,000	0	0	0	0	0	0	0	392,000

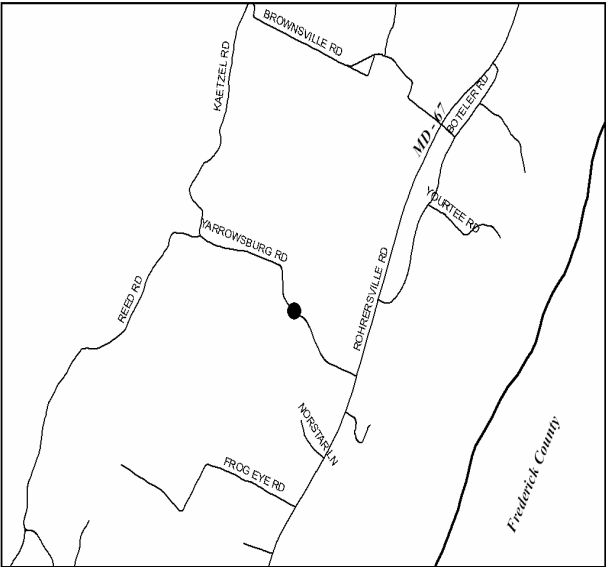
Project Title: Yarrowsburg Road Bridge W6191

Project Number: 1248

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located just south of Brownsville Road on Yarrowsburg Road (ADC Map 37, Grid E-2). The project will replace the existing concrete encased steel beam bridge with a single span concrete bridge. The project includes a roadway approach realignment and improvements. The Bridge sufficiency rating is 42.1 out of a maximum possible score of 100.

Assumptions & Justifications:

The project is proposed as a Federal Aid project with 80/20 cost share for construction.

The project is needed to replace a structure that in nearing the end of its useful life and to improve safety. Due to the structure type, no practical long term repair option exists.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	118,000	0	0	0	0	0	0	0	118,000
Land Acquisition	12,000	0	0	0	0	0	0	0	12,000
Construction	0	0	0	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Utilities	30,000	0	0	0	0	0	0	0	30,000
Total Cost	160,000	0	0	0	0	0	0	0	160,000

Funding Sources:

General Fund	104,000	0	0	0	0	0	0	0	104,000
Tax Supported Bond	56,000	0	0	0	0	0	0	0	56,000
Federal Grant	0	0	0	0	0	0	0	0	0
Total Funding	160,000	0	0	0	0	0	0	0	160,000

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**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Drainage										
102	Interstate Industrial Park Stormwater Mgmt	661,000	0	0	0	0	0	661,000	0	0
103	Stream Restoration at Various Locations	2,882,600	665,600	715,000	0	42,000	432,000	0	45,000	983,000
104	Stormwater Retrofits	8,857,900	904,900	860,000	878,000	894,000	912,000	928,000	945,000	2,536,000
105	Shank Road Drainage	162,000	0	0	0	0	0	162,000	0	0
106	Hoffmaster and Harpers Ferry Road Drainage	945,000	0	0	0	32,000	913,000	0	0	0
107	Harpers Ferry Road Drainage, 3600 Block	397,000	0	0	0	0	0	66,000	331,000	0
108	Brookfield Avenue Drainage	116,000	0	0	0	0	0	116,000	0	0
109	Broadfording Church Road Culvert	246,000	0	0	0	0	0	246,000	0	0
Drainage Total		14,267,500	1,570,500	1,575,000	878,000	968,000	2,257,000	2,179,000	1,321,000	3,519,000
Funding Sources										
General Fund		1,085,600	469,600	0	0	42,000	0	0	47,000	527,000
Tax Supported Bond		11,366,900	860,900	0	878,000	926,000	2,257,000	2,179,000	1,274,000	2,992,000
Capital Reserve - General		1,185,000	0	1,185,000	0	0	0	0	0	0
Federal Grant		630,000	240,000	390,000	0	0	0	0	0	0
		14,267,500	1,570,500	1,575,000	878,000	968,000	2,257,000	2,179,000	1,321,000	3,519,000



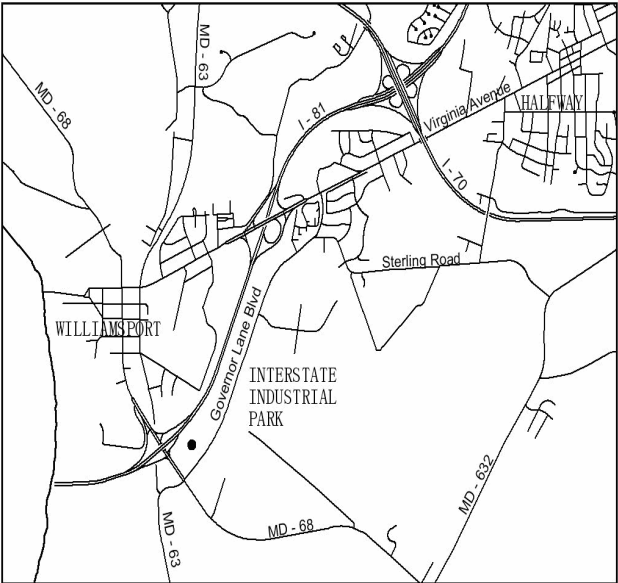
Project Title: Interstate Industrial Park Stormwater Mgmt

Project Number: 10

Account Number: DNG012

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will upgrade the existing stormwater management pond at the south end of the industrial park. The upgrade will close sinkholes, improve dam embankment, increase storage volume and modify the outlet structure.

Assumptions & Justifications:

The upgrade is needed to address downstream flooding conditions, sinkholes and provide enhanced stormwater management for previously approved development.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	28,000	0	0	0	0	0	28,000	0	0
Construction	550,000	0	0	0	0	0	550,000	0	0
Inspection	83,000	0	0	0	0	0	83,000	0	0
Total Cost	661,000	0	0	0	0	0	661,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	661,000	0	0	0	0	0	661,000	0	0
Contributions	0	0	0	0	0	0	0	0	0
Contributions - Developer	0	0	0	0	0	0	0	0	0
Total Funding	661,000	0	0	0	0	0	661,000	0	0

Project Title: Stream Restoration at Various Locations

Project Number: 1009

Account Number: DNG030

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project will restore stream banks at various locations on the Antietam Creek and Conococheague Creek to improve water quality.

Assumptions & Justifications:

FY15 funds are budgeted for Devils Backbone Park Stream Bank Stabilization with anticipation of a 60/40 grant (\$390,000 Federal, \$260,000 local) with a 10% contingency. It is anticipated that the Pleasant Valley Road Stream restoration project will be completed with local funding from FY18. Stream restoration projects in FY21 and FY24 are yet to be determined.

Maryland has imposed total maximum daily load requirements (TMDL) on the Antietam Creek and Conococheague Creek. This requirement will restrict land development over time unless dealt with by mitigation measures. Stream restoration will improve water quality and allow for future development.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	215,600	81,600	0	0	42,000	0	0	45,000	47,000
Construction	2,667,000	584,000	715,000	0	0	432,000	0	0	936,000
Total Cost	2,882,600	665,600	715,000	0	42,000	432,000	0	45,000	983,000

Funding Sources:

General Fund	1,039,600	425,600	0	0	42,000	0	0	45,000	527,000
Tax Supported Bond	888,000	0	0	0	0	432,000	0	0	456,000
Capital Reserve - General	325,000	0	325,000	0	0	0	0	0	0
Federal Grant	630,000	240,000	390,000	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	2,882,600	665,600	715,000	0	42,000	432,000	0	45,000	983,000

Project Title: Stormwater Retrofits

Project Number: 1125

Account Number: DNG039

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project includes the construction of SWM systems based on Best Management Practices such as bio-swales, bio-filters, permeable pavements, ponds, wetlands, etc. along roadways, in parks, and on other county properties to satisfy the Natl. Pollutant Discharge Elimination Systems (NPDES) requirements established by the MDE.

Assumptions & Justifications:

The project will provide treatment for 20% of the impervious surfaces within the regulated NPDES area estimated to be 2,900 acres, treating 580 acres per year.

The project is requested due to a regulatory requirement imposed by the EPA and MDE.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	256,500	48,500	24,000	25,000	25,000	26,000	26,000	27,000	55,000
Land Acquisition	214,400	40,400	20,000	21,000	21,000	22,000	22,000	22,000	46,000
Construction	8,387,000	816,000	816,000	832,000	848,000	864,000	880,000	896,000	2,435,000
Total Cost	8,857,900	904,900	860,000	878,000	894,000	912,000	928,000	945,000	2,536,000

Funding Sources:

General Fund	44,000	44,000	0	0	0	0	0	0	0
Tax Supported Bond	7,953,900	860,900	0	878,000	894,000	912,000	928,000	945,000	2,536,000
Capital Reserve - General	860,000	0	860,000	0	0	0	0	0	0
Total Funding	8,857,900	904,900	860,000	878,000	894,000	912,000	928,000	945,000	2,536,000

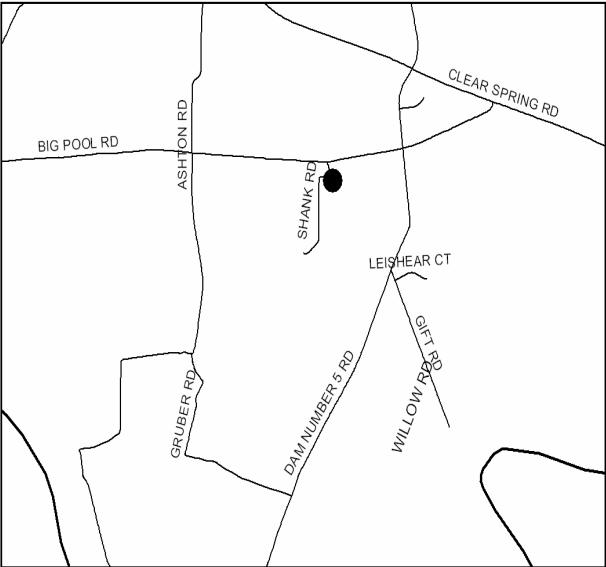
Project Title: Shank Road Drainage

Project Number: 1134

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project is located near Big Pool Road in Clear Spring (ADC Map 18, G-7). The project will stabilize the stream bank and roadway embankment.

Assumptions & Justifications:

The existing retaining wall is collapsing into the adjacent stream. Failure of the wall will cause properties to become inaccessible for emergency services and will cause more costly damage.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	2,000	0	0	0	0	0	2,000	0	0
Construction	138,000	0	0	0	0	0	138,000	0	0
Inspection	22,000	0	0	0	0	0	22,000	0	0
Total Cost	162,000	0	0	0	0	0	162,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	162,000	0	0	0	0	0	162,000	0	0
Total Funding	162,000	0	0	0	0	0	162,000	0	0

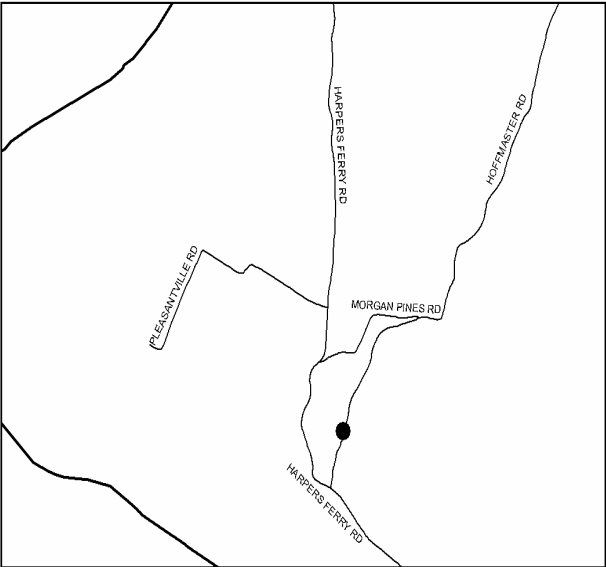
Project Title: Hoffmaster and Harpers Ferry Road Drainage

Project Number: 1135

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 700 block of Hoffmaster Road (ADC Map 36, F-9) and the 700 Block of Harpers Ferry Road (ADC Map 36, E-9). The project includes drainage improvements to stabilize the stream bank and roadway embankment.

Assumptions & Justifications:

The existing roadside retaining wall has collapsed in numerous locations. Conditions are causing a safety hazard for the motoring public. A collapsed retaining wall is blocking an adjacent stream which causes localized flooding during storm events.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	11,000	0	0	0	0
Construction	848,000	0	0	0	0	848,000	0	0	0
Inspection	65,000	0	0	0	0	65,000	0	0	0
Utilities	21,000	0	0	0	21,000	0	0	0	0
Total Cost	945,000	0	0	0	32,000	913,000	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	945,000	0	0	0	32,000	913,000	0	0	0
Total Funding	945,000	0	0	0	32,000	913,000	0	0	0

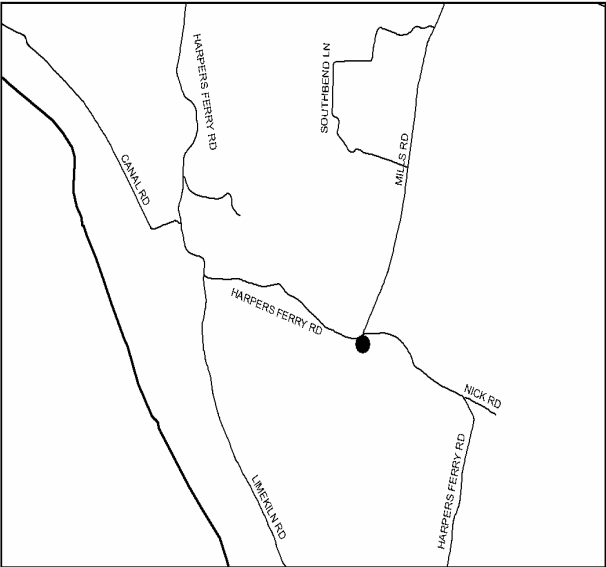
Project Title:       Harpers Ferry Road Drainage, 3600 Block

Project Number:       1136

Account Number:

Projected Annual FTE's:       0

Projected Operating Costs:       \$0



Description:

This project is located in the 3600 block of Harpers Ferry Road at the intersection with Mills Road (ADC Map 34, C-7). The project will replace the existing corrugated metal pipes with larger concrete pipes to reduce flooding impacts in this area.

Assumptions & Justifications:

The project is needed to provide cost effective road maintenance in this area. The frequency of flooding impacts the delivery of public safety services in that area of the county.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	11,000	0	0
Construction	291,000	0	0	0	0	0	0	291,000	0
Inspection	40,000	0	0	0	0	0	0	40,000	0
Utilities	55,000	0	0	0	0	0	55,000	0	0
Total Cost	397,000	0	0	0	0	0	66,000	331,000	0

Funding Sources:

General Fund	2,000	0	0	0	0	0	0	2,000	0
Tax Supported Bond	395,000	0	0	0	0	0	66,000	329,000	0
Total Funding	397,000	0	0	0	0	0	66,000	331,000	0

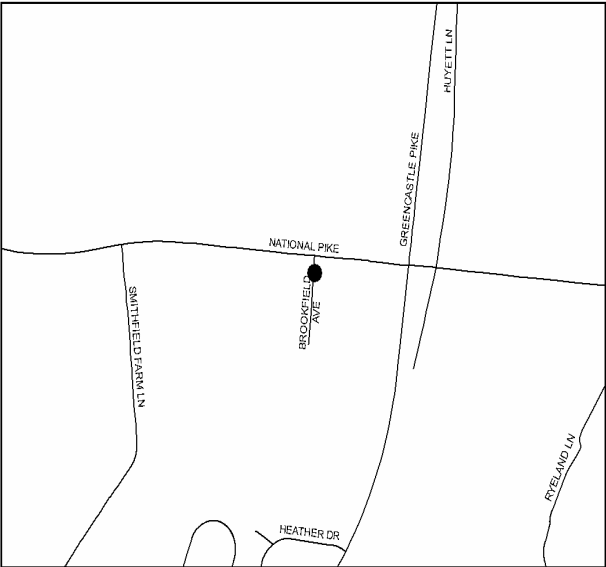
Project Title: Brookfield Avenue Drainage

Project Number: 1201

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located at the end of Brookfield Avenue (ADC Map 20, Grid B-4). The project will provide channel and culvert improvement to correct road and property flooding.

Assumptions & Justifications:

This project is needed to correct road and property flooding problems and reduce structure maintenance.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	116,000	0	0	0	0	0	116,000	0	0
Total Cost	116,000	0	0	0	0	0	116,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	116,000	0	0	0	0	0	116,000	0	0
Total Funding	116,000	0	0	0	0	0	116,000	0	0

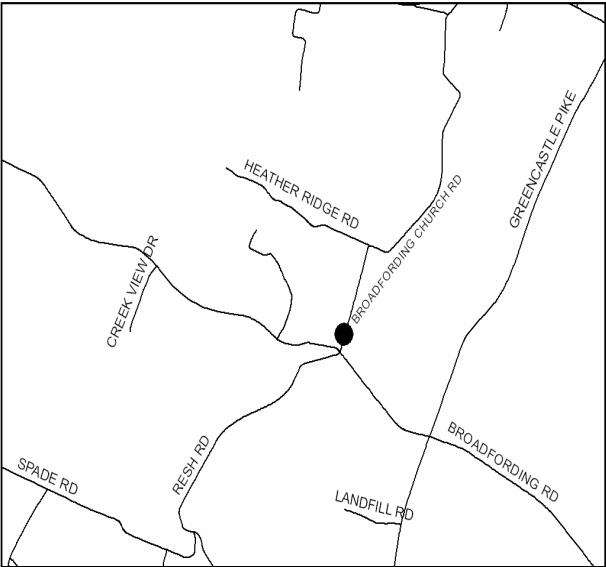
Project Title: Broadfording Church Road Culvert

Project Number: 1244

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 13500 block of Broadfording Church Road (ADC Map 9, Grid C-10). The project will replace a stone/concrete drainage structure and endwalls with a concrete pipe with concrete headwalls. The traffic barrier will be upgraded to improve safety.

Assumptions & Justifications:

The project is needed to replace a structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	6,000	0	0
Construction	204,000	0	0	0	0	0	204,000	0	0
Inspection	33,000	0	0	0	0	0	33,000	0	0
Utilities	3,000	0	0	0	0	0	3,000	0	0
Total Cost	246,000	0	0	0	0	0	246,000	0	0

Funding Sources:

Tax Supported Bond	246,000	0	0	0	0	0	246,000	0	0
Total Funding	246,000	0	0	0	0	0	246,000	0	0



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**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Education										
Board of Education										
114	Relocatable Classrooms	936,000	0	0	0	0	0	0	0	936,000
115	Capital Maintenance - BOE	23,384,000	7,102,000	2,782,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000
116	Bester Elementary (Replacement School)	22,881,500	20,197,500	2,684,000	0	0	0	0	0	0
117	E. Russell Hicks Middle School (Reno/Addition)	21,081,000	0	0	0	0	0	0	0	21,081,000
118	West City Elementary School - Phase I	18,903,000	900,000	8,878,000	7,280,000	1,845,000	0	0	0	0
119	Sharpsburg Elementary School- Replacement	20,147,000	0	0	0	1,802,000	8,004,000	8,407,000	1,934,000	0
120	Western Heights Middle School Modernization	28,015,000	0	0	0	0	0	1,870,000	10,416,000	15,729,000
121	Concepts for High School Capacity	4,521,000	0	0	0	0	0	0	0	4,521,000
122	Concepts for Elementary Capacity	3,256,000	0	0	0	0	0	0	0	3,256,000
Board of Education Total		143,124,500	28,199,500	14,344,000	8,780,000	5,147,000	9,504,000	11,777,000	13,850,000	51,523,000
Hagerstown Community College										
124	Campus Operations Building	5,727,000	0	0	0	0	0	0	0	5,727,000
125	Student Center Expansion	12,199,800	855,800	5,087,000	6,257,000	0	0	0	0	0
126	Technology Center Renovation	7,832,000	0	0	0	0	0	0	0	7,832,000
127	Police, Fire and Emerg Svcs Training Facility	14,502,000	0	0	0	965,000	9,040,000	4,497,000	0	0
128	Central Utility Plant Upgrade	2,939,000	0	192,000	2,747,000	0	0	0	0	0
129	Teacher Education Center	3,812,000	0	0	0	0	0	0	196,000	3,616,000
Hagerstown Community College Total		47,011,800	855,800	5,279,000	9,004,000	965,000	9,040,000	4,497,000	196,000	17,175,000
Public Libraries										
132	Hancock Public Library Replacement	3,630,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	3,314,000
Public Libraries Total		3,630,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	3,314,000
Education Total		193,766,300	29,305,300	19,630,000	17,792,000	6,122,000	18,556,000	16,288,000	14,061,000	72,012,000
Funding Sources										
General Fund		3,301,100	3,068,100	0	0	0	0	0	0	233,000
Tax Supported Bond		66,327,400	10,613,400	6,136,000	5,483,000	3,064,000	5,594,000	6,711,000	5,033,000	23,693,000
Transfer Tax		19,100	19,100	0	0	0	0	0	0	0
Excise Tax - Schools		6,660,400	1,392,400	242,000	289,000	336,000	429,000	522,000	600,000	2,850,000
Excise Tax - Library		129,900	6,900	7,000	8,000	10,000	12,000	14,000	15,000	57,000
Capital Reserve - General		1,488,800	488,800	1,000,000	0	0	0	0	0	0
State Grant		110,459,600	13,716,600	10,439,000	9,683,000	2,712,000	11,971,000	9,041,000	8,413,000	44,484,000
Contributions		5,380,000	0	1,806,000	2,329,000	0	550,000	0	0	695,000
		193,766,300	29,305,300	19,630,000	17,792,000	6,122,000	18,556,000	16,288,000	14,061,000	72,012,000

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**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Board of Education										
114	Relocatable Classrooms	936,000	0	0	0	0	0	0	0	936,000
115	Capital Maintenance - BOE	23,384,000	7,102,000	2,782,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000
116	Bester Elementary (Replacement School)	22,881,500	20,197,500	2,684,000	0	0	0	0	0	0
117	E. Russell Hicks Middle School (Reno/Addition)	21,081,000	0	0	0	0	0	0	0	21,081,000
118	West City Elementary School - Phase I	18,903,000	900,000	8,878,000	7,280,000	1,845,000	0	0	0	0
119	Sharpsburg Elementary School- Replacement	20,147,000	0	0	0	1,802,000	8,004,000	8,407,000	1,934,000	0
120	Western Heights Middle School Modernization	28,015,000	0	0	0	0	0	1,870,000	10,416,000	15,729,000
121	Concepts for High School Capacity	4,521,000	0	0	0	0	0	0	0	4,521,000
122	Concepts for Elementary Capacity	3,256,000	0	0	0	0	0	0	0	3,256,000
Board of Education Total		143,124,500	28,199,500	14,344,000	8,780,000	5,147,000	9,504,000	11,777,000	13,850,000	51,523,000
Funding Sources										
General Fund		3,232,000	3,000,000	0	0	0	0	0	0	232,000
Tax Supported Bond		50,242,300	10,150,300	4,833,000	3,060,000	2,721,000	2,935,000	5,115,000	4,963,000	16,465,000
Excise Tax - Schools		6,660,400	1,392,400	242,000	289,000	336,000	429,000	522,000	600,000	2,850,000
Capital Reserve - General		1,488,800	488,800	1,000,000	0	0	0	0	0	0
State Grant		81,501,000	13,168,000	8,269,000	5,431,000	2,090,000	6,140,000	6,140,000	8,287,000	31,976,000
		143,124,500	28,199,500	14,344,000	8,780,000	5,147,000	9,504,000	11,777,000	13,850,000	51,523,000

Project Title: Relocatable Classrooms

Project Number: 80

Account Number: SCH008

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project will install relocatable classrooms at sites to be determined by enrollment projections.

Assumptions & Justifications:

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	936,000	0	0	0	0	0	0	0	936,000
Total Cost	936,000	0	0	0	0	0	0	0	936,000

Funding Sources:

General Fund	232,000	0	0	0	0	0	0	0	232,000
Tax Supported Bond	704,000	0	0	0	0	0	0	0	704,000
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Schools	0	0	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	936,000	0	0	0	0	0	0	0	936,000

Project Title: Capital Maintenance - BOE

Project Number: 81

Account Number: SCH006

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

Projects vary depending on the conditions, safety, security, and utility requirements. The Comprehensive Maintenance Plan outlines specific projects over the next five years. Projects include improved lighting, sidewalk replacements, paving repairs, flooring repairs, door replacement, large painting projects, locker replacement, interior renovations, and security system installations. Projects are targeted to reduce deferred maintenance.

Assumptions & Justifications:

The project consists of on going maintenance improvements of the system outside of the operating budget.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	23,383,900	7,101,900	2,782,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000
Equipment/Furniture	100	100	0	0	0	0	0	0	0
Total Cost	23,384,000	7,102,000	2,782,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000

Funding Sources:

General Fund	1,750,000	1,750,000	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	1,250,000	250,000	1,000,000	0	0	0	0	0	0
Federal Grant	0	0	0	0	0	0	0	0	0
State Grant	20,384,000	5,102,000	1,782,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000
Total Funding	23,384,000	7,102,000	2,782,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000

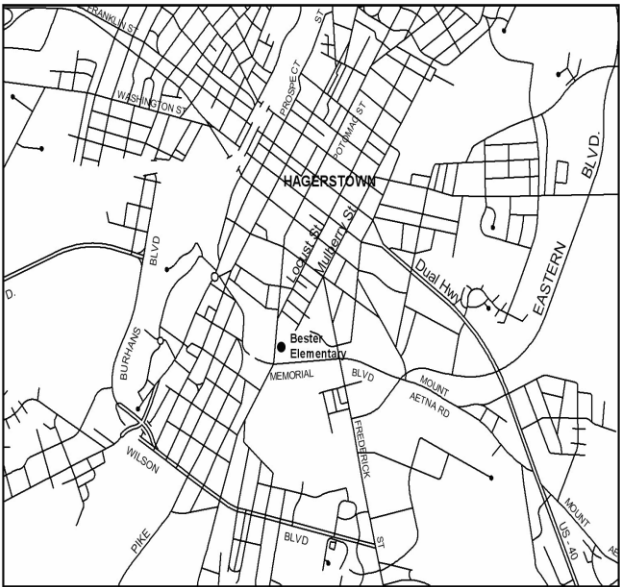
Project Title: Bester Elementary (Replacement School)

Project Number: 89

Account Number: SCH031

Projected Annual FTE's: 0

Projected Operating Costs: \$5,000



Description:

Construct a new 71,671 SF school to replace the existing Bester Elementary on the existing site. The new school is planned as a four-round school, increasing the student capacity of this school from 511 students to 608 students. The existing school building will be demolished to make room for appropriate drives and play fields. Provisions have been made within this budget request to include an expanded gymnasium for community use.

Assumptions & Justifications:

The configuration of this aging building no longer meets the educational needs of the student population. By increasing the capacity of the school on the current site, enrollment pressures will be eased and class sizes can remain smaller. This project also presents an opportunity to create a center of excellence in a neighborhood environment and offer course work and curriculum enhancements that could not otherwise be offered.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	1,700,000	1,607,000	93,000	0	0	0	0	0	0
Construction	20,052,400	18,080,400	1,972,000	0	0	0	0	0	0
Equipment/Furniture	1,129,100	510,100	619,000	0	0	0	0	0	0
Total Cost	22,881,500	20,197,500	2,684,000	0	0	0	0	0	0

Funding Sources:

General Fund	1,250,000	1,250,000	0	0	0	0	0	0	0
Tax Supported Bond	11,950,200	9,644,200	2,306,000	0	0	0	0	0	0
Excise Tax - Schools	1,150,000	1,150,000	0	0	0	0	0	0	0
Capital Reserve - General	87,300	87,300	0	0	0	0	0	0	0
State Grant	8,444,000	8,066,000	378,000	0	0	0	0	0	0
Total Funding	22,881,500	20,197,500	2,684,000	0	0	0	0	0	0

Project Title: E. Russell Hicks Middle School

Project Number: 255

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$5,000



Description:

The project will provide a partial renovation (103,131 square feet) and an addition of 12,914 square feet.

Assumptions & Justifications:

This is an aging middle school in need of modernization and improvements consistent with the needs of students.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	2,289,000	0	0	0	0	0	0	0	2,289,000
Construction	18,076,000	0	0	0	0	0	0	0	18,076,000
Equipment/Furniture	716,000	0	0	0	0	0	0	0	716,000
Total Cost	21,081,000	0	0	0	0	0	0	0	21,081,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	7,431,000	0	0	0	0	0	0	0	7,431,000
Excise Tax - Schools	1,500,000	0	0	0	0	0	0	0	1,500,000
State Grant	12,150,000	0	0	0	0	0	0	0	12,150,000
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	21,081,000	0	0	0	0	0	0	0	21,081,000



Project Title: West City Elementary School - Phase I

Project Number: 950

Account Number: SCH032

Projected Annual FTE's: 0

Projected Operating Costs: \$5,000



Description:

A new 56,818 SF facility to house a 3-round, Pre-K through 5th Grade elementary school with a capacity of 471 students, with a core space sized for a 5-round school to accommodate future expansion. Provisions have been made within this budget request for an expanded gymnasium for community use in partnership with the Buildings, Grounds and Parks Department. This project will allow the closing and consolidation of two aging, inadequate elementary school facilities: Winter Street and Conococheague Elementary.

Assumptions & Justifications:

- The cost of land is not included in this budget
- Assumes 70% state reimbursement on construction
- Assumes 100% local share on engineering, design, furniture

Projected housing developments will cause enrollment growth to the west and north of the City of Hagerstown, requiring a need for additional seat capacity.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	1,293,000	900,000	204,000	104,000	85,000	0	0	0	0
Construction	16,540,000	0	8,674,000	6,742,000	1,124,000	0	0	0	0
Equipment/Furniture	1,070,000	0	0	434,000	636,000	0	0	0	0
Total Cost	18,903,000	900,000	8,878,000	7,280,000	1,845,000	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	7,348,100	506,100	2,527,000	3,060,000	1,255,000	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Schools	773,400	242,400	242,000	289,000	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	151,500	151,500	0	0	0	0	0	0	0
State Grant	10,630,000	0	6,109,000	3,931,000	590,000	0	0	0	0
Total Funding	18,903,000	900,000	8,878,000	7,280,000	1,845,000	0	0	0	0

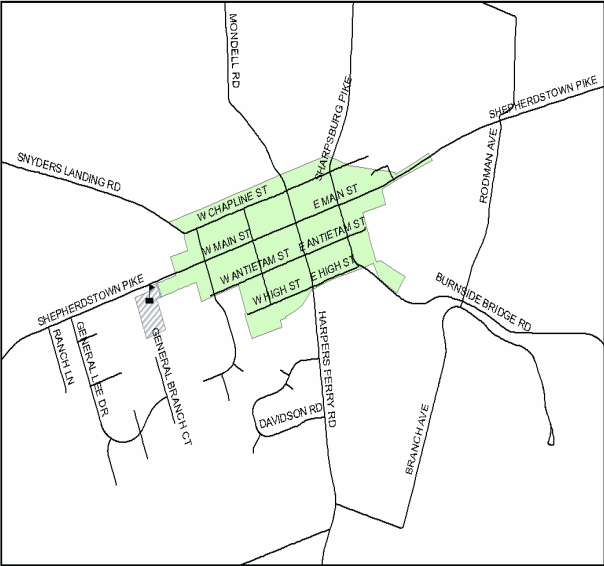
Project Title:      Sharpsburg Elementary School-

Project Number:      1114

Account Number:

Projected Annual FTE's:      0

Projected Operating Costs:      \$5,000



Description:

The project involves construction of 63,818 SF of replacement building to support 471 students.

Assumptions & Justifications:

Replacement is needed due to the age of the school and growth in the southern part of the county.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Architect Fees	1,511,000	0	0	0	954,000	378,000	179,000	0	0
Construction	17,658,000	0	0	0	848,000	7,626,000	7,810,000	1,374,000	0
Equipment/Furniture	978,000	0	0	0	0	0	418,000	560,000	0
Total Cost	20,147,000	0	0	0	1,802,000	8,004,000	8,407,000	1,934,000	0

Funding Sources:

Tax Supported Bond	7,939,000	0	0	0	1,466,000	2,935,000	3,245,000	293,000	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Schools	1,287,000	0	0	0	336,000	429,000	522,000	0	0
State Grant	10,921,000	0	0	0	0	4,640,000	4,640,000	1,641,000	0
Total Funding	20,147,000	0	0	0	1,802,000	8,004,000	8,407,000	1,934,000	0

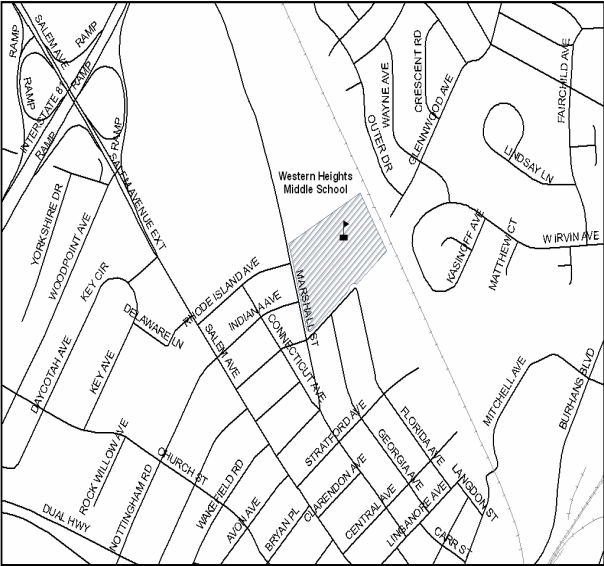
Project Title: Western Heights Middle School

Project Number: 1227

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$5,000



Description:

The project includes renovation of 113,970 square feet built in 1983 and an addition of 21,345 square feet for an expanded community gym, music, science, art and support programs.

Assumptions & Justifications:

The school is aging and in need of modernization.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Architect Fees	2,103,000	0	0	0	0	0	990,000	896,000	217,000
Construction	24,540,000	0	0	0	0	0	880,000	9,296,000	14,364,000
Equipment/Furniture	1,372,000	0	0	0	0	0	0	224,000	1,148,000
Total Cost	28,015,000	0	0	0	0	0	1,870,000	10,416,000	15,729,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	10,628,000	0	0	0	0	0	1,870,000	4,670,000	4,088,000
Excise Tax - Schools	1,950,000	0	0	0	0	0	0	600,000	1,350,000
State Grant	15,437,000	0	0	0	0	0	0	5,146,000	10,291,000
Total Funding	28,015,000	0	0	0	0	0	1,870,000	10,416,000	15,729,000

Project Title: Concepts for High School Capacity

Project Number: 1252

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project will provide for seat capacity at the high school level. Various ideas for programmatic opportunities are being studied that will lead to the creation of seat capacity to meet this need. These offerings could result in altering the use of the current building inventory, leasing space, construction of additions and modernization efforts on existing buildings, or the construction of a new building. Instructional and facilities staff will work over the coming years to develop various options, culminating in the development of a detailed plan that will address high school seat capacity and educational program needs while continuing to focus on fiscal realities.

Assumptions & Justifications:

Assumes State funding match at 50% of construction expenditures.

Enrollment projections for South Hagerstown, North Hagerstown, Smithsburg, Williamsport, and Boonsboro high schools indicate the need for seat capacity at the high school level.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Architect Fees	411,000	0	0	0	0	0	0	0	411,000
Construction	4,110,000	0	0	0	0	0	0	0	4,110,000
Total Cost	4,521,000	0	0	0	0	0	0	0	4,521,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	2,466,000	0	0	0	0	0	0	0	2,466,000
State Grant	2,055,000	0	0	0	0	0	0	0	2,055,000
Total Funding	4,521,000	0	0	0	0	0	0	0	4,521,000

Project Title: Concepts for Elementary Capacity

Project Number: 1253

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project will provide for increased elementary seat capacity. Various ideas are being explored to meet both seat capacity needs and the replacement or modernization of the aging elementary school infrastructure, while continuing to focus on fiscal realities. This planning effort could result in altering the use of the current building inventory, modernization and upgrades to existing buildings, or the construction of new buildings. Developments in increased pre-kindergarten educational needs will be considered. Instructional and facilities staff will work over the coming years to develop various options, culminating in the development of a detailed plan that will address both the seat capacity and modernization needs of the elementary schools while incorporating the latest techniques in educational delivery.

Assumptions & Justifications:

Assumes an overall State funding match of 50% of construction expenditures.

Future residential development is projected that will cause enrollments to grow in the southern and northern portions of Washington County, dictating the need for increased seat capacity.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Architect Fees	296,000	0	0	0	0	0	0	0	296,000
Construction	2,960,000	0	0	0	0	0	0	0	2,960,000
Total Cost	3,256,000	0	0	0	0	0	0	0	3,256,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,776,000	0	0	0	0	0	0	0	1,776,000
State Grant	1,480,000	0	0	0	0	0	0	0	1,480,000
Total Funding	3,256,000	0	0	0	0	0	0	0	3,256,000

**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
<u>Hagerstown Community College</u>										
124	Campus Operations Building	5,727,000	0	0	0	0	0	0	0	5,727,000
125	Student Center Expansion	12,199,800	855,800	5,087,000	6,257,000	0	0	0	0	0
126	Technology Center Renovation	7,832,000	0	0	0	0	0	0	0	7,832,000
127	Police, Fire and Emerg Svcs Training Facility	14,502,000	0	0	0	965,000	9,040,000	4,497,000	0	0
128	Central Utility Plant Upgrade	2,939,000	0	192,000	2,747,000	0	0	0	0	0
129	Teacher Education Center	3,812,000	0	0	0	0	0	0	196,000	3,616,000
	<b>Hagerstown Community College Total</b>	<b>47,011,800</b>	<b>855,800</b>	<b>5,279,000</b>	<b>9,004,000</b>	<b>965,000</b>	<b>9,040,000</b>	<b>4,497,000</b>	<b>196,000</b>	<b>17,175,000</b>
Funding Sources										
	Tax Supported Bond	14,915,100	463,100	1,303,000	2,423,000	343,000	2,659,000	1,596,000	70,000	6,058,000
	Transfer Tax	19,100	19,100	0	0	0	0	0	0	0
	State Grant	27,392,600	373,600	2,170,000	4,252,000	622,000	5,831,000	2,901,000	126,000	11,117,000
	Contributions	4,685,000	0	1,806,000	2,329,000	0	550,000	0	0	0
		<b>47,011,800</b>	<b>855,800</b>	<b>5,279,000</b>	<b>9,004,000</b>	<b>965,000</b>	<b>9,040,000</b>	<b>4,497,000</b>	<b>196,000</b>	<b>17,175,000</b>

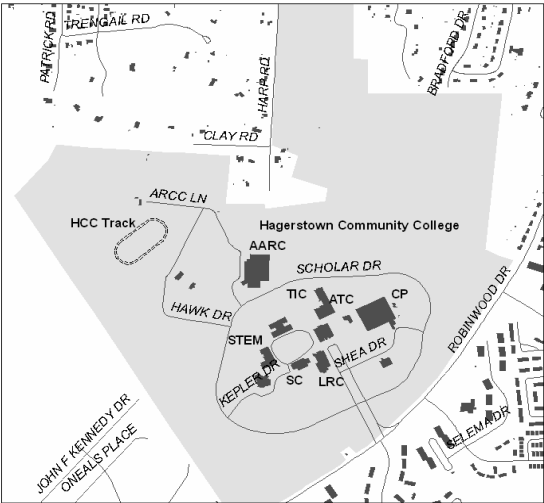
Project Title: Campus Operations Building

Project Number: 94

Account Number:

Projected Annual FTE's: 2

Projected Operating Costs: \$118,980



Description:

This project is new construction and will accommodate maintenance, garage and shop areas. The building will house other campus operations such as business and procurement services, as well as reprographic services and will include a central shipping and receiving area that does not currently exist.

Assumptions & Justifications:

State Share approximately 65%

These departments are currently housed in the Career Programs Building and Advanced Technology Center. The space they occupy is needed for additional instructional spaces including the possible development of a trades program. Centralization of these functions with a central shipping and receiving area will maximize efficiency and staff productivity.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	356,000	0	0	0	0	0	0	0	356,000
Construction	5,044,000	0	0	0	0	0	0	0	5,044,000
Equipment/Furniture	327,000	0	0	0	0	0	0	0	327,000
Total Cost	5,727,000	0	0	0	0	0	0	0	5,727,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	2,033,000	0	0	0	0	0	0	0	2,033,000
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	3,694,000	0	0	0	0	0	0	0	3,694,000
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	5,727,000	0	0	0	0	0	0	0	5,727,000

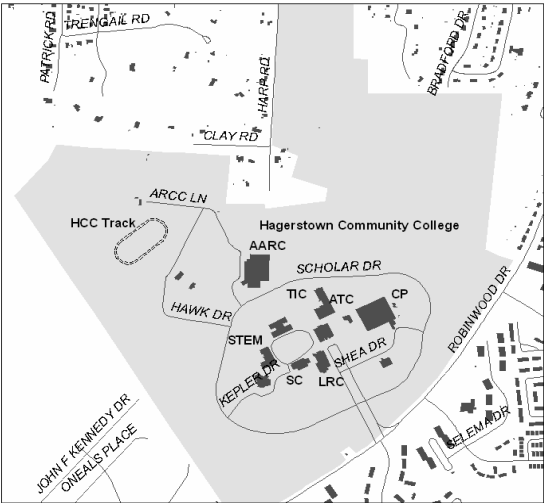
Project Title: Student Center Expansion

Project Number: 95

Account Number: COL019

Projected Annual FTE's: 2

Projected Operating Costs: \$89,150



Description:

The College/Student Center currently houses student service functions such as the campus store, food service, meeting space, student activities and student government. With the anticipated enrollment growth over the next several years, these spaces will need to be expanded to continue to provide basic services.

Assumptions & Justifications:

Overall Funding:

State: approximately 63%  
County: approximately 37%

Student enrollment has increased 68% since FY 02, when the building was first designated for student use. With the national and state initiatives related to retention and graduation, studies have shown that traditional aged students are retained when they have an environment conducive to social interaction and activities similar to four-year institutions.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	0	0	0	0	0	0	0	0	0
Architect Fees	855,800	855,800	0	0	0	0	0	0	0
Construction	10,174,000	0	5,087,000	5,087,000	0	0	0	0	0
Equipment/Furniture	1,170,000	0	0	1,170,000	0	0	0	0	0
Total Cost	12,199,800	855,800	5,087,000	6,257,000	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	3,146,100	463,100	1,235,000	1,448,000	0	0	0	0	0
Transfer Tax	19,100	19,100	0	0	0	0	0	0	0
State Grant	4,899,600	373,600	2,046,000	2,480,000	0	0	0	0	0
Contributions	4,135,000	0	1,806,000	2,329,000	0	0	0	0	0
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	12,199,800	855,800	5,087,000	6,257,000	0	0	0	0	0



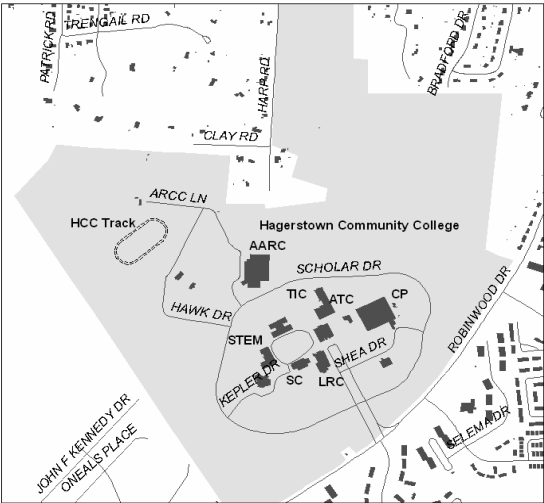
Project Title: Technology Center Renovation

Project Number: 953

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project will renovate the Advanced Technology Center (ATC). Following completion of the Campus Operations Building, the Facilities Department will relocate from the Advanced Technology Center, vacating approximately 3,360 SF. That space, as well as adjacent space would be renovated and reconfigured for use as offices, classrooms and labs. Work will include completely renovating the restrooms and upgrading the HVAC system; upgrading of the entrance lobby; reconfiguring the classroom core on the first floor of the building for more efficient layout and use; improving lighting; remodeling a lecture hall and the classrooms on the second floor of the building, and a general updating of interior finishes. Security will also be improved with the addition of secure room access and security cameras.

Assumptions & Justifications:

State Funding approximately 65%

This project will greatly improve the use and efficiency of the Technology Center, offering more and much improved classroom space in a more inviting atmosphere than currently exists. With the relocation of the Facility Department, that area will be available for a number of potential uses, ranging from art classes to industrial technology courses and computer courses. The campus will gain another wet lab in close proximity to the Allied Health programs located in the Career Programs Building, supplementing the demand for more science labs.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	493,000	0	0	0	0	0	0	0	493,000
Construction	6,643,000	0	0	0	0	0	0	0	6,643,000
Equipment/Furniture	696,000	0	0	0	0	0	0	0	696,000
Total Cost	7,832,000	0	0	0	0	0	0	0	7,832,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	2,741,000	0	0	0	0	0	0	0	2,741,000
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	5,091,000	0	0	0	0	0	0	0	5,091,000
Total Funding	7,832,000	0	0	0	0	0	0	0	7,832,000

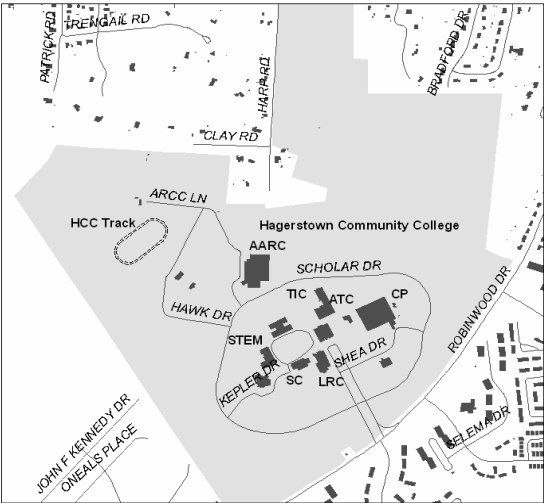
Project Title: Police, Fire and Emerg Svcs Training Facility

Project Number: 955

Account Number:

Projected Annual FTE's: 6

Projected Operating Costs: \$666,000



Description:

As the need for police, fire, and emergency services continues to grow, the need for a facility for training emergency personnel grows as well. Such a facility would be centralized to the area, easily accessible, and utilized by state, county and local police departments, correctional guards, and security guards. Classroom training for fire and emergency services departments, that predominantly takes place currently in local fire houses, would be held in this facility. This project would be a natural extension of similar training already offered at HCC, such as the Emergency Medical Technician and Administration of Justice programs.

This building will be constructed in 2 phases.

Assumptions & Justifications:

Estimated funding:  
State Funding approximately 65%  
County Funding approximately 35%

This facility will provide a needed local service to the large number of police, fire, correctional, and other emergency services personnel serving in and around Washington County, as well as provide training to people planning to enter those fields. As the area continues to grow, this will help meet the increasing demand for trained EMS personnel.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	965,000	0	0	0	965,000	0	0	0	0
Construction	12,111,000	0	0	0	0	8,219,000	3,892,000	0	0
Equipment/Furniture	1,426,000	0	0	0	0	821,000	605,000	0	0
Total Cost	14,502,000	0	0	0	965,000	9,040,000	4,497,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	4,598,000	0	0	0	343,000	2,659,000	1,596,000	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	9,354,000	0	0	0	622,000	5,831,000	2,901,000	0	0
Contributions	550,000	0	0	0	0	550,000	0	0	0
Total Funding	14,502,000	0	0	0	965,000	9,040,000	4,497,000	0	0

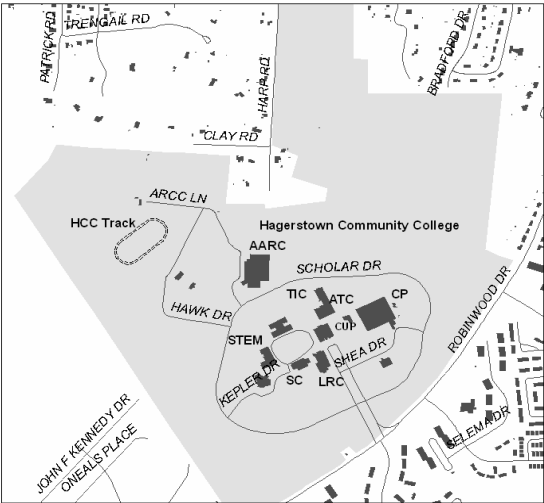
Project Title: Central Utility Plant Upgrade

Project Number: 1217

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project will upgrade/expand the Central Utility Plant to provide sufficient heating and cooling capacity to support existing facilities and planned new facilities such as the Police, Fire and Emergency Services Training Facility.

Assumptions & Justifications:

State share = 64.5%

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Architect Fees	192,000	0	192,000	0	0	0	0	0	0
Construction	2,747,000	0	0	2,747,000	0	0	0	0	0
Total Cost	2,939,000	0	192,000	2,747,000	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,043,000	0	68,000	975,000	0	0	0	0	0
State Grant	1,896,000	0	124,000	1,772,000	0	0	0	0	0
Total Funding	2,939,000	0	192,000	2,747,000	0	0	0	0	0

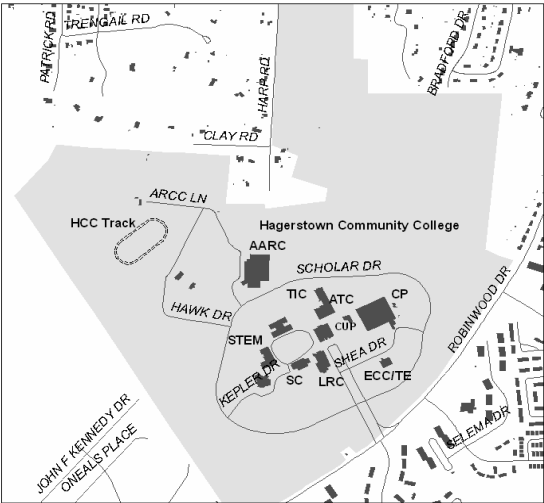
Project Title:       Teacher Education Center

Project Number:       1219

Account Number:

Projected Annual FTE's:       0.5

Projected Operating Costs:       \$25,000



Description:

The scope of the renovation project of the Robinwood Center is to completely renovate the existing structure to accommodate a Teachers Education Center and HCC's Daycare Center. This project will have to meet the state's accreditation standards for daycare. The aging building will need a new roof, asbestos and lead abatement, ADA improvements and new mechanical systems.

Assumptions & Justifications:

State Share approximately 65%

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Architect Fees	196,000	0	0	0	0	0	0	196,000	0
Construction	3,046,000	0	0	0	0	0	0	0	3,046,000
Equipment/Furniture	570,000	0	0	0	0	0	0	0	570,000
Total Cost	3,812,000	0	0	0	0	0	0	196,000	3,616,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,354,000	0	0	0	0	0	0	70,000	1,284,000
State Grant	2,458,000	0	0	0	0	0	0	126,000	2,332,000
Total Funding	3,812,000	0	0	0	0	0	0	196,000	3,616,000

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Washington County, Maryland

Capital Improvement 10yr Summary

Fiscal Year 2015 - 2024

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Public Libraries										
132	Hancock Public Library Replacement	3,630,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	3,314,000
Public Libraries Total		3,630,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	3,314,000
Funding Sources										
General Fund		69,100	68,100	0	0	0	0	0	0	1,000
Tax Supported Bond		1,170,000	0	0	0	0	0	0	0	1,170,000
Excise Tax - Library		129,900	6,900	7,000	8,000	10,000	12,000	14,000	15,000	57,000
State Grant		1,566,000	175,000	0	0	0	0	0	0	1,391,000
Contributions		695,000	0	0	0	0	0	0	0	695,000
		3,630,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	3,314,000

Project Title: Hancock Public Library Replacement

Project Number: 1120

Account Number: BLD077

Projected Annual FTE's: 1.5

Projected Operating Costs: \$55,625



Description:

This project will construct a 4,400 SF public library. The project includes demolition of the existing building and enhancements to the site including parking and SWM facility.

Assumptions & Justifications:

The estimated population served by the proposed facility is 4,358, with potential for an additional 6,000.

The existing structure is structurally and functionally deficient. The existing building experiences thermal and moisture protection problems. The building has no fire suppression system and has areas that are not in compliance with ADA requirements.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	414,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	98,000
Construction	2,727,000	0	0	0	0	0	0	0	2,727,000
Inspection	105,000	0	0	0	0	0	0	0	105,000
Equipment/Furniture	354,000	0	0	0	0	0	0	0	354,000
Utilities	30,000	0	0	0	0	0	0	0	30,000
Total Cost	3,630,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	3,314,000

Funding Sources:

General Fund	69,100	68,100	0	0	0	0	0	0	1,000
Tax Supported Bond	1,170,000	0	0	0	0	0	0	0	1,170,000
Excise Tax - Library	129,900	6,900	7,000	8,000	10,000	12,000	14,000	15,000	57,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	1,566,000	175,000	0	0	0	0	0	0	1,391,000
Contributions	695,000	0	0	0	0	0	0	0	695,000
Total Funding	3,630,000	250,000	7,000	8,000	10,000	12,000	14,000	15,000	3,314,000

**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	FY 2015	FY 2016	Ten Year Capital Program					Future
						FY 2017	FY 2018	FY 2019	FY 2020		
Project Costs											
General Government											
134	Contingency - General Fund	1,254,055	358,055	0	0	212,000	0	220,000	0	464,000	
135	Bond Issuance Costs	1,371,000	352,000	98,000	99,000	100,000	100,000	101,000	102,000	419,000	
136	Financial System Management & Upgrades	1,038,100	561,100	102,000	104,000	32,000	32,000	33,000	34,000	140,000	
137	General - Equipment and Vehicle Replacement Program	2,624,000	404,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000	
138	Systemic Improvements Buildings	2,545,000	325,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000	
139	County Admin Bldg Renovations	3,940,100	2,230,100	1,710,000	0	0	0	0	0	0	
140	Renovate Massey Shell Bldg - Balt. St.	1,007,000	0	0	0	0	426,000	581,000	0	0	
141	Information Systems Replacement Program	2,206,500	311,500	151,000	156,000	159,000	162,000	176,000	190,000	901,000	
142	Broadband Wireless Network Infrastructure	384,000	237,000	36,000	36,000	37,000	38,000	0	0	0	
143	Accela Software Upgrade	693,000	350,000	343,000	0	0	0	0	0	0	
General Government Total		17,062,755	5,128,755	2,848,000	811,000	964,000	1,190,000	1,551,000	774,000	3,796,000	
Funding Sources											
General Fund		8,413,255	1,216,255	298,000	687,000	864,000	664,000	635,000	672,000	3,377,000	
Tax Supported Bond		3,965,100	549,100	1,229,000	124,000	100,000	526,000	916,000	102,000	419,000	
Capital Reserve - General		4,105,400	3,363,400	742,000	0	0	0	0	0	0	
Federal Grant		579,000	0	579,000	0	0	0	0	0	0	
		17,062,755	5,128,755	2,848,000	811,000	964,000	1,190,000	1,551,000	774,000	3,796,000	



Project Title: Contingency - General Fund

Project Number: 1

Account Number: ADM002

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project serves as a reserve to provide for emergency or unanticipated expenditures for all categories.

Assumptions & Justifications:

Due to the inherent uncertainty in estimating capital project costs, it is the written policy of the County to maintain project contingency. It is also good management practice to increase the Contingency due to the increase of Capital Program requests and rising number of individual projects, as one project overrun or unanticipated project could use all available funds. In the event that the capital contingency accounts have excess funds, the annual appropriation for that purpose may be modified to reflect the source of funds as determined through the budget process.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Contingency	1,254,055	358,055	0	0	212,000	0	220,000	0	464,000
Other	0	0	0	0	0	0	0	0	0
Total Cost	1,254,055	358,055	0	0	212,000	0	220,000	0	464,000

Funding Sources:

General Fund	1,254,055	358,055	0	0	212,000	0	220,000	0	464,000
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	1,254,055	358,055	0	0	212,000	0	220,000	0	464,000

Project Title: Bond Issuance Costs

Project Number: 2

Account Number: ADM001

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project is for costs associated with the sale of bonds. The costs include fees for printing, financial advisor, bond counsel, discounts, and rating agency fees.

Assumptions & Justifications:

Bond issuance is required to finance the capital improvement plan.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Bond Issuance Expense	1,371,000	352,000	98,000	99,000	100,000	100,000	101,000	102,000	419,000
Other	0	0	0	0	0	0	0	0	0
Total Cost	1,371,000	352,000	98,000	99,000	100,000	100,000	101,000	102,000	419,000

Funding Sources:

General Fund	99,000	99,000	0	0	0	0	0	0	0
Tax Supported Bond	1,272,000	253,000	98,000	99,000	100,000	100,000	101,000	102,000	419,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	1,371,000	352,000	98,000	99,000	100,000	100,000	101,000	102,000	419,000

Project Title: Financial System Management & Upgrades

Project Number: 969

Account Number: COM019

Projected Annual FTE's: 0

Projected Operating Costs: \$10,000

Description:

Integrated financial system (general ledger, human resources, payroll, financials, purchasing, utility, and budget) is used for county-wide operations to process all financials, human resource, payroll, and purchasing functions for the County.

Assumptions & Justifications:

The county-wide billing system (taxes, utility, general billings) includes an upgrade of the current system and the addition of citizen self service features, installation of dashboard, multiple utility billing options and redesign of billing statements. The current utility billing system has no support function available.

New software installation and implementation solution for a time management system to allow for movement to a computerized timekeeping system vs current manual timesheet entry.

Includes an upgrade of existing capital improvement software to allow staff to customize reports without company or IT assistance. This upgrade will increase functionality. Support issues will arise with the current Microsoft SQL.

Human Resource system upgrade to allow continued support of product, utilization of e-services, and elimination of manual tracking of benefit cost requirements.

Current utility billing system developer does not exist anymore and support has been nonexistent. Replace current utility system with one uniform billing system with continued maintenance support and one that is also uniform with the Treasurer's office functions to avoid maintenance and training of three separate billing systems.

Accumulate funding for the addition of a time management system. This system would eliminate manual keypunch entry currently performed with payroll management related to the County. In addition the time management system would offer e-services as it relates to employee benefits. Insurance renewals, employee benefit information, check stubs, etc. can be accessed with the system. It would also provide options for the County in providing check services in the future.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Hardware/Software	1,038,100	561,100	102,000	104,000	32,000	32,000	33,000	34,000	140,000
Total Cost	1,038,100	561,100	102,000	104,000	32,000	32,000	33,000	34,000	140,000

Funding Sources:

General Fund	701,500	326,500	0	104,000	32,000	32,000	33,000	34,000	140,000
Capital Reserve - General	336,600	234,600	102,000	0	0	0	0	0	0
Total Funding	1,038,100	561,100	102,000	104,000	32,000	32,000	33,000	34,000	140,000

Project Title: General - Equipment and Vehicle Replacement

Project Number: 1174

Account Number: VEH008

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project will serve to replace heavy equipment and vehicles that are beyond their useful life, which are typically the most costly to maintain. In line with the objectives of a well-managed organization, the County wants to establish an equipment and fleet replacement program that will, in time, set the vehicle and equipment replacement cycle in line with best practices, minimizing operating and maintenance costs.

Assumptions & Justifications:

- Construction - 11630 - 3 Mid-size Compact 4x4 SUV - \$23,500 per vehicle
- Parks & Facilities - 11900 - 1 Ton Diesel 4X4 Dump Truck - \$70,000
- Parks & Facilities - 11900 - 1 3/4 Ton Cargo Van - \$19,000
- Parks & Facilities - 11900 - Billy Goat Debris Vacuum - \$10,000
- Other - \$ 34,500

The goal of the replacement program is to strike a balance for minimizing replacement costs versus maintenance and fuel costs. The program allows for the purchase of replacement vehicles and equipment used to provide County-wide services within Washington County. The County's equipment and vehicle inventory consists of approximately 2,300 items.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	12,500	12,500	0	0	0	0	0	0	0
Vehicles	2,611,500	391,500	204,000	208,000	212,000	216,000	220,000	224,000	936,000
Total Cost	2,624,000	404,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000

Funding Sources:

General Fund	2,020,300	4,300	0	208,000	212,000	216,000	220,000	224,000	936,000
Capital Reserve - General	603,700	399,700	204,000	0	0	0	0	0	0
Total Funding	2,624,000	404,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000

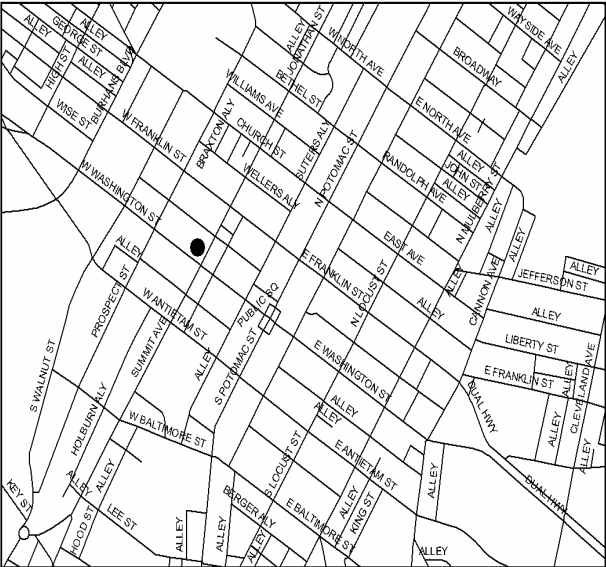
Project Title: Systemic Improvements-Buildings

Project Number: 1148

Account Number: BLD078

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project includes a variety of upgrades and/or replacements including, but not limited to, air conditioning, weatherproofing, roofing and other building improvements.

Assumptions & Justifications:

Pending general fund monies availability

Renovations are required to maintain the functionality of the buildings.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	2,545,000	325,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000
Total Cost	2,545,000	325,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000

Funding Sources:

General Fund	1,967,900	9,900	0	208,000	212,000	216,000	162,000	224,000	936,000
Tax Supported Bond	169,100	111,100	0	0	0	0	58,000	0	0
Capital Reserve - General	408,000	204,000	204,000	0	0	0	0	0	0
Total Funding	2,545,000	325,000	204,000	208,000	212,000	216,000	220,000	224,000	936,000

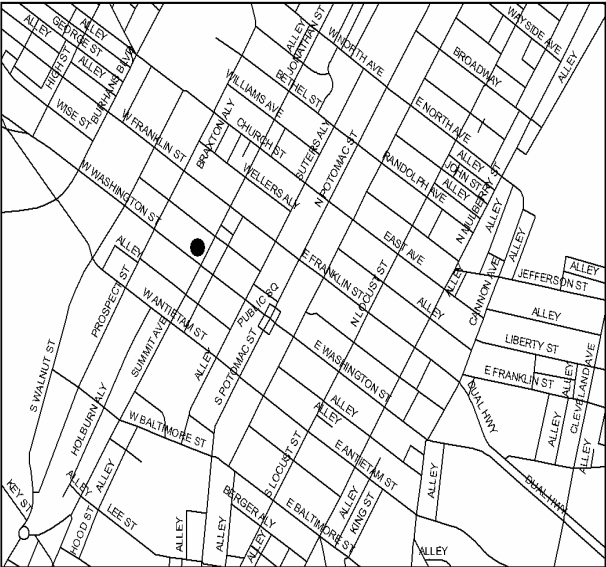
Project Title: County Admin Bldg Renovations

Project Number: 1164

Account Number: BLD070

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is for Renovations to the County Administration Building (1st and 2nd floors); primarily the first floor of 100 West Washington Street. The project includes first floor ADA improvements and a combined rear entrance to both 100 West Washington and 120 West Washington Street buildings.

Assumptions & Justifications:

A Community Development Block Grant in the amount of \$578,657 is available for construction of ADA improvements.

Commissioners' public meeting space often has insufficient capacity to accommodate citizen participation and attendance. Renovations would provide additional workroom and conference rooms and improved building security. Improved work flow, air quality, and comfort would also result through the replacement of aging systems. The spaces formerly occupied by banks at 100 West Washington and 120 West Washington Streets are currently vacant.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	248,000	185,000	63,000	0	0	0	0	0	0
Construction	3,098,000	1,734,000	1,364,000	0	0	0	0	0	0
Inspection	100,800	40,800	60,000	0	0	0	0	0	0
Equipment/Furniture	493,300	270,300	223,000	0	0	0	0	0	0
Total Cost	3,940,100	2,230,100	1,710,000	0	0	0	0	0	0

Funding Sources:

General Fund	20,000	20,000	0	0	0	0	0	0	0
Tax Supported Bond	1,316,000	185,000	1,131,000	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	2,025,100	2,025,100	0	0	0	0	0	0	0
Federal Grant	579,000	0	579,000	0	0	0	0	0	0
Total Funding	3,940,100	2,230,100	1,710,000	0	0	0	0	0	0

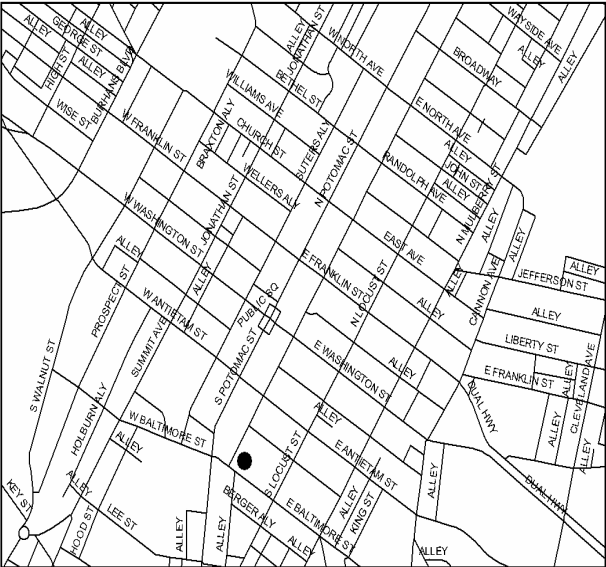
Project Title: Renovate Massey Shell Bldg - Balt. St.

Project Number: 1165

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$32,500



Description:

This project includes selective demolition and shell building renovation of existing former Massey Ford dealership building located on Baltimore Street at the central library parking area. The project will prepare the building for economic development reuse, sale or lease to private sector companies or use for public offices as may be needed.

Assumptions & Justifications:

Building ownership is retained by Washington County Government and no private sector company has solicited the County to acquire. The building has historical significance to the neighborhood and cannot be completely demolished.

The property was acquired by the County as part of the library renovation project in 2010. The building is in need of renovation as it is structurally and functionally inadequate for use and presents a safety hazard. The City of Hagerstown's Existing Structures Code will require the County to address the building condition.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	974,000	0	0	0	0	426,000	548,000	0	0
Inspection	33,000	0	0	0	0	0	33,000	0	0
Total Cost	1,007,000	0	0	0	0	426,000	581,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,007,000	0	0	0	0	426,000	581,000	0	0
Total Funding	1,007,000	0	0	0	0	426,000	581,000	0	0

Project Title: Information Systems Replacement Program

Project Number: 3

Account Number: COM011

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The Information System Replacement Program focuses on the investment in infrastructure hardware and software that provide the foundation on which the business and enterprise systems reside. The Information Technology area currently maintains 40 plus business applications and additionally includes the County's telecommunications (telephone) system.

Assumptions & Justifications:

The systems and software serve the departments and typically reach the end of their useful life-expectancy between 3 and 8 years, at which point the systems become increasingly costly to maintain and difficult to exchange information with other systems. Priorities for determining which applications to replace first are driven by age, criticality of the system to operations, and availability of ongoing support from the applications vendor.

The goal of the Information Systems Replacement Program is to keep the County's existing business systems refreshed or replaced on a reasonably expected system life-cycle so the systems remain useful, operable, and responsive to business needs.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Hardware/Software	2,206,500	311,500	151,000	156,000	159,000	162,000	176,000	190,000	901,000
Other	0	0	0	0	0	0	0	0	0
Total Cost	2,206,500	311,500	151,000	156,000	159,000	162,000	176,000	190,000	901,000

Funding Sources:

General Fund	1,729,500	161,500	0	156,000	159,000	162,000	0	190,000	901,000
Tax Supported Bond	176,000	0	0	0	0	0	176,000	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	301,000	150,000	151,000	0	0	0	0	0	0
Utility Fund	0	0	0	0	0	0	0	0	0
Total Funding	2,206,500	311,500	151,000	156,000	159,000	162,000	176,000	190,000	901,000



Project Title:           Broadband Wireless Network Infrastructure

Project Number:           984

Account Number:           COM021

Projected Annual FTE's:           0

Projected Operating Costs:           \$0

Description:

The Washington County Broadband Wireless Network Infrastructure System provides fixed broadband (high speed) primary and redundant connectivity for County facilities (i.e. WTP; WwTP, and Pump Station) to network services and a resilient and redundant pathway for the County's fiber network infrastructure. Additionally, this system is available to County divisions and departments and the Washington County Public Network (WCPN) partners that include such agencies as the Washington County Public Schools, Washington County Free Library, 911 Emergency Services, Sheriff's Department, City of Hagerstown Police Department and other City departments and agencies.

Assumptions & Justifications:

Wireless communication technology typically reach the end of their useful life-expectancy between 5 and 8 years, at which point the systems become increasingly costly to maintain and difficult to find acceptable replacement technology that meet or exceed bandwidth needs.

The goal of the Washington County Broadband Wireless Network Infrastructure System is to provide for the efficient and cost effective communication between the sixty (60) plus County Environmental Management facilities and to provide for a resilient and redundant pathway for the County's fiber network infrastructure.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	202,000	202,000	0	0	0	0	0	0	0
Hardware/Software	182,000	35,000	36,000	36,000	37,000	38,000	0	0	0
<b>Total Cost</b>	<b>384,000</b>	<b>237,000</b>	<b>36,000</b>	<b>36,000</b>	<b>37,000</b>	<b>38,000</b>	<b>0</b>	<b>0</b>	<b>0</b>

Funding Sources:

General Fund	350,000	237,000	27,000	11,000	37,000	38,000	0	0	0
Tax Supported Bond	25,000	0	0	25,000	0	0	0	0	0
Capital Reserve - General	9,000	0	9,000	0	0	0	0	0	0
<b>Total Funding</b>	<b>384,000</b>	<b>237,000</b>	<b>36,000</b>	<b>36,000</b>	<b>37,000</b>	<b>38,000</b>	<b>0</b>	<b>0</b>	<b>0</b>

Project Title:        Accela Software Upgrade

Project Number:        1117

Account Number:        COM025

Projected Annual FTE's:        0

Projected Operating Costs:        \$0

Description:

The County has been using Accela Permits Plus, a vendor providing permit and plan tracking application since 1991. This application is utilized by multiple County departments, divisions as well as other County agencies and jurisdictions to track various permits, plans for progress, compliance and approvals. This project encompasses replacing the vendor’s ten-year old Microsoft Windows client server based version to the vendor’s industry standard web-based Accela Automation platform. Also included in the project is an upgrade to the companion integrated voice response (IVR) system. Additionally, this system will provide 24/7 citizen access to Accela Automation services and information via telephone.

Assumptions & Justifications:

The vendor will waive the software upgrade license fees and the annual maintenance software costs will decrease. The majority of the project costs are for extensive data conversions which include consultant assistance to migrate and/or create scripts, work flow, and reporting, to provide administrator and end-user training, and Microsoft operating and database system software.

Migrating to the Accela Automation will provide a complete replacement solution for automating critical tasks associated with permitting, code enforcement, community development and planning, inspections and investigations, licensing and case management, asset and resource management. Accela Automation utilizes an open architecture and a centralized database that promotes data sharing across departments, divisions, jurisdictions and agencies and delivers a complete solution to automate workflow, forms management, activity tracking, cashiering, robust reporting, scripting, 24/7 citizen access via the Internet, improved mobile functionality for field personnel and geographic information systems (GIS) integration for parcel management.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Hardware/Software	693,000	350,000	343,000	0	0	0	0	0	0
<b>Total Cost</b>	<b>693,000</b>	<b>350,000</b>	<b>343,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Funding Sources:

General Fund	271,000	0	271,000	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	422,000	350,000	72,000	0	0	0	0	0	0
<b>Total Funding</b>	<b>693,000</b>	<b>350,000</b>	<b>343,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Parks & Recreation										
146	BR Capital Equipment Replacement Program	923,589	215,589	204,000	52,000	53,000	54,000	55,000	56,000	234,000
147	Kemps Mill Park	931,000	0	0	0	106,000	270,000	275,000	280,000	0
148	Tree Forestation	130,000	20,000	20,000	0	21,000	0	22,000	0	47,000
149	Chestnut Grove Park, Overlay Parking lot	40,000	0	0	0	40,000	0	0	0	0
150	Park Land Acquisition	202,000	100,000	102,000	0	0	0	0	0	0
151	Tennis Courts, Resurfacing	146,000	40,000	20,000	21,000	21,000	22,000	22,000	0	0
Parks & Recreation Total		2,372,589	375,589	346,000	73,000	241,000	346,000	374,000	336,000	281,000
Funding Sources										
	General Fund	669,639	126,639	121,000	36,000	71,000	57,000	74,000	52,000	132,000
	Tax Supported Bond	21,000	0	0	0	0	0	0	0	21,000
	Excise Tax - Other	285,900	14,900	15,000	18,000	20,000	26,000	32,000	32,000	128,000
	State Grant	1,296,050	134,050	210,000	19,000	150,000	263,000	268,000	252,000	0
	Contributions	100,000	100,000	0	0	0	0	0	0	0
		2,372,589	375,589	346,000	73,000	241,000	346,000	374,000	336,000	281,000

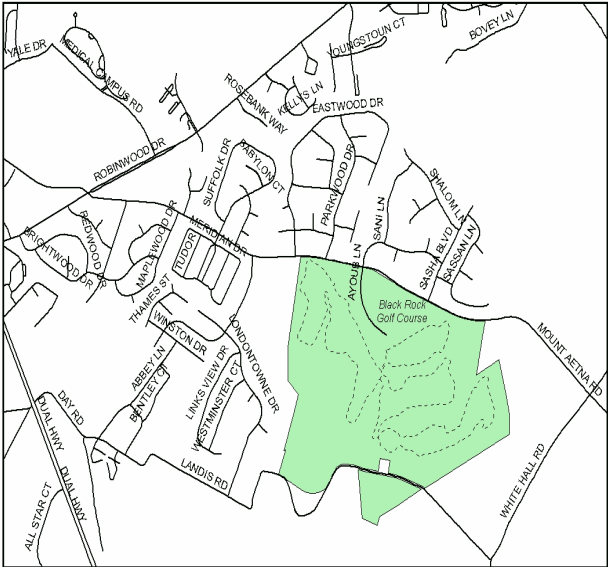
Project Title: BR Capital Equipment Replacement Program

Project Number: 935

Account Number: EQP053

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project will replace heavy equipment that is beyond its useful life and systemic replacement of other capital needs. The program allows for the purchase of replacement equipment used for services directly related to Black Rock Golf Course.

Assumptions & Justifications:

FY2015 Equipment replacement:  
2- 2003 Toro Green Master3100 Mowers w/ tee Reel  
1- 2003 Toro Green Master 3100 Mower  
The current equipment has accumulated 2592 hrs, 2522 hrs and 2,250 hrs respectively.  
Cart Paths:

Patching and overlay of 25,285 linear feet of 6' wide cart paths. This project is to be completed in 2 phases, phase #1 budgeted in FY14 to overlay and patch 12,715 linear feet and phase #2 budgeted in FY15 to overlay and patch 12,570 linear feet of cart path.

The goal of the replacement program is to balance replacement costs versus maintenance costs. In line with the objectives of a well-managed organization, Black Rock Golf Course strives to establish an equipment replacement program that will set the equipment replacement cycle in line with best practices, minimizing maintenance costs.The current cart paths have been in place 23 - 24 years and are cracked and breaking up due to damage from tree roots and the elements. Normal life span of paved surfaces is 20 years.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	821,589	215,589	102,000	52,000	53,000	54,000	55,000	56,000	234,000
Vehicles	102,000	0	102,000	0	0	0	0	0	0
Total Cost	923,589	215,589	204,000	52,000	53,000	54,000	55,000	56,000	234,000

Funding Sources:

General Fund	446,889	99,889	99,000	34,000	33,000	28,000	23,000	24,000	106,000
Excise Tax - Other	285,900	14,900	15,000	18,000	20,000	26,000	32,000	32,000	128,000
State Grant	190,800	100,800	90,000	0	0	0	0	0	0
Total Funding	923,589	215,589	204,000	52,000	53,000	54,000	55,000	56,000	234,000

Project Title:

Kemps Mill Park

Project Number:

1025

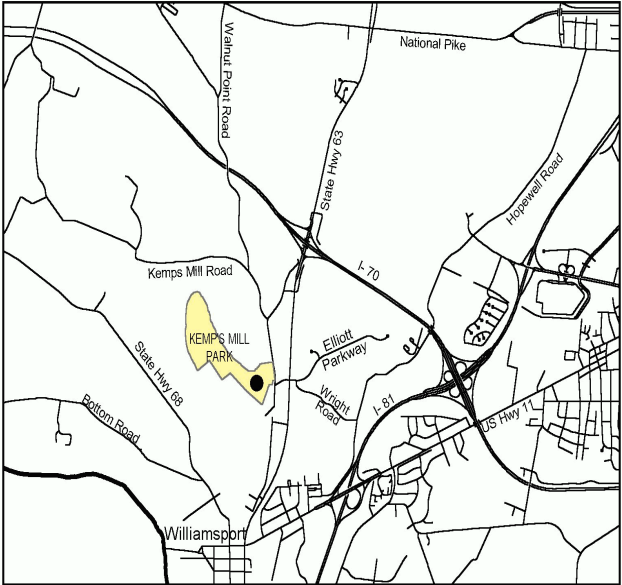
Account Number:

Projected Annual FTE's:

1

Projected Operating Costs:

\$19,500



Description:

The project consists of constructing additional softball fields, soccer fields, and developing primitive camp sites and a boat launch.

Assumptions & Justifications:

- Pending grant funding approval
- 90% State
- 10% Local

Due to the growth in the Williamsport area, additional athletic fields and recreational opportunities are needed. The 50 acres of land is part of the Rubble Landfill which has been closed for several years.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	106,000	0	0	0	106,000	0	0	0	0
Construction	825,000	0	0	0	0	270,000	275,000	280,000	0
Total Cost	931,000	0	0	0	106,000	270,000	275,000	280,000	0

Funding Sources:

General Fund	93,000	0	0	0	11,000	27,000	27,000	28,000	0
State Grant	838,000	0	0	0	95,000	243,000	248,000	252,000	0
Total Funding	931,000	0	0	0	106,000	270,000	275,000	280,000	0

Project Title: Tree Forestation

Project Number: 1126

Account Number: LDI043

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project will plant trees to construct forested areas to meet the Total Maximum Daily Load (TMDL) / Watershed Implementation Plan (WIP) requirements.

Assumptions & Justifications:

The project will be coordinated with the Soil Conservation District. Land is to be provided at no cost.

This project is requested to meet the regulatory requirements imposed by the EPA and MDE relating to the TMDL and NPDES permit.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	130,000	20,000	20,000	0	21,000	0	22,000	0	47,000
Total Cost	130,000	20,000	20,000	0	21,000	0	22,000	0	47,000

Funding Sources:

General Fund	109,000	20,000	20,000	0	21,000	0	22,000	0	26,000
Tax Supported Bond	21,000	0	0	0	0	0	0	0	21,000
Total Funding	130,000	20,000	20,000	0	21,000	0	22,000	0	47,000

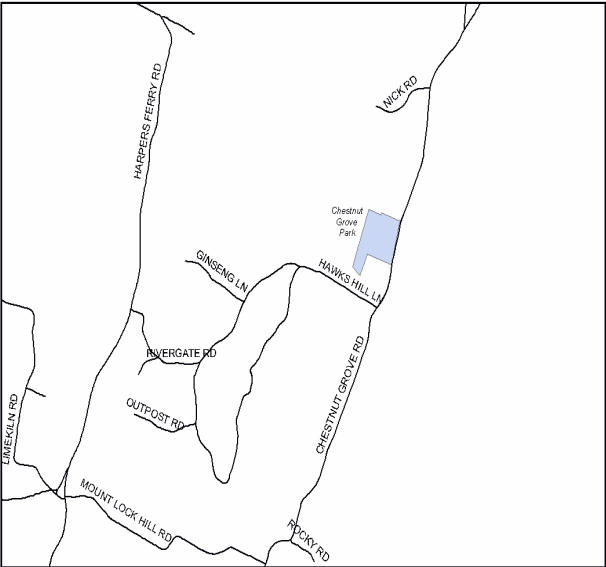
Project Title: Chestnut Grove Park, Overlay Parking lot

Project Number: 1150

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project consists of prep work, deep patching, and overlay of the existing parking lot and access road.

Assumptions & Justifications:

Pending POS Funding (at this time the State is hesitant to fund overlay projects)

The existing park entrance and parking lot was built around 1987 which makes the asphalt approximately 24 years old and is showing signs of degradation due to ultra violet effects and weather conditions.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	40,000	0	0	0	40,000	0	0	0	0
Total Cost	40,000	0	0	0	40,000	0	0	0	0

Funding Sources:

General Fund	4,000	0	0	0	4,000	0	0	0	0
State Grant	36,000	0	0	0	36,000	0	0	0	0
Total Funding	40,000	0	0	0	40,000	0	0	0	0



Project Title: Park Land Acquisition

Project Number: 1151

Account Number: REC033

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project is used to build funds to be utilized for future acquisition of additional park lands. The future purchases would include 3 or 4 acquisitions of property of about 40 to 80 acres each. This phase of the project would include acquisition of between 11 to 24 acres in the Sharpsburg Area near the Agricultural Education Center.

Assumptions & Justifications:

John Howard Trust Funds

Due to the increased need for additional park land in the Williamsport, Clearspring, Smithsburg and Hagerstown areas, we are requesting a project in the CIP to build up enough funds to enable the County to acquire additional lands for park use. Park Land Acquisition historically has been made due to opportunities that have presented themselves on fairly short notice. The County does not specifically target individual properties to negotiate for the sale of the land unless they are known to be willing sellers. With this project, the County can concentrate on negotiating with willing sellers in these areas and reduce the funding burden placed on the citizens. Future POS funding for acquisition will be limited and the County will not be able to "bank" POS funds for future use.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	202,000	100,000	102,000	0	0	0	0	0	0
Total Cost	202,000	100,000	102,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Excise Tax - Other	0	0	0	0	0	0	0	0	0
State Grant	102,000	0	102,000	0	0	0	0	0	0
Contributions	100,000	100,000	0	0	0	0	0	0	0
Total Funding	202,000	100,000	102,000	0	0	0	0	0	0

Project Title: Tennis Courts, Resurfacing

Project Number: 1177

Account Number: LDI046

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project consist of cleaning, crack sealing, repainting and striping of multiple courts over several years.

Assumptions & Justifications:

Pending POS approvals

Courts were rebuilt approximately 6 years ago and in need of resurfacing which should be done every 5 to 8 years to keep the elements from getting into the sub base and creating more damage.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	146,000	40,000	20,000	21,000	21,000	22,000	22,000	0	0
Total Cost	146,000	40,000	20,000	21,000	21,000	22,000	22,000	0	0

Funding Sources:

General Fund	16,750	6,750	2,000	2,000	2,000	2,000	2,000	0	0
State Grant	129,250	33,250	18,000	19,000	19,000	20,000	20,000	0	0
Total Funding	146,000	40,000	20,000	21,000	21,000	22,000	22,000	0	0

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**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

		Ten Year Capital Program								
Page	Project	Total	Prior Appr.	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Public Safety										
154	Replacement Emergency Services/9-1-1 Center	90,000	0	0	0	0	0	0	0	90,000
155	Backup Generator Emergency Shelter	179,000	0	179,000	0	0	0	0	0	0
156	Communication Tower(s) various locations	544,000	0	0	208,000	0	108,000	0	112,000	116,000
157	Detention Center Renovations	7,221,000	0	0	0	0	0	33,000	616,000	6,572,000
158	Emergency Svcs Equip & Vehicle Program	1,872,500	240,500	306,000	260,000	159,000	162,000	165,000	112,000	468,000
159	Law Enforcement - Fleet Replacement Program	5,376,600	936,600	408,000	416,000	424,000	432,000	440,000	448,000	1,872,000
Public Safety Total		15,283,100	1,177,100	893,000	884,000	583,000	702,000	638,000	1,288,000	9,118,000
Funding Sources										
General Fund		6,224,500	440,500	0	676,000	583,000	702,000	605,000	672,000	2,546,000
Tax Supported Bond		7,429,000	0	0	208,000	0	0	33,000	616,000	6,572,000
Capital Reserve - General		1,450,600	736,600	714,000	0	0	0	0	0	0
Federal Grant		179,000	0	179,000	0	0	0	0	0	0
		15,283,100	1,177,100	893,000	884,000	583,000	702,000	638,000	1,288,000	9,118,000

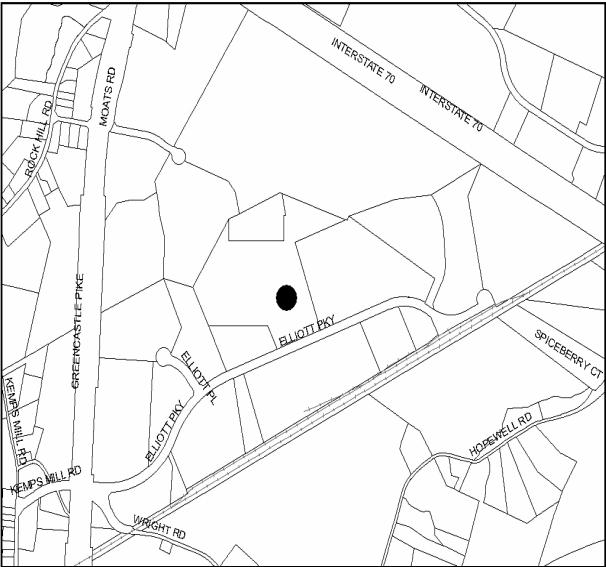
Project Title: Replacement Emergency Services/9-1-1 Center

Project Number: 1204

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$457,000



Description:

As the need for police, fire, and emergency services continue to grow, the need for a facility to adequately process, dispatch, and manage emergency personnel grows as well. The current ECC/9-1-1 center is configured to staff a maximum of 12 call takers/dispatchers. As of January 1, 2013 staffing levels will be at 9 County personnel, plus 1 Maryland State Police personnel. At the current rate of growth, preparations for either a renovation of the present facility or construction of a new facility must be considered. Along with ECC/9-1-1 operations, the Division's other functions will also expand over this time period, which includes Emergency Management and Fire/Rescue Operations. The County's Emergency Operations Center is also housed within the Division's facility.

Assumptions & Justifications:

Currently the State Emergency Numbers Board reimburses for costs associated with telephones systems, furniture, and generators. There are no State or Federal grant programs available to support this project, but the division will continue to seek funding opportunities.

This facility is identified as critical infrastructure for Washington County. To maintain the customarily high level of public safety service the citizens have come to expect, we must plan for future growth.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Planning	90,000	0	0	0	0	0	0	0	90,000
Engineering/Design	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Equipment/Furniture	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Total Cost	90,000	0	0	0	0	0	0	0	90,000

Funding Sources:

General Fund	90,000	0	0	0	0	0	0	0	90,000
Total Funding	90,000	0	0	0	0	0	0	0	90,000

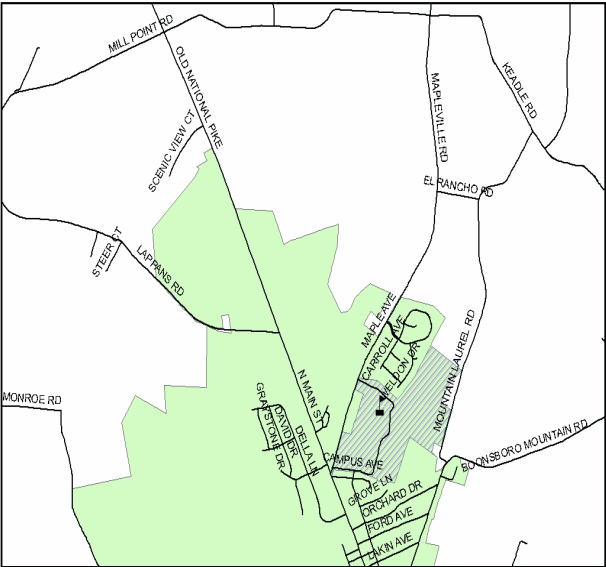
Project Title: Backup Generator Emergency Shelter

Project Number: 1243

Account Number: EQP050

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000



Description:

This project involves the installation of a backup generator for Boonsboro High School that will enable the school to provide emergency shelter.

Assumptions & Justifications:

This project assumes a FEMA grant based on preventative disaster funds.

The school has no back-up power in the event of an emergency.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	179,000	0	179,000	0	0	0	0	0	0
Total Cost	179,000	0	179,000	0	0	0	0	0	0

Funding Sources:

Federal Grant	179,000	0	179,000	0	0	0	0	0	0
Total Funding	179,000	0	179,000	0	0	0	0	0	0

Project Title:           Communication Tower(s) various locations

Project Number:           1166

Account Number:

Projected Annual FTE's:           0

Projected Operating Costs:           \$0

Description:

The project includes the construction of new and replacement of old public safety communication towers at various sites.

Assumptions & Justifications:

Towers will hold public safety communications equipment and County wireless broad band equipment.

Existing towers were constructed in the 1970's and are structurally and functionally inadequate.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	544,000	0	0	208,000	0	108,000	0	112,000	116,000
<b>Total Cost</b>	<b>544,000</b>	<b>0</b>	<b>0</b>	<b>208,000</b>	<b>0</b>	<b>108,000</b>	<b>0</b>	<b>112,000</b>	<b>116,000</b>

Funding Sources:

General Fund	336,000	0	0	0	0	108,000	0	112,000	116,000
Tax Supported Bond	208,000	0	0	208,000	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
<b>Total Funding</b>	<b>544,000</b>	<b>0</b>	<b>0</b>	<b>208,000</b>	<b>0</b>	<b>108,000</b>	<b>0</b>	<b>112,000</b>	<b>116,000</b>

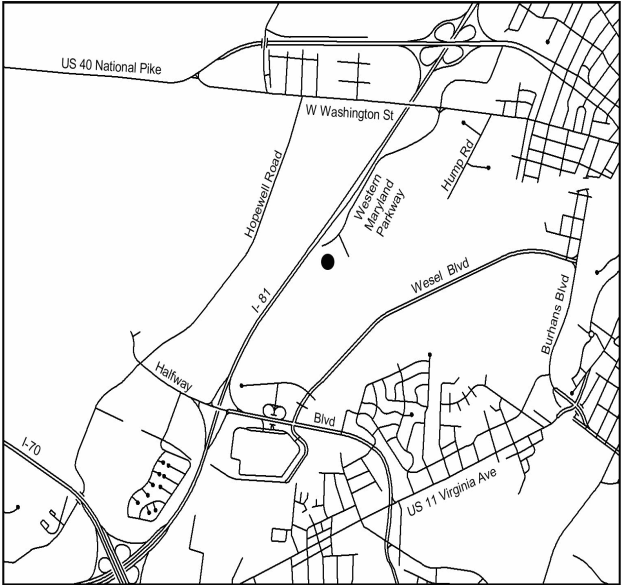
Project Title: Detention Center Renovations

Project Number: 1094

Account Number:

Projected Annual FTE's: 4

Projected Operating Costs: \$177,045



Description:

There is a need to renovate all existing housing units in the Detention Center. In addition, modifications are needed to enlarge the Booking and Medical areas of the Detention Center because of the additional inmate population by the addition of an H POD Housing Unit. The security and continued operation of the facility as a jail will depend upon the renovation and upgrade of the facility as proposed in this project.

Assumptions & Justifications:

Due to the extent of project costs, funds are being accumulated for a construction contract award.

The existing Detention Center will be 29 years old at the start time of this project. There are numerous security hardware changes and upgrades in equipment that will be needed in order to continue to operate as a correctional facility. There will be a need to renovate each cell and housing unit to include security doors, lighting, bunks, shower facilities, control centers, etc.to bring these areas into compliance with today's correctional standards. The jail has been involved in litigation from suicides and injuries that have occurred because inmates have taken advantage of facility issues that are no longer in compliance with today's correctional standards. There have been other court rulings, regulations, and laws that have impacted the Detention Center that require additional security to ensure compliance. One example is the Prison Rape Elimination Act which requires the Detention Center be audited and actions taken if non-compliant. This project will require the upgrade of all security controls, lighting, cameras, plumbing, replacement of the roof and HVAC units. There is a need to enlarge our medical department, food services, booking and laundry facilities. Some of the gym space will need recaptured in order to allow for the best utilization of space within the facility. The total square footage for the various areas is estimated to be 29,000 SF.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	649,000	0	0	0	0	0	33,000	616,000	0
Construction	4,334,000	0	0	0	0	0	0	0	4,334,000
Inspection	468,000	0	0	0	0	0	0	0	468,000
Equipment/Furniture	1,770,000	0	0	0	0	0	0	0	1,770,000
Total Cost	7,221,000	0	0	0	0	0	33,000	616,000	6,572,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	7,221,000	0	0	0	0	0	33,000	616,000	6,572,000
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	7,221,000	0	0	0	0	0	33,000	616,000	6,572,000



Project Title:       Emergency Svcs Equip & Vehicle Program

Project Number:       1214

Account Number:       VEH009

Projected Annual FTE's:       0

Projected Operating Costs:       \$0

Description:

The project is a capital equipment program for County Emergency Services departments. The Program is a systematic replacement and acquisition of emergency equipment and or vehicles. Funding is dependent on availability, age and need of requested equipment, etc.

Assumptions & Justifications:

Scheduled replacement 2015:  
Air Unit compressor system capable of filling SCBA bottles in the 6,000 PSI range. The national trend is moving towards a 6,000 PSI range. By not upgrading compressor capacity, the Air Unit would not be able to refill bottles to their capacity.  
Scheduled Replacement in 2016-2017:  
HAZMAT Unit

Emergency services equipment and capital vehicle program is designed to graduate funding over a period of time, reduce maintenance cost and operational downtime due to age, mileage, and repair costs versus book values.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Vehicles	1,872,500	240,500	306,000	260,000	159,000	162,000	165,000	112,000	468,000
Total Cost	1,872,500	240,500	306,000	260,000	159,000	162,000	165,000	112,000	468,000

Funding Sources:

General Fund	1,366,500	40,500	0	260,000	159,000	162,000	165,000	112,000	468,000
Capital Reserve - General	506,000	200,000	306,000	0	0	0	0	0	0
Total Funding	1,872,500	240,500	306,000	260,000	159,000	162,000	165,000	112,000	468,000

Project Title: Law Enforcement - Fleet Replacement Program

Project Number: 1118

Account Number: VEH006

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project is for the replacement of public safety fleet inventory.

Assumptions & Justifications:

The Sheriff's operations has approximately 136 vehicles maintained by it's fleet maintenance department. A vehicle replacement program has been implemented and designed to reduce maintenance and operational downtime due to vehicle age, mileage, and repair cost versus book value.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Vehicles	5,376,600	936,600	408,000	416,000	424,000	432,000	440,000	448,000	1,872,000
Total Cost	5,376,600	936,600	408,000	416,000	424,000	432,000	440,000	448,000	1,872,000

Funding Sources:

General Fund	4,432,000	400,000	0	416,000	424,000	432,000	440,000	448,000	1,872,000
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	944,600	536,600	408,000	0	0	0	0	0	0
Total Funding	5,376,600	936,600	408,000	416,000	424,000	432,000	440,000	448,000	1,872,000

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Washington County, Maryland

Capital Improvement 10yr Summary

Fiscal Year 2015 - 2024

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
<u>Railroad Crossings</u>										
162	Railroad Crossing Improvements	1,608,000	134,000	273,000	0	284,000	0	295,000	0	622,000
Railroad Crossings Total		1,608,000	134,000	273,000	0	284,000	0	295,000	0	622,000
Funding Sources										
General Fund		801,000	134,000	0	0	45,000	0	0	0	622,000
Tax Supported Bond		534,000	0	0	0	239,000	0	295,000	0	0
Capital Reserve - General		273,000	0	273,000	0	0	0	0	0	0
		1,608,000	134,000	273,000	0	284,000	0	295,000	0	622,000

Project Title: Railroad Crossing Improvements

Project Number: 1140

Account Number: RRX003

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project will provide crossing improvements based on a priority ranking of all crossings in the County. Improvements will include flattening the approach roadway grades and improving the alignment, installing signs and pavement markings, improving sight distance by removing trees/brush/rock outcroppings, and utility relocations.

Assumptions & Justifications:

The railroad study utilizes methodologies set forth in the Railroad Highway Grade Crossing Handbook published by the Federal Railroad Administration (FRA). In addition to analyzing each intersection for potential collision and sight distance hazards, other factors such as accident records, development potential in the area surrounding the crossing, number of school buses, and the overall condition of the crossing and the surrounding pavement will be taken into account in assessing the need for improvements to the crossing. The first phase of the work will involve installing passive warning devices (signs and pavement markings) to be in compliance with the Manual on Uniform Traffic Control Devices (MUTCD) and FRA. The second phase of work will involve providing road improvements. Some crossings may require installation of active warning devices (flashing lights, automatic gates, etc.). These improvements will be coordinated with the railroad companies.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	112,000	112,000	0	0	0	0	0	0	0
Construction	1,276,000	0	273,000	0	284,000	0	295,000	0	424,000
Inspection	198,000	0	0	0	0	0	0	0	198,000
Utilities	22,000	22,000	0	0	0	0	0	0	0
Total Cost	1,608,000	134,000	273,000	0	284,000	0	295,000	0	622,000

Funding Sources:

General Fund	801,000	134,000	0	0	45,000	0	0	0	622,000
Tax Supported Bond	534,000	0	0	0	239,000	0	295,000	0	0
Capital Reserve - General	273,000	0	273,000	0	0	0	0	0	0
Total Funding	1,608,000	134,000	273,000	0	284,000	0	295,000	0	622,000

**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Road Improvement										
165	Pavement Maintenance and Rehab Program	63,556,160	17,211,160	4,259,000	4,342,000	4,426,000	4,509,000	4,593,000	4,676,000	19,540,000
166	Longmeadow Road	588,000	60,000	0	0	0	0	0	0	528,000
167	Eastern Boulevard Extended	9,917,250	285,250	0	0	0	0	0	0	9,632,000
168	Southern Boulevard I	8,917,100	6,023,100	918,000	1,976,000	0	0	0	0	0
169	E. Oak Ridge Drive/South Pointe Signal	349,000	0	0	0	0	0	0	117,000	232,000
170	Eastern Boulevard Widening Phase I	8,253,100	7,743,100	510,000	0	0	0	0	0	0
171	Eastern Boulevard Widening Phase II	7,312,300	641,300	195,000	0	3,342,000	3,134,000	0	0	0
172	Wagaman Road Realignment	1,020,000	0	0	0	0	0	0	0	1,020,000
173	Transportation ADA	1,625,200	759,200	77,000	87,000	88,000	87,000	87,000	87,000	353,000
174	Eastern Blvd. at Antietam Dr Improvements	3,358,000	502,000	0	1,414,000	1,442,000	0	0	0	0
175	Yale Drive Extended - Phase II	3,471,640	2,757,640	714,000	0	0	0	0	0	0
176	Professional Boulevard Extended - Phase II	6,962,500	1,434,500	0	0	0	0	0	2,222,000	3,306,000
177	Professional Boulevard Extended - Ph I/Bridge over Antietam Creek	9,913,000	125,000	1,397,000	260,000	1,484,000	1,776,000	2,317,000	2,554,000	0
178	Yale Drive Extended - Phase I	6,237,360	5,523,360	714,000	0	0	0	0	0	0
179	MD Rt 144 and Western MD Pkwy Roundabout	1,026,000	0	20,000	468,000	538,000	0	0	0	0
180	Mt Aetna Road Spot Improvements	420,000	0	0	0	0	0	0	0	420,000
181	Meadow View Dr and Oak Hill Ave Roundabout	520,000	0	0	0	0	0	0	0	520,000
182	Valley Mall Road Improvements	423,700	86,700	337,000	0	0	0	0	0	0
183	Valley Mall Area Road Improvements Phase II	1,015,000	0	220,000	0	795,000	0	0	0	0
184	Battery Backup Op for Signalized Intersections	278,000	60,000	0	218,000	0	0	0	0	0
185	Colonial Park East Subdivision Traffic Calming	355,000	168,000	31,000	156,000	0	0	0	0	0
186	Medical Campus Road Signal	440,000	0	0	0	440,000	0	0	0	0
187	Marsh Pike Sidewalk Extension	506,000	0	506,000	0	0	0	0	0	0
188	Highway Central Section - New Facility	2,220,000	0	204,000	208,000	212,000	216,000	220,000	224,000	936,000
189	HWY Equip and Vehicle Replacement Program	7,363,500	1,323,500	1,000,000	520,000	530,000	540,000	550,000	560,000	2,340,000
190	Highway Maintenance Shop - Western Section	386,000	0	51,000	104,000	91,000	140,000	0	0	0
191	HWY Western Section - Fuel Tank Replacement	907,000	0	0	0	0	0	0	907,000	0
Road Improvement Total		147,340,810	44,703,810	11,153,000	9,753,000	13,388,000	10,402,000	7,767,000	11,347,000	38,827,000

**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Funding Sources										
	General Fund	16,022,503	8,666,503	1,176,000	665,000	680,000	693,000	620,000	721,000	2,801,000
	Highway Fund	2,300,000	800,000	150,000	150,000	150,000	150,000	150,000	150,000	600,000
	Hotel Rental Fund	1,600,000	0	337,000	0	440,000	276,000	258,000	289,000	0
	Tax Supported Bond	86,302,483	21,409,483	3,898,000	7,180,000	9,689,000	5,904,000	4,634,000	7,982,000	25,606,000
	Transfer Tax	15,750,000	1,250,000	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	7,000,000
	Excise Tax - Roads	1,663,320	430,320	69,000	81,000	94,000	119,000	145,000	145,000	580,000
	Excise Tax - Non-Residential	5,437,905	787,905	210,000	260,000	360,000	460,000	560,000	560,000	2,240,000
	APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
	Capital Reserve - General	8,999,220	6,312,220	2,687,000	0	0	0	0	0	0
	Federal Grant	4,370,980	4,370,980	0	0	0	0	0	0	0
	State Grant	4,218,300	592,300	1,626,000	0	500,000	1,500,000	0	0	0
	Contributions	592,000	0	0	317,000	275,000	0	0	0	0
		147,340,810	44,703,810	11,153,000	9,753,000	13,388,000	10,402,000	7,767,000	11,347,000	38,827,000

Project Title: Pavement Maintenance and Rehab Program

Project Number: 13

Account Number: RDI024

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project includes the modification of county-wide pavement maintenance program targeting rehabilitation of county highway pavement, as required. Techniques may include but not be limited to road reclamation, bituminous concrete overlay, crack sealing, and surface treatment. Individual projects will be determined on an annual basis consistent with the County's overall Pavement Management Program.

Assumptions & Justifications:

Financial and engineering analysis has determined that at least an \$8M per year investment is necessary to keep up with pavement deterioration.

The project is needed to launch an aggressive overall highway pavement rehabilitation program to address major pavement deficiencies throughout our existing highway system. This program will result in longer service life of our pavements and improved service using the most cost effective treatment at the appropriate time.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	61,080,860	16,680,860	4,080,000	4,160,000	4,240,000	4,320,000	4,400,000	4,480,000	18,720,000
Inspection	2,475,300	530,300	179,000	182,000	186,000	189,000	193,000	196,000	820,000
Total Cost	63,556,160	17,211,160	4,259,000	4,342,000	4,426,000	4,509,000	4,593,000	4,676,000	19,540,000

Funding Sources:

General Fund	2,403,940	1,601,940	802,000	0	0	0	0	0	0
Tax Supported Bond	32,483,301	8,956,301	545,000	2,901,000	2,772,000	2,630,000	2,488,000	2,471,000	9,720,000
Transfer Tax	15,500,000	1,000,000	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	7,000,000
Excise Tax - Roads	1,301,700	68,700	69,000	81,000	94,000	119,000	145,000	145,000	580,000
Excise Tax - Non-Residential	4,860,000	210,000	210,000	260,000	360,000	460,000	560,000	560,000	2,240,000
APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
Capital Reserve - General	6,923,120	5,290,120	1,633,000	0	0	0	0	0	0
Total Funding	63,556,160	17,211,160	4,259,000	4,342,000	4,426,000	4,509,000	4,593,000	4,676,000	19,540,000



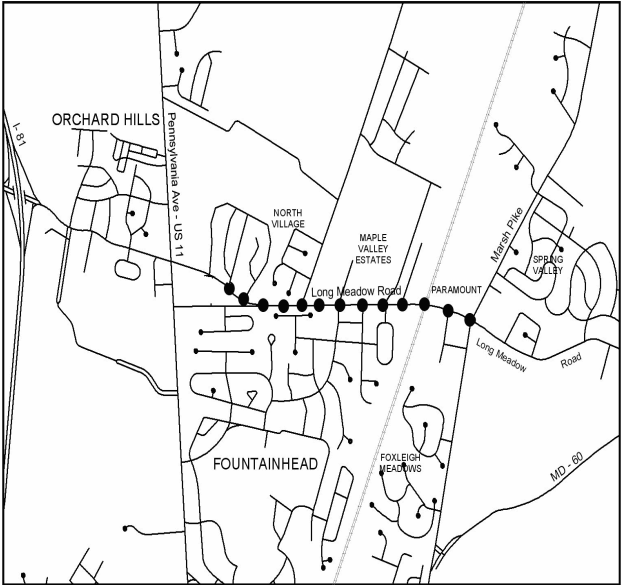
Project Title:Longmeadow Road

Project Number:20

Account Number:RDI037

Projected Annual FTE's:0

Projected Operating Costs:\$3,600



Description:

The project will provide capacity and safety enhancement to Longmeadow Road between Halifax Drive and Marsh Pike. The project includes widening Longmeadow Road to a three lane roadway and the construction of a traffic signal at the intersection with Paradise Church Road and/or Halifax Drive if warranted. The roadway will be a combination of open and closed section roadway with one lane in each direction and a continuous center left turn lane.

Assumptions & Justifications:

County funding is shown, however, private developer contributions will be sought for the signals if a private developer project is initiated in the area.

Current traffic volume on Longmeadow Road exceeds 12,000 vehicles per day, and is anticipated to continue to climb based on development. The roadway and intersections operate at unacceptable levels of service.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Planning	68,000	20,000	0	0	0	0	0	0	48,000
Engineering/Design	520,000	40,000	0	0	0	0	0	0	480,000
Land Acquisition	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Equipment/Furniture	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Utility relocation	0	0	0	0	0	0	0	0	0
Total Cost	588,000	60,000	0	0	0	0	0	0	528,000

Funding Sources:

General Fund	60,000	60,000	0	0	0	0	0	0	0
Tax Supported Bond	528,000	0	0	0	0	0	0	0	528,000
Excise Tax - Roads	0	0	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
APFO Fees - Roads	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	588,000	60,000	0	0	0	0	0	0	528,000

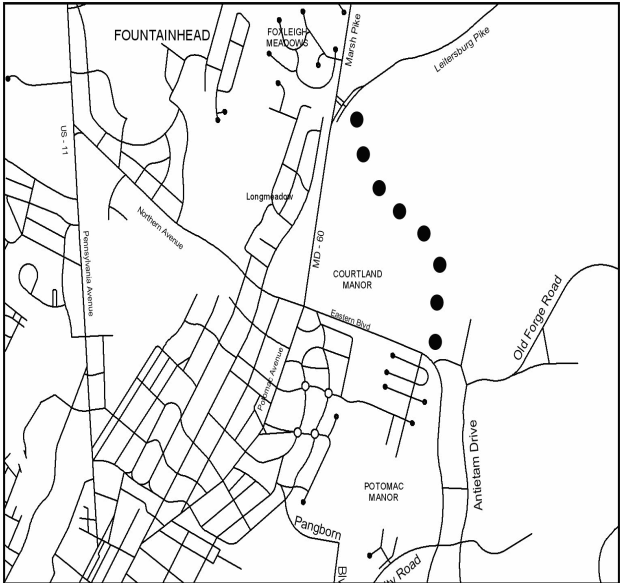
Project Title: Eastern Boulevard Extended

Project Number: 21

Account Number: RDI039

Projected Annual FTE's: 0

Projected Operating Costs: \$3,960



Description:

The project will create a new roadway connecting Eastern Boulevard at Antietam Drive to Leatersburg Pike at Marsh Pike. The road is approximately 6,400' in length. A major intersection improvement is included at MD 60/Marsh Pike with a traffic signal or roundabout. The project includes a bridge structure.

Assumptions & Justifications:

The majority of the right-of-way is donated. The project assumes remaining lands necessary can be obtained within budgeted values. The project assumes an open section roadway with a right-of-way for a four lane road. SHA will require significant road widening along MD 60.

The project will relieve Eastern Blvd at Leatersburg Pike intersection congestion. The project provides significant enhancement to the transportation network increasing capacity, improving safety and providing access to developable land including a parcel planned for a future County park.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	566,250	110,250	0	0	0	0	0	0	456,000
Land Acquisition	435,000	150,000	0	0	0	0	0	0	285,000
Construction	8,225,000	25,000	0	0	0	0	0	0	8,200,000
Inspection	396,000	0	0	0	0	0	0	0	396,000
Utilities	295,000	0	0	0	0	0	0	0	295,000
Total Cost	9,917,250	285,250	0	0	0	0	0	0	9,632,000

Funding Sources:

General Fund	80,000	80,000	0	0	0	0	0	0	0
Tax Supported Bond	9,742,250	110,250	0	0	0	0	0	0	9,632,000
Excise Tax - Roads	0	0	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Federal Grant	95,000	95,000	0	0	0	0	0	0	0
Total Funding	9,917,250	285,250	0	0	0	0	0	0	9,632,000

Project Title:

Southern Boulevard I

Project Number:

26

Account Number:

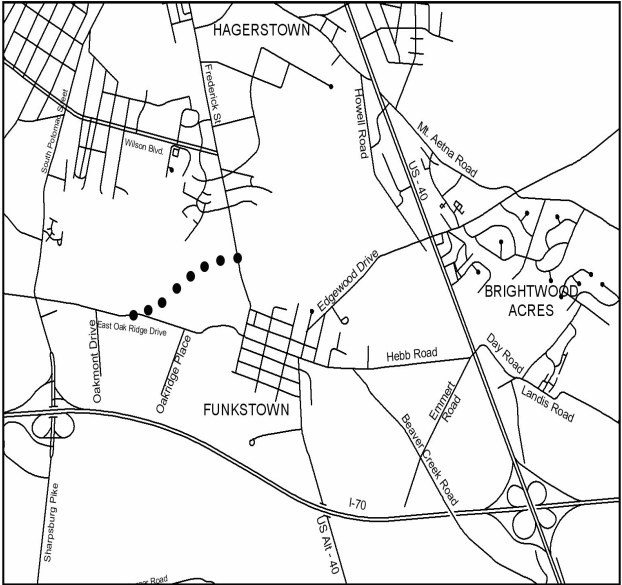
RDI040

Projected Annual FTE's:

0

Projected Operating Costs:

\$2,520



Description:

The project involves the construction of Southern Boulevard between East Oak Ridge Drive near South Pointe Drive to Frederick Street (US 40A). The project includes construction of a four lane divided open section roadway and new intersections at each extent of the project, a roundabout at Frederick Street and a roundabout at East Oak Ridge Drive.

Assumptions & Justifications:

No new water and/or sewer network is included in this cost estimate.

The project is needed to provide congestion relief through Funkstown and will help accommodate increased traffic volumes from ongoing development in this area. The project will enhance the transportation system and improve safety. The project is part of the overall county-wide transportation plan.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Planning	20,000	20,000	0	0	0	0	0	0	0
Engineering/Design	393,000	393,000	0	0	0	0	0	0	0
Land Acquisition	1,111,000	1,111,000	0	0	0	0	0	0	0
Construction	7,054,500	4,160,500	918,000	1,976,000	0	0	0	0	0
Inspection	134,600	134,600	0	0	0	0	0	0	0
Utilities	204,000	204,000	0	0	0	0	0	0	0
Total Cost	8,917,100	6,023,100	918,000	1,976,000	0	0	0	0	0

Funding Sources:

General Fund	3,201,100	3,201,100	0	0	0	0	0	0	0
Tax Supported Bond	5,171,900	2,277,900	918,000	1,976,000	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Roads	0	0	0	0	0	0	0	0	0
Capital Reserve - General	544,100	544,100	0	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	8,917,100	6,023,100	918,000	1,976,000	0	0	0	0	0

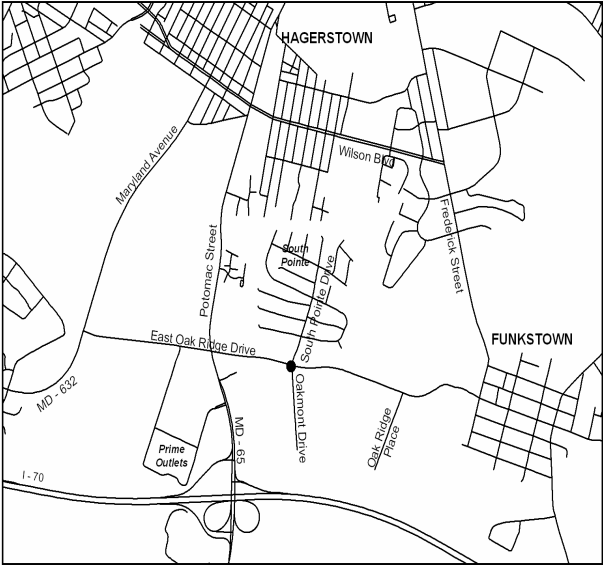
Project Title: E. Oak Ridge Drive/South Pointe Signal

Project Number: 964

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000



Description:

This project will construct a traffic signal at the intersection of E. Oak Ridge Drive and South Pointe Drive/Oakmont Drive.

Assumptions & Justifications:

Traffic volume increases in this area are making turning movements at this location more difficult and potentially unsafe. Once volumes warrant the signal, safety and traffic flow will be improved.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	39,000	0	0	0	0	0	0	39,000	0
Land Acquisition	22,000	0	0	0	0	0	0	22,000	0
Construction	203,000	0	0	0	0	0	0	0	203,000
Inspection	29,000	0	0	0	0	0	0	0	29,000
Utilities	56,000	0	0	0	0	0	0	56,000	0
Total Cost	349,000	0	0	0	0	0	0	117,000	232,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	349,000	0	0	0	0	0	0	117,000	232,000
Total Funding	349,000	0	0	0	0	0	0	117,000	232,000

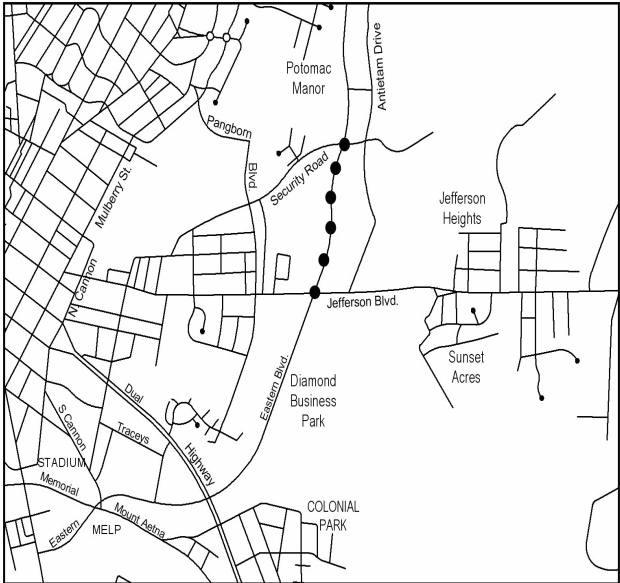
Project Title: Eastern Boulevard Widening Phase I

Project Number: 970

Account Number: RDI042

Projected Annual FTE's: 0

Projected Operating Costs: \$2,900



Description:

This project will widen Eastern Boulevard from MD Rt 64 (Jefferson Boulevard) to Security Road from the existing 2-lane roadway to a 4-lane divided roadway. This project includes drainage improvements and traffic signal modifications.

Assumptions & Justifications:

Existing traffic volumes on Eastern Boulevard exceed capacity and land development activity is anticipated in the area. Regional growth in the greater Hagerstown area will cause traffic volumes to increase.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	353,500	353,500	0	0	0	0	0	0	0
Land Acquisition	1,420,000	1,114,000	306,000	0	0	0	0	0	0
Construction	5,377,000	5,173,000	204,000	0	0	0	0	0	0
Inspection	262,600	262,600	0	0	0	0	0	0	0
Utilities	840,000	840,000	0	0	0	0	0	0	0
Total Cost	8,253,100	7,743,100	510,000	0	0	0	0	0	0

Funding Sources:

General Fund	731,063	731,063	0	0	0	0	0	0	0
Tax Supported Bond	6,726,832	6,216,832	510,000	0	0	0	0	0	0
Excise Tax - Roads	217,300	217,300	0	0	0	0	0	0	0
Excise Tax - Non-Residential	577,905	577,905	0	0	0	0	0	0	0
Total Funding	8,253,100	7,743,100	510,000	0	0	0	0	0	0

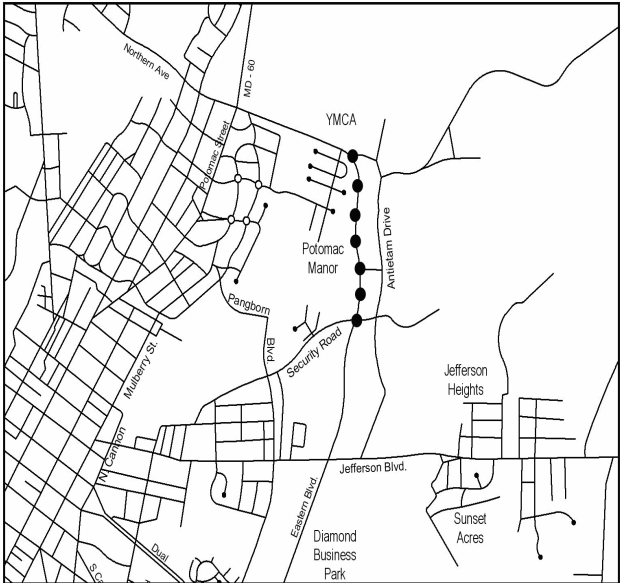
Project Title: Eastern Boulevard Widening Phase II

Project Number: 972

Account Number: RDI044

Projected Annual FTE's: 0

Projected Operating Costs: \$2,160



Description:

The project serves to rehabilitate and widen Eastern Boulevard from Security Road to Antietam Drive from the existing 2-lane roadway to a 4-lane divided roadway, including drainage improvements and an at grade railroad crossing.

Assumptions & Justifications:

This project assumes design and construction of an at grade railroad crossing. The County will seek state/federal funding for a railroad grade separation structure. If funding is obtained for a grade separation structure, the cost of construction will increase approximately \$4.0 million dollars (this assumes receiving \$3.2 million from the 80% state/federal share and having a cost of \$800,000 to cover the 20% County share). The at grade crossing is expected to cost approximately \$400,000 and this cost is included in the budget.

Existing traffic volumes on Eastern Boulevard exceed capacity and land development activity is anticipated in the area. Regional growth in the greater Hagerstown area will cause traffic volumes to increase.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	500,000	500,000	0	0	0	0	0	0	0
Land Acquisition	1,789,300	141,300	195,000	0	1,453,000	0	0	0	0
Construction	4,775,000	0	0	0	1,889,000	2,886,000	0	0	0
Inspection	248,000	0	0	0	0	248,000	0	0	0
Total Cost	7,312,300	641,300	195,000	0	3,342,000	3,134,000	0	0	0

Funding Sources:

General Fund	195,000	0	195,000	0	0	0	0	0	0
Tax Supported Bond	6,617,300	141,300	0	0	3,342,000	3,134,000	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Roads	144,320	144,320	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Federal Grant	355,680	355,680	0	0	0	0	0	0	0
Total Funding	7,312,300	641,300	195,000	0	3,342,000	3,134,000	0	0	0

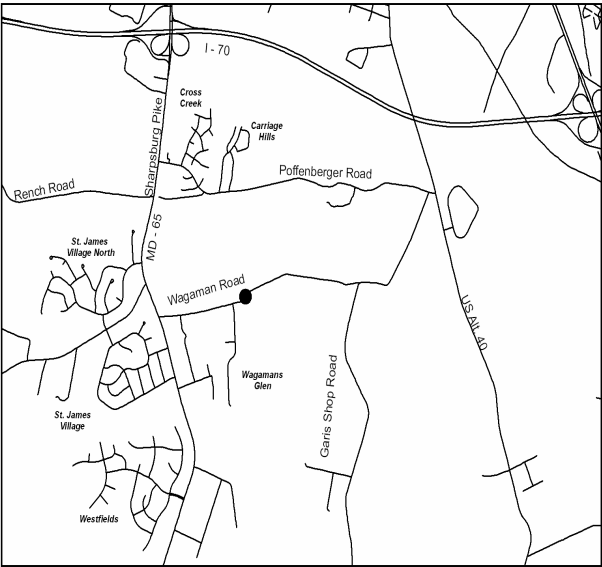
Project Title: Wagaman Road Realignment

Project Number: 1005

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$360



Description:

The project involves the realignment of a portion of Wagaman Road in the 18700 Block of Wagaman Road (ADC Map 26, Grid D-2).

Assumptions & Justifications:

The preliminary concept assumes open section roadway. An Additional right-of-way is required for the project. Proximity of existing stream and wetlands requires Army Corps of Engineers and Maryland Department of the Environment permit.

This project is needed to address safety issues on this portion of the road. This project will eliminate two sharp curves and improve sight distance.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	240,000	0	0	0	0	0	0	0	240,000
Construction	660,000	0	0	0	0	0	0	0	660,000
Inspection	120,000	0	0	0	0	0	0	0	120,000
Total Cost	1,020,000	0	0	0	0	0	0	0	1,020,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,020,000	0	0	0	0	0	0	0	1,020,000
Total Funding	1,020,000	0	0	0	0	0	0	0	1,020,000

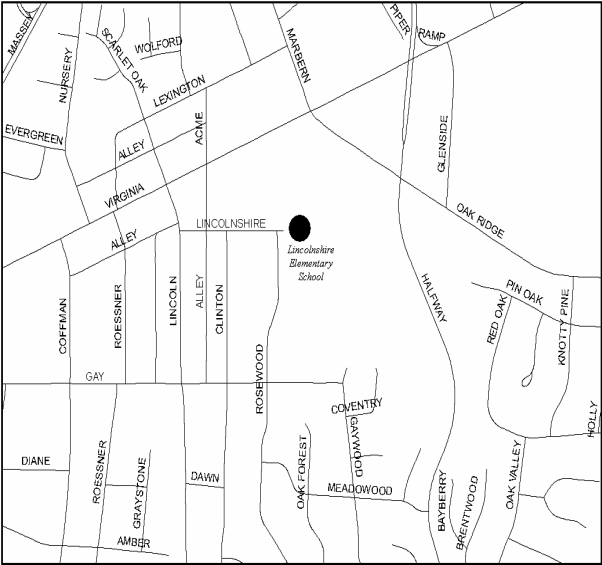
Project Title:       Transportation ADA

Project Number:       1023

Account Number:       LDI037

Projected Annual FTE's:       0

Projected Operating Costs:       \$0



Description:

This project will provide upgrades to existing street crossings and facilities to comply with Americans with Disabilities (ADA) requirements. This includes providing pavement markings, signs, sidewalks, ramps, and accessible pedestrian signals as necessary to bring the existing conditions into compliance.

Assumptions & Justifications:

The project consists of a multi-year plan to achieve full compliance. The project received \$592,300 (FY13) from a Safe Routes to School Grant for a sidewalk extension project that will be constructed in accordance with ADA requirements (Lincolnshire Elementary School).

State and local governments must maintain accessible features in operable working condition to comply with Title II of ADA. At a minimum, government entities need to comply with certain administrative requirements, conduct a self-evaluation, involve the public, develop/implement a transition plan, and provide accessibility during construction. FHWA is now requiring sub-recipient entities to have and implement a transition plan to bring the transportation system into full compliance.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Planning	74,700	74,700	0	0	0	0	0	0	0
Construction	1,550,500	684,500	77,000	87,000	88,000	87,000	87,000	87,000	353,000
Total Cost	1,625,200	759,200	77,000	87,000	88,000	87,000	87,000	87,000	353,000

Funding Sources:

General Fund	945,900	166,900	77,000	87,000	88,000	87,000	0	87,000	353,000
Tax Supported Bond	87,000	0	0	0	0	0	87,000	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	592,300	592,300	0	0	0	0	0	0	0
Total Funding	1,625,200	759,200	77,000	87,000	88,000	87,000	87,000	87,000	353,000



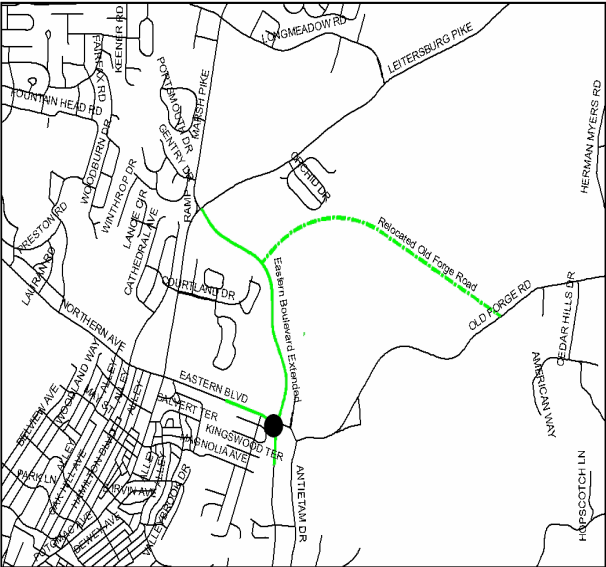
Project Title: Eastern Blvd. at Antietam Dr Improvements

Project Number: 1038

Account Number: RDI051

Projected Annual FTE's: 0

Projected Operating Costs: \$360



Description:

The project will provide intersection improvements at Antietam Drive. This project will connect the Eastern Boulevard Widening Phase II project with the Eastern Boulevard Extended project.

Assumptions & Justifications:

This project will be constructed with Eastern Boulevard Phase II.

Existing traffic volumes on Eastern Boulevard exceed capacity and land development activity is anticipated in the area. Regional growth in the greater Hagerstown area will cause traffic volumes to increase. Advancing this intersection project will enhance traffic safety and reduce travel speeds in the area.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	300,000	300,000	0	0	0	0	0	0	0
Land Acquisition	202,000	202,000	0	0	0	0	0	0	0
Construction	2,730,000	0	0	1,352,000	1,378,000	0	0	0	0
Inspection	126,000	0	0	62,000	64,000	0	0	0	0
Total Cost	3,358,000	502,000	0	1,414,000	1,442,000	0	0	0	0

Funding Sources:

General Fund	502,000	502,000	0	0	0	0	0	0	0
Tax Supported Bond	2,856,000	0	0	1,414,000	1,442,000	0	0	0	0
Excise Tax - Roads	0	0	0	0	0	0	0	0	0
Total Funding	3,358,000	502,000	0	1,414,000	1,442,000	0	0	0	0

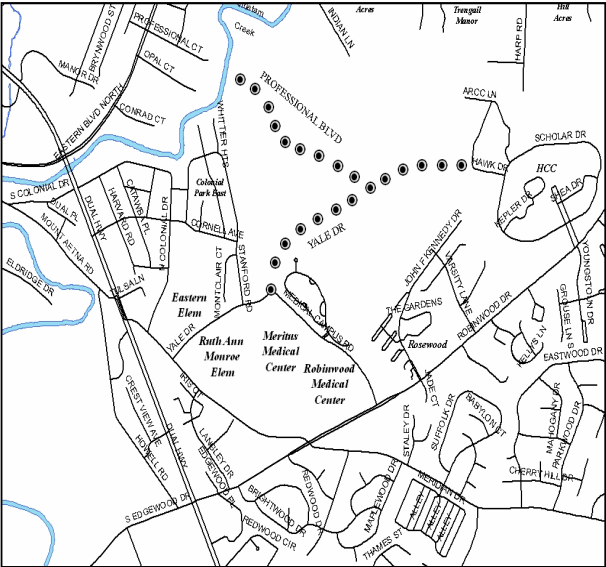
Project Title: Yale Drive Extended - Phase II

Project Number: 1069

Account Number: RDI054

Projected Annual FTE's: 0

Projected Operating Costs: \$1,800



Description:

The project involves the expansion of Yale Drive Extended - Phase I (Project RDI053) and partial construction of Professional Boulevard.

Assumptions & Justifications:

Installation of water, sewer, and electric is planned and will be partially funded from other sources (other project or private sector investment). An ARC grant in the amount of \$1,200,000 was secured for this project.

Regional traffic is anticipated to significantly increase requiring more transportation connectivity in this area. Project area has been identified as an economic opportunity for the County.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	95,700	95,700	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0
Construction	3,367,690	2,653,690	714,000	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Utilities	8,250	8,250	0	0	0	0	0	0	0
Total Cost	3,471,640	2,757,640	714,000	0	0	0	0	0	0

Funding Sources:

General Fund	656,640	656,640	0	0	0	0	0	0	0
Tax Supported Bond	1,615,000	901,000	714,000	0	0	0	0	0	0
Federal Grant	1,200,000	1,200,000	0	0	0	0	0	0	0
Total Funding	3,471,640	2,757,640	714,000	0	0	0	0	0	0

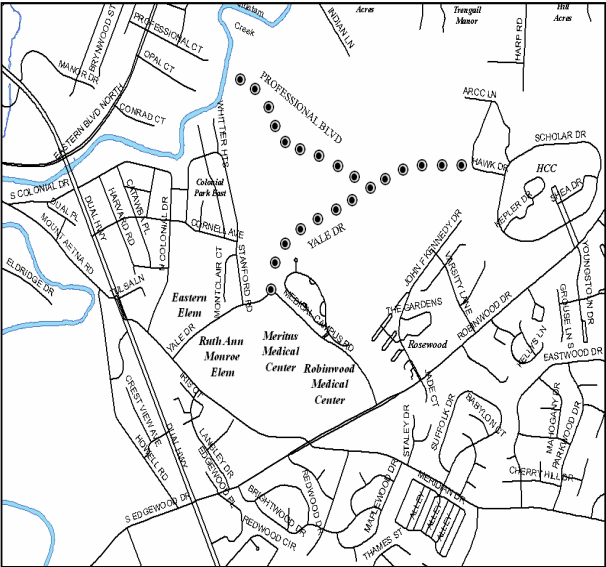
Project Title: Professional Boulevard Extended - Phase II

Project Number: 1071

Account Number: RDI056

Projected Annual FTE's: 0

Projected Operating Costs: \$2,880



Description:

The project involves the extension of Professional Court from a point 200 feet east of the proposed Antietam Creek Bridge (Project 1072) to Yale Drive Extended (Project 1093). The roadway length is approximately 2,500 feet. The project includes construction of a four lane closed section divided roadway and single roundabout intersection.

Assumptions & Justifications:

No new water and/or sewer network is included in these costs and must be funded from other sources (other project or private sector investment). An ARC grant in the amount of \$1,000,000 is being secured for this project.

Regional traffic is anticipated to significantly increase requiring more transportation connectivity in this area. The project area has been identified as an economic opportunity for the County.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	398,400	398,400	0	0	0	0	0	0	0
Land Acquisition	102,000	102,000	0	0	0	0	0	0	0
Construction	6,462,100	934,100	0	0	0	0	0	2,222,000	3,306,000
Inspection	0	0	0	0	0	0	0	0	0
Total Cost	6,962,500	1,434,500	0	0	0	0	0	2,222,000	3,306,000

Funding Sources:

General Fund	125,000	125,000	0	0	0	0	0	0	0
Tax Supported Bond	5,817,200	289,200	0	0	0	0	0	2,222,000	3,306,000
Federal Grant	1,020,300	1,020,300	0	0	0	0	0	0	0
Contributions	0	0	0	0	0	0	0	0	0
Total Funding	6,962,500	1,434,500	0	0	0	0	0	2,222,000	3,306,000

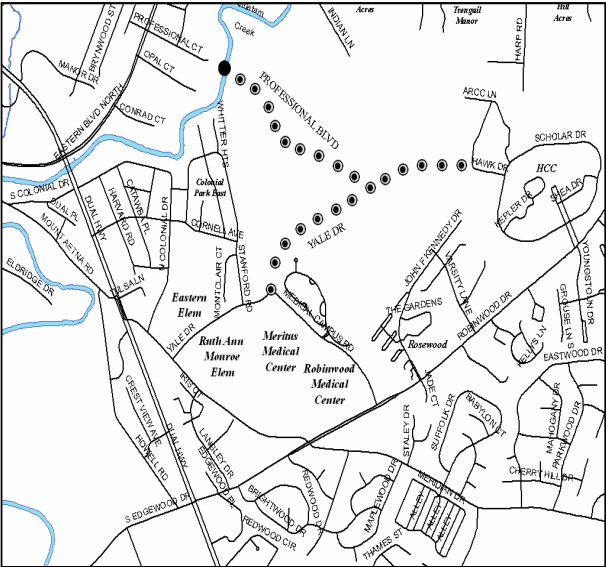
Project Title: Professional Boulevard Extended - Ph I/Bridge

Project Number: 1072

Account Number: RDI055

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000



Description:

The project involves the extension of Professional Court over Antietam Creek to a point 200' east of the proposed bridge. This project will connect to the proposed Professional Boulevard Extended Phase II (Project 1071) roadway that connects to Yale Drive Extended (Project 1093). The project length is approximately 1,000 LF (including bridge). The project includes construction of a four lane closed section undivided roadway and the construction of a four lane bridge over Antietam Creek.

Assumptions & Justifications:

A state grant was received in FY14 from the Secretary of the Maryland Department of Transportation for design of the bridge (\$1,120,000). No new water and/or sewer network is included in these costs and must be funded from other sources (other project or private sector investment).

State funding shown in years 2017 and 2018 is State Aid Funding, not ARC grant.

Regional traffic is anticipated to significantly increase requiring more transportation connectivity in this area. The project area has been identified as an economic opportunity for the City/County.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	1,782,000	125,000	1,397,000	260,000	0	0	0	0	0
Land Acquisition	636,000	0	0	0	636,000	0	0	0	0
Construction	7,237,000	0	0	0	848,000	1,776,000	2,317,000	2,296,000	0
Inspection	258,000	0	0	0	0	0	0	258,000	0
Total Cost	9,913,000	125,000	1,397,000	260,000	1,484,000	1,776,000	2,317,000	2,554,000	0

Funding Sources:

General Fund	125,000	125,000	0	0	0	0	0	0	0
Hotel Rental Fund	823,000	0	0	0	0	276,000	258,000	289,000	0
Tax Supported Bond	5,845,000	0	277,000	260,000	984,000	0	2,059,000	2,265,000	0
Federal Grant	0	0	0	0	0	0	0	0	0
State Grant	3,120,000	0	1,120,000	0	500,000	1,500,000	0	0	0
Contributions	0	0	0	0	0	0	0	0	0
Total Funding	9,913,000	125,000	1,397,000	260,000	1,484,000	1,776,000	2,317,000	2,554,000	0

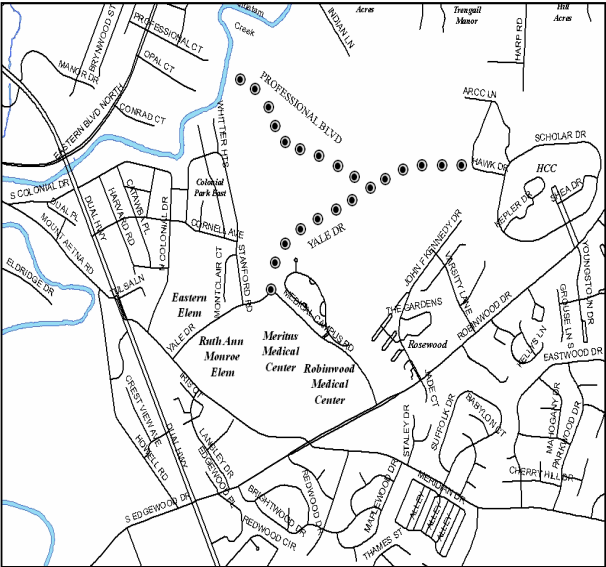
Project Title: Yale Drive Extended - Phase I

Project Number: 1093

Account Number: RDI053

Projected Annual FTE's: 0

Projected Operating Costs: \$2,250



Description:

The project involves the extension of Yale Drive across the land formerly known as Mt. Aetna Farms to connect to Scholar Drive (HCC). Total road length is approximately 4,600 linear feet. The project includes the construction of two roundabout intersections.

Assumptions & Justifications:

This project consists of a two lane roadway with a center left turn lane and two roundabout intersections. Installation of water, sewer, and electric is planned and will be partially funded from other sources (other project or private sector investment). ARC grants in the amount of \$600,000 (Yale Phase I) and \$1,020,275 (Professional Boulevard stub) were secured for this project.

The project is needed to relieve congestion at Robinwood Drive and Academic Boulevard. Hagerstown Community College has grown beyond its need for a secondary access point. This road will provide for the secondary access that is needed to accommodate increased traffic volumes from ongoing development in this area.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	194,300	194,300	0	0	0	0	0	0	0
Architect Fees	20,000	20,000	0	0	0	0	0	0	0
Construction	5,706,310	4,992,310	714,000	0	0	0	0	0	0
Inspection	300,000	300,000	0	0	0	0	0	0	0
Relocation Fees	16,750	16,750	0	0	0	0	0	0	0
Total Cost	6,237,360	5,523,360	714,000	0	0	0	0	0	0

Funding Sources:

General Fund	1,143,360	1,143,360	0	0	0	0	0	0	0
Tax Supported Bond	3,144,000	2,430,000	714,000	0	0	0	0	0	0
Transfer Tax	250,000	250,000	0	0	0	0	0	0	0
Federal Grant	1,700,000	1,700,000	0	0	0	0	0	0	0
Total Funding	6,237,360	5,523,360	714,000	0	0	0	0	0	0

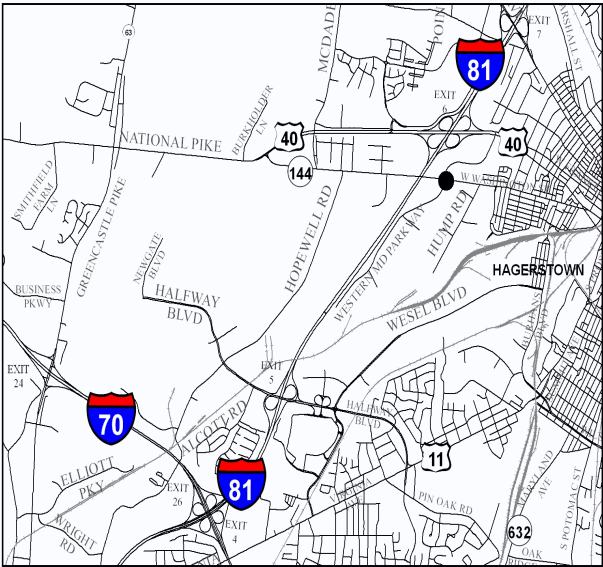
Project Title: MD Rt 144 and Western MD Pkwy Roundabout

Project Number: 1106

Account Number: RDI061

Projected Annual FTE's: 0

Projected Operating Costs: \$360



Description:

The project involves the construction of a traffic roundabout at the intersection of MD Route 144 and Western Maryland Parkway to correct traffic operation and safety related deficiencies. The project is required to accommodate economic development in the area.

Assumptions & Justifications:

This is a SHA project with County contribution at 50% for two of the four road approaches to the intersection.

The construction of a roundabout will improve safety and level of service at intersection.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Planning	10,000	0	10,000	0	0	0	0	0	0
Land Acquisition	10,000	0	10,000	0	0	0	0	0	0
Construction	945,000	0	0	468,000	477,000	0	0	0	0
Inspection	61,000	0	0	0	61,000	0	0	0	0
Total Cost	1,026,000	0	20,000	468,000	538,000	0	0	0	0

Funding Sources:

General Fund	20,000	0	20,000	0	0	0	0	0	0
Tax Supported Bond	492,000	0	0	229,000	263,000	0	0	0	0
Contributions	514,000	0	0	239,000	275,000	0	0	0	0
Total Funding	1,026,000	0	20,000	468,000	538,000	0	0	0	0

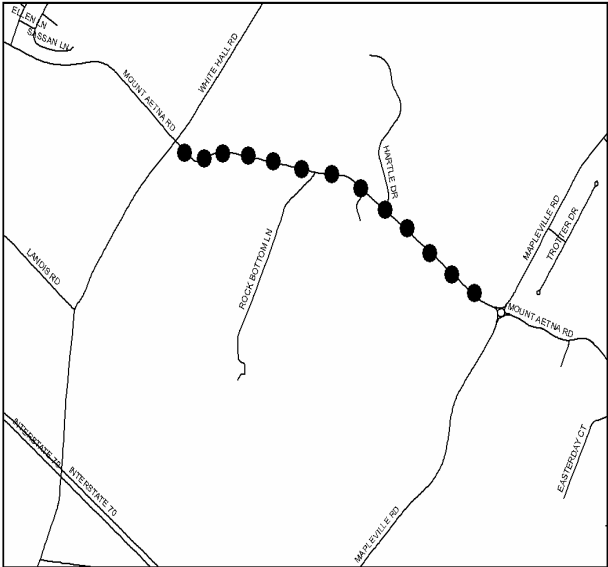
Project Title: Mt Aetna Road Spot Improvements

Project Number: 1108

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$2,520



Description:

The project includes providing spot improvements to Mt Aetna Road to improve sight distance, and vertical/horizontal curves.

Assumptions & Justifications:

Mt Aetna Road has several locations that have been identified as inadequate as defined in the "Road Adequacy Policy". Development in the vicinity has caused an increase in traffic.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	60,000	0	0	0	0	0	0	0	60,000
Construction	360,000	0	0	0	0	0	0	0	360,000
Inspection	0	0	0	0	0	0	0	0	0
Total Cost	420,000	0	0	0	0	0	0	0	420,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	420,000	0	0	0	0	0	0	0	420,000
Total Funding	420,000	0	0	0	0	0	0	0	420,000

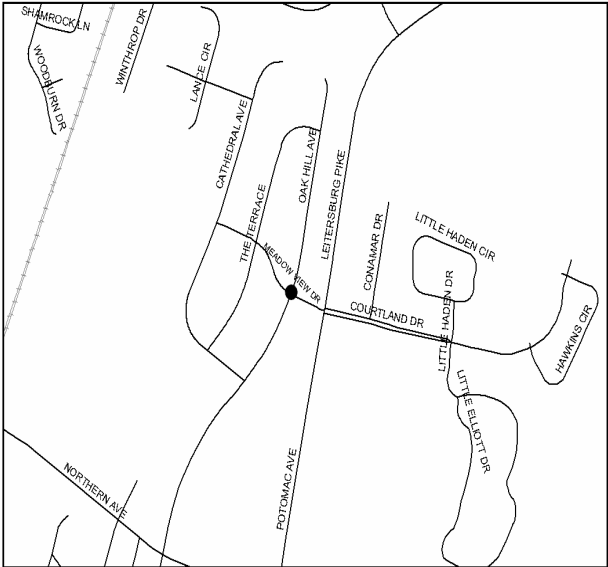
Project Title: Meadow View Dr and Oak Hill Ave Roundabout

Project Number: 1109

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$360



Description:

The project involves the construction of a traffic roundabout at the intersection of Meadow View Drive and Oak Hill Avenue.

Assumptions & Justifications:

The project assumes one lane open section roadway with interior landscaping.

The construction of a roundabout will improve safety and level of service at the intersection. Construction along Leithersburg Pike has caused an increase in traffic diverting through a residential area. This project will calm and slow traffic thus improving safety.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Land Acquisition	12,000	0	0	0	0	0	0	0	12,000
Construction	450,000	0	0	0	0	0	0	0	450,000
Inspection	58,000	0	0	0	0	0	0	0	58,000
Total Cost	520,000	0	0	0	0	0	0	0	520,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	520,000	0	0	0	0	0	0	0	520,000
Total Funding	520,000	0	0	0	0	0	0	0	520,000



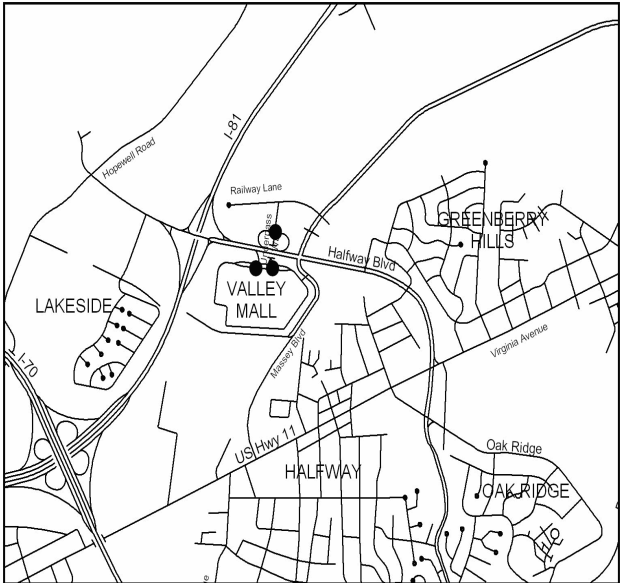
Project Title: Valley Mall Road Improvements

Project Number: 1121

Account Number: RDI059

Projected Annual FTE's: 0

Projected Operating Costs: \$1,360



Description:

The project involves construction of a traffic signal at the intersection of Underpass Way and Valley Mall Road.

Assumptions & Justifications:

This project is expected to receive contributions from a special taxing district.

Intersection improvements will improve safety and level of service.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	66,300	66,300	0	0	0	0	0	0	0
Construction	306,000	0	306,000	0	0	0	0	0	0
Inspection	31,000	0	31,000	0	0	0	0	0	0
Utilities	20,400	20,400	0	0	0	0	0	0	0
Total Cost	423,700	86,700	337,000	0	0	0	0	0	0

Funding Sources:

Hotel Rental Fund	337,000	0	337,000	0	0	0	0	0	0
Tax Supported Bond	86,700	86,700	0	0	0	0	0	0	0
Total Funding	423,700	86,700	337,000	0	0	0	0	0	0

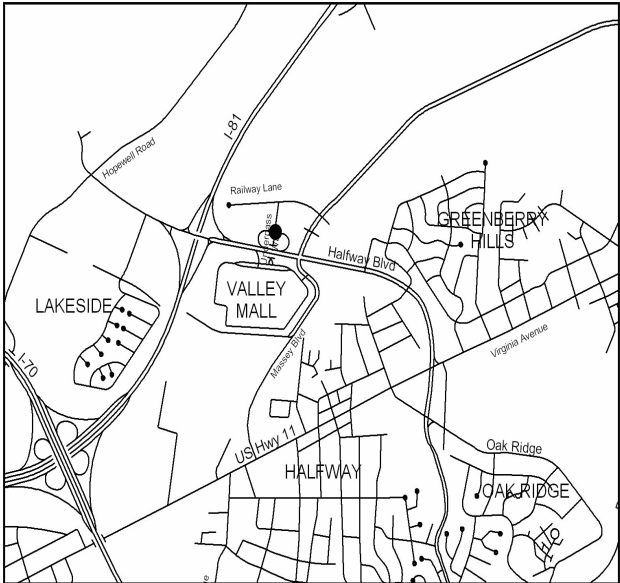
Project Title: Valley Mall Area Road Improvements Phase II

Project Number: 1167

Account Number: RDI062

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project includes Intersection reconstruction on Underpass Way at the on/off ramps to/from Halfway Blvd. The project will convert a stop controlled intersection to a roundabout intersection.

Assumptions & Justifications:

The intersection operates at an unacceptable level of service. Poor level of service is preventing further economic development in the area.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	77,000	0	77,000	0	0	0	0	0	0
Land Acquisition	102,000	0	102,000	0	0	0	0	0	0
Construction	795,000	0	0	0	795,000	0	0	0	0
Utilities	41,000	0	41,000	0	0	0	0	0	0
Total Cost	1,015,000	0	220,000	0	795,000	0	0	0	0

Funding Sources:

Hotel Rental Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,015,000	0	220,000	0	795,000	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Total Funding	1,015,000	0	220,000	0	795,000	0	0	0	0

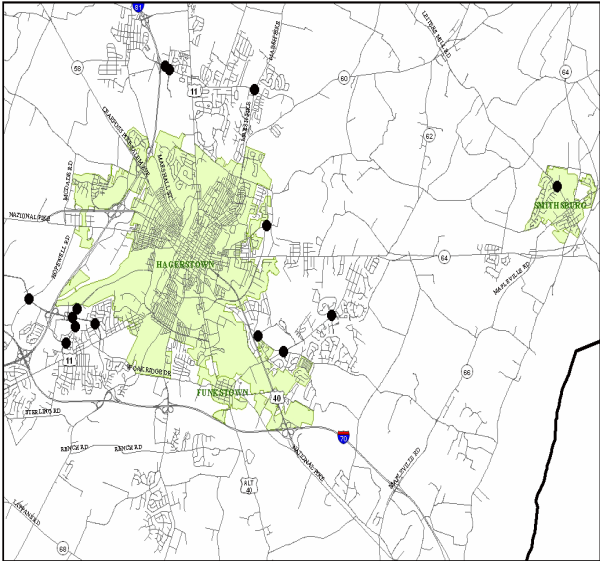
Project Title: Battery Backup Op for Signalized Intersections

Project Number: 1194

Account Number: EQP052

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project involves providing battery backup during power outages to signalized intersections maintained by the County.

Assumptions & Justifications:

The signalized intersections are: Maugans Avenue and Volvo Way, Maugans Avenue and Crayton Boulevard, Halfway Boulevard and Massey Boulevard, Halfway Boulevard and Cole Road, Massey Boulevard and Valley Mall Entrance, Longmeadow Road and Marsh Pike, Mount Aetna and Yale Drive, Leitersburg-Smithburg Road and School Entrance, Halfway Boulevard and Railway Lane, Halfway Boulevard and York Road, Halfway Boulevard and Hopewell Road, Eastern Boulevard and Security Boulevard, North Edgewood Drive and Mount Aetna Road, Robinwood Drive and Academic Drive.

Backup power will improve the safety of intersections and eliminate the need for law enforcement and/or highway department personnel to maintain the operation of the intersection during power outages.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	60,000	60,000	0	0	0	0	0	0	0
Construction	218,000	0	0	218,000	0	0	0	0	0
Total Cost	278,000	60,000	0	218,000	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	218,000	0	0	218,000	0	0	0	0	0
Capital Reserve - General	60,000	60,000	0	0	0	0	0	0	0
Total Funding	278,000	60,000	0	218,000	0	0	0	0	0

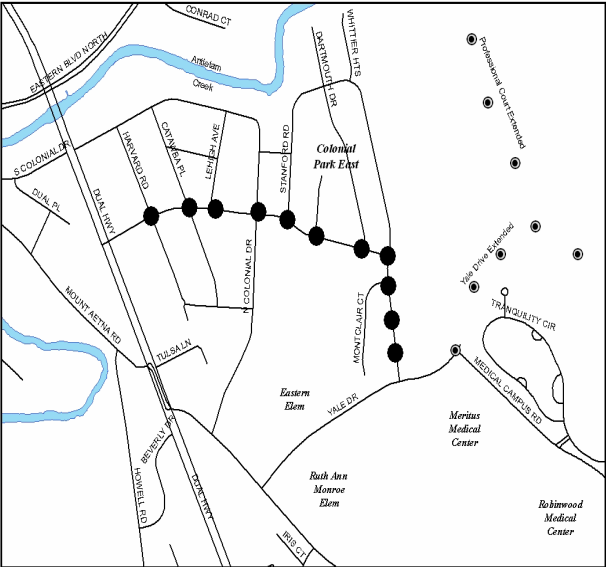
Project Title: Colonial Park East Subdivision Traffic Calming

Project Number: 1195

Account Number: RDI060

Projected Annual FTE's: 0

Projected Operating Costs: \$360



Description:

The project involves constructing traffic calming devices along Cornell Avenue and Stanford Road in the Colonial Park East subdivision to control traffic speed and cut-through traffic. Also included in this project are intersection improvements at US Route 40 and Cornell Avenue.

Assumptions & Justifications:

Traffic calming devices may include signs, line striping, speed humps, lane reconfiguration, medians, and street scape. MD SHA will cost share with the improvements at US Route 40 and Cornell Avenue (assume 50/50 split).

Excessive vehicular speeds and cut-through traffic in the subdivision is causing unsafe conditions for local drivers and pedestrians.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	31,000	0	31,000	0	0	0	0	0	0
Construction	281,000	125,000	0	156,000	0	0	0	0	0
Inspection	43,000	43,000	0	0	0	0	0	0	0
Total Cost	355,000	168,000	31,000	156,000	0	0	0	0	0

Funding Sources:

General Fund	31,000	0	31,000	0	0	0	0	0	0
Tax Supported Bond	78,000	0	0	78,000	0	0	0	0	0
Capital Reserve - General	168,000	168,000	0	0	0	0	0	0	0
Contributions	78,000	0	0	78,000	0	0	0	0	0
Total Funding	355,000	168,000	31,000	156,000	0	0	0	0	0

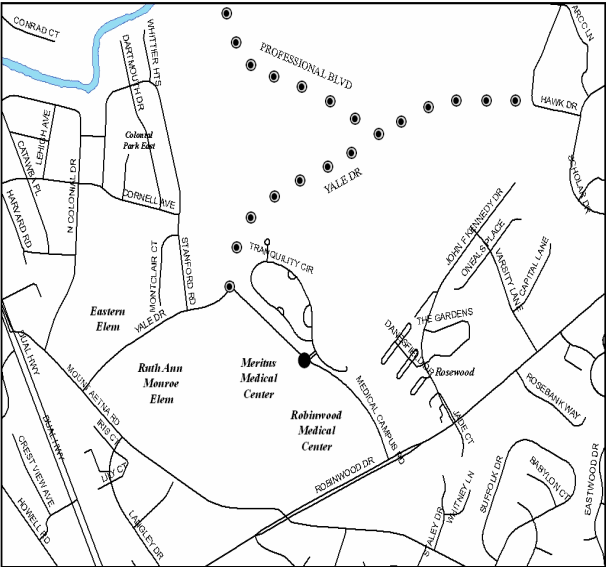
Project Title: Medical Campus Road Signal

Project Number: 1197

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000



Description:

The project involves the construction of a traffic signal with left turn lanes at the intersection of Medical Campus Road and Tranquility Circle.

Assumptions & Justifications:

Traffic volume increases in this area are making turning movements at this location more difficult and potentially unsafe. Once volumes warrant the signal, safety and traffic flow will be improved.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	424,000	0	0	0	424,000	0	0	0	0
Inspection	16,000	0	0	0	16,000	0	0	0	0
Total Cost	440,000	0	0	0	440,000	0	0	0	0

Funding Sources:

Hotel Rental Fund	440,000	0	0	0	440,000	0	0	0	0
Total Funding	440,000	0	0	0	440,000	0	0	0	0

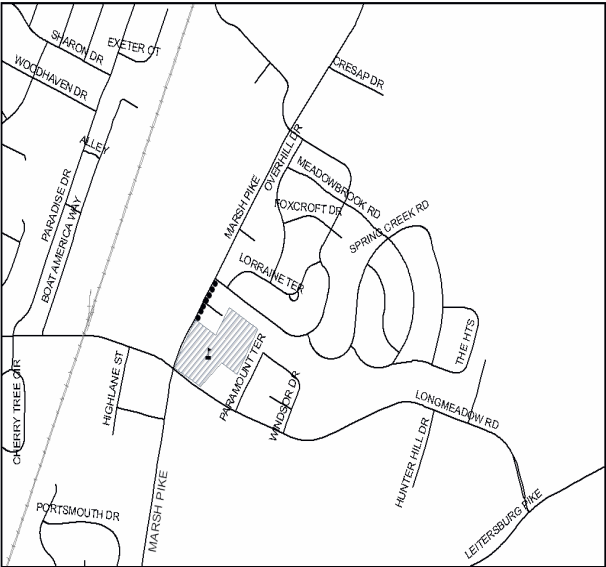
Project Title: Marsh Pike Sidewalk Extension

Project Number: 1242

Account Number: LDI048

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This Safe Route to School project will provide an ADA accessible sidewalk from Paramount Elementary School to the Spring Valley Subdivision (ADC Map 11, Grid H-10). The work also includes drainage improvements.

Assumptions & Justifications:

The project will utilize 100% State funding for design, construction, inspection, and utilities.

The County received a \$496,150 state grant.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	77,000	0	77,000	0	0	0	0	0	0
Construction	367,000	0	367,000	0	0	0	0	0	0
Inspection	31,000	0	31,000	0	0	0	0	0	0
Utilities	31,000	0	31,000	0	0	0	0	0	0
Total Cost	506,000	0	506,000	0	0	0	0	0	0

Funding Sources:

State Grant	506,000	0	506,000	0	0	0	0	0	0
Total Funding	506,000	0	506,000	0	0	0	0	0	0

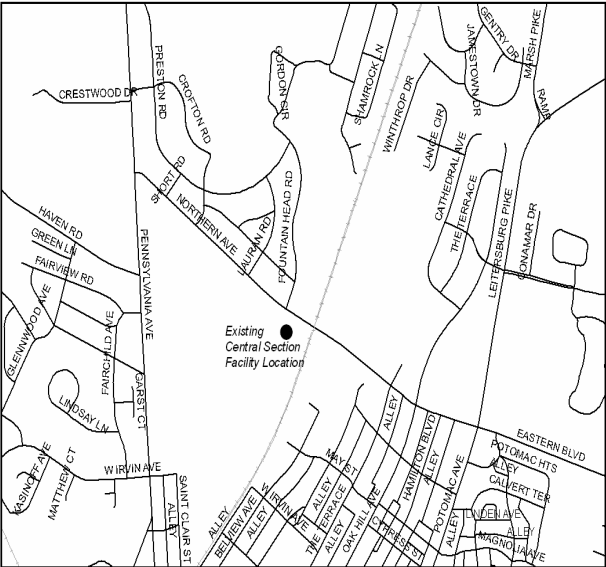
Project Title: Highway Central Section - New Facility

Project Number: 1100

Account Number: BLD083

Projected Annual FTE's: 0

Projected Operating Costs: \$20,000



Description:

The project consists of acquisition of land, plan, design, and construction of a new central section highway maintenance facility and a new central fleet maintenance facility. The project will include offices, fleet maintenance facility, vehicle storage facility, vehicle wash station, employee locker room, material and equipment storage building, road salt and material storage bins, sign and traffic signal shop, and other highway and fleet maintenance structures and facilities.

Assumptions & Justifications:

The facility shall be located within the central highway maintenance section service area. The existing facility could be sold or a portion retained for continued operation of the fuel center, pending analysis.

The existing facility is more than 60 years old, land locked and located within a FEMA designated floodplain. These constraints restrict the department from renovating and expanding to meet current and projected demands on the department. The proximity to existing streams create unique pollution prevention requirements due to the type of operation and activities performed at the existing facility.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	334,000	0	204,000	130,000	0	0	0	0	0
Land Acquisition	1,410,000	0	0	78,000	212,000	216,000	220,000	224,000	460,000
Construction	476,000	0	0	0	0	0	0	0	476,000
Total Cost	2,220,000	0	204,000	208,000	212,000	216,000	220,000	224,000	936,000

Funding Sources:

General Fund	1,788,000	0	0	208,000	212,000	216,000	220,000	224,000	708,000
Tax Supported Bond	228,000	0	0	0	0	0	0	0	228,000
Excise Tax - Roads	0	0	0	0	0	0	0	0	0
Excise Tax - Other	0	0	0	0	0	0	0	0	0
Capital Reserve - General	204,000	0	204,000	0	0	0	0	0	0
Total Funding	2,220,000	0	204,000	208,000	212,000	216,000	220,000	224,000	936,000

Project Title: HWY Equip and Vehicle Replacement Program

Project Number: 1119

Account Number: EQP042

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project will replace vehicles and heavy/specialized equipment for maintenance and construction activity.

Assumptions & Justifications:

Recommendation for replacement is based on a review of policy, equipment condition, and consideration of funding levels that exist.

The County maintains an inventory of specialized and heavy equipment for maintenance and construction activities. Each year, the Public Works Department analyzes the condition of this equipment to identify candidates for replacement. This analysis is conducted in conjunction with the user departments and focuses on factors such as age, mileage and/or hours, and life-to-date repair history.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	7,363,500	1,323,500	1,000,000	520,000	530,000	540,000	550,000	560,000	2,340,000
Total Cost	7,363,500	1,323,500	1,000,000	520,000	530,000	540,000	550,000	560,000	2,340,000

Funding Sources:

General Fund	3,963,500	273,500	0	370,000	380,000	390,000	400,000	410,000	1,740,000
Highway Fund	2,300,000	800,000	150,000	150,000	150,000	150,000	150,000	150,000	600,000
Capital Reserve - General	1,100,000	250,000	850,000	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	7,363,500	1,323,500	1,000,000	520,000	530,000	540,000	550,000	560,000	2,340,000



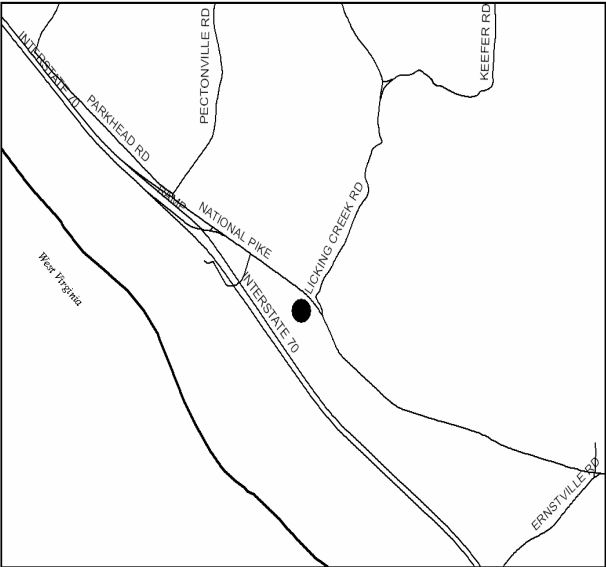
Project Title: Highway Maintenance Shop - Western Section

Project Number: 1122

Account Number: BLD084

Projected Annual FTE's: 0

Projected Operating Costs: \$2,500



Description:

This project will provide for the construction of a 1,500 SF building addition to the garage area at the western section highway maintenance shop. Additional space is needed to perform maintenance on vehicles, which currently must occur outside (including during inclement weather).

Assumptions & Justifications:

The site is a highway maintenance facility in a remote area critical for winter weather operations and response to public emergency situations.

Highway maintenance is a core county service.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	38,000	0	0	0	38,000	0	0	0	0
Construction	316,000	0	51,000	104,000	53,000	108,000	0	0	0
Inspection	32,000	0	0	0	0	32,000	0	0	0
Total Cost	386,000	0	51,000	104,000	91,000	140,000	0	0	0

Funding Sources:

General Fund	51,000	0	51,000	0	0	0	0	0	0
Tax Supported Bond	335,000	0	0	104,000	91,000	140,000	0	0	0
Total Funding	386,000	0	51,000	104,000	91,000	140,000	0	0	0

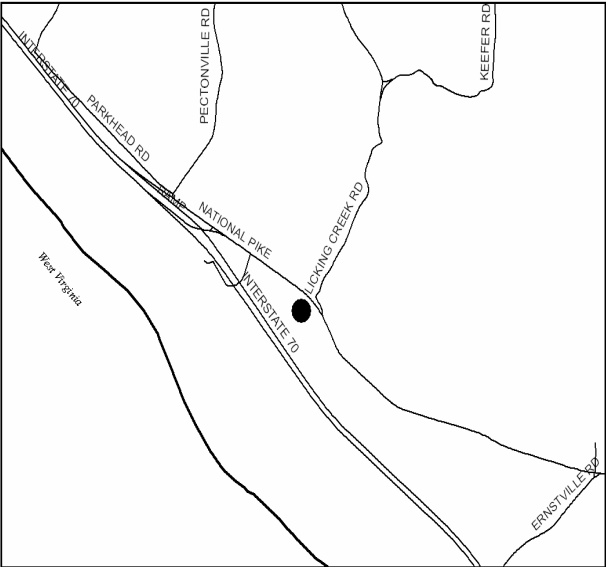
Project Title: HWY Western Section - Fuel Tank Replacement

Project Number: 1234

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will replace the existing diesel fuel center and add a gasoline fuel center at the western highway maintenance facility. The existing underground diesel storage tanks are old style steel tanks under impressed current cathodic protection. The addition of new gasoline tanks will provide 24 hour 7 days a week access for all county vehicles including Sheriff's Office and Board of Education vehicles operating in the western part of the County. The project includes modernizing the existing pump, addition of new pump, adding controlled access and integrated software systems to match existing fuel center systems used elsewhere in County government to provide connectivity to the central section highway shop software tracking system for billing and data collection. The project also includes a motorized entrance gate.

Assumptions & Justifications:

Tanks are 20+ years old and present an increased liability of an environmental release. This project will reduce operating expenses associated with fuel usage and vehicle maintenance.

This project will dramatically reduce the environmental threat of a leaking underground tank and pipes. This project will allow vehicles and employees operating in the western portion of the County, including law enforcement officers to remain in the area of service. By constructing this facility these employees will not be taken out of their coverage area to refuel their vehicle.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	22,000	0	0	0	0	0	0	22,000	0
Construction	829,000	0	0	0	0	0	0	829,000	0
Inspection	56,000	0	0	0	0	0	0	56,000	0
Total Cost	907,000	0	0	0	0	0	0	907,000	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	907,000	0	0	0	0	0	0	907,000	0
Total Funding	907,000	0	0	0	0	0	0	907,000	0

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Washington County, Maryland

Capital Improvement 10yr Summary

Fiscal Year 2015 - 2024

		Ten Year Capital Program								
Page	Project	Total	Prior Appr.	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Solid Waste										
194	Contingency - Solid Waste	465,500	211,500	0	26,000	27,000	27,000	28,000	28,000	118,000
195	Close Out Cap - Rubble Fill	2,038,400	81,400	0	0	0	0	1,957,000	0	0
196	Hancock Landfill - Gas Flares	656,400	279,400	377,000	0	0	0	0	0	0
197	City/County Leachate Upgrades	1,535,200	1,229,200	306,000	0	0	0	0	0	0
198	40 West Pavement Rehab and Bridge Repair	684,000	0	0	0	0	0	0	0	684,000
199	Seal Coating Closed Facilities	840,000	0	0	0	0	0	0	0	840,000
200	40 West Landfill Wetland Modifications	179,000	0	179,000	0	0	0	0	0	0
201	40 West Landfill Abutment Washout	77,000	0	77,000	0	0	0	0	0	0
Solid Waste Total		6,475,500	1,801,500	939,000	26,000	27,000	27,000	1,985,000	28,000	1,642,000
Funding Sources										
General Fund		98,372	98,372	0	0	0	0	0	0	0
Solid Waste Fund		1,036,328	782,328	0	26,000	27,000	27,000	28,000	28,000	118,000
Self Supported Bond		3,564,600	83,600	0	0	0	0	1,957,000	0	1,524,000
Capital Reserve - Solid Waste		1,776,200	837,200	939,000	0	0	0	0	0	0
		6,475,500	1,801,500	939,000	26,000	27,000	27,000	1,985,000	28,000	1,642,000

Project Title: Contingency - Solid Waste

Project Number: 97

Account Number: ADM009

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The purpose of this project is to maintain a budgetary reserve to provide for emergency or unanticipated expenditures.

Assumptions & Justifications:

Due to the inherent uncertainty in estimating capital project costs, it is the policy of the County to maintain project contingency. In the event that the capital contingency accounts have excess funds, the annual appropriation for that purpose may be modified to reflect the source of funds as determined through the budget process.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Contingency	465,500	211,500	0	26,000	27,000	27,000	28,000	28,000	118,000
Other	0	0	0	0	0	0	0	0	0
Total Cost	465,500	211,500	0	26,000	27,000	27,000	28,000	28,000	118,000

Funding Sources:

Solid Waste Fund	465,500	211,500	0	26,000	27,000	27,000	28,000	28,000	118,000
Self Supported Bond	0	0	0	0	0	0	0	0	0
Total Funding	465,500	211,500	0	26,000	27,000	27,000	28,000	28,000	118,000

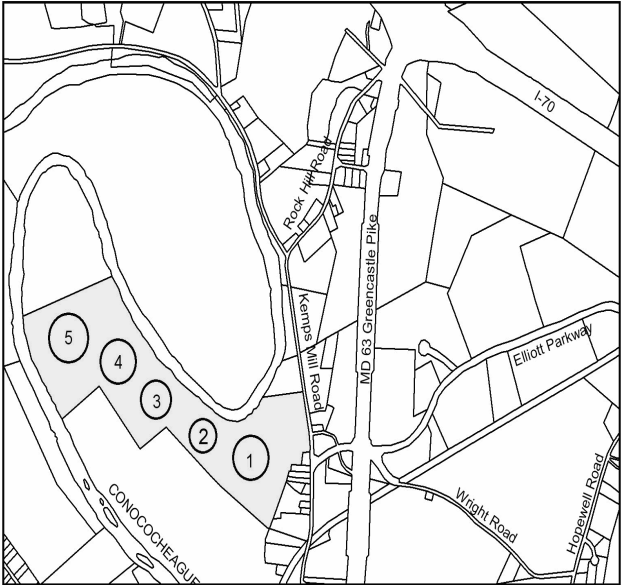
Project Title: Close Out Cap - Rubble Fill

Project Number: 105

Account Number: CAP003

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The purpose of the project is to design and construct a close out cap for the Rubble landfill.

Assumptions & Justifications:

At this point in time it is not known if a gas collection system will be required. If so, it will be a minimal passive system and should be considered included in the budget provided herein. Discussions with MDE staff indicate the facility permit can be routinely renewed, but the site kept inactive, as long as the facility is properly maintained. MDE stated they will not require capping to be installed prior to 2015 if no maintenance or compliance issues arise. Funding is assumed to be from the State Water Quality Loan Program.

The work is required to comply with State regulations and the facility permit. Federal regulations do not apply to rubble fill sites.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	170,400	81,400	0	0	0	0	89,000	0	0
Construction	1,700,000	0	0	0	0	0	1,700,000	0	0
Inspection	168,000	0	0	0	0	0	168,000	0	0
Total Cost	2,038,400	81,400	0	0	0	0	1,957,000	0	0

Funding Sources:

General Fund	63,000	63,000	0	0	0	0	0	0	0
Solid Waste Fund	18,400	18,400	0	0	0	0	0	0	0
Self Supported Bond	1,957,000	0	0	0	0	0	1,957,000	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Revenue Bond Proceeds	0	0	0	0	0	0	0	0	0
Reappropriated Funds	0	0	0	0	0	0	0	0	0
Total Funding	2,038,400	81,400	0	0	0	0	1,957,000	0	0

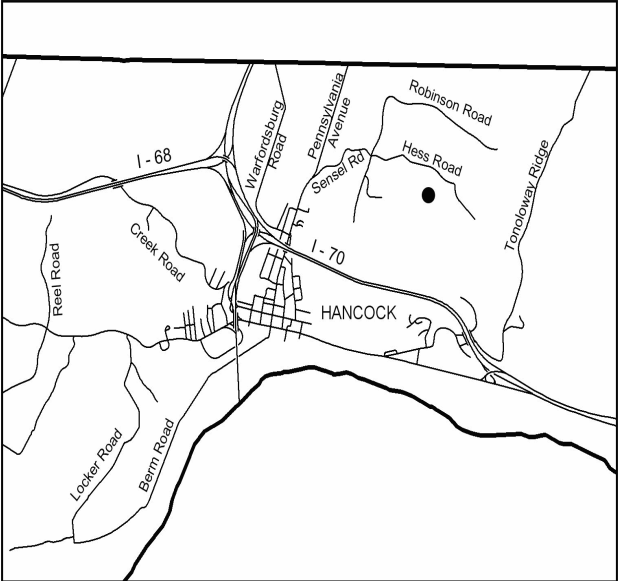
Project Title: Hancock Landfill - Gas Flares

Project Number: 997

Account Number: LDI038

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project will replace gas vents with gas flares at the Hancock Landfill.

Assumptions & Justifications:

This project will stop the release of Landfill gas into the atmosphere.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	76,500	76,500	0	0	0	0	0	0	0
Construction	504,100	127,100	377,000	0	0	0	0	0	0
Inspection	75,800	75,800	0	0	0	0	0	0	0
Total Cost	656,400	279,400	377,000	0	0	0	0	0	0

Funding Sources:

Self Supported Bond	83,600	83,600	0	0	0	0	0	0	0
Capital Reserve - Solid Waste	572,800	195,800	377,000	0	0	0	0	0	0
Total Funding	656,400	279,400	377,000	0	0	0	0	0	0

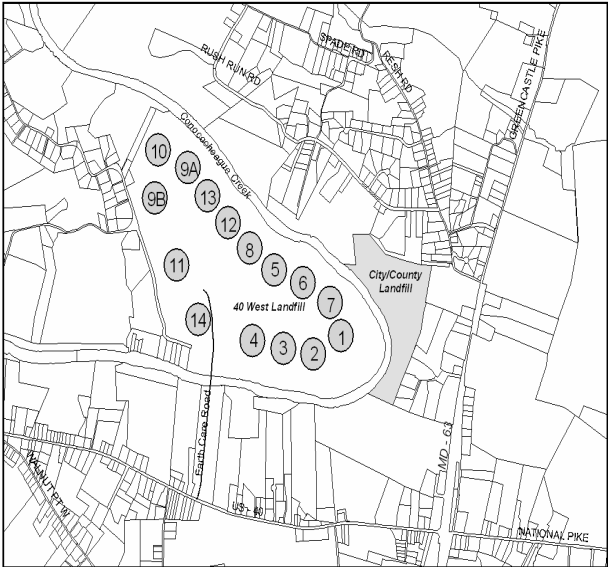
Project Title: City/County Leachate Upgrades

Project Number: 1075

Account Number: LDI040

Projected Annual FTE's: 0

Projected Operating Costs: \$23,000



Description:

The project will upgrade the existing leachate pump stations and storage tanks at the City/County landfill.

Assumptions & Justifications:

The infrastructure was installed in the mid 1990's. Inspection of the existing leachate conveyance and storage system by the County Division of Environmental Management staff concluded the system has exceeded its useful operational life, and requires upgrade and replacement.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	232,300	232,300	0	0	0	0	0	0	0
Construction	1,302,900	996,900	306,000	0	0	0	0	0	0
Total Cost	1,535,200	1,229,200	306,000	0	0	0	0	0	0

Funding Sources:

General Fund	35,372	35,372	0	0	0	0	0	0	0
Solid Waste Fund	552,428	552,428	0	0	0	0	0	0	0
Self Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - Solid Waste	947,400	641,400	306,000	0	0	0	0	0	0
Total Funding	1,535,200	1,229,200	306,000	0	0	0	0	0	0



Project Title: 40 West Pavement Rehab and Bridge Repair

Project Number: 1129

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project includes milling and paving roads and parking lots at the 40 West Landfill. This project will include any maintenance that may be required on the Earthcare Road Bridge.

Assumptions & Justifications:

Roads, parking lots and bridge will have been in service for 20+ years and will need rehabilitation.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	684,000	0	0	0	0	0	0	0	684,000
Total Cost	684,000	0	0	0	0	0	0	0	684,000

Funding Sources:

Self Supported Bond	684,000	0	0	0	0	0	0	0	684,000
Total Funding	684,000	0	0	0	0	0	0	0	684,000

Project Title: Seal Coating Closed Facilities

Project Number: 1138

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will Seal Coat Resh Road and City/County Landfill pavement.

Assumptions & Justifications:

Existing pavements at the closed facilities will be in need of pavement maintenance. The pavement needs to be maintained for maintenance vehicles and leachate hauling vehicles.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	840,000	0	0	0	0	0	0	0	840,000
Total Cost	840,000	0	0	0	0	0	0	0	840,000

Funding Sources:

Self Supported Bond	840,000	0	0	0	0	0	0	0	840,000
Total Funding	840,000	0	0	0	0	0	0	0	840,000

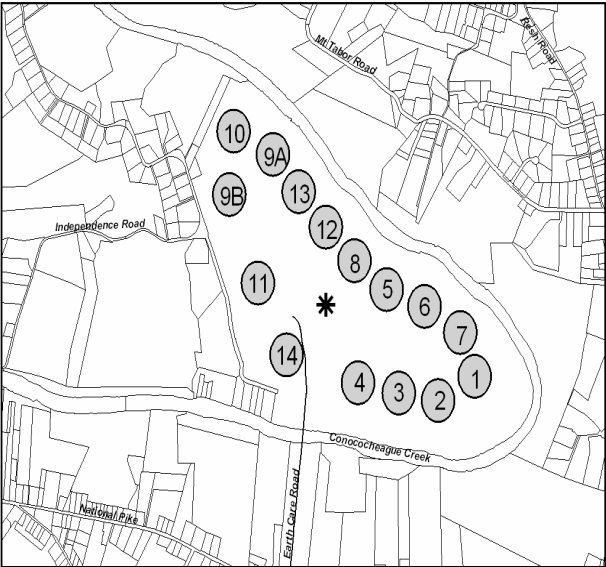
Project Title: 40 West Landfill Wetland Modifications

Project Number: 1239

Account Number: LDI047

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The wetlands were constructed in 2002 as a mitigation project caused by the construction of the Earthcare Road Bridge. Over the last eleven years, the monitoring and reporting has shown that the wetlands are not functioning as intended. The Maryland Department of the Environment has mandated that wetlands need to be reconstructed in an attempt to achieve the intent of the original mitigation project.

Assumptions & Justifications:

This project is a result of the mandate from the Maryland Department of the Environment.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	179,000	0	179,000	0	0	0	0	0	0
Total Cost	179,000	0	179,000	0	0	0	0	0	0

Funding Sources:

Capital Reserve - Solid Waste	179,000	0	179,000	0	0	0	0	0	0
Total Funding	179,000	0	179,000	0	0	0	0	0	0

Project Title:

40 West Landfill Abutment Washout

Project Number:

1240

Account Number:

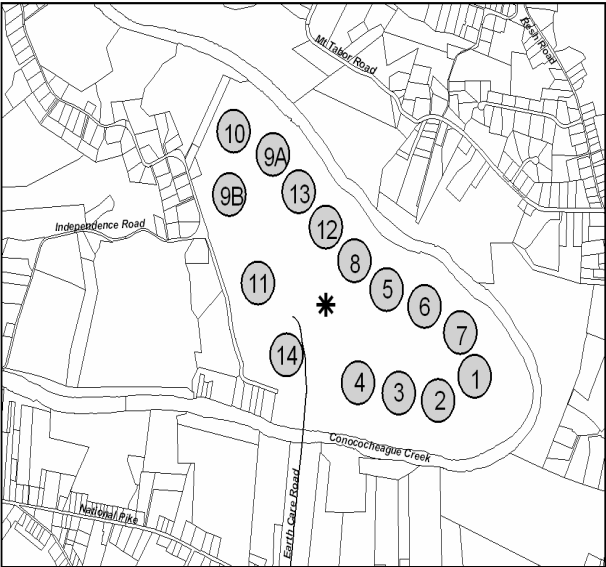
LDI050

Projected Annual FTE's:

0

Projected Operating Costs:

\$0



Description:

A washout near the north abutment of the Earthcare Road Bridge (40 West Landfill) was discovered in 2013. Repairs need to be made to the embankment to stop any additional erosion and potential damage to the bridge.

Assumptions & Justifications:

This project needs to be completed to stop any potential damage to the bridge abutment and stop further erosion from polluting the creek.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	77,000	0	77,000	0	0	0	0	0	0
Total Cost	77,000	0	77,000	0	0	0	0	0	0

Funding Sources:

Capital Reserve - Solid Waste	77,000	0	77,000	0	0	0	0	0	0
Total Funding	77,000	0	77,000	0	0	0	0	0	0

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**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Transit										
204	Fixed Route Bus Replacement Program	4,995,600	924,600	0	0	0	0	2,153,000	857,000	1,061,000
205	ADA Bus Replacement	798,000	65,000	71,000	74,000	0	78,000	90,000	109,000	311,000
206	Vehicle Maintenance Program	3,314,126	539,126	255,000	260,000	265,000	270,000	275,000	280,000	1,170,000
Transit Total		9,107,726	1,528,726	326,000	334,000	265,000	348,000	2,518,000	1,246,000	2,542,000
Funding Sources										
General Fund		867,061	138,061	0	34,000	27,000	35,000	252,000	125,000	256,000
Capital Reserve - Transit		33,000	0	33,000	0	0	0	0	0	0
Federal Grant		7,312,904	1,249,904	261,000	267,000	212,000	278,000	2,015,000	996,000	2,034,000
State Grant		894,761	140,761	32,000	33,000	26,000	35,000	251,000	125,000	252,000
		9,107,726	1,528,726	326,000	334,000	265,000	348,000	2,518,000	1,246,000	2,542,000

Project Title: Fixed Route Bus Replacement Program

Project Number: 134

Account Number: VEH003

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

FY 19 - Replace nine (9) fixed-route transit buses, Units 701 - 709 which will become 716 - 724  
FY 20 - Replace three (3) fixed-route transit buses, Units 710 - 712 which will become 725 - 727  
FY 22 - Replace three (3) fixed-route transit buses, Units 713 - 715 which will become 728 - 730  
FY 27 - Replace nine (9) fixed-route transit buses, Units 716- 724 which will become 731 - 739  
FY 28 - Replace three (3) fixed-route transit buses, Units 725 - 727 which will become 740 - 742  
FY 30 - Replace three (3) fixed-route transit buses, Units 728 - 730 which will become 743 - 745  
FY 35 - Replace nine (9) fixed-route transit buses, Units 731 - 739 which will become 746 - 754  
FY 36 - Replace three (3) fixed-route transit buses, Units 740 - 742 which will become 755 - 757

Assumptions & Justifications:

All out-year procurements will be based on available grant funds from MTA and local match approval. Dollar figures shown are provided by MTA based on the current small/mid-size bus contract. The project funding assumes 80% Federal, 10% State, 10% Local.

Following the Maryland Transit Administration (MTA) useful life criteria, MTA provides grant funding to replace existing vehicles when they reach the end of the useful life criteria. Out years are projected based on the current useful life schedule.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	0	0	0	0	0	0	0	0	0
Vehicles	4,995,600	924,600	0	0	0	0	2,153,000	857,000	1,061,000
Total Cost	4,995,600	924,600	0	0	0	0	2,153,000	857,000	1,061,000

Funding Sources:

General Fund	499,500	92,500	0	0	0	0	215,000	86,000	106,000
Federal Grant	3,996,700	739,700	0	0	0	0	1,723,000	685,000	849,000
State Grant	499,400	92,400	0	0	0	0	215,000	86,000	106,000
Total Funding	4,995,600	924,600	0	0	0	0	2,153,000	857,000	1,061,000

Project Title:       ADA Bus Replacement

Project Number:       138

Account Number:       VEH005

Projected Annual FTE's:       0

Projected Operating Costs:       \$0

Description:

FY 15 - Replace one (1) ADA Program bus (Unit 503) becomes 506  
FY 16 - Replace one (1) ADA Program bus (Unit 504) becomes 507  
FY 18 - Replace one (1) ADA Program bus (Unit 505) becomes 508  
FY 19 - Replace one (1) ADA Program bus (Unit 506) becomes 509  
FY 20 - Replace one (1) ADA Program bus (Unit 507) becomes 510  
FY 23 - Replace one (1) ADA Program bus (Unit 508) becomes 511  
FY 24 - Replace one (1) ADA Program bus (Unit 509) becomes 512  
FY 25 - Replace one (1) ADA Program bus (Unit 510) becomes 513  
FY 28 - Replace one (1) ADA Program bus (Unit 511) becomes 514  
FY 29 - Replace one (1) ADA Program bus (Unit 512) becomes 515  
FY 30 - Replace one (1) ADA Program bus (Unit 513) becomes 516  
FY 33 - Replace one (1) ADA Program bus (Unit 514) becomes 517  
FY 34 - Replace one (1) ADA Program bus (Unit 515) becomes 518  
FY 35 - Replace one (1) ADA Program bus (Unit 516) becomes 519

Assumptions & Justifications:

All out-year procurements will be based on available grant funds from MTA and local match approval. Dollar figures shown are provided by MTA based on the current small/mid-size bus contract. The project funding assumes 80% Federal, 10% State, 10% Local.

Following the Maryland Transit Administration (MTA) useful life criteria, MTA provides grant funding to replace existing vehicles when they reach the end of the useful life criteria. Out years are projected based on the current useful life schedule.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	798,000	65,000	71,000	74,000	0	78,000	90,000	109,000	311,000
<b>Total Cost</b>	<b>798,000</b>	<b>65,000</b>	<b>71,000</b>	<b>74,000</b>	<b>0</b>	<b>78,000</b>	<b>90,000</b>	<b>109,000</b>	<b>311,000</b>

Funding Sources:

General Fund	72,100	4,100	0	8,000	0	8,000	9,000	11,000	32,000
Capital Reserve - Transit	7,000	0	7,000	0	0	0	0	0	0
Federal Grant	640,100	54,100	57,000	59,000	0	62,000	72,000	87,000	249,000
State Grant	78,800	6,800	7,000	7,000	0	8,000	9,000	11,000	30,000
<b>Total Funding</b>	<b>798,000</b>	<b>65,000</b>	<b>71,000</b>	<b>74,000</b>	<b>0</b>	<b>78,000</b>	<b>90,000</b>	<b>109,000</b>	<b>311,000</b>



Project Title:        Vehicle Maintenance Program

Project Number:        1083

Account Number:        EQP021

Projected Annual FTE's:        0

Projected Operating Costs:        \$0

Description:

This project will provide for preventative maintenance and repairs of transit vehicles and facilities.

Assumptions & Justifications:

The project assumes funding 80% Federal, 10% State, 10% Local and is contingent on grant funding. Federal Transit Administration (FTA) determinations now allow for expenses such as tools, equipment, repair materials, and preventative care for the fleet of transit vehicles and transit facilities to be capitalized.

Maintaining federally funded assets is a priority to the Federal Transit Administration (FTA), Maryland Transit Administration (MTA) and Washington County Transit (WCT).

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	3,314,126	539,126	255,000	260,000	265,000	270,000	275,000	280,000	1,170,000
<b>Total Cost</b>	<b>3,314,126</b>	<b>539,126</b>	<b>255,000</b>	<b>260,000</b>	<b>265,000</b>	<b>270,000</b>	<b>275,000</b>	<b>280,000</b>	<b>1,170,000</b>

Funding Sources:

General Fund	295,461	41,461	0	26,000	27,000	27,000	28,000	28,000	118,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Capital Reserve - Transit	26,000	0	26,000	0	0	0	0	0	0
Federal Grant	2,676,104	456,104	204,000	208,000	212,000	216,000	220,000	224,000	936,000
State Grant	316,561	41,561	25,000	26,000	26,000	27,000	27,000	28,000	116,000
<b>Total Funding</b>	<b>3,314,126</b>	<b>539,126</b>	<b>255,000</b>	<b>260,000</b>	<b>265,000</b>	<b>270,000</b>	<b>275,000</b>	<b>280,000</b>	<b>1,170,000</b>

**Washington County, Maryland**  
**Capital Improvement 10yr Summary**  
**Fiscal Year 2015 - 2024**

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Project Costs										
Water Quality										
208	Contingency - Utility Admin	436,600	182,600	0	26,000	27,000	27,000	28,000	28,000	118,000
209	General Building Improvements	1,211,000	101,000	0	0	0	0	550,000	560,000	0
210	Laboratory Rehab of Ventilation System	270,000	0	0	0	0	270,000	0	0	0
211	WQ Equip/Vehicle Replacement Program	1,161,000	172,000	78,000	132,000	0	32,000	121,000	124,000	502,000
212	Contingency - Sewer	405,939	60,939	0	0	0	0	55,000	56,000	234,000
213	Smithsburg WwTP - Facility Improvements	16,549,970	5,253,970	0	0	0	0	0	11,296,000	0
214	Pump Station Upgrades - Various Stations	1,833,700	783,700	0	520,000	530,000	0	0	0	0
215	Conococheague WwTP - ENR Upgrades	31,104,410	16,346,410	2,952,000	5,903,000	5,903,000	0	0	0	0
216	Replace PO 2 Pump Station	1,349,000	0	0	0	1,349,000	0	0	0	0
217	PE Pump Station & Force Main	1,544,000	0	0	0	1,544,000	0	0	0	0
218	Antietam WwTP - Facility Improvements	1,690,000	580,000	510,000	0	0	0	0	0	600,000
219	New Roof at Conococheague WwTP	208,000	0	0	208,000	0	0	0	0	0
220	General WwTP Improvements	2,551,000	0	0	312,000	0	0	0	0	2,239,000
221	Collection System Rehabilitation Project	2,515,000	0	0	0	0	810,000	825,000	0	880,000
222	Sandy Hook WwTP	812,000	0	0	0	0	0	0	0	812,000
223	Heavy Sewer EQP and VEH Replacement	518,000	60,000	64,000	10,000	138,000	108,000	22,000	22,000	94,000
224	Upgrade Grinder Pump	212,000	0	41,000	42,000	42,000	43,000	44,000	0	0
225	Contingency - Water	430,800	154,800	0	26,000	27,000	29,000	31,000	31,000	132,000
226	WQ Water Main and Meter Replacement	1,693,000	203,000	102,000	0	318,000	0	0	0	1,070,000
227	Sandy Hook Water Treatment Plant EQP	110,000	0	0	0	0	0	110,000	0	0
228	General WTP Improvements	488,000	152,000	0	108,000	0	0	0	0	228,000
229	Sharpsburg Water Treatment Plant	216,000	0	0	0	0	216,000	0	0	0
230	Mt Aetna Water System Improvements	570,000	0	0	0	0	0	0	0	570,000
231	Highfield/Sharpsburg Water Storage Tank	348,000	0	0	0	0	0	0	0	348,000
Water Quality Total		68,227,419	24,050,419	3,747,000	7,287,000	9,878,000	1,535,000	1,786,000	12,117,000	7,827,000
Funding Sources										
Utility Admin Fund		1,502,100	379,100	78,000	158,000	27,000	59,000	149,000	152,000	500,000
Water Fund		1,192,300	535,300	102,000	26,000	306,000	29,000	31,000	31,000	132,000
Sewer Fund		3,595,549	2,621,549	64,000	52,000	180,000	151,000	121,000	78,000	328,000
Tax Supported Bond		104,500	104,500	0	0	0	0	0	0	0
Self Supported Bond		42,311,670	4,867,670	3,460,000	7,051,000	6,559,000	1,296,000	1,485,000	10,726,000	6,867,000
Excise Tax - Other		451,900	451,900	0	0	0	0	0	0	0
Capital Reserve - Sewer		43,000	0	43,000	0	0	0	0	0	0
State Grant		16,630,400	15,090,400	0	0	410,000	0	0	1,130,000	0
Contributions		2,396,000	0	0	0	2,396,000	0	0	0	0
		68,227,419	24,050,419	3,747,000	7,287,000	9,878,000	1,535,000	1,786,000	12,117,000	7,827,000

Project Title: Contingency - Utility Admin

Project Number: 106

Account Number: ADM003

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project provides a budgetary reserve for emergency or unanticipated expenditures.

Assumptions & Justifications:

Due to the inherent uncertainty in estimating capital project costs, it is the policy of the County to maintain project contingency. In the event that the capital contingency accounts have excess funds, the annual appropriation for the purpose may be modified to reflect the source of funds as determined through the budget process.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Other	436,600	182,600	0	26,000	27,000	27,000	28,000	28,000	118,000
Total Cost	436,600	182,600	0	26,000	27,000	27,000	28,000	28,000	118,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Utility Admin Fund	436,600	182,600	0	26,000	27,000	27,000	28,000	28,000	118,000
Total Funding	436,600	182,600	0	26,000	27,000	27,000	28,000	28,000	118,000

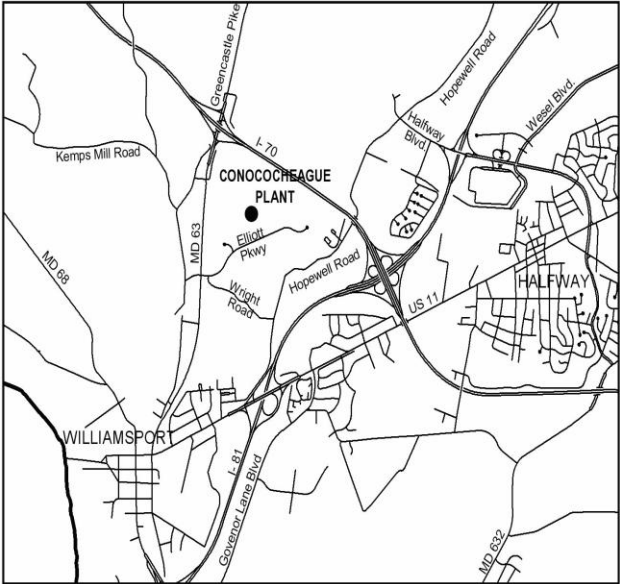
Project Title:      General Building Improvements

Project Number:      113

Account Number:      BLD073

Projected Annual FTE's:      0

Projected Operating Costs:      \$0



Description:

The project will provide for general building improvements to the administration office building.

Assumptions & Justifications:

This building is in need of improvements due to normal aging and is recommended by the manufacturer of the building.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	1,211,000	101,000	0	0	0	0	550,000	560,000	0
<b>Total Cost</b>	<b>1,211,000</b>	<b>101,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>	<b>560,000</b>	<b>0</b>

Funding Sources:

Utility Admin Fund	101,000	101,000	0	0	0	0	0	0	0
Self Supported Bond	1,110,000	0	0	0	0	0	550,000	560,000	0
<b>Total Funding</b>	<b>1,211,000</b>	<b>101,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>	<b>560,000</b>	<b>0</b>

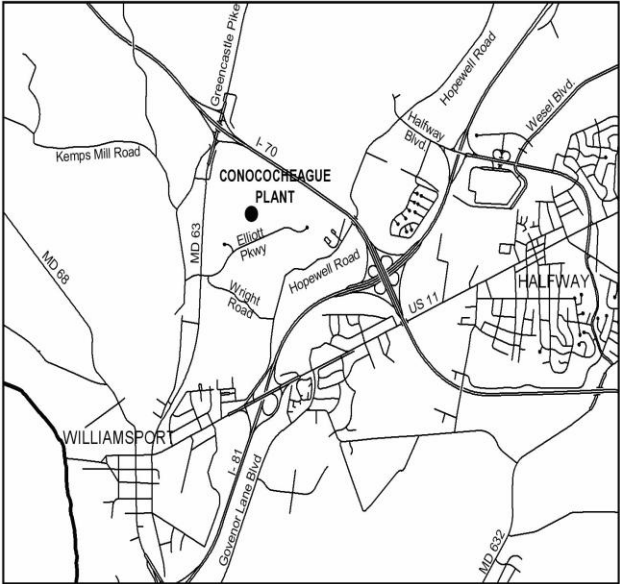
Project Title: Laboratory Rehab of Ventilation System

Project Number: 1162

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will upgrade the existing ventilation system within the laboratory.

Assumptions & Justifications:

The existing ventilation system will reach it's useful life and will need to be replaced.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	270,000	0	0	0	0	270,000	0	0	0
Total Cost	270,000	0	0	0	0	270,000	0	0	0

Funding Sources:

Self Supported Bond	270,000	0	0	0	0	270,000	0	0	0
Total Funding	270,000	0	0	0	0	270,000	0	0	0

Project Title:      WQ Equip and Vehicle Replacement

Project Number:      1175

Account Number:      VEH007

Projected Annual FTE's:      0

Projected Operating Costs:      \$0

Description:

The project will replace heavy equipment and vehicles that are beyond their useful life, which are typically the most costly to maintain. In line with the objectives of a well managed organization, Water Quality wants to establish an equipment and fleet replacement program that will, in time, set the vehicle and equipment replacement cycle inline with best practices, minimizing operating and maintenance costs.

Assumptions & Justifications:

The goal of the replacement program is to strike a balance for minimizing replacement costs versus maintenance and fuel costs. The program allows for the purchase of replacement vehicles and equipment used to provide services within the Water Quality service areas.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	320,000	17,000	0	132,000	0	0	33,000	34,000	104,000
Vehicles	841,000	155,000	78,000	0	0	32,000	88,000	90,000	398,000
Total Cost	1,161,000	172,000	78,000	132,000	0	32,000	121,000	124,000	502,000

Funding Sources:

Utility Admin Fund	964,500	95,500	78,000	132,000	0	32,000	121,000	124,000	382,000
Water Fund	25,500	25,500	0	0	0	0	0	0	0
Sewer Fund	51,000	51,000	0	0	0	0	0	0	0
Self Supported Bond	120,000	0	0	0	0	0	0	0	120,000
Total Funding	1,161,000	172,000	78,000	132,000	0	32,000	121,000	124,000	502,000

Project Title: Contingency - Sewer

Project Number: 114

Account Number: ADM008

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project is a budgetary reserve to provide for emergency or unanticipated expenditures.

Assumptions & Justifications:

Due to the inherent uncertainty in estimating capital project costs, it is the policy of the County to maintain project contingency. In the event that the capital contingency accounts have excess funds, the annual appropriation for the purpose may be modified to reflect the source of funds as determined through the budget process.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Other	405,939	60,939	0	0	0	0	55,000	56,000	234,000
Total Cost	405,939	60,939	0	0	0	0	55,000	56,000	234,000

Funding Sources:

Sewer Fund	405,939	60,939	0	0	0	0	55,000	56,000	234,000
Total Funding	405,939	60,939	0	0	0	0	55,000	56,000	234,000

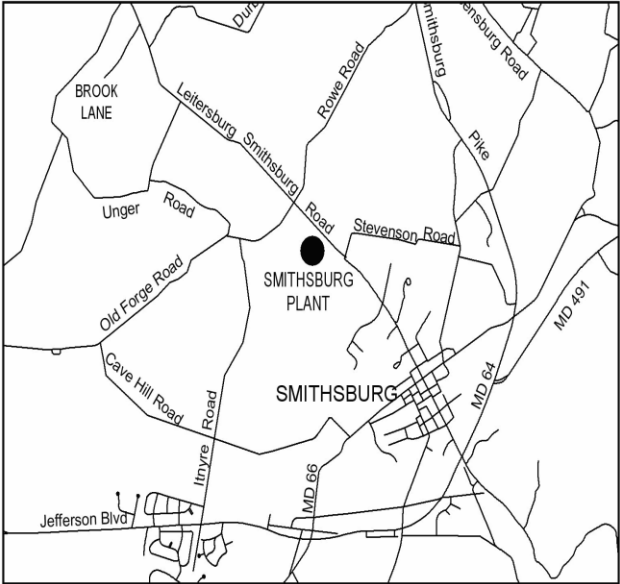
Project Title:       Smithsburg WwTP - Facility Improvements

Project Number:       115

Account Number:       TRP021

Projected Annual FTE's:       0

Projected Operating Costs:       \$10,000



Description:

The project will upgrade the facility to address Maryland Department of the Environment (MDE) strategy for Enhanced Nutrient Removal (ENR) and expand capacity to address growth needs of the area.

Assumptions & Justifications:

Pending grant funding approval

The upgrade is required to meet MDE's ENR strategy and to prepare for anticipated development in the area.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	435,470	435,470	0	0	0	0	0	0	0
Construction	16,114,500	4,818,500	0	0	0	0	0	11,296,000	0
Total Cost	16,549,970	5,253,970	0	0	0	0	0	11,296,000	0

Funding Sources:

Sewer Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	68,000	68,000	0	0	0	0	0	0	0
Self Supported Bond	15,019,670	4,853,670	0	0	0	0	0	10,166,000	0
Excise Tax - Other	0	0	0	0	0	0	0	0	0
State Grant	1,462,300	332,300	0	0	0	0	0	1,130,000	0
Total Funding	16,549,970	5,253,970	0	0	0	0	0	11,296,000	0



Project Title: Pump Station Upgrades - Various Stations

Project Number: 117

Account Number: LIN034

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project includes electrical and equipment upgrades.

Assumptions & Justifications:

Upgrades are required to address aging equipment issues.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	1,833,700	783,700	0	520,000	530,000	0	0	0	0
Total Cost	1,833,700	783,700	0	520,000	530,000	0	0	0	0

Funding Sources:

Sewer Fund	733,700	733,700	0	0	0	0	0	0	0
Tax Supported Bond	36,000	36,000	0	0	0	0	0	0	0
Self Supported Bond	1,064,000	14,000	0	520,000	530,000	0	0	0	0
Total Funding	1,833,700	783,700	0	520,000	530,000	0	0	0	0

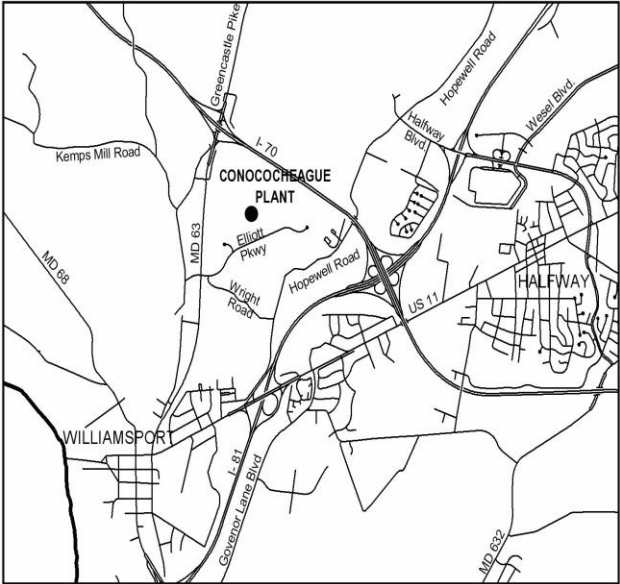
Project Title: Conococheague Wastewater Treatment

Project Number: 118

Account Number: TRP018

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project will plan, design, and construct upgrades required to meet Maryland Department of the Environment (MDE) Enhanced Nutrient Removal (ENR) strategy.

Assumptions & Justifications:

The upgrade is required to meet MDE's ENR Strategy.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	757,410	757,410	0	0	0	0	0	0	0
Construction	30,347,000	15,589,000	2,952,000	5,903,000	5,903,000	0	0	0	0
Total Cost	31,104,410	16,346,410	2,952,000	5,903,000	5,903,000	0	0	0	0

Funding Sources:

Sewer Fund	1,135,910	1,135,910	0	0	0	0	0	0	0
Tax Supported Bond	500	500	0	0	0	0	0	0	0
Self Supported Bond	14,758,000	0	2,952,000	5,903,000	5,903,000	0	0	0	0
Excise Tax - Other	451,900	451,900	0	0	0	0	0	0	0
State Grant	14,758,100	14,758,100	0	0	0	0	0	0	0
Total Funding	31,104,410	16,346,410	2,952,000	5,903,000	5,903,000	0	0	0	0

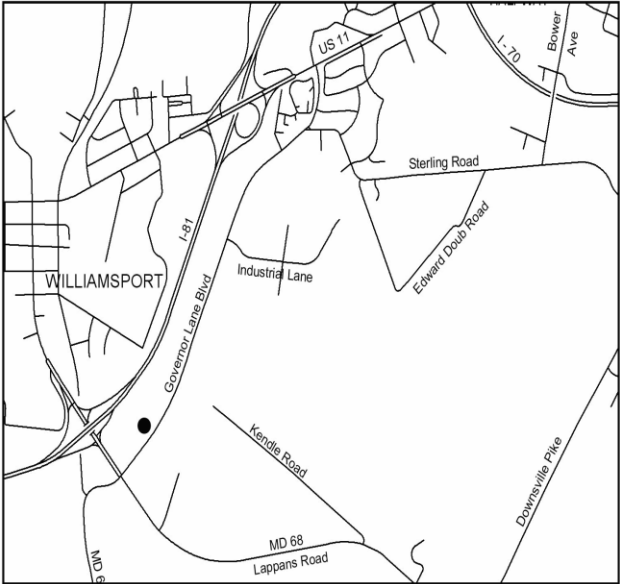
Project Title: Replace PO 2 Pump Station

Project Number: 120

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project involves replacement of the PO 2 pump station.

Assumptions & Justifications:

The current pump station will be unable to handle future sewage flow attributed to development in the service area. Therefore, the pump station will need to be replaced at the developers expense to handle the projected flows.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	1,349,000	0	0	0	1,349,000	0	0	0	0
Total Cost	1,349,000	0	0	0	1,349,000	0	0	0	0

Funding Sources:

Self Supported Bond	0	0	0	0	0	0	0	0	0
Contributions	1,349,000	0	0	0	1,349,000	0	0	0	0
Total Funding	1,349,000	0	0	0	1,349,000	0	0	0	0

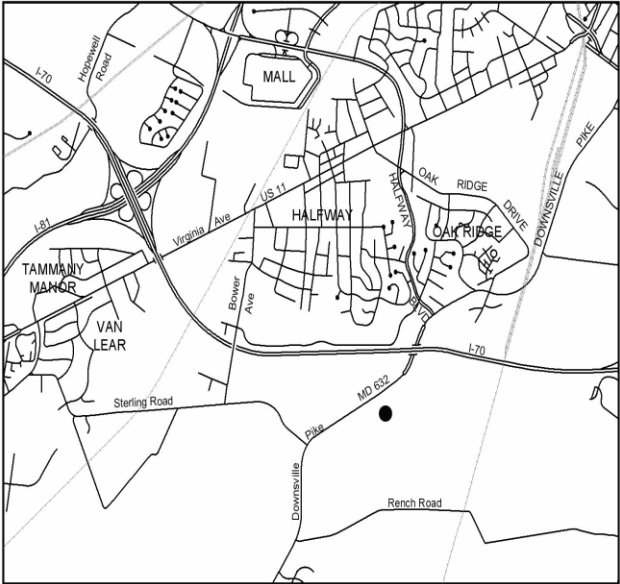
Project Title: Potomac Edison Pump Station & Force

Project Number: 121

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will provide for the relocation of the existing force main and the Potomac Edison pump station.

Assumptions & Justifications:

Pending grant funding approval

Relocation of the Potomac Edison pump station and force main is required to facilitate service of the properties in the revised Urban Growth Area Boundary.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	1,544,000	0	0	0	1,544,000	0	0	0	0
Total Cost	1,544,000	0	0	0	1,544,000	0	0	0	0

Funding Sources:

Self Supported Bond	87,000	0	0	0	87,000	0	0	0	0
State Grant	410,000	0	0	0	410,000	0	0	0	0
Contributions	1,047,000	0	0	0	1,047,000	0	0	0	0
Total Funding	1,544,000	0	0	0	1,544,000	0	0	0	0

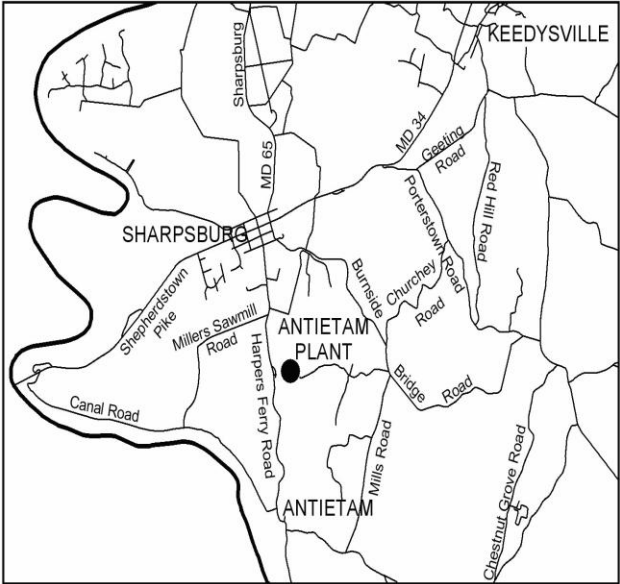
Project Title:      Antietam WwTP - Facility Improvements

Project Number:      122

Account Number:      TRP017

Projected Annual FTE's:      0

Projected Operating Costs:      \$0



Description:

The project will upgrade the facility to meet current and future EPA and MDE permit requirements.

Assumptions & Justifications:

The project will upgrade the facility to address deteriorating conditions of the infrastructure due to aging.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	130,000	70,000	0	0	0	0	0	0	60,000
Construction	1,560,000	510,000	510,000	0	0	0	0	0	540,000
Total Cost	1,690,000	580,000	510,000	0	0	0	0	0	600,000

Funding Sources:

Sewer Fund	580,000	580,000	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Self Supported Bond	1,108,000	0	508,000	0	0	0	0	0	600,000
Excise Tax - Other	0	0	0	0	0	0	0	0	0
Capital Reserve - Sewer	2,000	0	2,000	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	1,690,000	580,000	510,000	0	0	0	0	0	600,000

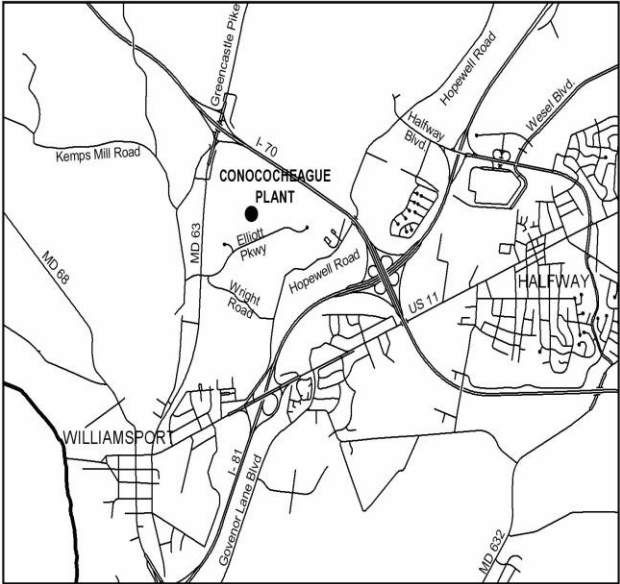
Project Title:      Roof replacement at Conococheague

Project Number:       1077

Account Number:

Projected Annual FTE's:      0

Projected Operating Costs:    \$0



Description:

The project involves the replacement of operational building roofs at the Conococheague Wastewater Treatment Plant.

Assumptions & Justifications:

Inspection of the roofs has shown aging and deterioration due to age. Reports have indicated that the roofs will need to be replaced and patching will only be a temporary fix until funds are available for full replacement.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	208,000	0	0	208,000	0	0	0	0	0
<b>Total Cost</b>	<b>208,000</b>	<b>0</b>	<b>0</b>	<b>208,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Funding Sources:

Self Supported Bond	208,000	0	0	208,000	0	0	0	0	0
<b>Total Funding</b>	<b>208,000</b>	<b>0</b>	<b>0</b>	<b>208,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Project Title:      General WwTP Improvements

Project Number:      1078

Account Number:

Projected Annual FTE's:      0

Projected Operating Costs:      \$0

Description:

The project involves general upgrades including electrical systems and equipment as required to address aging infrastructure and regulatory requirements.

Assumptions & Justifications:

Upgrades are required to address aging infrastructure and equipment. Some of these upgrades may not have been accomplished under previous projects due to grant funding restrictions.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	120,000	0	0	0	0	0	0	0	120,000
Construction	2,431,000	0	0	312,000	0	0	0	0	2,119,000
Total Cost	2,551,000	0	0	312,000	0	0	0	0	2,239,000

Funding Sources:

Self Supported Bond	2,551,000	0	0	312,000	0	0	0	0	2,239,000
Total Funding	2,551,000	0	0	312,000	0	0	0	0	2,239,000

Project Title:      Collection System Rehabilitation Project

Project Number:      1159

Account Number:

Projected Annual FTE's:      0

Projected Operating Costs:      \$0

Description:

This project will rehabilitate existing sewer lines.

Assumptions & Justifications:

The Collection Systems in the County are aging and showing normal deterioration which requires repairs, slip lining or replacement to reduce the amount of Inflow and Infiltration (I&I) entering the system and to reduce the potential of line breaks and/sewer overflows. I&I impacts the budget by increasing the amount of water requiring treatment without increasing the revenue to pay for this expense. Sewer line breaks and sewer overflows cause environmental issues.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	2,515,000	0	0	0	0	810,000	825,000	0	880,000
<b>Total Cost</b>	<b>2,515,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>810,000</b>	<b>825,000</b>	<b>0</b>	<b>880,000</b>

Funding Sources:

Self Supported Bond	2,515,000	0	0	0	0	810,000	825,000	0	880,000
<b>Total Funding</b>	<b>2,515,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>810,000</b>	<b>825,000</b>	<b>0</b>	<b>880,000</b>



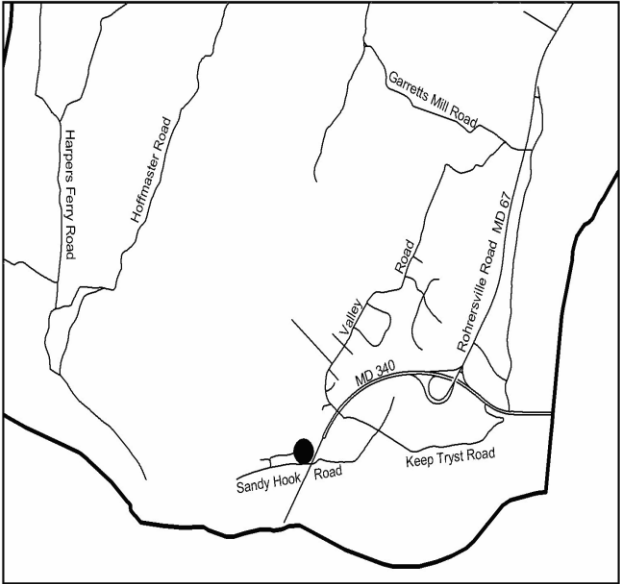
Project Title: Sandy Hook WwTP

Project Number: 1172

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project will provide for the treatment plant upgrade.

Assumptions & Justifications:

Aging equipment will be reaching the manufacturer's useful life and will require upgrades or repairs.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Engineering/Design	116,000	0	0	0	0	0	0	0	116,000
Construction	696,000	0	0	0	0	0	0	0	696,000
Total Cost	812,000	0	0	0	0	0	0	0	812,000

Funding Sources:

Self Supported Bond	812,000	0	0	0	0	0	0	0	812,000
Total Funding	812,000	0	0	0	0	0	0	0	812,000

Project Title: Heavy Sewer EQP and VEH Replacement

Project Number: 1215

Account Number: VEH010

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project will replace heavy equipment and vehicles that are beyond their useful life, which are typically the most costly to maintain. In line with the objectives of a well managed organization, Water Quality strives to establish an equipment and fleet replacement program that will, in time, set the vehicle and equipment replacement cycle inline with best practices, minimizing operating and maintenance costs.

Assumptions & Justifications:

The goal of the replacement program is to strike a balance for minimizing replacement costs versus maintenance and fuel costs. The program allows for the purchase of replacement vehicles and equipment used to provide services within the Water Quality service areas.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	87,000	30,000	33,000	0	0	0	0	0	24,000
Vehicles	431,000	30,000	31,000	10,000	138,000	108,000	22,000	22,000	70,000
Total Cost	518,000	60,000	64,000	10,000	138,000	108,000	22,000	22,000	94,000

Funding Sources:

Sewer Fund	518,000	60,000	64,000	10,000	138,000	108,000	22,000	22,000	94,000
Total Funding	518,000	60,000	64,000	10,000	138,000	108,000	22,000	22,000	94,000

Project Title: Upgrade Grinder Pump

Project Number: 1251

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project will provide the replacement of core units of aging infrastructure and will extend the life of the system.

Assumptions & Justifications:

Some of the existing grinder pumps have reached their life expectancy and need to be replaced.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Equipment/Furniture	212,000	0	41,000	42,000	42,000	43,000	44,000	0	0
Total Cost	212,000	0	41,000	42,000	42,000	43,000	44,000	0	0

Funding Sources:

Sewer Fund	171,000	0	0	42,000	42,000	43,000	44,000	0	0
Capital Reserve - Sewer	41,000	0	41,000	0	0	0	0	0	0
Total Funding	212,000	0	41,000	42,000	42,000	43,000	44,000	0	0

Project Title: Contingency - Water

Project Number: 126

Account Number: ADM007

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project is a budgetary reserve to provide for emergency or unanticipated expenditures.

Assumptions & Justifications:

Due to the inherent uncertainty in estimating capital project costs, it is the policy of the County to maintain project contingency. In the event that the capital contingency accounts have excess funds, the annual appropriation for the purpose may be modified to reflect the source of funds as determined through the budget process.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Other	430,800	154,800	0	26,000	27,000	29,000	31,000	31,000	132,000
Total Cost	430,800	154,800	0	26,000	27,000	29,000	31,000	31,000	132,000

Funding Sources:

Water Fund	430,800	154,800	0	26,000	27,000	29,000	31,000	31,000	132,000
Total Funding	430,800	154,800	0	26,000	27,000	29,000	31,000	31,000	132,000

Project Title:      WQ Water Main and Meter Replacement

Project Number:      130

Account Number:      LIN004

Projected Annual FTE's:      0

Projected Operating Costs:      \$0

Description:

The project will replace aging water mains and meters in various water distribution systems.

Assumptions & Justifications:

Replacement is needed due to the age deterioration of the water mains and meters.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	1,693,000	203,000	102,000	0	318,000	0	0	0	1,070,000
<b>Total Cost</b>	<b>1,693,000</b>	<b>203,000</b>	<b>102,000</b>	<b>0</b>	<b>318,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,070,000</b>

Funding Sources:

Water Fund	584,000	203,000	102,000	0	279,000	0	0	0	0
Self Supported Bond	1,109,000	0	0	0	39,000	0	0	0	1,070,000
<b>Total Funding</b>	<b>1,693,000</b>	<b>203,000</b>	<b>102,000</b>	<b>0</b>	<b>318,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,070,000</b>

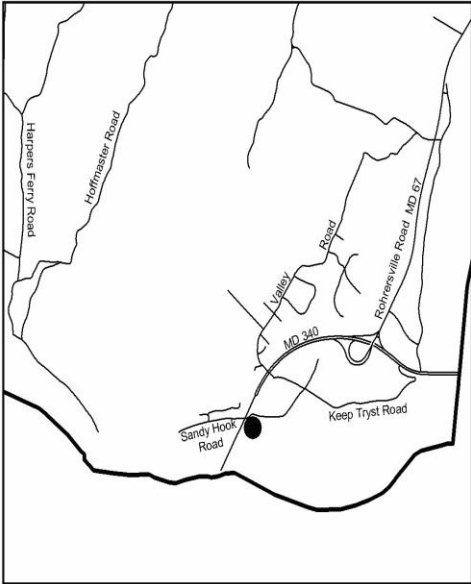
Project Title: Sandy Hook Water Treatment Plant EQP

Project Number: 131

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will upgrade and replace water treatment equipment at Sandy Hook.

Assumptions & Justifications:

Upgrade and or replacement is required due to the age of the equipment and manufacturer's recommendation.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	110,000	0	0	0	0	0	110,000	0	0
Total Cost	110,000	0	0	0	0	0	110,000	0	0

Funding Sources:

Water Fund	0	0	0	0	0	0	0	0	0
Self Supported Bond	110,000	0	0	0	0	0	110,000	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	110,000	0	0	0	0	0	110,000	0	0

Project Title:      General Water Treatment Plant

Project Number:      132

Account Number:      TRP025

Projected Annual FTE's:      0

Projected Operating Costs:      \$0

Description:

The project involves general upgrades to water treatment plants including electrical systems and equipment.

Assumptions & Justifications:

Upgrades are required to address aging equipment, maintain a high level of water quality, and address Federal and State regulations.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	488,000	152,000	0	108,000	0	0	0	0	228,000
<b>Total Cost</b>	<b>488,000</b>	<b>152,000</b>	<b>0</b>	<b>108,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>228,000</b>

Funding Sources:

Water Fund	152,000	152,000	0	0	0	0	0	0	0
Self Supported Bond	336,000	0	0	108,000	0	0	0	0	228,000
<b>Total Funding</b>	<b>488,000</b>	<b>152,000</b>	<b>0</b>	<b>108,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>228,000</b>

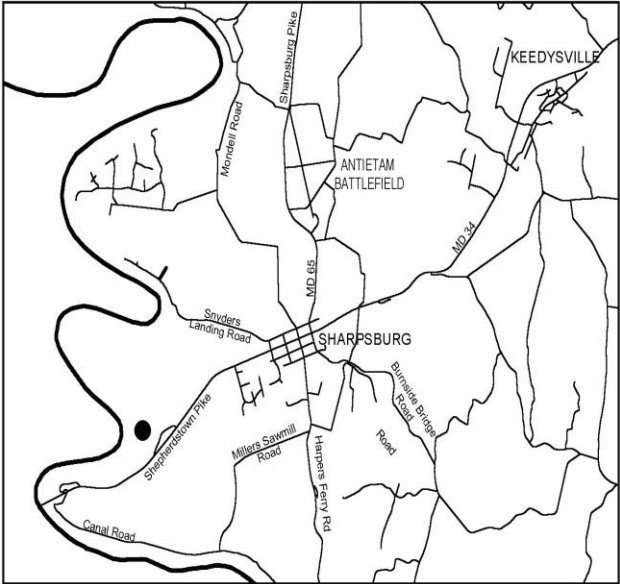
Project Title:      Sharpsburg Water Treatment Plant

Project Number:      1161

Account Number:

Projected Annual FTE's:      0

Projected Operating Costs:      \$0



Description:

The project includes Sharpsburg Water Treatment Plant upgrades required by Federal and State regulations.

Assumptions & Justifications:

Regulations continue to become more restrictive, thus requiring the plant to be upgraded to insure compliance with Drinking Water Regulations.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	216,000	0	0	0	0	216,000	0	0	0
<b>Total Cost</b>	<b>216,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>216,000</b>	<b>0</b>	<b>0</b>	<b>0</b>

Funding Sources:

Self Supported Bond	216,000	0	0	0	0	216,000	0	0	0
<b>Total Funding</b>	<b>216,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>216,000</b>	<b>0</b>	<b>0</b>	<b>0</b>



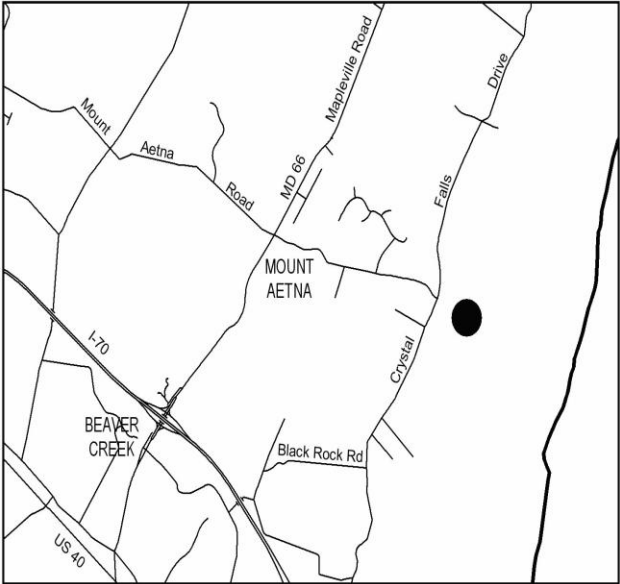
Project Title: Mt Aetna Water System Improvements

Project Number: 1169

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project includes general plant and system improvements.

Assumptions & Justifications:

The project includes the replacement and upgrade of aging infrastructure and manufacturer recommendations.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	570,000	0	0	0	0	0	0	0	570,000
Total Cost	570,000	0	0	0	0	0	0	0	570,000

Funding Sources:

Self Supported Bond	570,000	0	0	0	0	0	0	0	570,000
Total Funding	570,000	0	0	0	0	0	0	0	570,000

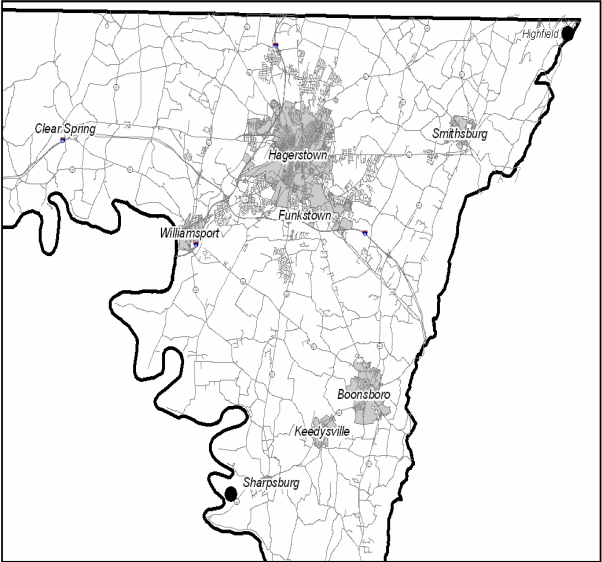
Project Title: Highfield and Sharpsburg Water Storage

Project Number: 1170

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project includes rehabilitation of the existing water storage tanks.

Assumptions & Justifications:

Rehabilitation of the tank structures is required as they age to extend their life expectancy and for the continuation of operation.

10 year plan	Total	Prior Years	2015	2016	2017	2018	2019	2020	Future
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Project Costs:

Construction	348,000	0	0	0	0	0	0	0	348,000
Total Cost	348,000	0	0	0	0	0	0	0	348,000

Funding Sources:

Self Supported Bond	348,000	0	0	0	0	0	0	0	348,000
Total Funding	348,000	0	0	0	0	0	0	0	348,000

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