

Washington County
MARYLAND

Ten Year Capital Improvement Plan Fiscal Year 2014



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Introduction





County Commissioners of Washington County



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 Trade 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. Ms. Callaham was elected to serve on the Washington County Board of Education (2006-2010), and was appointed to the Board of County 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 employed by Roger Fairborn Real Estate. He graduated from the Maryland Association of Realtors' 2008 Leadership Academy and received a Graduate of Realtor Institute (GRI) designation. Mr. Cline served on the Williamsport Town Council (2005-2009).



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 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):

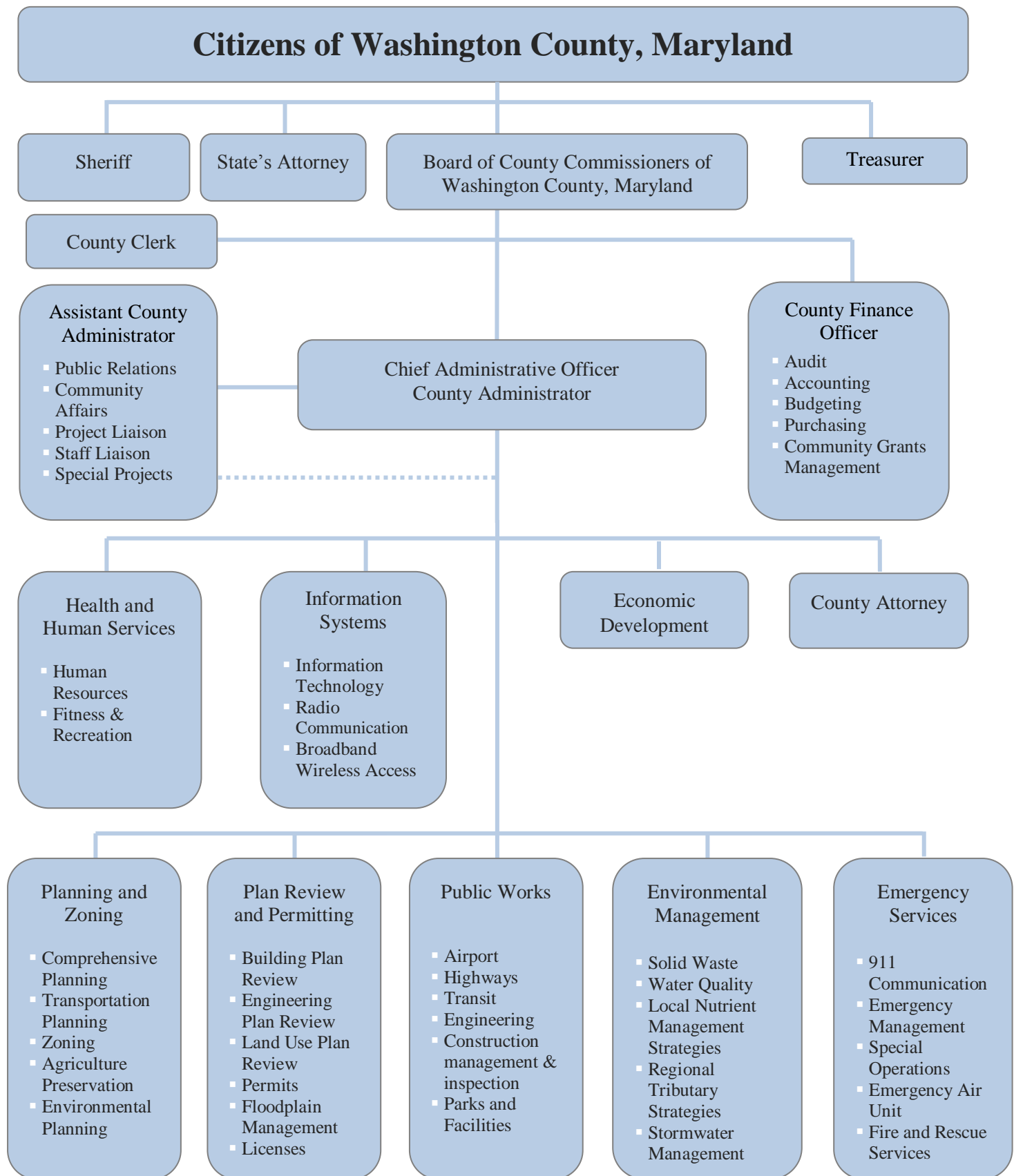
Supporting and strengthening individual and community self-reliance and responsibility;

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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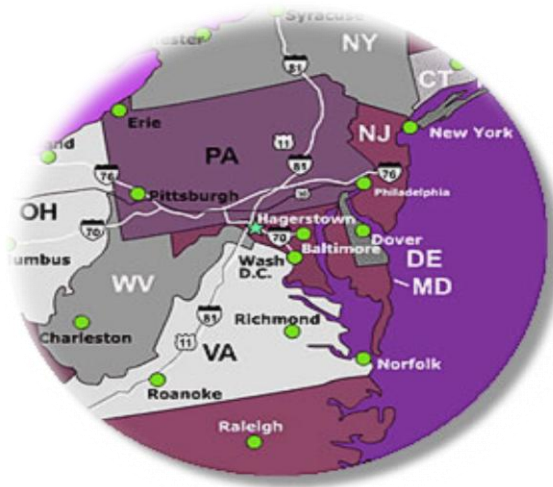


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Community Profile

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 Battlefield – 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, Augustoferfest, 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 272-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 196 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, 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 95 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 42 troopers assigned to the local barrack, which is located just south of Hagerstown. The Hagerstown Police Department has a full-time force of 105 officers. In addition, the Hancock Police Department, the Smithsburg Police Department, and the Boonsboro Police Department each employ four police officers in their respective departments.

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.

Economic Development Commission

The Hagerstown-Washington County Economic Development Commission (the “EDC”) 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 Board of Directors is comprised of 12 unpaid volunteers and eight *ex-officio* members. As representatives of the local business community, the Board of Directors 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 EDC currently has three 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
2012 estimate	154,000
2015 projected	158,450
2020 projected	163,100
2025 projected	172,180

Sources: U.S. Census Bureau (2000); U.S. Census Bureau, Census 2010; Projections by the Maryland Department of Planning (2010).

Population Statistics

Age:	19 & under	25.3%
	20-64 (workforce age)	60.2%
	65 & older	14.5%
	Median Age	39.7
Gender:	Male	50.9%
	Female	49.1%
Race:	White	84.3%
	Black	9.9%
	Other	5.8%

Source: U.S. Census Bureau, 2010 American Community Survey.

County Income

Per Capita Income	\$ 25,597
Median Household Income	\$ 51,579
Average Household Income	\$ 65,718
Median Family Income	\$ 61,419

Sources: U.S. Dept. of Commerce, Bureau of Economic Analysis (2009); U.S. Census Bureau, 2010 American Community Survey.

Housing

2012 Median Selling Price

Washington County	\$ 149,000
Maryland	\$ 244,912

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: Nielson-Claritas, Inc. 2013.

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: 23.1

Public Enrollment: 22,206

37 Private Schools

Sources: Washington County Board of Education (2012); MD Department of Education (2010); U.S. Census Bureau, 2010 American Community Survey.

County Water Quality Systems

	<u>Total # of Services</u>
Full Service Water	1,320
Full Service Sewer	6,845
Collection Service Sewer	3,516
Total	11,681

Source: Washington County Department of Environmental Management.

County Building Permits (000s)

	<u>Number</u>	<u>Value</u>
Residential New	152	\$ 32,660
Other Permits	1,536	\$ 47,306
Total	1,688	\$ 79,966

Source: Washington County Department of Plan Review and Permitting.

County Employment Statistics

Civilian Labor Force	71,003
Employed	65,218
Unemployed	5,785
Unemployment Rate	8.60%
State Average	6.90%

Source: MD Department of Labor, Licensing & Regulation.

Top 15 Employers in Washington County

	<u>Employer</u>	<u>Employment</u>
1	Washington County Public Schools	2,985
2	Meritus Health, Inc.	2,860
3	Citi	2,750
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	893
9	The Bowman Group, LLP	755
10	Federal Government	705
11	FedEx Ground	648
12	Staples Distribution Center	567
13	Merkle Response Services, Inc.	520
14	Sierra Nevada Corporation	486
15	City of Hagerstown	461

Source: Hagerstown-Washington County Economic Development Commission.

County Business Patterns

<u>Industry</u>	<u>Total # Establishments</u>
Services	1,223
Retail Trade	610
Construction	363
Other	389
Wholesale Trade	153
Finance, Insurance, Real Estate	337
Transportation/Warehousing	160
Manufacturing	126
Information	56
Utilities	5
Mining	2
Agricultural	1
Total	3,425

Sources: U.S. Census Bureau, County Business Patterns. Agricultural and mining data is based on information provided by employers to Hagerstown-Washington County Economic Development Commission.

**Top 20 Largest Taxpayers in Washington County
as of June 30, 2012
Ranked by Assessed Value**

<u>Taxpayer</u>	<u>Assessed Value</u>
1 PR Valley Limited Partnership (Valley Mall)	\$ 103,099,240
2 Outlet Village of Hagerstown LLC	98,967,210
3 Potomac Edison	67,322,070
4 Bowman Group	60,582,410
5 Washington Real Estate	58,041,533
6 FedEx Ground Package System, Inc.	55,122,260
7 254 Hagerstown/Citigroup/Citicorp	51,215,430
8 Staples of Maryland LLC	47,179,257
9 Verizon-Maryland	45,775,560
10 Wal-Mart Stores/Wal-Mart R. E./Sam's R. E./Sam's East	43,843,357
11 IIT Hagerstown Distribution Center	40,959,100
12 Liberty Property Limited	37,607,067
13 GP Hagerstown Limited Partnership	36,957,300
14 Lowe's Home Centers, Inc.	35,549,620
15 FR Hagerstown LLC (Lippincott & PetSmart)	33,795,800
16 T. Rowe Price/TRP	33,756,680
17 Mack Trucks Inc.	30,298,480
18 Tractor Supply Company	30,061,843
19 Norfolk Southern Combined Rail	25,598,730
20 Columbia Gas of Maryland	17,785,060

Source: Washington County Treasurer's Office.

Capital Improvement Plan Development



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, and the Director of Public Works 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 ten-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 includes health related impacts such as illness due to poor water quality, health hazards due to sewer problems, or contamination from landfill sites.
4. Conformity to County Commissioners Goals and Plans - If a capital project directly addresses the County Commissioner’s goals and plans, the relative attractiveness of that project increases. The project should tie into the Comprehensive plans or other written plans and goals of the County.
5. Conformity to Agency, Department and Jurisdictional Plans – If a capital project directly addresses the written plans of the agency, department or jurisdiction, the value of the project increases.
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, personnel, and debt service, 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 2014 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 2014 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.

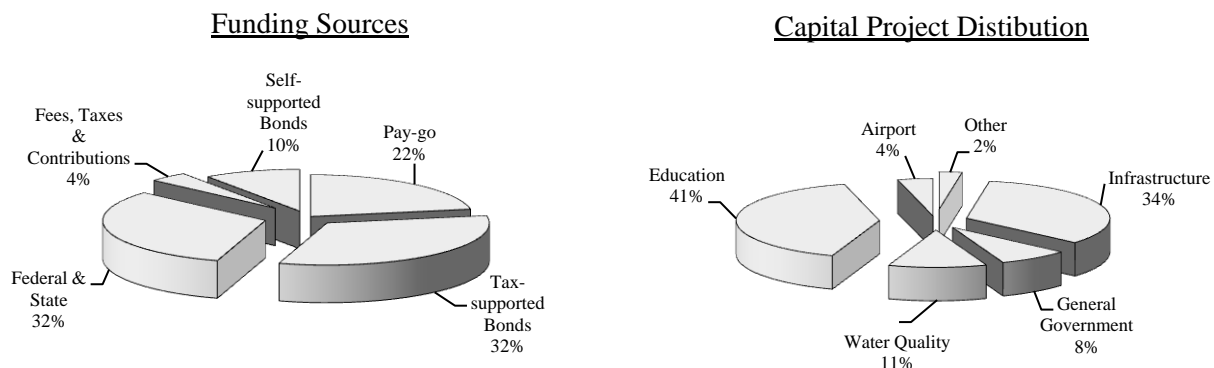
Fiscal Year 2014 Overview

FY 2014
Overview



FY14 Capital Improvement Budget Overview

A graphic illustration of planned capital project distribution and funding sources for fiscal year 2014 is shown below. The fiscal year 2014 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. Departmental staff plans, 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 represents 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 2014 is approximately \$21.6 million.

The ten-year operating budget impact for major projects approved in the fiscal year 2014 Capital Budget are presented in the project detail schedule located in the next section. Operating cost include personnel, supplies, maintenance, and other major operational costs.

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 the 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
2009	888	1,483	1.08%	1.39%	6.90%	8.07%	.26%	.36%
2010	855	1,650	.98%	1.46%	6.60%	8.16%	.27%	.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 estimated	883	1,573	1.09%	1.50%	7.34%	8.77%	.25%	.38%

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	Target	Projected	Target	Projected	Target	Projected	Target
2014	902	1,573	1.09%	1.50%	7.43%	8.77%	.26%	.38%
2015	920	1,573	1.10%	1.50%	7.53%	8.77%	.26%	.38%
2016	938	1,573	1.10%	1.50%	7.43%	8.77%	.26%	.38%
2017	953	1,573	1.11%	1.50%	7.47%	8.77%	.26%	.38%
2018	970	1,573	1.11%	1.50%	7.29%	8.77%	.25%	.38%
2019	987	1,573	1.11%	1.50%	7.15%	8.77%	.25%	.38%
2020	1,000	1,573	1.11%	1.50%	7.36%	8.77%	.26%	.38%
2021	1,009	1,573	1.10%	1.50%	7.52%	8.77%	.26%	.38%
2022	1,019	1,573	1.10%	1.50%	7.29%	8.77%	.26%	.38%

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	Target	Projected	Target	Projected	Target	Projected	Target
2023	1,025	1,573	1.09%	1.50%	7.41%	8.77%	.26%	.38%
2024	1,028	1,573	1.08%	1.50%	7.56%	8.77%	.27%	.38%
2025	1,027	1,573	1.06%	1.50%	7.66%	8.77%	.27%	.38%
2026	1,024	1,573	1.04%	1.50%	7.59%	8.77%	.27%	.38%
2027	1,020	1,573	1.02%	1.50%	7.53%	8.77%	.27%	.38%
2028	1,012	1,573	1.00%	1.50%	7.64%	8.77%	.28%	.38%
2029	1,012	1,573	.98%	1.50%	6.99%	8.77%	.25%	.38%
2030	1,011	1,573	.97%	1.50%	6.92%	8.77%	.25%	.38%
2031	1,004	1,573	.95%	1.50%	7.13%	8.77%	.26%	.38%
2032	996	1,573	.93%	1.50%	7.05%	8.77%	.26%	.38%
2033	987	1,573	.90%	1.50%	6.99%	8.77%	.26%	.38%

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 in the model used, 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.

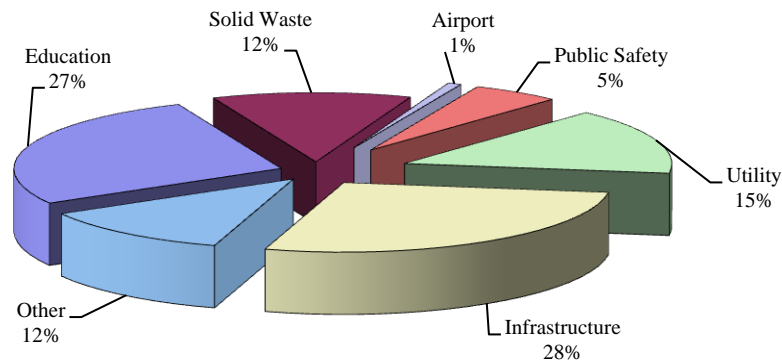
The estimated maximum debt capacity is not intended to be an absolute limit or a recommendation on the amount of debt that can be incurred. It should be used as a guide for better long-term financial planning and improving capital budgeting. Debt capacity estimates can assist long-term capital planning 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, 2013 by project category:

Percentage of Debt Outstanding by Project Category



The table on the following page shows the current outstanding balance at June 30, 2013 and the estimated impact of debt service on the Operating Budget for FY 2014.

Current Debt Balance and FY 2014 Principal and Interest Costs

Description	FY 2013 Balance	FY 2014 Principal	FY 2014 Interest	Total Debt Service
General Fund:				
2002 Public Improvement & Refunding Bonds	\$ 1,439,742	\$ 701,530	\$ 66,966	\$ 768,496
2003A Public Improvement & Refunding Bonds	1,444,381	1,036,951	53,699	1,090,650
2005 Public Improvement & Refunding Bonds	10,517,035	2,660,816	420,681	3,081,497
2006 Public Facilities Bonds	1,440,000	460,000	59,400	519,400
2007 Public Improvement Bonds	10,940,330	531,649	453,666	985,315
2008 Public Improvement Bonds	12,556,252	615,350	505,978	1,121,328
2009 Public Improvement & Refunding Bonds	11,555,429	847,397	404,652	1,252,049
2010 Ser A Public Improvement Bonds	4,111,167	465,294	102,043	567,337
2010 Ser B Build America Bonds	6,957,113	0	232,193	232,193
2010 Refunding Bonds	9,931,850	1,084,396	277,978	1,362,374
2011 Public Improvement Bonds	10,540,341	417,286	396,081	813,367
2012 Public Improvement Bonds	12,068,100	434,764	334,318	769,082
2012 Refunding Bonds	6,033,410	360,570	213,740	574,310
2013 Public Improvement Bonds	12,000,000	424,326	251,184	675,510
2013 Refunding Bonds	12,362,423	0	506,226	506,226
MD Water Quality Solid Waste Refinancing	1,688,881	33,357	16,889	50,246
MD Water Quality Resh Capping Ph 1	3,773,684	252,464	37,736	290,200
Total General Fund Existing Debt	\$ 129,360,138	\$ 10,326,150	\$ 4,333,430	\$ 14,659,580
2014 Planned Debt:				
2014 Public Improvement Bonds	14,000,000	0	0	0
Total General Fund Debt	\$ 143,360,138	\$ 10,326,150	\$ 4,333,430	\$ 14,659,580
Highway:				
2008 Public Improvement Bonds	\$ 2,424,060	\$ 118,800	\$ 97,680	\$ 216,480
Total Highway Existing Debt	\$ 2,424,060	\$ 118,800	\$ 97,680	\$ 216,480
Solid Waste:				
2002 Public Improvement & Refunding Bonds	\$ 130,258	\$ 63,470	\$ 6,059	\$ 69,529
2003A Public Improvement & Refunding Bonds	115,619	108,049	4,801	112,850
2005 Public Improvement & Refunding Bonds	312,965	79,181	12,519	91,700
2007 Public Improvement Bonds	2,229,670	108,350	92,454	200,804
2009 Public Improvement Bonds	2,420,643	262,300	83,338	345,638
2010 Ser A Public Improvement Bonds	1,627,358	184,182	40,392	224,574
2010 Ser B Build America Bonds	2,753,894	0	91,911	91,911
2010 Refunding Bonds	2,938,150	330,604	82,072	412,676
2011 Public Improvement Bonds	3,099,659	122,714	116,478	239,192
2012 Refunding Bonds	39,600	4,430	1,310	5,740
2013 Refunding Bonds	177,577	0	7,294	7,294
MD Water Quality Solid Waste Refinancing	4,639,879	91,643	46,399	138,042
MD Water Quality 40 West Cell 3	1,619,362	131,017	17,813	148,830
Total Solid Waste Fund Debt	\$ 22,104,634	\$ 1,485,940	\$ 602,840	\$ 2,088,780

Current Debt Balance and FY 2013 Principal and Interest Costs

Description	FY2013 Balance	FY 2014 Principal	FY 2014 Interest	Total Debt Service
Airport				
2003A Public Improvement & Refunding Bonds	\$ 80,000	\$ 40,000	\$ 2,630	\$ 42,630
2012 Refunding Bonds	1,391,990	195,000	44,350	239,350
Total Airport Existing Debt	\$ 1,471,990	\$ 235,000	\$ 46,980	\$ 281,980
Water Quality:				
1996 Series A Project & Refunding Bonds	\$ 4,232,097	\$ 509,404	\$ 890,596	\$ 1,400,000
2008 Public Improvement Bonds	1,139,688	55,853	45,926	101,779
2009 Public Improvement & Refunding Bonds	3,143,928	272,659	183,886	456,545
2010 Ser A Public Improvement Bonds	711,475	80,524	17,659	98,183
2010 Ser B Build America Bonds	1,203,993	0	40,184	40,184
2012 Public Improvement Bonds	5,696,900	205,236	157,819	363,055
MD Water Quality Series 93A	77,778	77,778	2,565	80,343
MD Water Quality Series BNR	1,579,178	185,949	26,846	212,795
MD Water Quality Cono. Refunding 2004	2,225,000	1,135,000	8,900	1,143,900
MD Water Quality Pretreatment Refunding 2004	4,321,063	415,000	17,284	432,284
MD Water Quality Halfway I & I	403,539	26,997	4,035	31,032
Total Water Quality Existing Debt	\$ 28,194,639	\$ 2,964,400	\$ 1,395,700	\$ 4,360,100
2014 Planned Debt:				
2014 Public Improvement Bonds	4,120,000	0	0	0
Total Water Quality Debt	\$ 32,314,639	\$ 2,964,400	\$ 1,395,700	\$ 4,360,100
Total Existing and 2014 Planned Debt	\$ 198,215,461	\$ 15,130,290	\$ 6,476,630	\$ 21,606,920

Bonded Limit Summary as of June 30, 2013

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, 2013 the unused authorization available for issuance of general obligation bonds was \$14,672,722.

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, 2013	
Assessed Value of Property in Washington County	\$ 12,822,029,000
Debt Limit: % of Assessed Value	10%
Water Quality Borrowing Limitation	1,282,202,900
Water Quality Debt	28,194,639
Debt Margin	1,254,008,261
Ratio of Water Quality Debt to Assessed Value	.22%

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

Description	Fiscal Year		
	2012 Actual	2013 Budget	2014 Budget

Revenue (By Major Type):

Fees	\$ 1,390,703	\$ 1,338,000	\$ 1,542,900
Grants	18,752,415	19,940,500	13,668,900
Other	533,746	319,000	108,000
Bonds	12,334,703	17,460,200	18,120,000
Subtotal	33,011,567	39,057,700	33,439,800
Transfers	4,626,374	2,743,200	3,935,500
Capital Reserves		3,521,580	5,586,200
Total Revenue	37,637,941	45,322,480	42,961,500

Expenditures (By Function):

Education	12,170,933	12,567,400	17,487,700
Public Safety	1,642,811	716,000	550,000
General Government	814,589	1,373,400	3,400,400
Parks and Recreation	1,642,686	606,780	383,000
Water Quality	252,040	5,392,600	4,735,300
Roads/Infrastructure	11,793,582	19,282,500	14,534,200
Solid Waste	6,232,801	891,400	0
Transit System	373,316	1,008,600	167,000
Airport	408,010	3,483,800	1,703,900
Golf Course	43,211	0	0
Total Expenditures	35,373,979	45,322,480	42,961,500

Net Difference	2,263,962	0	0
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Project Detail of Major Projects – Fiscal Year 2014

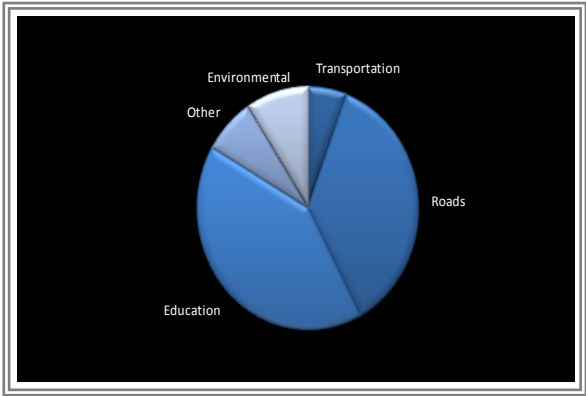
Project Name	Project Description	Project Budget	Operating Impact
Bester Elementary (Replacement School)	Construct a new 71,671 square foot (S.F.) school to replace the existing Bester Elementary on the existing site. The new school is planned as a four-round school, increasing the student capacity from 511 students to 608 students. The existing school building will be demolished to make space for appropriate driveways and playing fields. Provisions have been made within this budget request to include an expanded gymnasium for community use.	\$ 10,862,300	\$ 5,000
Pavement Maintenance and Rehabilitation Program	A county-wide pavement maintenance program targeting rehabilitation of County highway pavement, as required. Techniques may include, but not 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.	5,493,500	-
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.	4,789,000	-
Smithsburg Wastewater Treatment Plant – Facility Improvements	Upgrade the facility to address Maryland Department of the Environment strategy for Enhanced Nutrient Removal and expand capacity to address growth needs of the area.	2,242,300	10,000
County Admin Building – 1st and 2nd Floors	Renovations to the first and second floors of the County Administration Building. The first floor space is 9,120 S.F. and the second floor space is 6,600 S.F.	2,045,100	-
Winebrenner Wastewater Treatment Plant Upgrade	Upgrade facility to comply with Maryland Department of the Environment's Enhanced Nutrient Removal strategy and improve operational efficiency.	1,700,000	10,000
Taxiway B & D Rehabilitation	Rehabilitation of approximately 10,000 S.F. between the two taxiways is necessary due to age and damage of taxiways.	1,400,000	-

Project Name	Project Description	Project Budget	Operating Impact
Yale Drive Extended – Phase 1	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 (2-lanes). Project includes the construction of three roundabout intersections.	\$ 1,358,000	\$ 2,250
Professional Court Extended – Phase II	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). Roadway length is approximately 2,500 feet. The project includes construction of a four lane closed section divided roadway and single roundabout intersection.	1,309,500	2,880
Robinwood Corridor II	Widen Robinwood Drive to four lanes between Medical Campus Drive and Hagerstown Community College (approximately 5,800 feet). The new road section will consist of two 12 foot wide lanes in each direction with a raised grassed median and closed storm drain system. This proposed section will terminate at the intersection of HCC campus. To accommodate the proposed section at this intersection, a new traffic roundabout will be constructed.	918,000	3,600
Stormwater Retrofits	Construction of storm water management 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 (NPDES) requirements established by the MD Department of the Environment.	860,900	-
ARCC Roof Replacement	Replace the roof on the Athletic, Recreation, and Community Center building.	837,900	-
West City Elementary School – Phase 1	A new 56,818 S.F. 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.	748,500	5,000
Underpass Way and Railway Lane Roundabout	Project involves the construction of a traffic roundabout at the intersection of Underpass Way and Railway Lane.	739,500	-

Project Name	Project Description	Project Budget	Operating Impact
Highway Eastern Section – Fuel Tank Replacement	Replace underground storage tanks at the Eastern Section Highway Maintenance Facility (13230 Greensburg Road, Smithsburg) that are experiencing corrosion problems. The anti-corrosion anodes that have been in place are not keeping pace with the corrosion and MDE has elevated their level of concern at this site.	\$ 575,000	\$ -
Antietam WwTP - Facility Improvements	Upgrade the facility to meet current and future Environmental Protection Agency and Maryland Department of the Environment permit requirements.	510,000	-
Highway Equipment & Vehicle Replacement Program	Replace vehicles and heavy and specialized equipment for maintenance and construction activity.	500,000	-

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Ten Year Summary

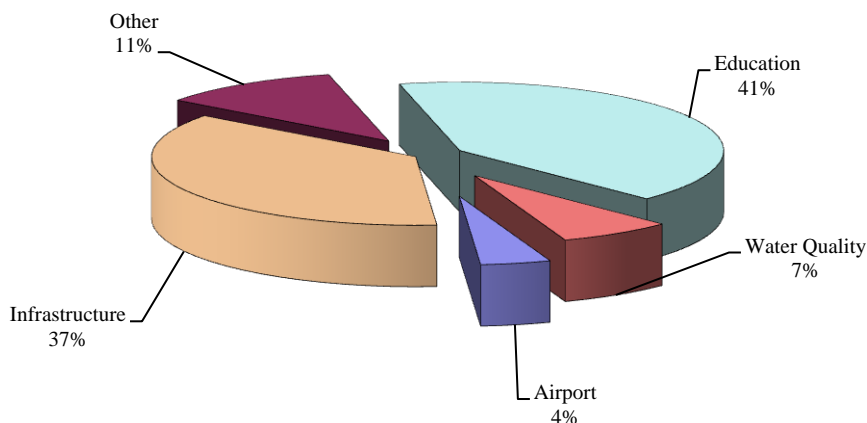


Ten Year
Summary

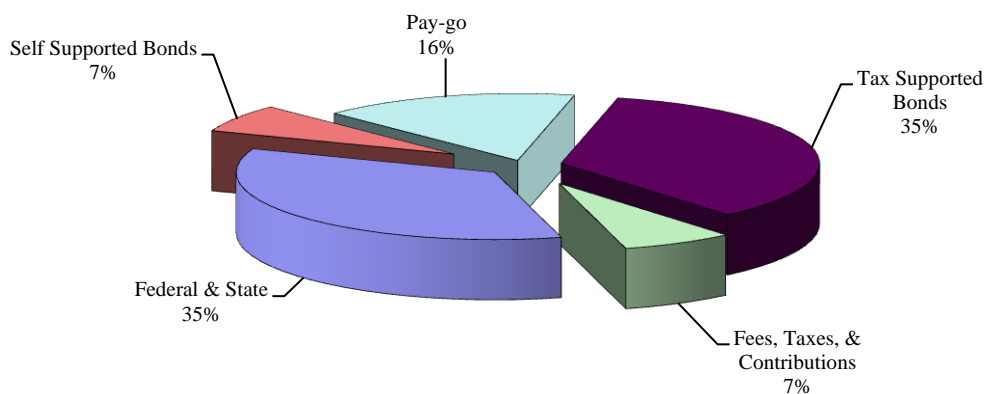
Ten Year Capital Improvement Plan Summary

The following graphs illustrate the projects by category and the funding sources that are currently scheduled for FY 2014 thru FY 2023. 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 \$441,216,100.

Project Categories for FY2014 thru FY2023



Funding Sources for FY2014 thru FY2023



**Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2014 – 2023**

	Ten Year Capital Program									FY 2020 - 2023
	Project	Total	Prior Appr.	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	
	Project Costs									
	Airport	20,642,300	1,775,700	1,703,900	1,040,500	3,589,300	1,955,800	950,900	1,295,000	8,331,200
	Bridges	27,866,077	9,685,777	918,200	813,700	3,978,900	4,622,100	1,712,800	1,197,300	4,937,300
	Drainage	15,445,700	464,800	1,436,500	1,294,300	895,700	956,800	2,394,700	2,234,200	5,768,700
	Education	195,462,400	13,906,000	17,487,700	16,287,300	15,289,200	7,393,500	20,134,100	15,264,800	89,699,800
	General Government	15,613,555	1,607,355	3,400,400	2,415,700	827,000	951,000	1,183,100	1,554,000	3,675,000
	Parks & Recreation	5,912,500	40,000	383,000	163,600	138,000	183,900	331,200	1,542,800	3,130,000
	Public Safety	13,593,100	586,600	550,000	557,400	673,100	466,500	582,600	482,000	9,694,900
	Railroad Crossings	1,644,400	134,000	0	278,600	0	289,900	0	301,600	640,300
	Road Improvement	168,909,783	42,526,883	12,179,500	10,337,600	11,865,200	13,521,100	12,935,100	11,041,300	54,503,100
	Solid Waste	10,167,400	292,900	0	250,700	1,941,300	54,100	55,200	281,500	7,291,700
	Transit	8,201,953	1,920,753	167,000	182,000	296,400	108,200	189,600	2,521,400	2,816,600
	Water Quality	49,384,209	18,686,509	4,735,300	6,435,800	1,420,300	8,649,300	1,578,500	1,779,600	6,098,900
	TOTAL	532,843,377	91,627,277	42,961,500	40,057,200	40,914,400	39,152,200	42,047,800	39,495,500	196,587,500
	Funding Sources									
	General Fund	40,168,497	17,018,497	2,550,000	1,800,000	2,000,000	2,100,000	2,200,000	2,300,000	10,200,000
	Highway Fund	6,762,900	300,000	674,000	504,900	509,900	595,300	662,400	675,700	2,840,700
	Hotel Rental Fund	3,446,600	373,700	400,000	343,300	185,700	440,400	441,600	439,200	822,700
	Solid Waste Fund	679,900	229,900	0	50,000	50,000	50,000	50,000	50,000	200,000
	Utility Admin Fund	1,481,400	309,100	70,000	77,900	158,600	27,100	60,100	149,600	629,000
	Water Fund	1,170,300	382,300	153,000	104,000	26,500	306,300	30,100	31,300	136,800
	Sewer Fund	2,445,309	1,443,209	60,000	115,200	63,500	192,100	163,400	78,400	329,500
	Airport Fund	59,700	2,200	28,500	29,000	0	0	0	0	0
	Tax Supported Bond	179,736,451	23,736,451	14,000,000	14,000,000	16,000,000	16,000,000	16,000,000	16,000,000	64,000,000
	Self Supported Bond	39,333,100	9,568,500	4,120,000	733,200	3,063,000	6,671,200	1,330,100	1,751,800	12,095,300
	Transfer Tax	14,070,173	470,173	1,000,000	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	6,600,000
	Excise Tax - Schools	5,300,000	1,150,000	242,400	242,400	289,000	335,700	429,000	522,300	2,089,200
	Excise Tax - Roads	1,886,820	730,620	68,700	68,700	81,400	94,000	119,400	144,800	579,200
	Excise Tax - Other	251,400	0	14,900	14,900	17,700	20,400	26,000	31,500	126,000
	Excise Tax - Library	118,500	0	6,900	6,900	8,300	9,600	12,300	14,900	59,600
	Excise Tax - Non-Residential	4,550,000	250,000	210,000	210,000	260,000	360,000	460,000	560,000	2,240,000
	APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
	Capital Reserve - Highway	575,000	0	575,000	0	0	0	0	0	0
	Capital Reserve - General	43,699,520	9,380,620	5,011,200	5,169,100	1,183,800	290,300	2,726,700	800,500	19,137,300
	Federal Grant	51,907,997	12,026,397	3,864,100	852,600	5,222,400	4,466,400	1,184,200	3,182,800	21,109,100
	State Grant	127,644,311	13,902,511	9,804,800	13,474,000	10,377,800	4,672,000	13,749,400	10,894,200	50,769,600
	Contributions	7,471,400	269,000	108,000	1,261,100	316,800	1,321,400	1,103,100	468,500	2,623,500
	TOTAL	532,843,377	91,627,277	42,961,500	40,057,200	40,914,400	39,152,200	42,047,800	39,495,500	196,587,500

Project Detail of Major Projects – Fiscal Years 2014-2023

Project Name	Project Description	Ten Year Project Budget
East City High (New School) - Beginning in FY 2018	Provides a new 155,280 S.F. high school with a capacity of 848 students, and core space to support future enrollment up to 1,200 students. This project will cover the projected seating deficit of five other high schools.	\$54,356,800
Pavement Maintenance and Rehabilitation Program	A 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.	47,864,100
Sharpsburg Elementary Replacement - Beginning in 2017	Construction of 63,818 S.F. replacement building to support 471 students.	20,987,600
West City Elementary School – Phase 1 – Began in FY 2013	A new 56,818 S.F. 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.	18,475,500
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.	18,289,000
Police, Fire and Emergency Services Training Facility – Beginning in FY 2017	The facility would be centralized to the area, easily accessible, and utilized by state, county and local police departments, correctional guards, and security guards for training emergency personnel. 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 Hagerstown Community College (HCC), such as the Emergency Medical Technician and Administration of Justice programs.	14,830,300

Project Name	Project Description	Ten Year Project Budget
Bester Elementary (Replacement School) Began in FY 2012	Construct a new 71,671 S.F. 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 from 511 students to 608 students. The existing school building will be demolished to make space for appropriate driveways and playing fields. Provisions have been made within this budget request to include an expanded gymnasium for community use.	\$13,762,400
Smithsburg Wastewater Treatment Plant – Facility Improvements Began in FY 2010	Upgrade of facility to address Maryland Department of the Environment strategy for Enhanced Nutrient Removal and expand capacity to address growth needs of the area.	12,547,700

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2014 - 2023

Project	Total	Prior Appr.	Budget Year		Ten Year Capital Program					Future
			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019		
Project Costs										
<u>Airport</u>										
Hagerstown Regional Airport										
Capital Equipment - Airport	3,965,000	1,326,800	122,400	348,500	260,000	249,000	193,200	281,500	1,183,600	
Fuel Farm Relocation	2,308,600	448,900	0	0	312,100	1,547,600	0	0	0	
Proposed Taxiway S	3,885,200	0	0	0	0	0	0	1,013,500	2,871,700	
Air Traffic Control Tower Siting Study	153,000	0	153,000	0	0	0	0	0	0	
T-Hanger 1, 2 and 3 Replacement	1,702,900	0	0	0	0	0	0	0	1,702,900	
Taxiway B and D Rehabilitation	1,400,000	0	1,400,000	0	0	0	0	0	0	
Taxiway A and C Rehabilitation	3,425,200	0	0	408,000	3,017,200	0	0	0	0	
Taxiway T Construction	916,900	0	0	0	0	159,200	757,700	0	0	
Runway 9/27 Rehabilitation	2,573,000	0	0	0	0	0	0	0	2,573,000	
Building 18 Partial Roof Replacement	57,500	0	28,500	29,000	0	0	0	0	0	
Air Traffic Control Tower Replacement	255,000	0	0	255,000	0	0	0	0	0	
Airport Total	20,642,300	1,775,700	1,703,900	1,040,500	3,589,300	1,955,800	950,900	1,295,000	8,331,200	
<u>Bridges</u>										
Public Works - Capital Projects										
Marble Quarry Road Bridge W6083	1,843,700	1,793,700	50,000	0	0	0	0	0	0	
Hopewell Road Culvert 02/01	303,300	5,100	0	0	298,200	0	0	0	0	
Coffman Farms Road Bridge W6371	939,700	909,700	30,000	0	0	0	0	0	0	
Bridge Inspection & Inventory	545,700	171,700	20,400	0	159,200	0	22,100	0	172,300	
Dogstreet Road Bridge W5932P	1,074,600	166,400	0	0	0	908,200	0	0	0	
Old Forge Road Bridge W2382	1,474,800	1,439,800	35,000	0	0	0	0	0	0	
Spur Road Culvert 07/16	297,200	0	0	46,800	250,400	0	0	0	0	
Burnside Bridge Road Culvert 01/02	662,900	612,900	50,000	0	0	0	0	0	0	
Leiters Mill Road Bridge W2292	1,212,800	1,202,400	0	10,400	0	0	0	0	0	
Old Roxbury Road Bridge W5372	4,200,477	775,077	125,000	0	26,000	3,274,400	0	0	0	
Poffenberger Road Bridge W4011	739,000	685,900	0	0	53,100	0	0	0	0	
Poffenberger Road Bridge W4012	1,411,100	1,305,000	0	0	106,100	0	0	0	0	
Hopewell Road Culvert 02/02	236,100	10,100	0	0	226,000	0	0	0	0	
Mousetown Road Culvert 06/02	255,600	0	16,300	239,300	0	0	0	0	0	
Keedysville Road Bridge W5651	1,531,000	252,500	5,100	0	1,273,400	0	0	0	0	
Crystal Falls Drive Bridge W3051	1,365,900	353,500	52,000	0	960,400	0	0	0	0	
Catholic Church Road Bridge 15/02	149,900	0	149,900	0	0	0	0	0	0	
Newcomer Road Bridge 14/02	175,400	0	175,400	0	0	0	0	0	0	
Wright Road Culvert 02/06	187,700	2,000	0	0	185,700	0	0	0	0	
Sprecher Road Bridge W5661	250,800	0	0	250,800	0	0	0	0	0	
Sprecher Road Bridge W5662	261,200	0	0	261,200	0	0	0	0	0	
Rinehart Road Culvert 14/03	332,100	0	0	0	0	6,500	325,600	0	0	
Kretsinger Road Culvert 14/01	309,100	0	0	0	0	0	309,100	0	0	
Frog Eye Road Culvert 11/06	570,200	0	0	0	0	0	570,200	0	0	
Cleaning and Painting of Steel Bridges	433,000	0	0	0	0	433,000	0	0	0	
Wright Road Culvert 02/05	233,400	0	0	5,200	228,200	0	0	0	0	
Keefer Road Bridge 15/20	186,600	0	0	0	0	0	186,600	0	0	
Burnside Bridge Road Culvert 01/03	299,200	0	0	0	0	0	299,200	0	0	
Greenspring Furnace Road Culvert 15/15	382,000	0	0	0	0	0	0	382,000	0	
Harpers Ferry Road Culvert 11/02	531,500	0	0	0	0	0	0	531,500	0	
Back Road Culvert 11/03	283,800	0	0	0	0	0	0	283,800	0	
Long Hollow Road Culvert 05/07	288,300	0	0	0	0	0	0	0	288,300	
Hoffman's Inn Road Culvert 05/06	295,800	0	0	0	0	0	0	0	295,800	
Henline Road Culvert 05/05	434,200	0	0	0	0	0	0	0	434,200	
Bridge Scour Repairs	212,200	0	0	0	212,200	0	0	0	0	
Bowie Road Culvert	280,900	0	0	0	0	0	0	0	280,900	
Remsburg Road Culvert	286,800	0	0	0	0	0	0	0	286,800	

**Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2014 - 2023**

Project	Budget Year				Ten Year Capital Program				
	Total	Prior Appr.	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Lanes Road Culvert 15/12	287,800	0	0	0	0	0	0	0	287,800
Greenbrier Road Culvert 16/14	317,700	0	0	0	0	0	0	0	317,700
Taylors Landing Road Bridge W7101	1,185,100	0	0	0	0	0	0	0	1,185,100
Londontowne Drive Culvert 10/03	209,100	0	209,100	0	0	0	0	0	0
Moorestville Road Culvert 15/21	328,200	0	0	0	0	0	0	0	328,200
Draper Road Culvert 04/07	395,200	0	0	0	0	0	0	0	395,200
Draper Road Culvert 04/08	359,100	0	0	0	0	0	0	0	359,100
Welty Church Road Culvert 14/06	6,000	0	0	0	0	0	0	0	6,000
Willow Road Culvert 05/10	299,900	0	0	0	0	0	0	0	299,900
Bridges Total	27,866,077	9,685,777	918,200	813,700	3,978,900	4,622,100	1,712,800	1,197,300	4,937,300
<u>Drainage</u>									
Public Works - Capital Projects									
Interstate Industrial Park Stormwater Management	2,898,500	0	0	0	0	0	1,021,200	900,900	976,400
Stream Restoration at Various Locations	2,081,300	420,800	244,800	416,200	0	43,300	441,600	0	514,600
Trego Mountain Road Culverts	295,800	0	295,800	0	0	0	0	0	0
Stormwater Retrofits	8,441,500	44,000	860,900	878,100	895,700	913,500	931,900	950,400	2,967,000
Shank Road Drainage	165,600	0	0	0	0	0	0	165,600	0
Hoffmaster and Harpers Ferry Road Drainage	1,004,400	0	0	0	0	0	0	33,800	970,600
Harpers Ferry Road Drainage, 3600 Block	407,700	0	0	0	0	0	0	67,600	340,100
Bittersweet Drive Drainage	35,000	0	35,000	0	0	0	0	0	0
Brookfield Avenue Drainage	115,900	0	0	0	0	0	0	115,900	0
Drainage Total	15,445,700	464,800	1,436,500	1,294,300	895,700	956,800	2,394,700	2,234,200	5,768,700
<u>Education</u>									
Board of Education									
Relocatable Classrooms	3,731,300	0	0	364,100	371,400	378,900	386,400	394,200	1,836,300
Capital Maintenance - BOE	20,602,000	2,313,000	4,789,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000
East City High (New School)	54,356,800	0	0	0	0	0	165,600	574,300	53,616,900
Bester Elementary (Replacement School)	23,642,600	9,880,200	10,862,300	2,900,100	0	0	0	0	0
Fountaindale Elementary Additions/Renovations	4,689,600	0	0	0	0	0	0	0	4,689,600
West City Elementary School - Phase I	18,627,000	151,500	748,500	8,009,400	7,038,100	2,679,500	0	0	0
Sharpsburg Elementary School- Replacement	20,987,600	0	0	0	0	1,840,100	8,828,200	8,178,100	2,141,200
Boonsboro High School - Modernization	304,700	0	0	0	0	0	0	0	304,700
Board of Education Total	146,941,600	12,344,700	16,399,800	12,773,600	8,909,500	6,398,500	10,880,200	10,646,600	68,588,700
Hagerstown Community College									
Campus Operations Building	5,898,500	0	0	0	0	0	0	0	5,898,500
Student Center Expansion	8,106,900	855,800	0	3,338,500	3,912,600	0	0	0	0
Technology Center Renovation	7,954,900	0	0	0	0	0	0	0	7,954,900
Police, Fire and Emergency Services Training Facility	14,830,300	0	0	0	0	985,400	9,241,600	4,603,300	0
ARCC Roof Replacement	1,543,400	705,500	837,900	0	0	0	0	0	0
Central Utility Plant Upgrade	2,627,100	0	0	168,300	2,458,800	0	0	0	0
Teacher Education Center	3,841,100	0	0	0	0	0	0	0	3,841,100
Hagerstown Community College Total	44,802,200	1,561,300	837,900	3,506,800	6,371,400	985,400	9,241,600	4,603,300	17,694,500
Public Libraries									
Hancock Public Library Replacement	3,718,600	0	250,000	6,900	8,300	9,600	12,300	14,900	3,416,600
Public Libraries Total	3,718,600	0	250,000	6,900	8,300	9,600	12,300	14,900	3,416,600
Education Total	195,462,400	13,906,000	17,487,700	16,287,300	15,289,200	7,393,500	20,134,100	15,264,800	89,699,800

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2014 - 2023

Project	Total	Prior Appr.	Budget Year		Ten Year Capital Program					Future
			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019		
<u>General Government</u>										
Accounting										
Contingency - General Fund	1,503,655	279,355	78,700	225,800	0	216,500	0	225,200	478,100	
Bond Issuance Costs	1,288,000	253,000	99,000	100,000	100,900	102,000	103,000	103,900	426,200	
Financial System Management & Upgrades	771,200	326,500	234,600	104,000	106,100	0	0	0	0	
General - Equipment and Vehicle Replacement Program	2,433,600	200,000	204,000	208,100	212,200	216,500	220,800	225,200	946,800	
Accounting Total	5,996,455	1,058,855	616,300	637,900	419,200	535,000	323,800	554,300	1,851,100	
Bldgs., Grounds & Parks										
Systemic Improvements Buildings	2,233,600	0	204,000	208,100	212,200	216,500	220,800	225,200	946,800	
Bldgs., Grounds & Parks Total	2,233,600	0	204,000	208,100	212,200	216,500	220,800	225,200	946,800	
Information Technology										
Information Systems Replacement Program	2,010,000	161,500	150,000	154,000	159,200	162,400	165,600	180,200	877,100	
Broadband Wireless Network Infrastructure System	384,100	202,000	35,000	35,700	36,400	37,100	37,900	0	0	
Accela Software Upgrade	700,000	0	350,000	350,000	0	0	0	0	0	
Information Technology Total	3,094,100	363,500	535,000	539,700	195,600	199,500	203,500	180,200	877,100	
Public Works - Capital Projects										
County Admin Bldg Renovations - 1st and 2nd Floors	3,260,100	185,000	2,045,100	1,030,000	0	0	0	0	0	
Redevelopment/Renovate Massey Shell Bldg - Balt. St.	1,029,300	0	0	0	0	0	435,000	594,300	0	
Public Works - Capital Projects Total	4,289,400	185,000	2,045,100	1,030,000	0	0	435,000	594,300	0	
 General Government Total	 15,613,555	 1,607,355	 3,400,400	 2,415,700	 827,000	 951,000	 1,183,100	 1,554,000	 3,675,000	
 <u>Parks & Recreation</u>										
Bldgs., Grounds & Parks										
Black Rock Capital Equipment Replacement Program	773,400	0	214,000	104,000	53,100	54,100	55,200	56,300	236,700	
Kemps Mill Park	952,900	0	0	0	0	108,200	276,000	281,500	287,200	
North Central County Park (north side of Eastern Blvd Extended)	3,825,700	0	0	0	84,900	0	0	1,182,500	2,558,300	
Tree Forestation	132,700	20,000	0	20,800	0	21,600	0	22,500	47,800	
Chestnut Grove Park, Overlay Parking lot	38,800	0	0	38,800	0	0	0	0	0	
Playground Equipment Replacement, Various Sites	25,000	0	25,000	0	0	0	0	0	0	
Tennis Courts, Resurfacing	40,000	20,000	20,000	0	0	0	0	0	0	
Ag Center Audio System Expansion	22,000	0	22,000	0	0	0	0	0	0	
MLS Wading Pool Reconstruction	102,000	0	102,000	0	0	0	0	0	0	
 Parks & Recreation Total	 5,912,500	 40,000	 383,000	 163,600	 138,000	 183,900	 331,200	 1,542,800	 3,130,000	
 <u>Public Safety</u>										
Communication Maintenance										
Communication Tower(s) various locations	557,000	0	0	0	212,200	0	110,400	0	234,400	
Communication Maintenance Total	557,000	0	0	0	212,200	0	110,400	0	234,400	
Detention										
Detention Center Renovations	7,609,800	0	0	0	0	0	0	33,800	7,576,000	
Detention Total	7,609,800	0	0	0	0	0	0	33,800	7,576,000	
Emergency Air Unit										
Emergency Services Capital Equipment & Vehicle Program	1,296,900	0	200,000	204,000	104,000	106,100	108,200	110,400	464,200	
Emergency Air Unit Total	1,296,900	0	200,000	204,000	104,000	106,100	108,200	110,400	464,200	
Patrol										
Law Enforcement - Fleet Replacement Program	4,129,400	586,600	350,000	353,400	356,900	360,400	364,000	337,800	1,420,300	
Patrol Total	4,129,400	586,600	350,000	353,400	356,900	360,400	364,000	337,800	1,420,300	
 Public Safety Total	 13,593,100	 586,600	 550,000	 557,400	 673,100	 466,500	 582,600	 482,000	 9,694,900	

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2014 - 2023

Project	Total	Prior Appr.	Budget Year			Ten Year Capital Program				Future
			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019		
<u>Railroad Crossings</u>										
Public Works - Capital Projects										
Railroad Crossing Improvements	1,644,400	134,000	0	278,600	0	289,900	0	301,600	640,300	
Railroad Crossings Total	1,644,400	134,000	0	278,600	0	289,900	0	301,600	640,300	
<u>Road Improvement</u>										
Highways										
Highway Central Section - New Facility	7,084,600	0	0	0	0	0	276,000	281,500	6,527,100	
Highway Equipment and Vehicle Replacement Program	7,273,300	984,400	500,000	504,900	509,900	595,300	662,400	675,700	2,840,700	
Highway Maintenance Shop - Western Section	395,400	0	0	0	0	38,200	357,200	0	0	
Fuel Center - Central Highway Maintenance Facility	899,000	725,000	174,000	0	0	0	0	0	0	
Highway Eastern Section - Fuel Tank Replacement	575,000	0	575,000	0	0	0	0	0	0	
Highways Total	16,227,300	1,709,400	1,249,000	504,900	509,900	633,500	1,295,600	957,200	9,367,800	
Public Works - Capital Projects										
Pavement Maintenance and Rehabilitation Program	59,581,760	11,717,660	5,493,500	4,343,700	4,430,500	4,519,100	4,609,500	4,701,700	19,766,100	
Robinwood Corridor II	11,056,300	10,138,300	918,000	0	0	0	0	0	0	
Robinwood North	708,673	403,973	0	0	0	0	0	0	304,700	
Longmeadow Road	7,607,400	60,000	0	0	0	517,600	128,100	0	6,901,700	
Eastern Boulevard Extended	9,373,450	285,250	0	0	689,800	1,082,400	6,150,200	1,165,800	0	
Maugans Avenue II	150,000	0	0	0	0	0	0	0	150,000	
Shawley Drive	3,537,300	3,187,300	350,000	0	0	0	0	0	0	
Southern Boulevard I	8,975,800	6,023,100	0	936,400	2,016,300	0	0	0	0	
E. Oak Ridge Drive/South Pointe Signal	359,600	0	0	0	0	0	0	0	359,600	
Eastern Boulevard Widening Phase II	8,193,500	500,000	141,300	480,100	1,382,800	5,689,300	0	0	0	
Underpass Way and Railway Lane Roundabout	1,113,200	373,700	739,500	0	0	0	0	0	0	
Transportation ADA	1,553,500	759,200	0	78,000	89,500	89,400	89,300	89,200	358,900	
Halfway Boulevard Extended II	637,100	0	0	468,200	0	0	0	168,900	0	
Eastern Blvd. at Antietam Drive Intersection Improvement	3,360,200	502,000	0	1,414,900	1,443,300	0	0	0	0	
Yale Drive Extended - Phase II	3,485,940	2,451,640	306,000	728,300	0	0	0	0	0	
Professional Court Extended - Phase II	7,392,700	125,000	1,309,500	0	0	0	0	0	5,958,200	
Professional Court Ext - Ph I/Bridge over Antietam Creek	9,109,800	125,000	0	260,100	265,300	0	220,800	0	8,238,600	
Marsh Pike from MD60 to Longmeadow	6,549,500	0	0	0	0	0	0	3,519,300	3,030,200	
Yale Drive Extended - Phase I	6,251,660	4,165,360	1,358,000	728,300	0	0	0	0	0	
MD Route 144 and Western MD Parkway Roundabout	1,047,700	0	0	20,800	477,500	549,400	0	0	0	
Meadow View Drive and Oak Hill Avenue Roundabout	67,300	0	0	0	0	0	0	0	67,300	
Valley Mall Road Improvements	430,000	0	86,700	343,300	0	0	0	0	0	
Valley Mall Area Road Improvements Phase II	1,066,500	0	0	0	185,700	0	441,600	439,200	0	
Battery Backup Operation for Signalized Intersections	278,500	0	60,000	0	218,500	0	0	0	0	
Colonial Park East Subdivision Traffic Calming	354,700	0	168,000	30,600	156,100	0	0	0	0	
Medical Campus Road Signal	440,400	0	0	0	0	440,400	0	0	0	
Public Works - Capital Projects Total	152,682,483	40,817,483	10,930,500	9,832,700	11,355,300	12,887,600	11,639,500	10,084,100	45,135,300	
Road Improvement Total	168,909,783	42,526,883	12,179,500	10,337,600	11,865,200	13,521,100	12,935,100	11,041,300	54,503,100	
<u>Solid Waste</u>										
Solid Waste										
Contingency - Solid Waste	718,900	211,500	0	52,000	53,100	54,100	55,200	56,300	236,700	
Close Out Cap - Rubble Fill	1,969,600	81,400	0	0	1,888,200	0	0	0	0	
Cell 5	4,992,200	0	0	0	0	0	0	225,200	4,767,000	

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2014 - 2023

Project	Budget Year			Ten Year Capital Program					
	Total	Prior Appr.	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
E-Cycling Building	145,700	0	0	145,700	0	0	0	0	0
40 West Pavement Rehabilitation	703,000	0	0	0	0	0	0	0	703,000
40 West Trash Fence	717,100	0	0	0	0	0	0	0	717,100
Seal Coating Closed Facilities	867,900	0	0	0	0	0	0	0	867,900
40 West Seal Coat and Pavement Rehab	53,000	0	0	53,000	0	0	0	0	0
Solid Waste Total	10,167,400	292,900	0	250,700	1,941,300	54,100	55,200	281,500	7,291,700
<u>Transit</u>									
Transit									
Transit Equipment Replacement Program	213,014	183,214	14,000	7,700	8,100	0	0	0	0
Fixed Route Bus Replacement Program	5,100,200	924,600	0	0	0	0	0	2,203,400	1,972,200
ADA Bus Replacement	634,800	65,000	0	70,300	76,100	0	79,200	92,800	251,400
Transit System Bus Shelters	700,013	361,813	0	0	106,100	0	0	112,600	119,500
Vehicle Maintenance Program	1,553,926	386,126	153,000	104,000	106,100	108,200	110,400	112,600	473,500
Transit Total	8,201,953	1,920,753	167,000	182,000	296,400	108,200	189,600	2,521,400	2,816,600
<u>Water Quality</u>									
Utility Administration									
Contingency - Utility Admin	410,400	182,600	0	0	26,500	27,100	27,600	28,200	118,400
General Building Improvements	1,238,400	101,000	0	0	0	0	0	563,100	574,300
Laboratory Rehabilitation of Ventilation System	276,000	0	0	0	0	0	276,000	0	0
WQ Equipment and Vehicle Replacement Program	1,046,500	102,000	70,000	77,900	132,100	0	32,500	121,400	510,600
Utility Administration Total	2,971,300	385,600	70,000	77,900	158,600	27,100	336,100	712,700	1,203,300
Wastewater Utility									
Contingency - Sewer	585,939	78,539	0	52,000	53,100	54,100	55,200	56,300	236,700
Smithsburg WwTP - Facility Improvements	15,559,370	3,011,670	2,242,300	4,345,100	0	5,960,300	0	0	0
Pump Station Upgrades - Various Stations	1,855,500	783,700	0	0	530,600	541,200	0	0	0
Winebrenner Wastewater Treatment Plant Upgrade	15,700,200	14,000,200	1,700,000	0	0	0	0	0	0
Replace PO 2 Pump Station	1,273,400	0	0	1,273,400	0	0	0	0	0
Potomac Edison Pump Station & Force Main Relocation	1,576,800	0	0	0	0	1,576,800	0	0	0
Antietam WwTP - Facility Improvements	1,100,200	70,000	510,000	520,200	0	0	0	0	0
Roof replacement at Conococheague WwTP	212,200	0	0	0	212,200	0	0	0	0
General WwTP Improvements	318,400	0	0	0	318,400	0	0	0	0
Collection System Rehabilitation Project	2,581,000	0	0	0	0	0	828,100	844,600	908,300
Conococheague WwTP Improvement	896,300	0	0	0	0	0	0	0	896,300
Sandy Hook WwTP	836,600	0	0	0	0	0	0	0	836,600
Heavy Sewer Equipment and Specialized Sewer Vehicle Replacement	494,700	0	60,000	63,200	10,400	138,000	108,200	22,100	92,800
Wastewater Utility Total	42,990,609	17,944,109	4,512,300	6,253,900	1,124,700	8,270,400	991,500	923,000	2,970,700
Water Utility									
Contingency - Water	406,600	154,800	0	0	26,500	27,100	30,100	31,300	136,800
WQ Water Main and Meter Replacement	1,241,200	101,000	102,000	104,000	0	324,700	0	0	609,500
Sandy Hook Water Treatment Plant Upgrade/Replace Equipment	112,600	0	0	0	0	0	0	112,600	0
General Water Treatment Plant Improvements	496,800	101,000	51,000	0	110,500	0	0	0	234,300
Sharpsburg Water Treatment Plant	220,800	0	0	0	0	0	220,800	0	0
Mt Aetna Water System Improvements	585,800	0	0	0	0	0	0	0	585,800
Highfield and Sharpsburg Water Storage Tank Rehab	358,500	0	0	0	0	0	0	0	358,500
Water Utility Total	3,422,300	356,800	153,000	104,000	137,000	351,800	250,900	143,900	1,924,900
Water Quality Total	49,384,209	18,686,509	4,735,300	6,435,800	1,420,300	8,649,300	1,578,500	1,779,600	6,098,900
TOTAL	532,843,377	91,627,277	42,961,500	40,057,200	40,914,400	39,152,200	42,047,800	39,495,500	196,587,500

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2014 - 2023

Project Funding Sources	Total	Prior Appr.	Budget Year		Ten Year Capital Program					Future
			FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019		
General Fund	40,168,497	17,018,497	2,550,000	1,800,000	2,000,000	2,100,000	2,200,000	2,300,000	10,200,000	
Highway Fund	6,762,900	300,000	674,000	504,900	509,900	595,300	662,400	675,700	2,840,700	
Hotel Rental Fund	3,446,600	373,700	400,000	343,300	185,700	440,400	441,600	439,200	822,700	
Solid Waste Fund	679,900	229,900	0	50,000	50,000	50,000	50,000	50,000	200,000	
Utility Admin Fund	1,481,400	309,100	70,000	77,900	158,600	27,100	60,100	149,600	629,000	
Water Fund	1,170,300	382,300	153,000	104,000	26,500	306,300	30,100	31,300	136,800	
Sewer Fund	2,445,309	1,443,209	60,000	115,200	63,500	192,100	163,400	78,400	329,500	
Airport Fund	59,700	2,200	28,500	29,000	0	0	0	0	0	
Tax Supported Bond	179,736,451	23,736,451	14,000,000	14,000,000	16,000,000	16,000,000	16,000,000	16,000,000	64,000,000	
Self Supported Bond	39,333,100	9,568,500	4,120,000	733,200	3,063,000	6,671,200	1,330,100	1,751,800	12,095,300	
Transfer Tax	14,070,173	470,173	1,000,000	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	6,600,000	
Excise Tax - Schools	5,300,000	1,150,000	242,400	242,400	289,000	335,700	429,000	522,300	2,089,200	
Excise Tax - Roads	1,886,820	730,620	68,700	68,700	81,400	94,000	119,400	144,800	579,200	
Excise Tax - Other	251,400	0	14,900	14,900	17,700	20,400	26,000	31,500	126,000	
Excise Tax - Library	118,500	0	6,900	6,900	8,300	9,600	12,300	14,900	59,600	
Excise Tax - Non-Residential	4,550,000	250,000	210,000	210,000	260,000	360,000	460,000	560,000	2,240,000	
APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0	
Capital Reserve - Highway	575,000	0	575,000	0	0	0	0	0	0	
Capital Reserve - General	43,699,520	9,380,620	5,011,200	5,169,100	1,183,800	290,300	2,726,700	800,500	19,137,300	
Federal Grant	51,907,997	12,026,397	3,864,100	852,600	5,222,400	4,466,400	1,184,200	3,182,800	21,109,100	
State Grant	127,644,311	13,902,511	9,804,800	13,474,000	10,377,800	4,672,000	13,749,400	10,894,200	50,769,600	
Contributions	7,471,400	269,000	108,000	1,261,100	316,800	1,321,400	1,103,100	468,500	2,623,500	
	532,843,377	91,627,277	42,961,500	40,057,200	40,914,400	39,152,200	42,047,800	39,495,500	196,587,500	

Airport



Airport

Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Airport										
42	Capital Equipment - Airport	3,965,000	1,326,800	122,400	348,500	260,000	249,000	193,200	281,500	1,183,600
43	Fuel Farm Relocation	2,308,600	448,900	0	0	312,100	1,547,600	0	0	0
44	Proposed Taxiway S	3,885,200	0	0	0	0	0	0	1,013,500	2,871,700
45	Air Traffic Control Tower Siting Study	153,000	0	153,000	0	0	0	0	0	0
46	T-Hanger 1, 2 and 3 Replacement	1,702,900	0	0	0	0	0	0	0	1,702,900
47	Taxiway B and D Rehabilitation	1,400,000	0	1,400,000	0	0	0	0	0	0
48	Taxiway A and C Rehabilitation	3,425,200	0	0	408,000	3,017,200	0	0	0	0
49	Taxiway T Construction	916,900	0	0	0	0	159,200	757,700	0	0
50	Runway 9/27 Rehabilitation	2,573,000	0	0	0	0	0	0	0	2,573,000
51	Building 18 Partial Roof Replacement	57,500	0	28,500	29,000	0	0	0	0	0
52	Air Traffic Control Tower Replacement	255,000	0	0	255,000	0	0	0	0	0
Airport Total		20,642,300	1,775,700	1,703,900	1,040,500	3,589,300	1,955,800	950,900	1,295,000	8,331,200
Funding Sources										
General Fund		1,363,100	35,800	229,100	292,800	179,400	97,600	47,500	64,600	416,300
Airport Fund		59,700	2,200	28,500	29,000	0	0	0	0	0
Federal Grant		18,254,400	1,693,100	1,370,200	680,900	3,230,400	1,760,300	855,800	1,165,600	7,498,100
State Grant		965,100	44,600	76,100	37,800	179,500	97,900	47,600	64,800	416,800
		20,642,300	1,775,700	1,703,900	1,040,500	3,589,300	1,955,800	950,900	1,295,000	8,331,200

Project Title: Capital Equipment - Airport

Project Number: 139

Account Number: EQP031

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

2014 - Replace airfield grounds maintenance equipment (MWR 4)
 2015 - Replace airfield maintenance equipment (AP 11) runway vac/sweep truck, replace Airport aircraft De-Ice vehicle (AP 15)
 2016 - Replace turf maintenance equipment (MWR 1, 7, 8)
 2017 - Replace snow removal equipment, rubber tire loader (LDR 2)
 2018 - Replace snow removal equipment, pickup trucks (AP 1, 2)
 2020 - Replace 2000, 3500 ton per hour snow blower (BLR 1)
 2023 - Replace Radius Dump/spreader (AP 7), Airport Runway De-Ice vehicle (AP 10) and Rubber Tire Loader (LDR 1)

Assumptions & Justifications:

90% Federal funding
 5% State funding
 5% Local funding

The Airport maintains an inventory of specialized and heavy equipment/vehicles, including 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	3,965,000	1,326,800	122,400	348,500	260,000	249,000	193,200	281,500	1,183,600
Total Cost	3,965,000	1,326,800	122,400	348,500	260,000	249,000	193,200	281,500	1,183,600

Funding Sources:

General Fund	166,300	34,800	6,100	17,400	13,000	12,400	9,600	14,000	59,000
Federal Grant	3,633,400	1,258,800	110,200	313,700	234,000	224,100	173,900	253,400	1,065,300
State Grant	165,300	33,200	6,100	17,400	13,000	12,500	9,700	14,100	59,300
Total Funding	3,965,000	1,326,800	122,400	348,500	260,000	249,000	193,200	281,500	1,183,600

Project Title: Fuel Farm Relocation

Project Number: 141

Account Number: LDI033

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Fuel Farm relocation

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	2,000	2,000	0	0	0	0	0	0	0
Construction	1,864,900	5,200	0	0	312,100	1,547,600	0	0	0
Equipment/Furniture	441,700	441,700	0	0	0	0	0	0	0
Total Cost	2,308,600	448,900	0	0	312,100	1,547,600	0	0	0

Funding Sources:

General Fund	93,900	1,000	0	0	15,600	77,300	0	0	0
Airport Fund	2,200	2,200	0	0	0	0	0	0	0
Federal Grant	2,108,100	434,300	0	0	280,900	1,392,900	0	0	0
State Grant	104,400	11,400	0	0	15,600	77,400	0	0	0
Total Funding	2,308,600	448,900	0	0	312,100	1,547,600	0	0	0

Project Title: Proposed Taxiway S

Project Number: 143

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$600



Description:

Project consists of the design and construction of a new taxiway to connect Runway 27 run-up area to lands North of the Airport.

Assumptions & Justifications:

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

Land is identified for future development for the airport. A connector taxiway is required to provide access to that land.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	1,013,500	0	0	0	0	0	0	1,013,500	0
Construction	2,871,700	0	0	0	0	0	0	0	2,871,700
Total Cost	3,885,200	0	0	0	0	0	0	1,013,500	2,871,700

Funding Sources:

General Fund	194,200	0	0	0	0	0	0	50,600	143,600
Federal Grant	3,496,700	0	0	0	0	0	0	912,200	2,584,500
State Grant	194,300	0	0	0	0	0	0	50,700	143,600
Total Funding	3,885,200	0	0	0	0	0	0	1,013,500	2,871,700

Projected Operating Costs: \$0



General Fund	153,000	0	153,000	0	0	0	0	0	0
Total Funding	153,000	0	153,000	0	0	0	0	0	0

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

Project Number: 1154

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Demolition of existing T-hangers and construction of new replacement T-hangers 1, 2 and 3. The total building size is 38,400 SF.

Assumptions & Justifications:

Pre-engineered metal building

Pending

90% Federal Aviation Administration funding

5% Maryland Aviation Administration funding

5% Local funding

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 problematic, non-electric manual open, creating a continual maintenance problem.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	101,000	0	0	0	0	0	0	0	101,000
Construction	1,601,900	0	0	0	0	0	0	0	1,601,900
Total Cost	1,702,900	0	0	0	0	0	0	0	1,702,900

Funding Sources:

General Fund	85,100	0	0	0	0	0	0	0	85,100
Federal Grant	1,532,600	0	0	0	0	0	0	0	1,532,600
State Grant	85,200	0	0	0	0	0	0	0	85,200
Total Funding	1,702,900	0	0	0	0	0	0	0	1,702,900

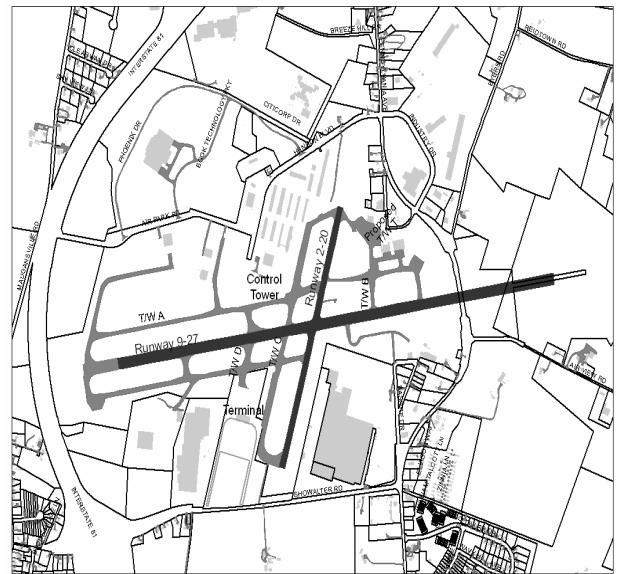
Project Title: Taxiway B and D Rehabilitation

Project Number: 1187

Account Number: RUN016

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project consists of total rehabilitation of approximately 10,000 SF between the two taxiways.

Assumptions & Justifications:

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

Taxiway B is constructed of concrete and has far exceeded its useful life. The existing material is beginning to deteriorate and will need to be removed full-depth and replaced.

Taxiway D has several spots that have failed as a result of larger aircraft traffic. Old bituminous concrete and subgrade materials will be removed and new materials installed.

A portion of the rehabilitation of both taxiways will include the installation of more energy efficient LED taxiway lighting.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	190,000	0	190,000	0	0	0	0	0	0
Construction	1,210,000	0	1,210,000	0	0	0	0	0	0
Total Cost	1,400,000	0	1,400,000	0	0	0	0	0	0

Funding Sources:

General Fund	70,000	0	70,000	0	0	0	0	0	0
Federal Grant	1,260,000	0	1,260,000	0	0	0	0	0	0
State Grant	70,000	0	70,000	0	0	0	0	0	0
Total Funding	1,400,000	0	1,400,000	0	0	0	0	0	0

Project Title: Taxiway A and C Rehabilitation

Project Number: 1188

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project consists of rehabilitation of existing taxiways.

Assumptions & Justifications:

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

Taxiway C and A will need to be rehabilitated. This will include repairing sub-surface defects, milling, overlaying, painting and the installation of new LED lighting.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	408,000	0	0	408,000	0	0	0	0	0
Construction	3,017,200	0	0	0	3,017,200	0	0	0	0
Total Cost	3,425,200	0	0	408,000	3,017,200	0	0	0	0

Funding Sources:

General Fund	171,200	0	0	20,400	150,800	0	0	0	0
Federal Grant	3,082,700	0	0	367,200	2,715,500	0	0	0	0
State Grant	171,300	0	0	20,400	150,900	0	0	0	0
Total Funding	3,425,200	0	0	408,000	3,017,200	0	0	0	0

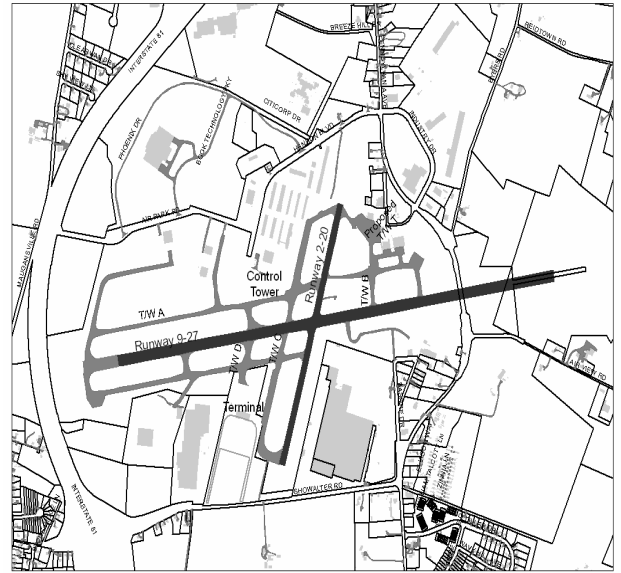
Project Title: Taxiway T Construction

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	159,200	0	0	0	0	159,200	0	0	0
Construction	757,700	0	0	0	0	0	757,700	0	0
Total Cost	916,900	0	0	0	0	159,200	757,700	0	0

Funding Sources:

General Fund	45,800	0	0	0	0	7,900	37,900	0	0
Federal Grant	825,200	0	0	0	0	143,300	681,900	0	0
State Grant	45,900	0	0	0	0	8,000	37,900	0	0
Total Funding	916,900	0	0	0	0	159,200	757,700	0	0

Projected Operating Costs: \$0



A section of metal roofing will be replaced on Building 18.

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	2014	2015	2016	2017	2018	2019	Future
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Engineering/Design	4,000	0	2,000	2,000	0	0	0	0	0
Construction	53,500	0	26,500	27,000	0	0	0	0	0
Total Cost	57,500	0	28,500	29,000	0	0	0	0	0

Airport Fund	57,500	0	28,500	29,000	0	0	0	0	0
Total Funding	57,500	0	28,500	29,000	0	0	0	0	0

Project Title: Air Traffic Control Tower Replacement

Project Number: 1193

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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

Assumptions & Justifications:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	255,000	0	0	255,000	0	0	0	0	0
Total Cost	255,000	0	0	255,000	0	0	0	0	0

Funding Sources:

General Fund	255,000	0	0	255,000	0	0	0	0	0
Total Funding	255,000	0	0	255,000	0	0	0	0	0

Bridges



Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

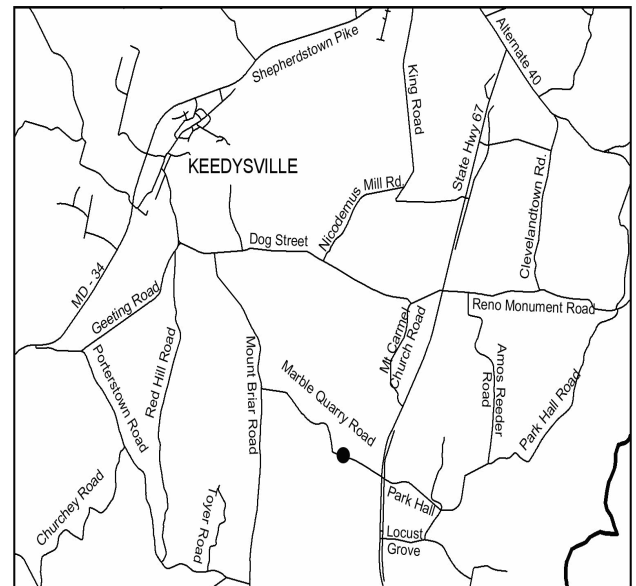
Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Bridges										
55	Marble Quarry Road Bridge W6083	1,843,700	1,793,700	50,000	0	0	0	0	0	0
56	Hopewell Road Culvert 02/01	303,300	5,100	0	0	298,200	0	0	0	0
57	Coffman Farms Road Bridge W6371	939,700	909,700	30,000	0	0	0	0	0	0
58	Bridge Inspection & Inventory	545,700	171,700	20,400	0	159,200	0	22,100	0	172,300
59	Dogstreet Road Bridge W5932P	1,074,600	166,400	0	0	0	908,200	0	0	0
60	Old Forge Road Bridge W2382	1,474,800	1,439,800	35,000	0	0	0	0	0	0
61	Spur Road Culvert 07/16	297,200	0	0	46,800	250,400	0	0	0	0
62	Burnside Bridge Road Culvert 01/02	662,900	612,900	50,000	0	0	0	0	0	0
63	Leiters Mill Road Bridge W2292	1,212,800	1,202,400	0	10,400	0	0	0	0	0
64	Old Roxbury Road Bridge W5372	4,200,477	775,077	125,000	0	26,000	3,274,400	0	0	0
65	Poffenberger Road Bridge W4011	739,000	685,900	0	0	53,100	0	0	0	0
66	Poffenberger Road Bridge W4012	1,411,100	1,305,000	0	0	106,100	0	0	0	0
67	Hopewell Road Culvert 02/02	236,100	10,100	0	0	226,000	0	0	0	0
68	Mousetown Road Culvert 06/02	255,600	0	16,300	239,300	0	0	0	0	0
69	Keedysville Road Bridge W5651	1,531,000	252,500	5,100	0	1,273,400	0	0	0	0
70	Crystal Falls Drive Bridge W3051	1,365,900	353,500	52,000	0	960,400	0	0	0	0
71	Catholic Church Road Bridge 15/02	149,900	0	149,900	0	0	0	0	0	0
72	Newcomer Road Bridge 14/02	175,400	0	175,400	0	0	0	0	0	0
73	Wright Road Culvert 02/06	187,700	2,000	0	0	185,700	0	0	0	0
74	Sprecher Road Bridge W5661	250,800	0	0	250,800	0	0	0	0	0
75	Sprecher Road Bridge W5662	261,200	0	0	261,200	0	0	0	0	0
76	Rinehart Road Culvert 14/03	332,100	0	0	0	0	6,500	325,600	0	0
77	Kretsinger Road Culvert 14/01	309,100	0	0	0	0	0	309,100	0	0
78	Frog Eye Road Culvert 11/06	570,200	0	0	0	0	0	570,200	0	0
79	Cleaning and Painting of Steel Bridges	433,000	0	0	0	0	433,000	0	0	0
80	Wright Road Culvert 02/05	233,400	0	0	5,200	228,200	0	0	0	0
81	Keefer Road Bridge 15/20	186,600	0	0	0	0	0	186,600	0	0
82	Burnside Bridge Road Culvert 01/03	299,200	0	0	0	0	0	299,200	0	0
83	Greenspring Furnace Road Culvert 15/15	382,000	0	0	0	0	0	0	382,000	0
84	Harpers Ferry Road Culvert 11/02	531,500	0	0	0	0	0	0	531,500	0
85	Back Road Culvert 11/03	283,800	0	0	0	0	0	0	283,800	0
86	Long Hollow Road Culvert 05/07	288,300	0	0	0	0	0	0	0	288,300
87	Hoffman's Inn Road Culvert 05/06	295,800	0	0	0	0	0	0	0	295,800
88	Henline Road Culvert 05/05	434,200	0	0	0	0	0	0	0	434,200
89	Bridge Scour Repairs	212,200	0	0	0	212,200	0	0	0	0
90	Bowie Road Culvert	280,900	0	0	0	0	0	0	0	280,900
91	Remsburg Road Culvert	286,800	0	0	0	0	0	0	0	286,800
92	Lanes Road Culvert 15/12	287,800	0	0	0	0	0	0	0	287,800
93	Greenbrier Road Culvert 16/14	317,700	0	0	0	0	0	0	0	317,700
94	Taylors Landing Road Bridge W7101	1,185,100	0	0	0	0	0	0	0	1,185,100
95	Londontowne Drive Culvert 10/03	209,100	0	209,100	0	0	0	0	0	0
96	Mooreville Road Culvert 15/21	328,200	0	0	0	0	0	0	0	328,200
97	Draper Road Culvert 04/07	395,200	0	0	0	0	0	0	0	395,200
98	Draper Road Culvert 04/08	359,100	0	0	0	0	0	0	0	359,100
99	Welty Church Road Culvert 14/06	6,000	0	0	0	0	0	0	0	6,000
100	Willow Road Culvert 05/10	299,900	0	0	0	0	0	0	0	299,900
Bridges Total		27,866,077	9,685,777	918,200	813,700	3,978,900	4,622,100	1,712,800	1,197,300	4,937,300

Washington County, Maryland

Capital Improvement 10yr Condensed

Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Funding Sources										
	General Fund	7,332,077	1,495,877	760,600	260,600	968,300	439,500	208,700	889,400	2,309,100
	Tax Supported Bond	7,467,900	1,587,700	157,600	553,100	1,282,300	1,563,100	1,504,100	307,900	512,100
	Capital Reserve - General	2,260,500	144,400	0	0	0	0	0	0	2,116,100
	Federal Grant	10,805,600	6,457,800	0	0	1,728,300	2,619,500	0	0	0
		27,866,077	9,685,777	918,200	813,700	3,978,900	4,622,100	1,712,800	1,197,300	4,937,300

Project Title: Marble Quarry Road Bridge W6083**Project Number:** 33**Account Number:** BRG024**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This bridge is located in the 19900 block of Marble Quarry Road (ADC Map 32, Grid A-13). Replace deteriorated single lane concrete bridge. Structure is considered eligible for the National Register of Historic Places. Bridge Sufficiency Rating is 36.2 out of a maximum possible score of 100.

Assumptions & Justifications:

Project is proposed as a Federal Aid bridge project with 80/20 cost share, pending grant funding approval.

Needed to replace structure that is near the end of its useful life.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	370,000	370,000	0	0	0	0	0	0	0
Land Acquisition	20,000	20,000	0	0	0	0	0	0	0
Construction	1,332,300	1,282,300	50,000	0	0	0	0	0	0
Inspection	115,300	115,300	0	0	0	0	0	0	0
Utilities	6,100	6,100	0	0	0	0	0	0	0
Total Cost	1,843,700	1,793,700	50,000	0	0	0	0	0	0

Funding Sources:

General Fund	200,000	150,000	50,000	0	0	0	0	0	0
Tax Supported Bond	217,200	217,200	0	0	0	0	0	0	0
Federal Grant	1,426,500	1,426,500	0	0	0	0	0	0	0
Total Funding	1,843,700	1,793,700	50,000	0	0	0	0	0	0

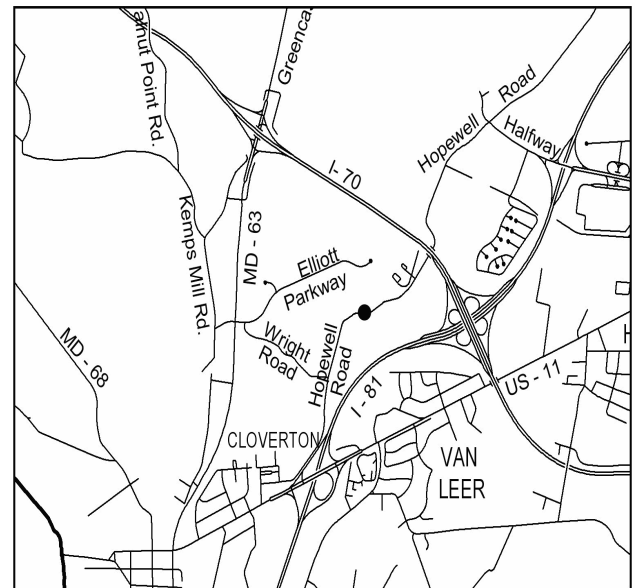
Project Title: Hopewell Road Culvert 02/01

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). Replace corrugated metal pipe arch with precast concrete box culvert. Traffic barrier upgrades will be added as well to improve safety.

Assumptions & Justifications:

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.

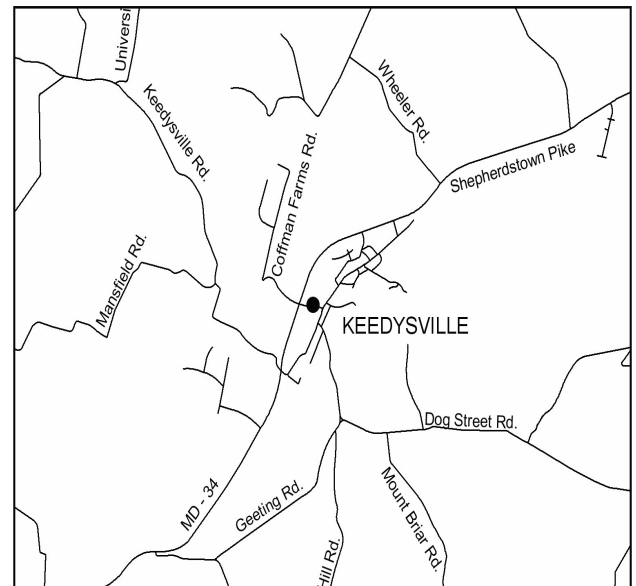
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	246,200	0	0	0	246,200	0	0	0	0
Inspection	30,800	0	0	0	30,800	0	0	0	0
Utilities	21,200	0	0	0	21,200	0	0	0	0
Total Cost	303,300	5,100	0	0	298,200	0	0	0	0

Funding Sources:

General Fund	5,100	5,100	0	0	0	0	0	0	0
Tax Supported Bond	298,200	0	0	0	298,200	0	0	0	0
Total Funding	303,300	5,100	0	0	298,200	0	0	0	0

Project Title: Coffman Farms Road Bridge W6371**Project Number:** 39**Account Number:** BRG048**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This bridge is located in Keedysville, near Main Street (ADC Map 31, Grid G-7). Rehabilitate stone arch structure. Structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, and repointing. Bridge Sufficiency Rating is 54.0 out of a maximum possible score of 100.

Assumptions & Justifications:

Project is proposed as a Federal Aid project with 80/20 cost share, pending grant funding approval. It is assumed that project design will be combined with Old Forge Road bridge W2382.

Needed to maintain bridge in a serviceable condition and to protect historical considerations.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	133,000	133,000	0	0	0	0	0	0	0
Land Acquisition	5,000	5,000	0	0	0	0	0	0	0
Construction	737,000	707,000	30,000	0	0	0	0	0	0
Inspection	58,600	58,600	0	0	0	0	0	0	0
Utilities	6,100	6,100	0	0	0	0	0	0	0
Total Cost	939,700	909,700	30,000	0	0	0	0	0	0

Funding Sources:

General Fund	61,700	31,700	30,000	0	0	0	0	0	0
Capital Reserve - General	144,400	144,400	0	0	0	0	0	0	0
Federal Grant	733,600	733,600	0	0	0	0	0	0	0
Total Funding	939,700	909,700	30,000	0	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:

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

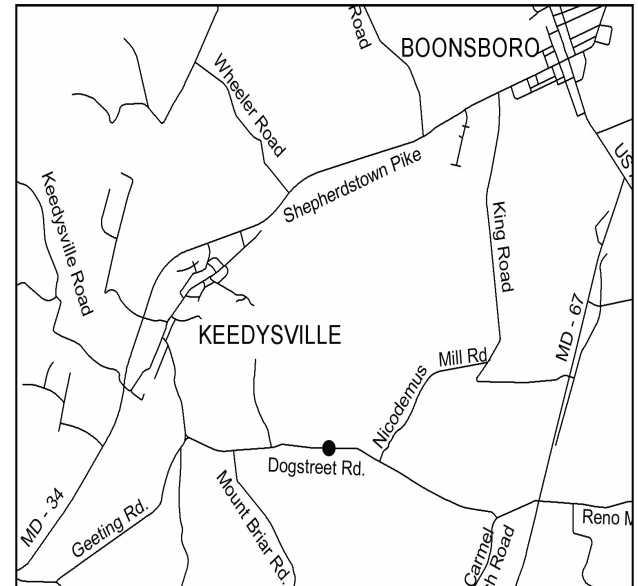
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	545,700	171,700	20,400	0	159,200	0	22,100	0	172,300
Total Cost	545,700	171,700	20,400	0	159,200	0	22,100	0	172,300

Funding Sources:

General Fund	545,700	171,700	20,400	0	159,200	0	22,100	0	172,300
Total Funding	545,700	171,700	20,400	0	159,200	0	22,100	0	172,300

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). Existing multiple corrugated metal pipe structure regularly clogs due to a heavy debris load in creek resulting in road overtopping and subsequent damage to road surface and adjacent property. Replace with single span bridge. Bridge Sufficiency Rating is 78.6 out of a maximum possible score of 100.

Assumptions & Justifications:

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. Precast concrete arch is the basis for the cost estimate.

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.

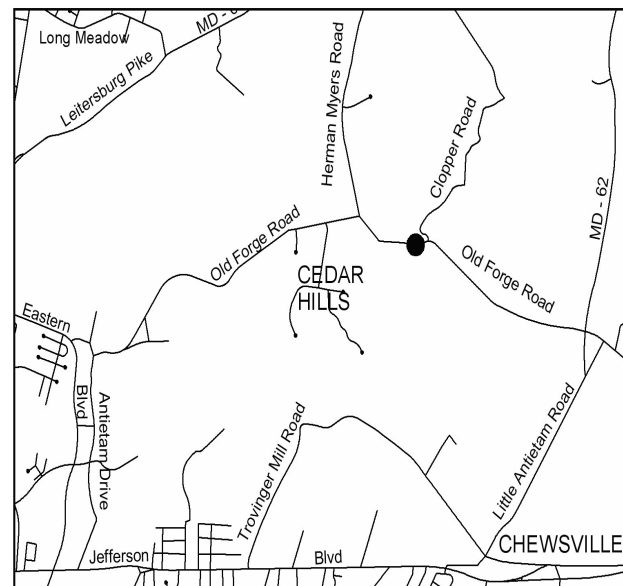
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

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	808,600	0	0	0	0	808,600	0	0	0
Inspection	93,100	0	0	0	0	93,100	0	0	0
Utilities	6,500	0	0	0	0	6,500	0	0	0
Total Cost	1,074,600	166,400	0	0	0	908,200	0	0	0

Funding Sources:

General Fund	166,400	166,400	0	0	0	0	0	0	0
Tax Supported Bond	908,200	0	0	0	0	908,200	0	0	0
Total Funding	1,074,600	166,400	0	0	0	908,200	0	0	0

Project Title: Old Forge Road Bridge W2382**Project Number:** 49**Account Number:** BRG058**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This project is located in the 20800 block of Old Forge Road (ADC Map 22, Grid D-1), rehabilitate stone arch structure. Structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, and repointing. Bridge Sufficiency Rating is 37.4 out of a maximum possible score of 100.

Assumptions & Justifications:

Project is proposed as a Federal Aid project with 80/20 cost share, pending grant funding approval. It is assumed that project design will be combined with Coffman Farms Road bridge W6371.

Needed to maintain bridge in a serviceable condition and to protect historical considerations.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	135,700	135,700	0	0	0	0	0	0	0
Land Acquisition	5,200	5,200	0	0	0	0	0	0	0
Construction	1,247,000	1,212,000	35,000	0	0	0	0	0	0
Inspection	86,900	86,900	0	0	0	0	0	0	0
Total Cost	1,474,800	1,439,800	35,000	0	0	0	0	0	0

Funding Sources:

General Fund	331,800	296,800	35,000	0	0	0	0	0	0
Tax Supported Bond	5,200	5,200	0	0	0	0	0	0	0
Federal Grant	1,137,800	1,137,800	0	0	0	0	0	0	0
Total Funding	1,474,800	1,439,800	35,000	0	0	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:**

Replace the existing concrete slab structure with a precast concrete box culvert. 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 so this budget assumes a structure replacement project.

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

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	15,600	0	0	15,600	0	0	0	0	0
Construction	212,200	0	0	0	212,200	0	0	0	0
Inspection	38,200	0	0	0	38,200	0	0	0	0
Utilities	31,200	0	0	31,200	0	0	0	0	0
Total Cost	297,200	0	0	46,800	250,400	0	0	0	0

Funding Sources:

General Fund	46,800	0	0	46,800	0	0	0	0	0
Tax Supported Bond	250,400	0	0	0	250,400	0	0	0	0
Total Funding	297,200	0	0	46,800	250,400	0	0	0	0

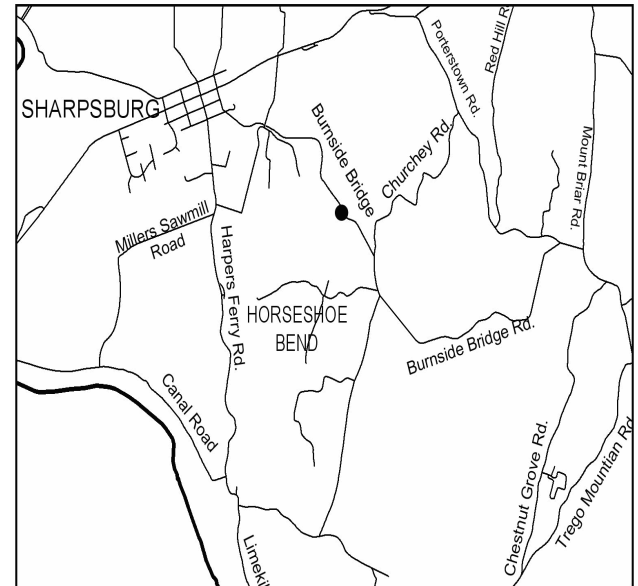
Project Title: Burnside Bridge Road Culvert 01/02

Project Number: 52

Account Number: BRG057

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located in the 18500 block of Burnside Bridge Road (ADC Map 34, Grid D-2). Replace single lane steel stringer bridge with two lane precast box culvert and make traffic barrier approach road improvements.

Assumptions & Justifications:

Recent repairs made by County forces do not eliminate the need for this project.

Needed to replace structure that is near the end of its useful life and to greatly improve safety at this location.

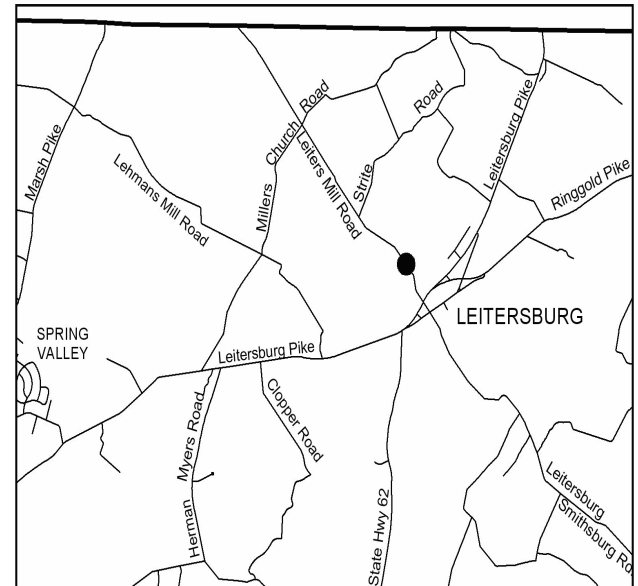
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	10,200	10,200	0	0	0	0	0	0	0
Construction	572,600	547,600	25,000	0	0	0	0	0	0
Inspection	49,000	49,000	0	0	0	0	0	0	0
Utilities	31,100	6,100	25,000	0	0	0	0	0	0
Total Cost	662,900	612,900	50,000	0	0	0	0	0	0

Funding Sources:

General Fund	407,900	357,900	50,000	0	0	0	0	0	0
Tax Supported Bond	255,000	255,000	0	0	0	0	0	0	0
Total Funding	662,900	612,900	50,000	0	0	0	0	0	0

Project Title: Leiters Mill Road Bridge W2292**Project Number:** 53**Account Number:** BRG060**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This project is in the 21300 block of Leiters Mill Road (ADC Map 11, Grid H-8). Repair existing stone arch bridge. Structure is eligible for the National Register of Historic Places. Although undetermined at this time repair will most likely consist of concrete fill, traffic barrier upgrades, scour repair, riprap placement, and repointing the stone masonry. Bridge Sufficiency Rating is 30.7 out of a maximum possible score of 100.

Assumptions & Justifications:

Project is proposed as a Federal Aid project with 80/20 cost share, pending grant funding approval.

Needed to maintain bridge in a serviceable condition and to protect historical considerations.

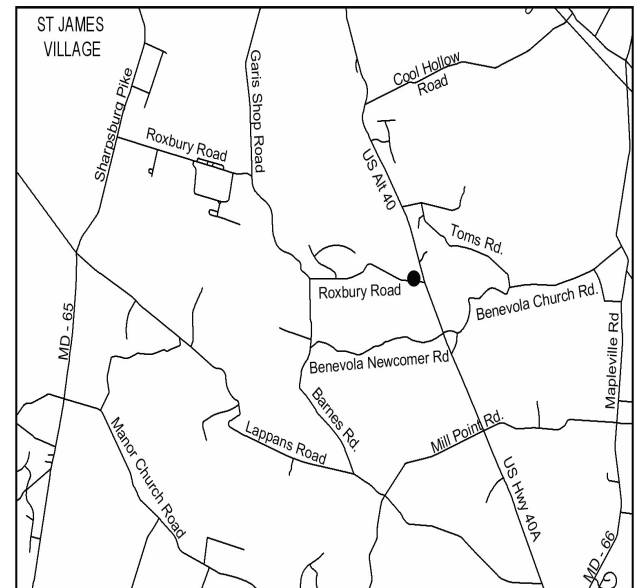
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

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	868,900	858,500	0	10,400	0	0	0	0	0
Inspection	86,900	86,900	0	0	0	0	0	0	0
Total Cost	1,212,800	1,202,400	0	10,400	0	0	0	0	0

Funding Sources:

General Fund	49,100	38,700	0	10,400	0	0	0	0	0
Tax Supported Bond	199,200	199,200	0	0	0	0	0	0	0
Federal Grant	964,500	964,500	0	0	0	0	0	0	0
Total Funding	1,212,800	1,202,400	0	10,400	0	0	0	0	0

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 bridge with a two lane bridge. The bridge is structurally deficient and functionally obsolete.

Assumptions & Justifications:

Federal aid funded project

The structure has exceeded its useful life.

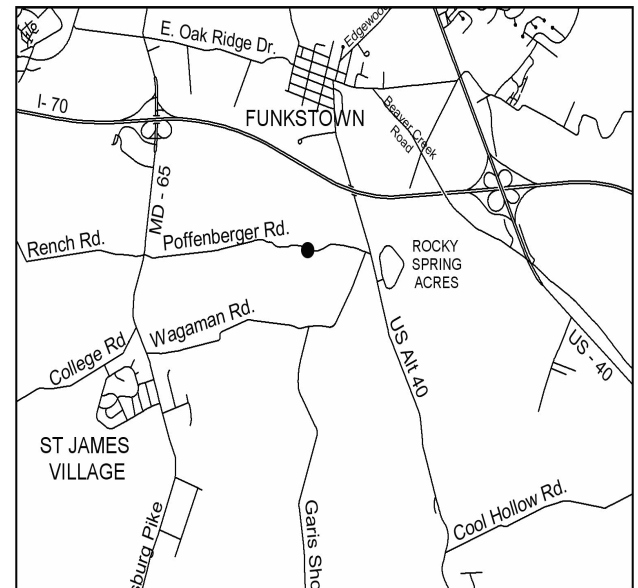
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	137,177	12,177	125,000	0	0	0	0	0	0
Land Acquisition	281,000	255,000	0	0	26,000	0	0	0	0
Construction	3,731,000	483,700	0	0	0	3,247,300	0	0	0
Inspection	51,300	24,200	0	0	0	27,100	0	0	0
Total Cost	4,200,477	775,077	125,000	0	26,000	3,274,400	0	0	0

Funding Sources:

General Fund	152,977	1,977	125,000	0	26,000	0	0	0	0
Tax Supported Bond	1,428,000	773,100	0	0	0	654,900	0	0	0
Federal Grant	2,619,500	0	0	0	0	2,619,500	0	0	0
Total Funding	4,200,477	775,077	125,000	0	26,000	3,274,400	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). Rehabilitate single span stone arch structure. Structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, and repointing. Bridge Sufficiency Rating is 41.0 out of a maximum possible score of 100.

Assumptions & Justifications:

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.

Needed to maintain bridge in a serviceable condition and to protect historical considerations.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	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	523,800	470,700	0	0	53,100	0	0	0	0
Inspection	58,600	58,600	0	0	0	0	0	0	0
Total Cost	739,000	685,900	0	0	53,100	0	0	0	0

Funding Sources:

General Fund	152,300	99,200	0	0	53,100	0	0	0	0
Federal Grant	586,700	586,700	0	0	0	0	0	0	0
Total Funding	739,000	685,900	0	0	53,100	0	0	0	0

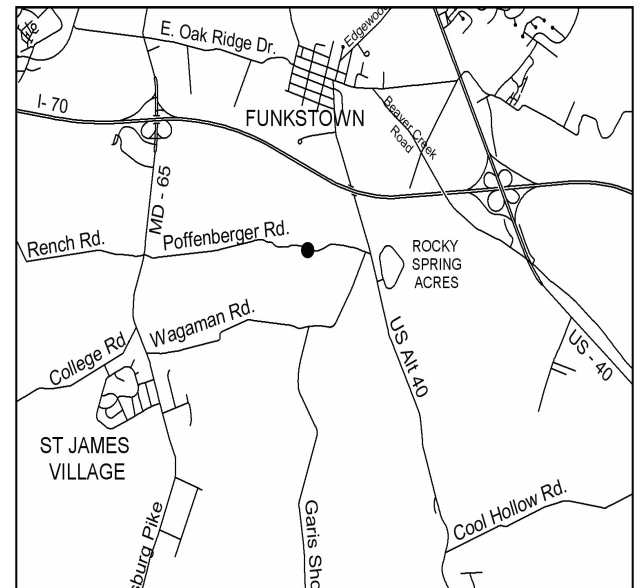
Project Title: Poffenberger Road Bridge W4012

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). Rehabilitate three span stone arch structure. Structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, and repointing. Bridge Sufficiency Rating is 41.0 out of a maximum possible score of 100.

Assumptions & Justifications:

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.

Project is needed to maintain bridge in a serviceable condition and to protect historical considerations.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	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	1,116,100	1,010,000	0	0	106,100	0	0	0	0
Inspection	87,900	87,900	0	0	0	0	0	0	0
Total Cost	1,411,100	1,305,000	0	0	106,100	0	0	0	0

Funding Sources:

General Fund	149,200	43,100	0	0	106,100	0	0	0	0
Tax Supported Bond	138,000	138,000	0	0	0	0	0	0	0
Federal Grant	1,123,900	1,123,900	0	0	0	0	0	0	0
Total Funding	1,411,100	1,305,000	0	0	106,100	0	0	0	0

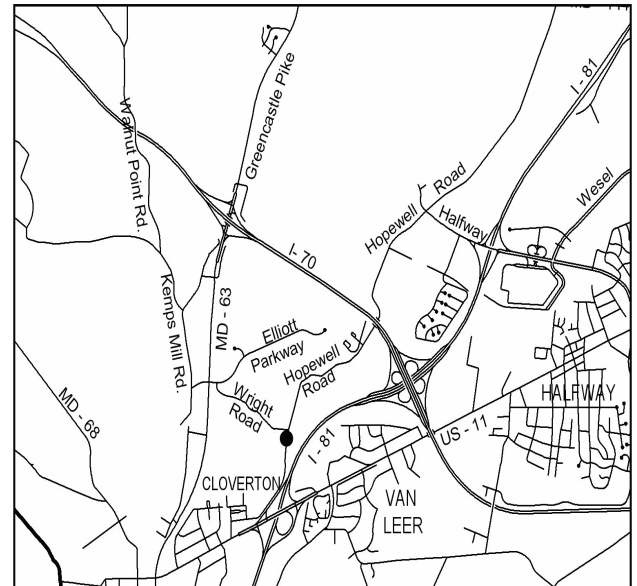
Project Title: Hopewell Road Culvert 02/02

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). Replace single lane concrete structure with a two lane precast concrete box culvert and realign road. Upgraded traffic barrier will be added as well to improve safety.

Assumptions & Justifications:

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.

Current structure has had temporary repairs made, but long term condition must still be addressed as structure is nearing the end of its useful life. Due to 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	10,100	10,100	0	0	0	0	0	0	0
Construction	185,700	0	0	0	185,700	0	0	0	0
Inspection	40,300	0	0	0	40,300	0	0	0	0
Total Cost	236,100	10,100	0	0	226,000	0	0	0	0

Funding Sources:

General Fund	236,100	10,100	0	0	226,000	0	0	0	0
Total Funding	236,100	10,100	0	0	226,000	0	0	0	0

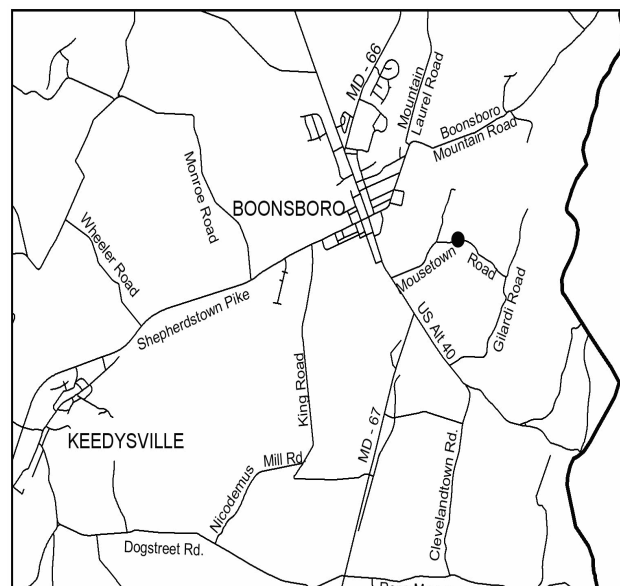
Project Title: Mousetown Road Culvert 06/02

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). Replace existing structural metal pipe arch with concrete box culvert. Installation of appropriate traffic barriers.

Assumptions & Justifications:

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

Needed to replace structure that is nearing the end of its useful life and provide improved safety.

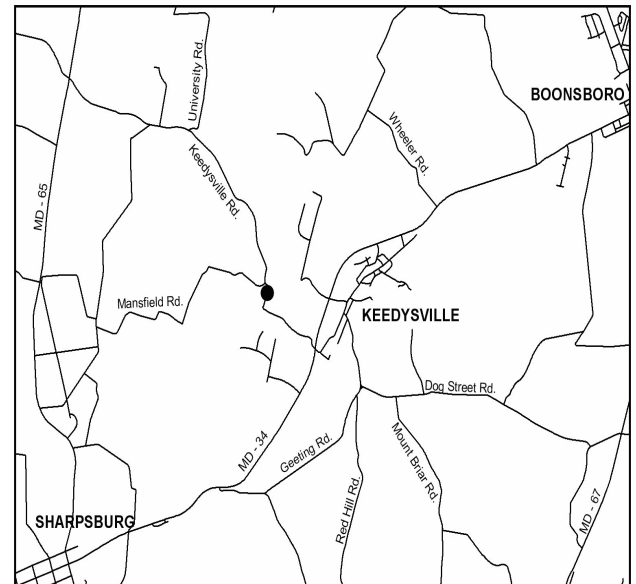
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	10,200	0	10,200	0	0	0	0	0	0
Construction	208,100	0	0	208,100	0	0	0	0	0
Inspection	31,200	0	0	31,200	0	0	0	0	0
Utilities	6,100	0	6,100	0	0	0	0	0	0
Total Cost	255,600	0	16,300	239,300	0	0	0	0	0

Funding Sources:

General Fund	214,500	0	16,300	198,200	0	0	0	0	0
Tax Supported Bond	41,100	0	0	41,100	0	0	0	0	0
Total Funding	255,600	0	16,300	239,300	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). Rehabilitate stone arch structure. Structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, and stone masonry reconstruction, and repointing. Bridge Sufficiency Rating is 50.8 out of a maximum possible score of 100.

Assumptions & Justifications:

Project is proposed as a Federal Aid project with 80/20 cost share, pending grant funding approval. It is assumed that the project design will be combined with Poffenberger Road bridges W4011 and W4012 and Leiters Mill Road bridge W2292.

Needed to maintain a serviceable condition and to protect historical considerations.

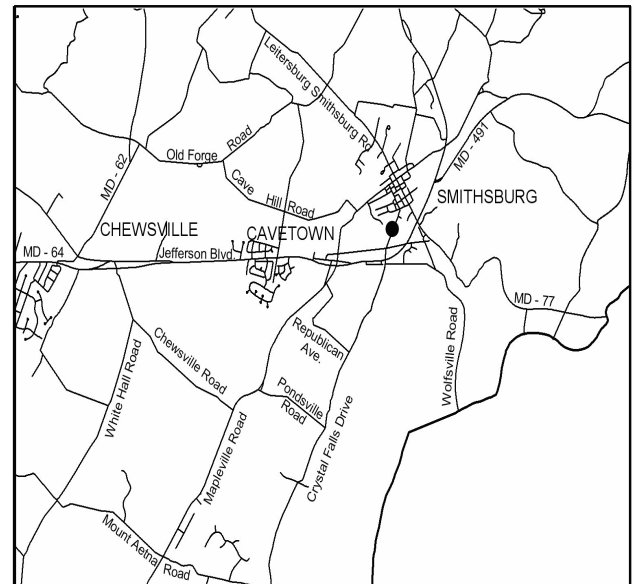
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	252,500	252,500	0	0	0	0	0	0	0
Land Acquisition	5,100	0	5,100	0	0	0	0	0	0
Construction	1,167,300	0	0	0	1,167,300	0	0	0	0
Inspection	106,100	0	0	0	106,100	0	0	0	0
Total Cost	1,531,000	252,500	5,100	0	1,273,400	0	0	0	0

Funding Sources:

General Fund	55,600	50,500	5,100	0	0	0	0	0	0
Tax Supported Bond	313,400	0	0	0	313,400	0	0	0	0
Federal Grant	1,162,000	202,000	0	0	960,000	0	0	0	0
Total Funding	1,531,000	252,500	5,100	0	1,273,400	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. Replace a two lane concrete slab bridge with a new single span concrete bridge and make traffic barrier approach road improvements. Bridge Sufficiency Rating is 42.5 out of a maximum possible score of 100.

Assumptions & Justifications:

Project is proposed as a Federal Aid project with 80/20 cost share, pending grant funding approval.

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

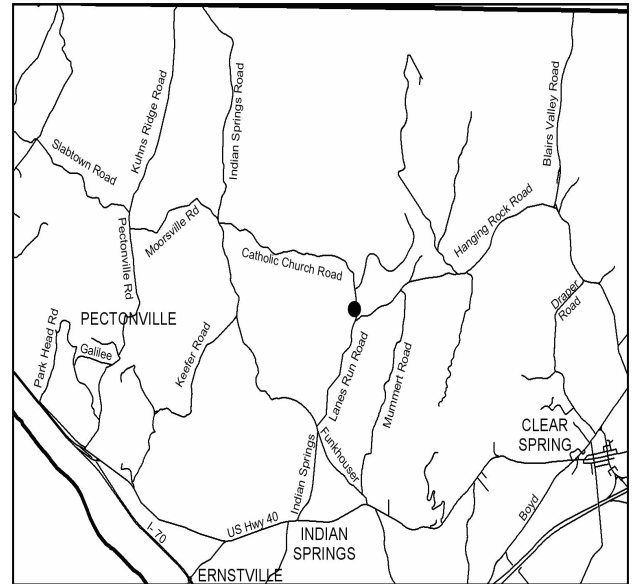
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	353,500	353,500	0	0	0	0	0	0	0
Land Acquisition	10,200	0	10,200	0	0	0	0	0	0
Construction	854,300	0	0	0	854,300	0	0	0	0
Inspection	106,100	0	0	0	106,100	0	0	0	0
Utilities	41,800	0	41,800	0	0	0	0	0	0
Total Cost	1,365,900	353,500	52,000	0	960,400	0	0	0	0

Funding Sources:

General Fund	122,700	70,700	52,000	0	0	0	0	0	0
Tax Supported Bond	192,100	0	0	0	192,100	0	0	0	0
Federal Grant	1,051,100	282,800	0	0	768,300	0	0	0	0
Total Funding	1,365,900	353,500	52,000	0	960,400	0	0	0	0

Project Title: Catholic Church Road Bridge 15/02**Project Number:** 1020**Account Number:** BRG074**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This project is located on Catholic Church Road at the intersection with Hanging Rock Road. Replace single lane steel stringer/open grid deck with single lane concrete slab bridge.

Assumptions & Justifications:

The project will be in conjunction with Newcomer Road bridge 14/02 and Mousetown Road culvert 06/02.

Needed to extend the useful life of this structure in a cost effective manner and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	2,000	0	2,000	0	0	0	0	0	0
Construction	127,500	0	127,500	0	0	0	0	0	0
Inspection	20,400	0	20,400	0	0	0	0	0	0
Total Cost	149,900	0	149,900	0	0	0	0	0	0

Funding Sources:

General Fund	149,900	0	149,900	0	0	0	0	0	0
Total Funding	149,900	0	149,900	0	0	0	0	0	0

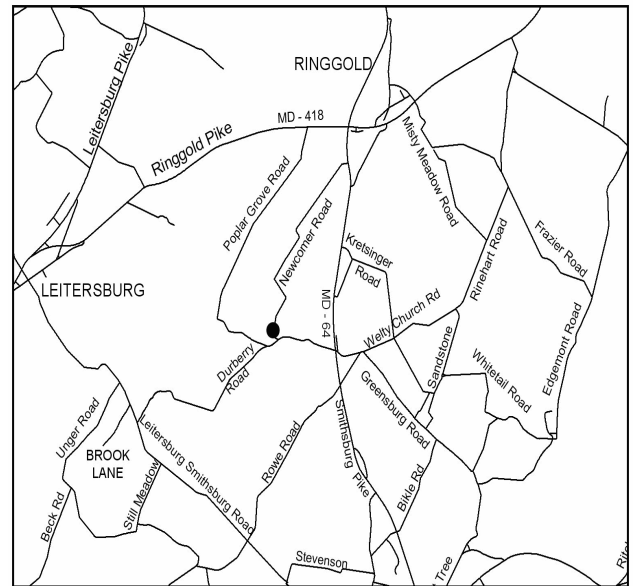
Project Title: Newcomer Road Bridge 14/02

Project Number: 1021

Account Number: BRG075

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located on Newcomer Road at the intersection with Gardenhour Road. Replace single lane steel bridge/open grid deck with single lane concrete slab bridge. Rebuild stone masonry abutments and provide scour countermeasures.

Assumptions & Justifications:

Project to be done in conjunction with Catholic Church Road bridge 15/02 and Mousetown Road culvert 06/02.

Needed to extend the useful life of this structure in a cost effective manner and improve vehicle safety.

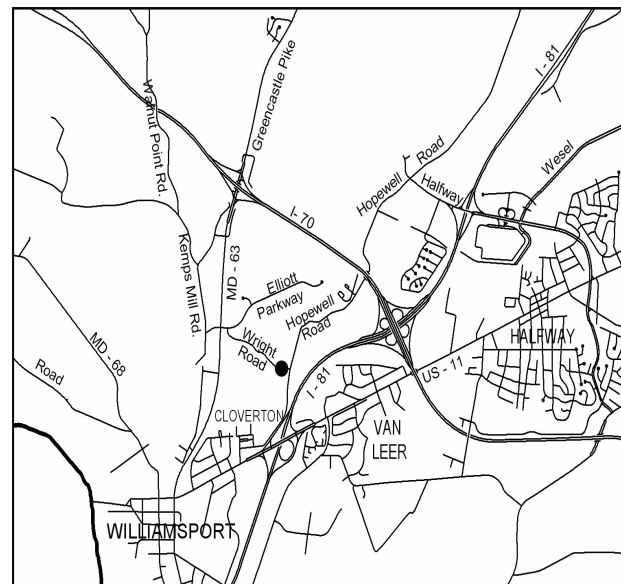
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	2,000	0	2,000	0	0	0	0	0	0
Construction	153,000	0	153,000	0	0	0	0	0	0
Inspection	20,400	0	20,400	0	0	0	0	0	0
Total Cost	175,400	0	175,400	0	0	0	0	0	0

Funding Sources:

General Fund	175,400	0	175,400	0	0	0	0	0	0
Total Funding	175,400	0	175,400	0	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). Replace concrete culvert with concrete pipes and headwalls. Install appropriate traffic barrier.

Assumptions & Justifications:

Project to be 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.

Needed to replace structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	2,000	2,000	0	0	0	0	0	0	0
Construction	185,700	0	0	0	185,700	0	0	0	0
Total Cost	187,700	2,000	0	0	185,700	0	0	0	0

Funding Sources:

General Fund	187,700	2,000	0	0	185,700	0	0	0	0
Total Funding	187,700	2,000	0	0	185,700	0	0	0	0

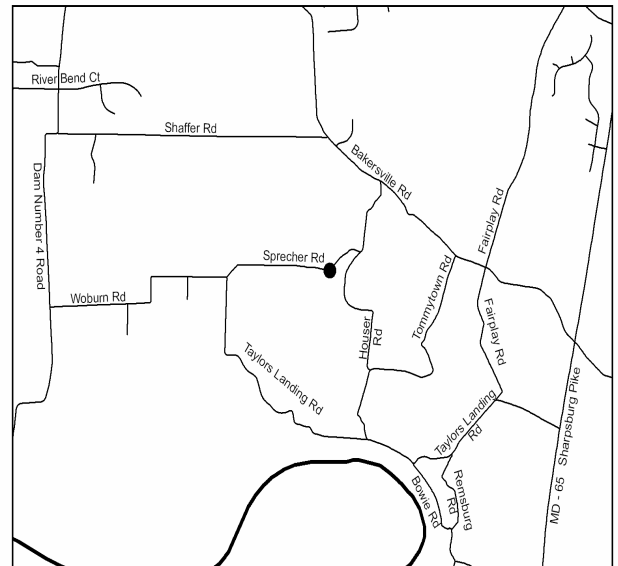
Project Title: Sprecher Road Bridge W5661

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). Replace single lane steel stringer/timber deck with a single lane concrete slab bridge. Bridge Sufficiency Rating is 79.9 out of a maximum possible score of 100.

Assumptions & Justifications:

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

Needed to extend the useful life of this structure in a cost effective manner and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	2,100	0	0	2,100	0	0	0	0	0
Construction	218,500	0	0	218,500	0	0	0	0	0
Inspection	30,200	0	0	30,200	0	0	0	0	0
Total Cost	250,800	0	0	250,800	0	0	0	0	0

Funding Sources:

Tax Supported Bond	250,800	0	0	250,800	0	0	0	0	0
Total Funding	250,800	0	0	250,800	0	0	0	0	0

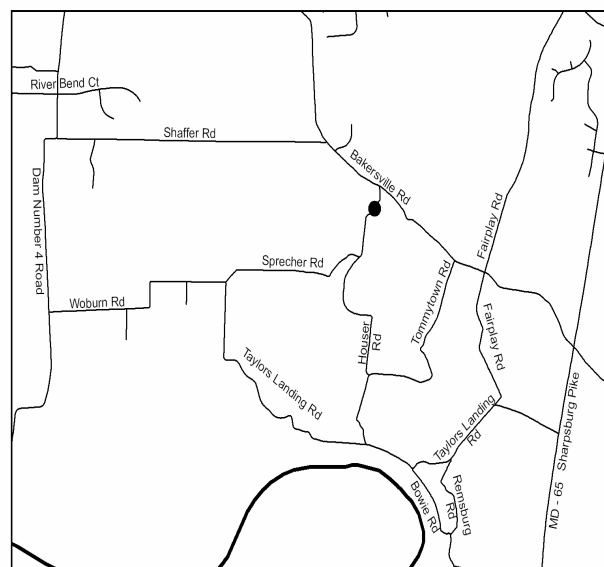
Project Title: Sprecher Road Bridge W5662

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). Replace single lane steel stringer/timber deck with single lane concrete slab bridge. Bridge Sufficiency Rating is 31.0 out of a maximum possible score of 100.

Assumptions & Justifications:

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

Needed to extend the useful life of this structure in a cost effective manner and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	2,100	0	0	2,100	0	0	0	0	0
Construction	228,900	0	0	228,900	0	0	0	0	0
Inspection	30,200	0	0	30,200	0	0	0	0	0
Total Cost	261,200	0	0	261,200	0	0	0	0	0

Funding Sources:

Tax Supported Bond	261,200	0	0	261,200	0	0	0	0	0
Total Funding	261,200	0	0	261,200	0	0	0	0	0

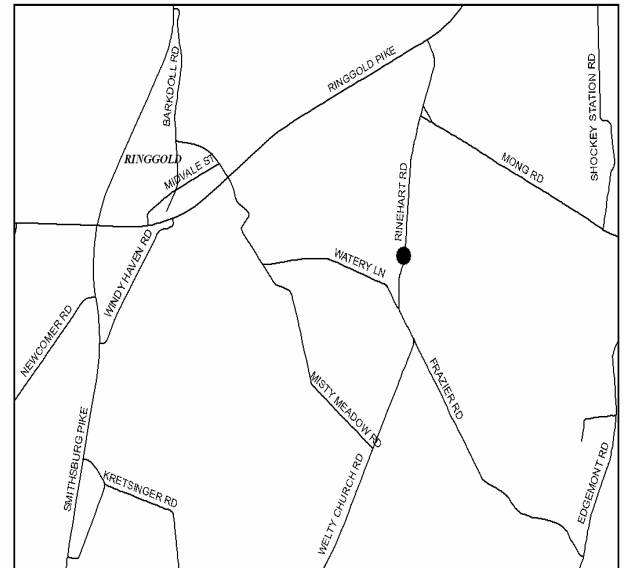
Project Title: Rinehart Road Culvert 14/03

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). Replace concrete slab bridge with 2 cell concrete box culvert and headwalls. Install appropriate traffic barrier.

Assumptions & Justifications:

Project to be completed with Kretsinger Road culvert 14/01.

Needed to replace structure that is near end of its useful life and improve vehicle safety.

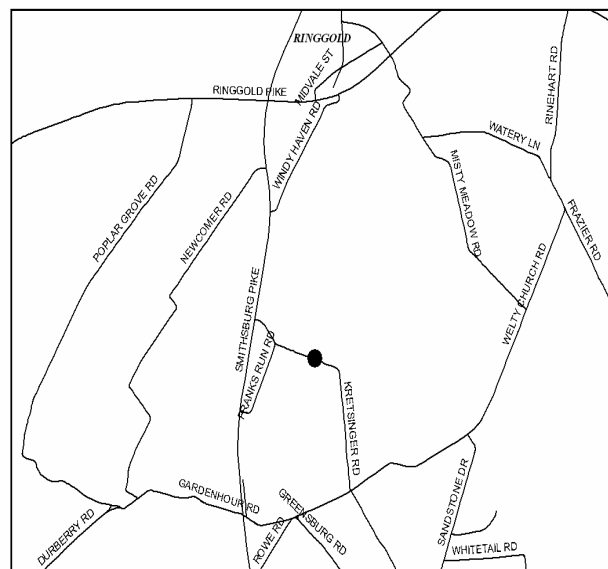
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,500	0	0	0	0	0	5,500	0	0
Construction	281,500	0	0	0	0	0	281,500	0	0
Inspection	32,000	0	0	0	0	0	32,000	0	0
Utilities	13,100	0	0	0	0	6,500	6,600	0	0
Total Cost	332,100	0	0	0	0	6,500	325,600	0	0

Funding Sources:

General Fund	6,500	0	0	0	0	6,500	0	0	0
Tax Supported Bond	325,600	0	0	0	0	0	325,600	0	0
Total Funding	332,100	0	0	0	0	6,500	325,600	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). Replace concrete slab bridge with two cell concrete box culvert and headwalls. Install appropriate traffic barrier.

Assumptions & Justifications:

Project to be in conjunction with Rinehart Road culvert 14/03.

Needed to replace structure that is near end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,500	0	0	0	0	0	5,500	0	0
Construction	265,000	0	0	0	0	0	265,000	0	0
Inspection	32,000	0	0	0	0	0	32,000	0	0
Utilities	6,600	0	0	0	0	0	6,600	0	0
Total Cost	309,100	0	0	0	0	0	309,100	0	0

Funding Sources:

Tax Supported Bond	309,100	0	0	0	0	0	309,100	0	0
Total Funding	309,100	0	0	0	0	0	309,100	0	0

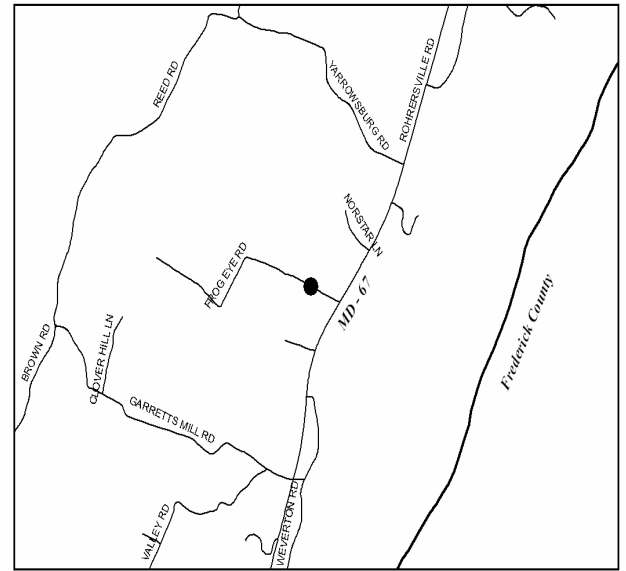
Project Title: Frog Eye Road Culvert 11/06

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). Replace single lane steel stringer/open steel grid deck with a two cell box culvert with headwalls. Project will include realignment of the road, use of existing bridge for access during construction, and the installation of appropriate traffic barrier.

Assumptions & Justifications:

Project assumes realignment of existing roadway and use of existing bridge during construction.

Needed to replace structure that is near end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	13,800	0	0	0	0	0	13,800	0	0
Construction	496,800	0	0	0	0	0	496,800	0	0
Inspection	53,000	0	0	0	0	0	53,000	0	0
Utilities	6,600	0	0	0	0	0	6,600	0	0
Total Cost	570,200	0	0	0	0	0	570,200	0	0

Funding Sources:

Tax Supported Bond	570,200	0	0	0	0	0	570,200	0	0
Total Funding	570,200	0	0	0	0	0	570,200	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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	389,700	0	0	0	0	389,700	0	0	0
Inspection	43,300	0	0	0	0	43,300	0	0	0
Total Cost	433,000	0	0	0	0	433,000	0	0	0

Funding Sources:

General Fund	433,000	0	0	0	0	433,000	0	0	0
Total Funding	433,000	0	0	0	0	433,000	0	0	0

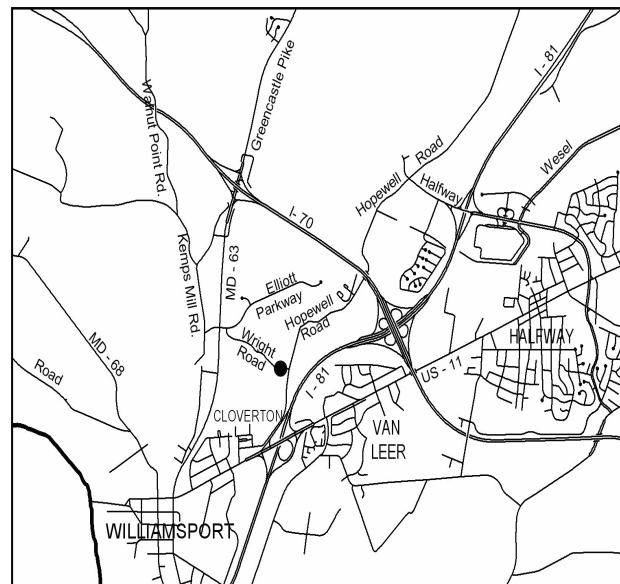
Project Title: Wright Road Culvert 02/05

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). Replace concrete slab bridge with concrete box culvert and headwalls. Install appropriate traffic barrier.

Assumptions & Justifications:

Project to be in conjunction with Hopewell Road culvert 02/01, 02/02, and Wright Road culvert 02/06 provided project is not completed by a developer as a result of their APFO contribution. Developer project may realign 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.

Needed to replace structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,200	0	0	5,200	0	0	0	0	0
Construction	191,000	0	0	0	191,000	0	0	0	0
Inspection	30,800	0	0	0	30,800	0	0	0	0
Utilities	6,400	0	0	0	6,400	0	0	0	0
Total Cost	233,400	0	0	5,200	228,200	0	0	0	0

Funding Sources:

General Fund	5,200	0	0	5,200	0	0	0	0	0
Tax Supported Bond	228,200	0	0	0	228,200	0	0	0	0
Total Funding	233,400	0	0	5,200	228,200	0	0	0	0

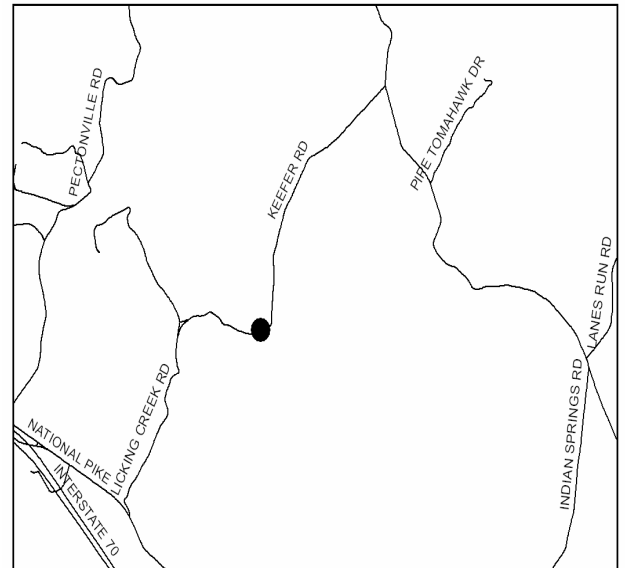
Project Title: Keefer Road Bridge 15/20

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). Replace steel stringer/timber deck with single lane concrete slab bridge and install appropriate traffic barrier.

Assumptions & Justifications:

Project to be in conjunction with Mt Tabor Road Bridge 13/03.

Needed to extend the useful life of this structure in a cost effective manner and improve vehicle safety.

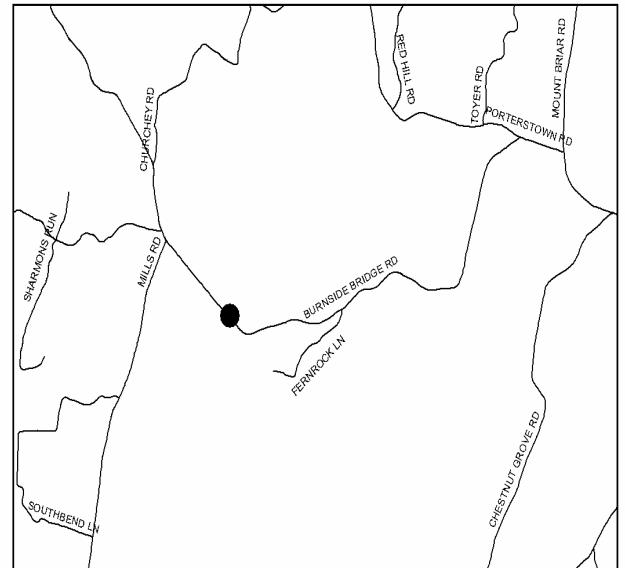
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	2,200	0	0	0	0	0	2,200	0	0
Construction	160,100	0	0	0	0	0	160,100	0	0
Inspection	24,300	0	0	0	0	0	24,300	0	0
Total Cost	186,600	0	0	0	0	0	186,600	0	0

Funding Sources:

General Fund	186,600	0	0	0	0	0	186,600	0	0
Total Funding	186,600	0	0	0	0	0	186,600	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). Replace concrete slab with precast concrete box culvert and headwalls.

Assumptions & Justifications:

Needed to replace structure that is near the end of its useful life and improve safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,500	0	0	0	0	0	5,500	0	0
Construction	259,500	0	0	0	0	0	259,500	0	0
Inspection	32,000	0	0	0	0	0	32,000	0	0
Utilities	2,200	0	0	0	0	0	2,200	0	0
Total Cost	299,200	0	0	0	0	0	299,200	0	0

Funding Sources:

Tax Supported Bond	299,200	0	0	0	0	0	299,200	0	0
Total Funding	299,200	0	0	0	0	0	299,200	0	0

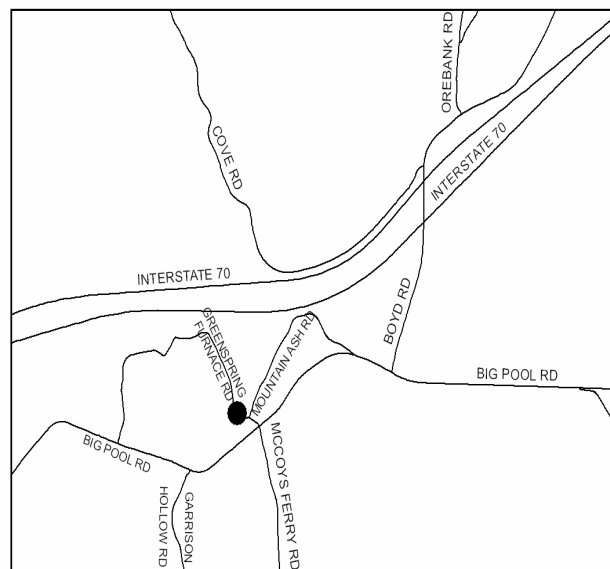
Project Title: Greenspring Furnace Road Culvert 15/15

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). Replace single lane concrete slab with a two cell concrete box culvert with headwalls.

Assumptions & Justifications:

Project assumes temporary roadway stream/culvert crossing during construction.

Needed to replace structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,500	0	0	0	0	0	0	5,500	0
Construction	342,300	0	0	0	0	0	0	342,300	0
Inspection	32,000	0	0	0	0	0	0	32,000	0
Utilities	2,200	0	0	0	0	0	0	2,200	0
Total Cost	382,000	0	0	0	0	0	0	382,000	0

Funding Sources:

General Fund	382,000	0	0	0	0	0	0	382,000	0
Total Funding	382,000	0	0	0	0	0	0	382,000	0

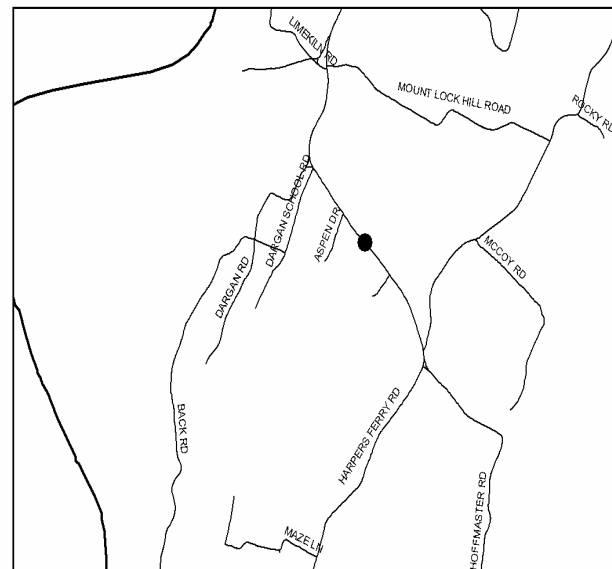
Project Title: Harpers Ferry Road Culvert 11/02

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). Replace concrete slab with a two cell concrete box culvert and headwalls. Project will include installation of appropriate traffic barrier.

Assumptions & Justifications:

Project to be in conjunction with Back Road Culvert 11/03.

Needed to replace structure that's near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,600	0	0	0	0	0	0	5,600	0
Construction	478,600	0	0	0	0	0	0	478,600	0
Inspection	40,500	0	0	0	0	0	0	40,500	0
Utilities	6,800	0	0	0	0	0	0	6,800	0
Total Cost	531,500	0	0	0	0	0	0	531,500	0

Funding Sources:

Tax Supported Bond	531,500	0	0	0	0	0	0	531,500	0
Total Funding	531,500	0	0	0	0	0	0	531,500	0

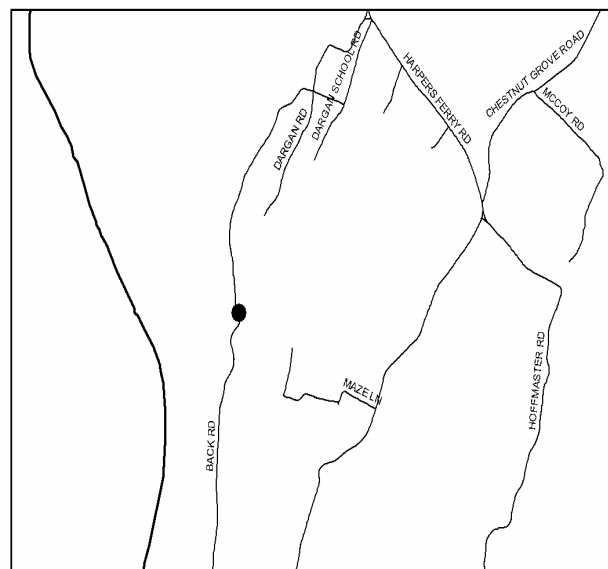
Project Title: Back Road Culvert 11/03

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 concrete box culvert and headwalls. Install the appropriate safety measures including marking and traffic barrier.

Assumptions & Justifications:

Project to be in conjunction with Harpers Ferry Road Culvert 11/02.

Needed to replace structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,600	0	0	0	0	0	0	5,600	0
Construction	242,100	0	0	0	0	0	0	242,100	0
Inspection	32,700	0	0	0	0	0	0	32,700	0
Utilities	3,400	0	0	0	0	0	0	3,400	0
Total Cost	283,800	0	0	0	0	0	0	283,800	0

Funding Sources:

General Fund	175,300	0	0	0	0	0	0	175,300	0
Tax Supported Bond	108,500	0	0	0	0	0	0	108,500	0
Total Funding	283,800	0	0	0	0	0	0	283,800	0

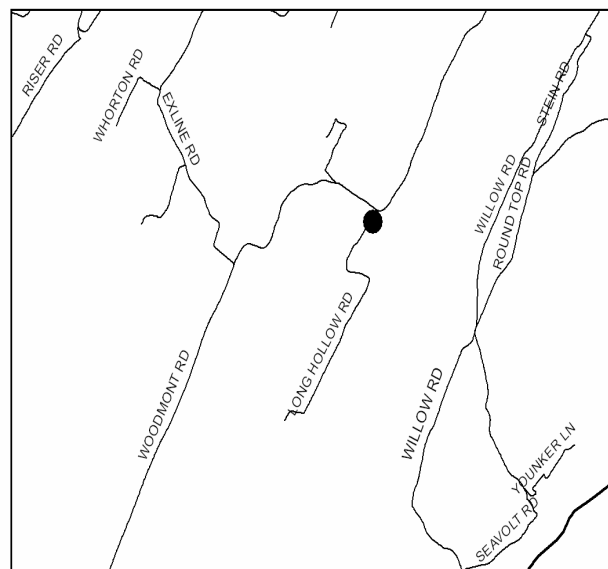
Project Title: Long Hollow Road Culvert 05/07

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). Replace concrete slab with a concrete box culvert and headwalls. Installation of appropriate traffic barrier.

Assumptions & Justifications:

Project to be in conjunction with Henline Road Culvert 05/05 and Hoffman's Inn Road 05/06.

Needed to replace structure that is near end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,700	0	0	0	0	0	0	0	5,700
Construction	247,000	0	0	0	0	0	0	0	247,000
Inspection	33,300	0	0	0	0	0	0	0	33,300
Utilities	2,300	0	0	0	0	0	0	0	2,300
Total Cost	288,300	0	0	0	0	0	0	0	288,300

Funding Sources:

General Fund	210,400	0	0	0	0	0	0	0	210,400
Tax Supported Bond	77,900	0	0	0	0	0	0	0	77,900
Total Funding	288,300	0	0	0	0	0	0	0	288,300

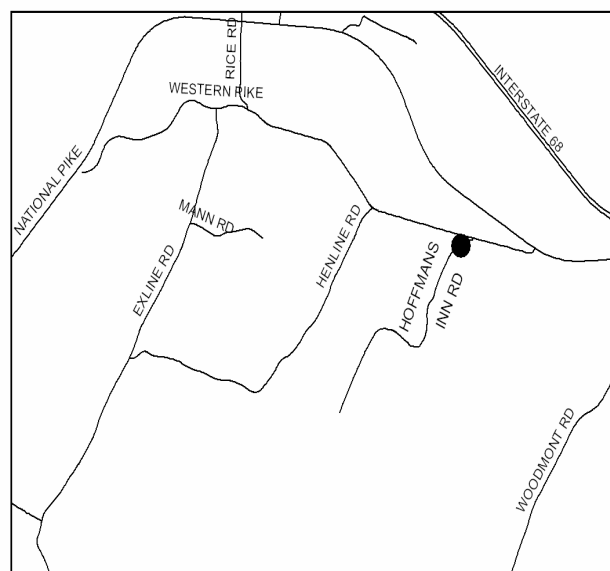
Project Title: Hoffman's Inn Road Culvert 05/06

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). Replace concrete slab with a concrete box culvert and headwalls. Installation of appropriate traffic barrier.

Assumptions & Justifications:

Project to be in conjunction with Long Hollow Road Culvert 05/07 and Henline Road Culvert 05/05.

Needed to replace structure that is near the end of its useful life and to improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	8,600	0	0	0	0	0	0	0	8,600
Construction	247,000	0	0	0	0	0	0	0	247,000
Inspection	33,300	0	0	0	0	0	0	0	33,300
Utilities	6,900	0	0	0	0	0	0	0	6,900
Total Cost	295,800	0	0	0	0	0	0	0	295,800

Funding Sources:

General Fund	165,400	0	0	0	0	0	0	0	165,400
Tax Supported Bond	130,400	0	0	0	0	0	0	0	130,400
Total Funding	295,800	0	0	0	0	0	0	0	295,800

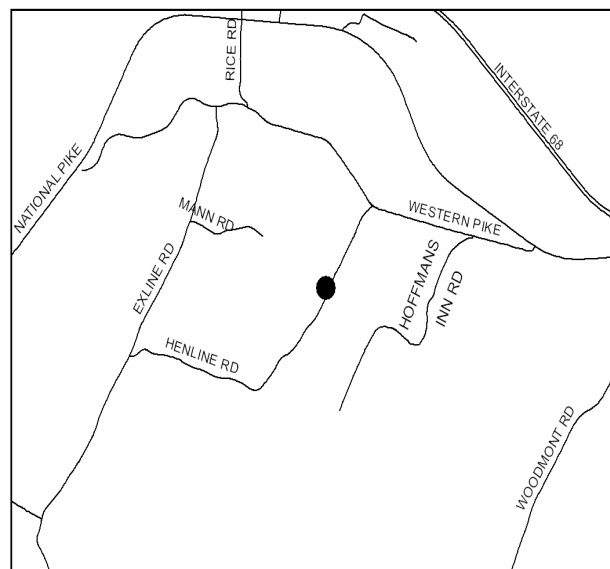
Project Title: Henline Road Culvert 05/05

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). Replace concrete slab with a concrete box culvert and headwalls. Installation of appropriate traffic barrier.

Assumptions & Justifications:

Project to be in conjunction with Longmeadow Road Culvert 05/07 and Hoffman's Inn Road Culvert 05/06.

Needed to replace structure that is near the end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,700	0	0	0	0	0	0	0	5,700
Construction	384,800	0	0	0	0	0	0	0	384,800
Inspection	41,400	0	0	0	0	0	0	0	41,400
Utilities	2,300	0	0	0	0	0	0	0	2,300
Total Cost	434,200	0	0	0	0	0	0	0	434,200

Funding Sources:

Tax Supported Bond	434,200	0	0	0	0	0	0	0	434,200
Total Funding	434,200	0	0	0	0	0	0	0	434,200

Project Title: Bridge Scour Repairs

Project Number: 1086

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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.

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	212,200	0	0	0	212,200	0	0	0	0
Total Cost	212,200	0	0	0	212,200	0	0	0	0

Funding Sources:

General Fund	212,200	0	0	0	212,200	0	0	0	0
Total Funding	212,200	0	0	0	212,200	0	0	0	0

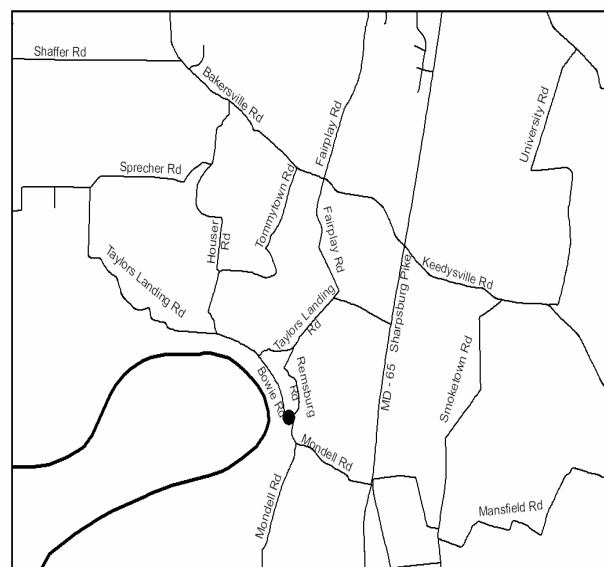
Project Title: **Bowie Road Culvert**

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). Replace culverts with precast concrete box culvert and headwalls.

Assumptions & Justifications:

Project will be done in conjunction with Remsburg Road Culvert.

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

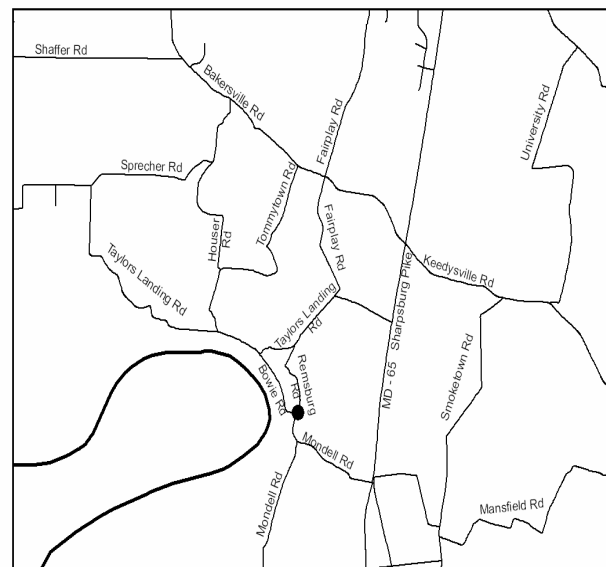
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,700	0	0	0	0	0	0	0	5,700
Construction	234,300	0	0	0	0	0	0	0	234,300
Inspection	34,000	0	0	0	0	0	0	0	34,000
Utilities	6,900	0	0	0	0	0	0	0	6,900
Total Cost	280,900	0	0	0	0	0	0	0	280,900

Funding Sources:

General Fund	280,900	0	0	0	0	0	0	0	280,900
Total Funding	280,900	0	0	0	0	0	0	0	280,900

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). Replace culverts with precast concrete box culvert and headwalls. Project will raise existing roadway elevation at crossing to reduce overtopping.

Assumptions & Justifications:

Project to be done in conjunction with Bowie Road Culvert.

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

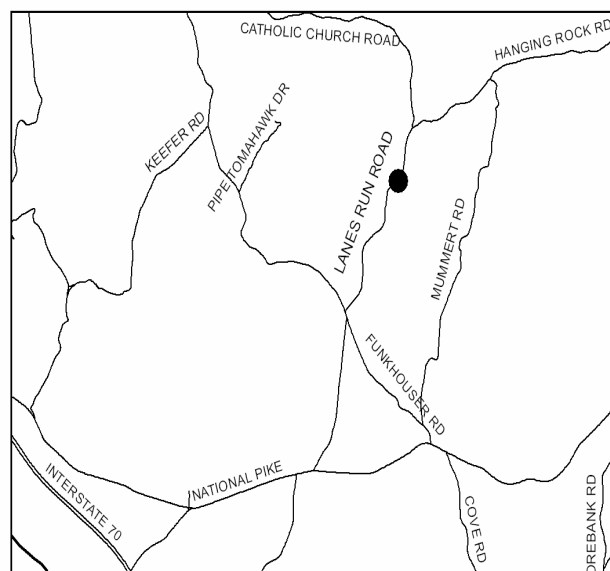
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,700	0	0	0	0	0	0	0	5,700
Construction	240,200	0	0	0	0	0	0	0	240,200
Inspection	34,000	0	0	0	0	0	0	0	34,000
Utilities	6,900	0	0	0	0	0	0	0	6,900
Total Cost	286,800	0	0	0	0	0	0	0	286,800

Funding Sources:

General Fund	234,200	0	0	0	0	0	0	0	234,200
Capital Reserve - General	52,600	0	0	0	0	0	0	0	52,600
Total Funding	286,800	0	0	0	0	0	0	0	286,800

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). Replace deteriorated two lane concrete slab bridge with a precast box culvert. 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,900	0	0	0	0	0	0	0	5,900
Construction	239,000	0	0	0	0	0	0	0	239,000
Inspection	35,900	0	0	0	0	0	0	0	35,900
Utilities	7,000	0	0	0	0	0	0	0	7,000
Total Cost	287,800	0	0	0	0	0	0	0	287,800

Funding Sources:

General Fund	25,500	0	0	0	0	0	0	0	25,500
Capital Reserve - General	262,300	0	0	0	0	0	0	0	262,300
Total Funding	287,800	0	0	0	0	0	0	0	287,800

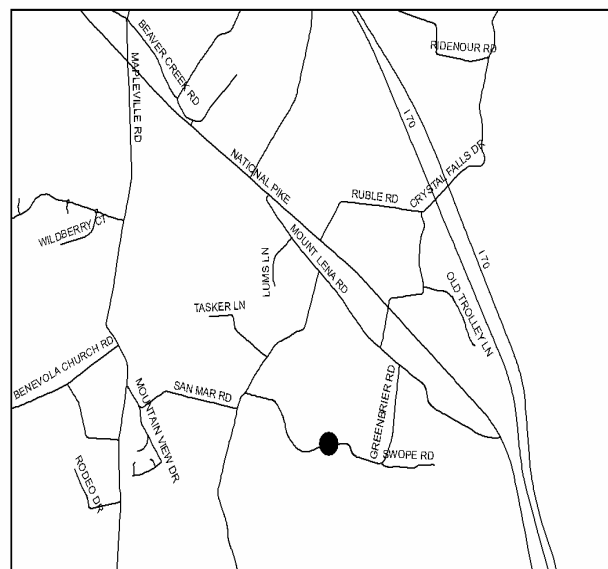
Project Title: Greenbrier Road Culvert 16/14

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). Replace deteriorated two lane corrugated metal pipe culvert with a precast box culvert. 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,900	0	0	0	0	0	0	0	5,900
Construction	268,900	0	0	0	0	0	0	0	268,900
Inspection	35,900	0	0	0	0	0	0	0	35,900
Utilities	7,000	0	0	0	0	0	0	0	7,000
Total Cost	317,700	0	0	0	0	0	0	0	317,700

Funding Sources:

General Fund	12,900	0	0	0	0	0	0	0	12,900
Capital Reserve - General	304,800	0	0	0	0	0	0	0	304,800
Total Funding	317,700	0	0	0	0	0	0	0	317,700

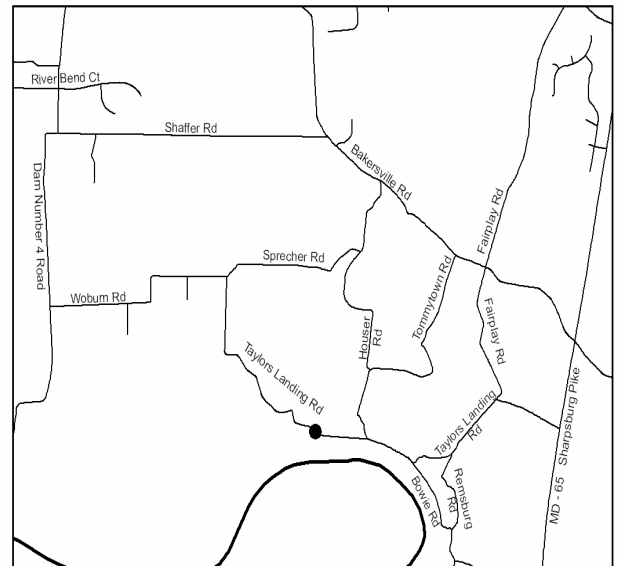
Project Title: Taylors Landing Road Bridge W7101

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). Replace deteriorated corrugated metal pipe culvert with a precast concrete arch culvert. 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	11,700	0	0	0	0	0	0	0	11,700
Construction	1,051,700	0	0	0	0	0	0	0	1,051,700
Inspection	107,600	0	0	0	0	0	0	0	107,600
Utilities	14,100	0	0	0	0	0	0	0	14,100
Total Cost	1,185,100	0	0	0	0	0	0	0	1,185,100

Funding Sources:

Capital Reserve - General	1,185,100	0	0	0	0	0	0	0	1,185,100
Total Funding	1,185,100	0	0	0	0	0	0	0	1,185,100

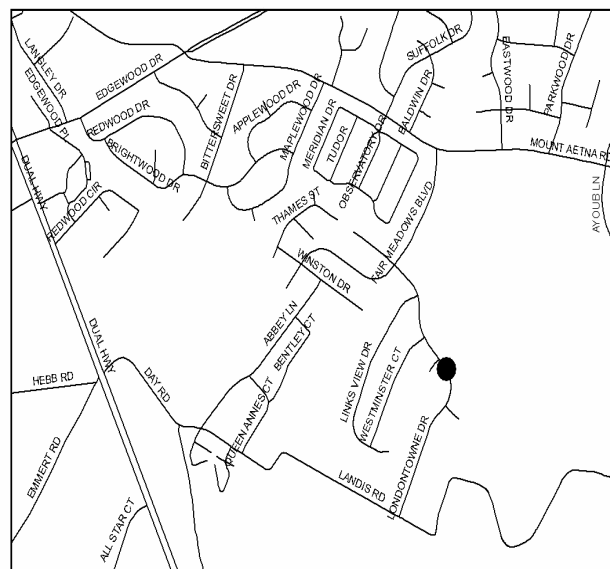
Project Title: Londontowne Drive Culvert 10/03

Project Number: 1160

Account Number: BRG076

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project is located on Londontowne Drive near Eagle Lane (ADC Map 22, Grid A-11). Replace existing corrugated metal pipes with a larger concrete box culvert and new headwalls.

Assumptions & Justifications:

To alleviate regularly occurring localized flooding of residential properties due to inadequate culvert size.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,100	0	5,100	0	0	0	0	0	0
Construction	178,500	0	178,500	0	0	0	0	0	0
Inspection	20,400	0	20,400	0	0	0	0	0	0
Utilities	5,100	0	5,100	0	0	0	0	0	0
Total Cost	209,100	0	209,100	0	0	0	0	0	0

Funding Sources:

General Fund	51,500	0	51,500	0	0	0	0	0	0
Tax Supported Bond	157,600	0	157,600	0	0	0	0	0	0
Total Funding	209,100	0	209,100	0	0	0	0	0	0

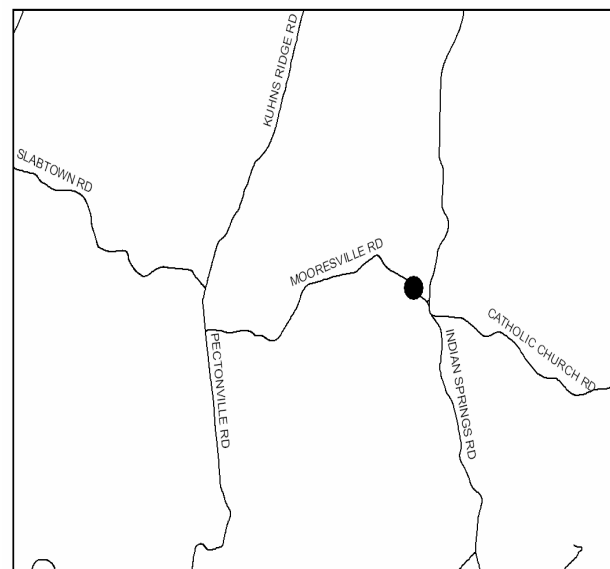
Project Title: Mooresville Road Culvert 15/21

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). Replace deteriorated multiple corrugated metal pipe culvert with new precast concrete box culvert.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,600	0	0	0	0	0	0	0	5,600
Construction	269,900	0	0	0	0	0	0	0	269,900
Inspection	41,400	0	0	0	0	0	0	0	41,400
Utilities	11,300	0	0	0	0	0	0	0	11,300
Total Cost	328,200	0	0	0	0	0	0	0	328,200

Funding Sources:

General Fund	16,900	0	0	0	0	0	0	0	16,900
Capital Reserve - General	311,300	0	0	0	0	0	0	0	311,300
Total Funding	328,200	0	0	0	0	0	0	0	328,200

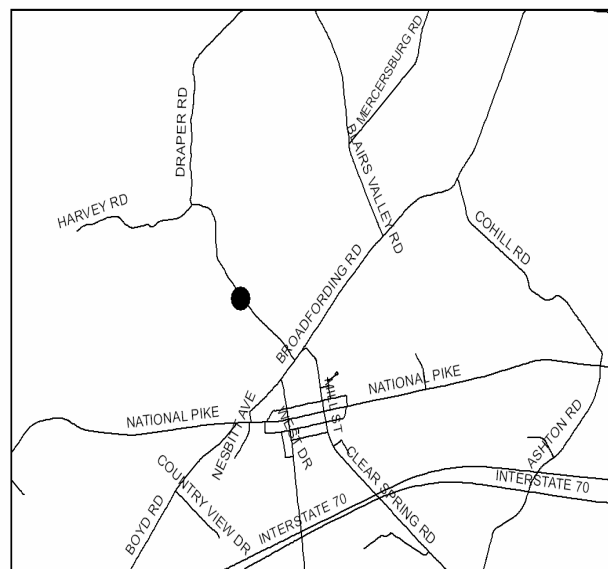
Project Title: Draper Road Culvert 04/07

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). Replace concrete slab with new precast concrete box culvert.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,900	0	0	0	0	0	0	0	5,900
Construction	334,600	0	0	0	0	0	0	0	334,600
Inspection	43,000	0	0	0	0	0	0	0	43,000
Utilities	11,700	0	0	0	0	0	0	0	11,700
Total Cost	395,200	0	0	0	0	0	0	0	395,200

Funding Sources:

General Fund	395,200	0	0	0	0	0	0	0	395,200
Total Funding	395,200	0	0	0	0	0	0	0	395,200

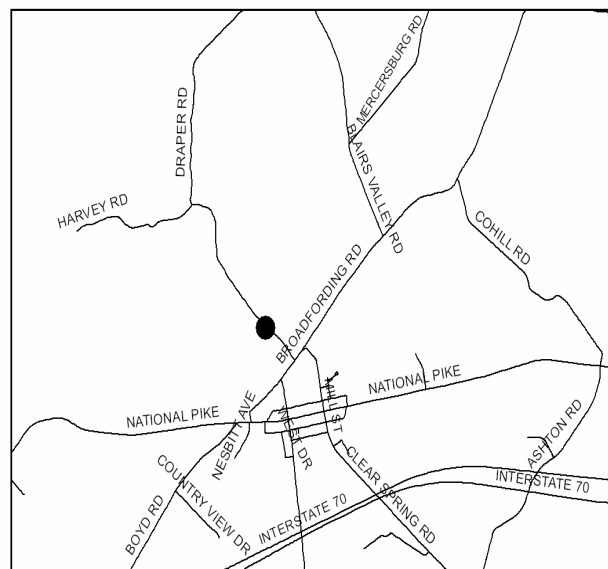
Project Title: Draper Road Culvert 04/08

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). Replace concrete slab with new precast concrete box culvert.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,900	0	0	0	0	0	0	0	5,900
Construction	286,800	0	0	0	0	0	0	0	286,800
Inspection	43,000	0	0	0	0	0	0	0	43,000
Utilities	23,400	0	0	0	0	0	0	0	23,400
Total Cost	359,100	0	0	0	0	0	0	0	359,100

Funding Sources:

General Fund	359,100	0	0	0	0	0	0	0	359,100
Total Funding	359,100	0	0	0	0	0	0	0	359,100

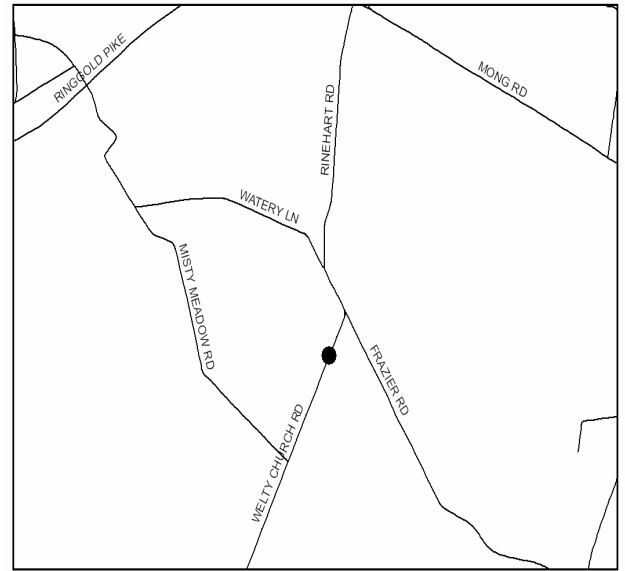
Project Title: Welty Church Road Culvert 14/06

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). Replace 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	6,000	0	0	0	0	0	0	0	6,000
Construction	0	0	0	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Total Cost	6,000	0	0	0	0	0	0	0	6,000

Funding Sources:

General Fund	6,000	0	0	0	0	0	0	0	6,000
Total Funding	6,000	0	0	0	0	0	0	0	6,000

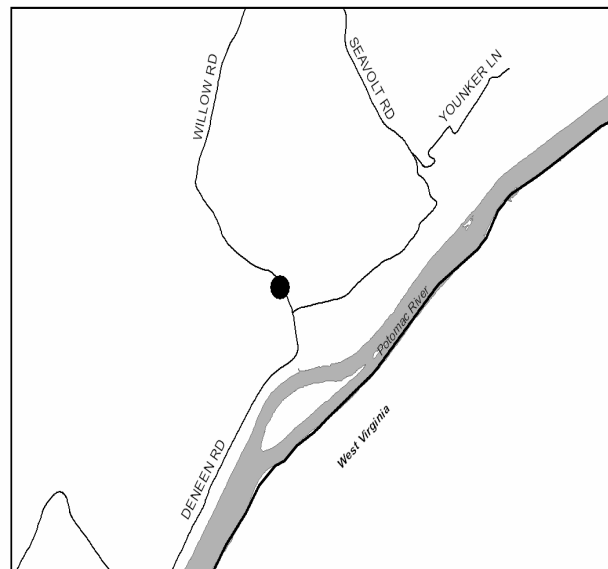
Project Title: Willow Road Culvert 05/10

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). Replace concrete slab with a concrete box culvert with headwalls.

Assumptions & Justifications:

Bridge is in a condition beyond serviceable repair.

This bridge is structurally and functionally deficient and requires replacement.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,900	0	0	0	0	0	0	0	5,900
Construction	251,000	0	0	0	0	0	0	0	251,000
Inspection	43,000	0	0	0	0	0	0	0	43,000
Total Cost	299,900	0	0	0	0	0	0	0	299,900

Funding Sources:

General Fund	299,900	0	0	0	0	0	0	0	299,900
Total Funding	299,900	0	0	0	0	0	0	0	299,900

Drainage



Washington County, Maryland
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Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Drainage										
102	Interstate Industrial Park Stormwater Management	2,898,500	0	0	0	0	0	1,021,200	900,900	976,400
103	Stream Restoration at Various Locations	2,081,300	420,800	244,800	416,200	0	43,300	441,600	0	514,600
104	Trego Mountain Road Culverts	295,800	0	295,800	0	0	0	0	0	0
105	Stormwater Retrofits	8,441,500	44,000	860,900	878,100	895,700	913,500	931,900	950,400	2,967,000
106	Shank Road Drainage	165,600	0	0	0	0	0	0	165,600	0
107	Hoffmaster and Harpers Ferry Road Drainage	1,004,400	0	0	0	0	0	0	33,800	970,600
108	Harpers Ferry Road Drainage, 3600 Block	407,700	0	0	0	0	0	0	67,600	340,100
109	Bittersweet Drive Drainage	35,000	0	35,000	0	0	0	0	0	0
110	Brookfield Avenue Drainage	115,900	0	0	0	0	0	0	115,900	0
Drainage Total		15,445,700	464,800	1,436,500	1,294,300	895,700	956,800	2,394,700	2,234,200	5,768,700
Funding Sources										
	General Fund	3,565,100	464,800	335,600	416,200	0	43,300	565,700	382,900	1,356,600
	Tax Supported Bond	9,298,600	0	860,900	878,100	895,700	913,500	931,900	1,382,800	3,435,700
	Capital Reserve - General	834,800	0	0	0	0	0	366,100	0	468,700
	Federal Grant	240,000	0	240,000	0	0	0	0	0	0
	Contributions	1,507,200	0	0	0	0	0	531,000	468,500	507,700
		15,445,700	464,800	1,436,500	1,294,300	895,700	956,800	2,394,700	2,234,200	5,768,700

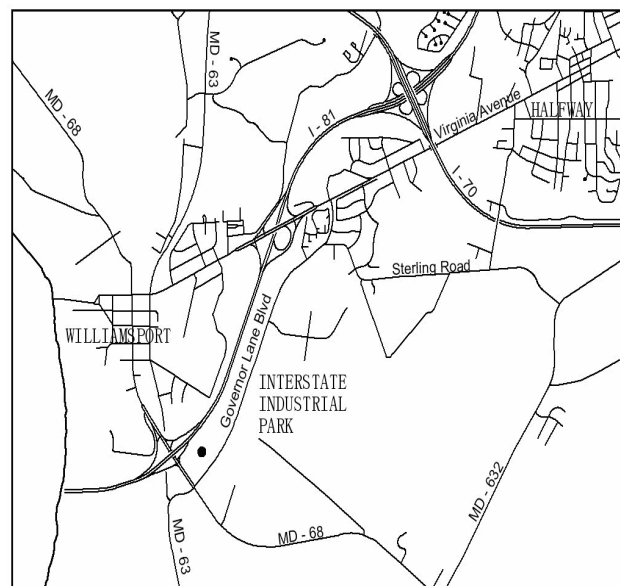
Project Title: Interstate Industrial Park Stormwater Management

Project Number: 10

Account Number: DNG012

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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

Assumptions & Justifications:

The project is to be a joint effort between the County and a private developer. Full project costs are shown, developer share may be 52%.

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	552,000	0	0	0	0	0	552,000	0	0
Construction	2,263,700	0	0	0	0	0	386,400	900,900	976,400
Inspection	82,800	0	0	0	0	0	82,800	0	0
Total Cost	2,898,500	0	0	0	0	0	1,021,200	900,900	976,400

Funding Sources:

General Fund	490,200	0	0	0	0	0	490,200	0	0
Tax Supported Bond	901,100	0	0	0	0	0	0	432,400	468,700
Contributions	1,507,200	0	0	0	0	0	531,000	468,500	507,700
Total Funding	2,898,500	0	0	0	0	0	1,021,200	900,900	976,400

Project Title: Stream Restoration at Various Locations

Project Number: 1009

Account Number: DNG030

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

Restore stream banks at various locations on the Antietam Creek and Conococheague Creek to improve water quality.

Assumptions & Justifications:

A \$240,000 MDE 319h grant has been secured (40% local match required) for a stream restoration project on Little Antietam Creek along Greensburg Road. This project will be completed in FY14 to meet the grant obligation. It is anticipated that the Pleasant Valley Road stream restoration project will be completed with local funding from FY15. Stream restoration projects in FY18 and FY21 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	170,800	40,800	40,800	0	0	43,300	0	0	45,900
Construction	1,910,500	380,000	204,000	416,200	0	0	441,600	0	468,700
Total Cost	2,081,300	420,800	244,800	416,200	0	43,300	441,600	0	514,600

Funding Sources:

General Fund	1,006,500	420,800	4,800	416,200	0	43,300	75,500	0	45,900
Capital Reserve - General	834,800	0	0	0	0	0	366,100	0	468,700
Federal Grant	240,000	0	240,000	0	0	0	0	0	0
Total Funding	2,081,300	420,800	244,800	416,200	0	43,300	441,600	0	514,600

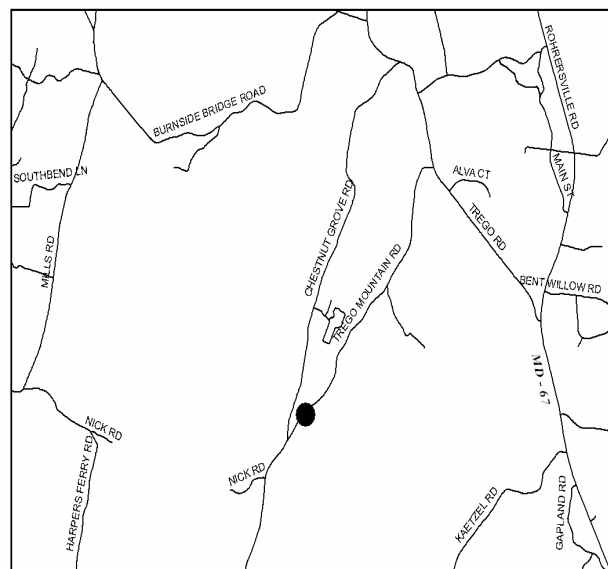
Project Title: Trego Mountain Road Culverts

Project Number: 1098

Account Number: DNG073

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project is located on the 3500 block of Trego Mountain Road (ADC Map 34, Grid H-8). Replace deteriorated culverts and masonry headwalls at two crossing locations. Upgraded traffic barrier will be added as well to improve safety.

Assumptions & Justifications:

Both culverts will be grouped together for construction as one project.

Need to replace structures nearing the end of their useful life. Due to structure, size, and need for new headwalls, no practical repair option exists.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	5,100	0	5,100	0	0	0	0	0	0
Construction	255,000	0	255,000	0	0	0	0	0	0
Inspection	29,600	0	29,600	0	0	0	0	0	0
Utilities	6,100	0	6,100	0	0	0	0	0	0
Total Cost	295,800	0	295,800	0	0	0	0	0	0

Funding Sources:

General Fund	295,800	0	295,800	0	0	0	0	0	0
Total Funding	295,800	0	295,800	0	0	0	0	0	0

Project Title: Stormwater Retrofits

Project Number: 1125

Account Number: DNG039

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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:

Provide treatment for 20% of the impervious surfaces within the regulated NPDES area estimated to be 2,900 acres. Treat 580 acres per year.

Regulatory requirement imposed by EPA and MDE.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	262,900	24,000	24,500	25,000	25,500	26,000	26,500	27,000	84,400
Land Acquisition	218,900	20,000	20,400	20,800	21,200	21,600	22,100	22,500	70,300
Construction	7,959,700	0	816,000	832,300	849,000	865,900	883,300	900,900	2,812,300
Total Cost	8,441,500	44,000	860,900	878,100	895,700	913,500	931,900	950,400	2,967,000

Funding Sources:

General Fund	44,000	44,000	0	0	0	0	0	0	0
Tax Supported Bond	8,397,500	0	860,900	878,100	895,700	913,500	931,900	950,400	2,967,000
Total Funding	8,441,500	44,000	860,900	878,100	895,700	913,500	931,900	950,400	2,967,000

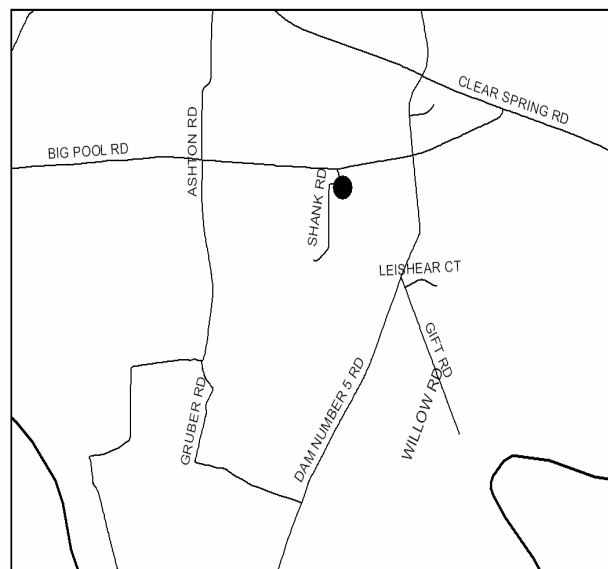
Project Title: Shank Road Drainage

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). Stabilize stream bank and roadway embankment.

Assumptions & Justifications:

Existing retaining wall 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	2,300	0	0	0	0	0	0	2,300	0
Construction	140,800	0	0	0	0	0	0	140,800	0
Inspection	22,500	0	0	0	0	0	0	22,500	0
Total Cost	165,600	0	0	0	0	0	0	165,600	0

Funding Sources:

General Fund	120,600	0	0	0	0	0	0	120,600	0
Tax Supported Bond	45,000	0	0	0	0	0	0	45,000	0
Total Funding	165,600	0	0	0	0	0	0	165,600	0

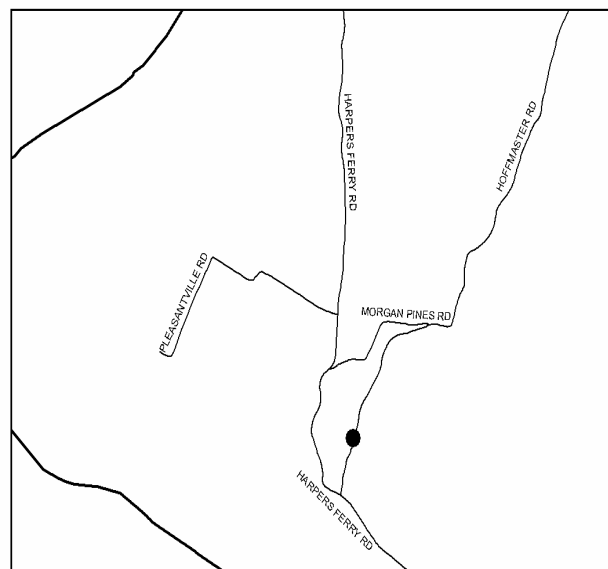
Project Title: Hoffmaster and Harpers Ferry Road Drainage

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). Drainage improvements to stabilize the stream bank and roadway embankment.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	11,300	0	0	0	0	0	0	11,300	0
Construction	901,700	0	0	0	0	0	0	0	901,700
Inspection	68,900	0	0	0	0	0	0	0	68,900
Utilities	22,500	0	0	0	0	0	0	22,500	0
Total Cost	1,004,400	0	0	0	0	0	0	33,800	970,600

Funding Sources:

General Fund	33,800	0	0	0	0	0	0	33,800	0
Tax Supported Bond	970,600	0	0	0	0	0	0	0	970,600
Total Funding	1,004,400	0	0	0	0	0	0	33,800	970,600

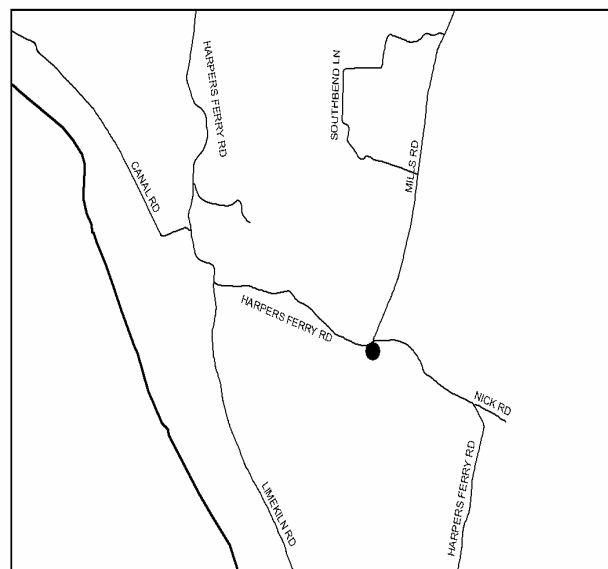
Project Title: Harpers Ferry Road Drainage, 3600 Block

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). Replace existing corrugated metal pipes with larger concrete pipes to reduce flooding impacts in this area.

Assumptions & Justifications:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	11,300	0	0	0	0	0	0	11,300	0
Construction	298,700	0	0	0	0	0	0	0	298,700
Inspection	41,400	0	0	0	0	0	0	0	41,400
Utilities	56,300	0	0	0	0	0	0	56,300	0
Total Cost	407,700	0	0	0	0	0	0	67,600	340,100

Funding Sources:

General Fund	407,700	0	0	0	0	0	0	67,600	340,100
Total Funding	407,700	0	0	0	0	0	0	67,600	340,100

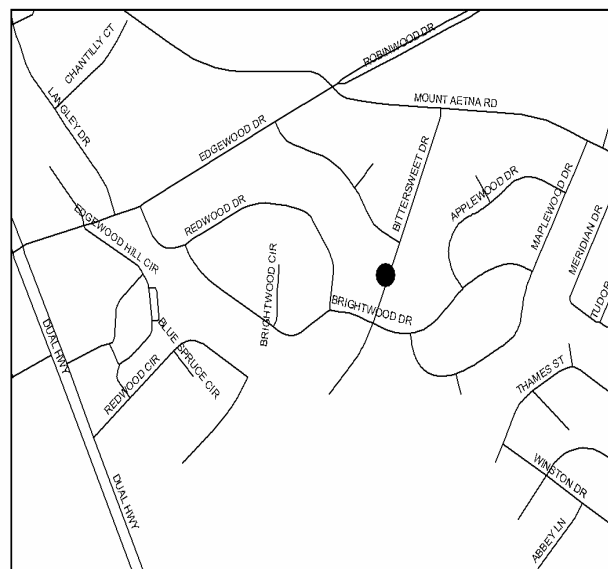
Project Title: Bittersweet Drive Drainage

Project Number: 1198

Account Number: DNG074

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project is located in the 20 Block of Bittersweet Drive (ADC Map 21, Grid K-10). Work involves stabilizing the edge of the roadway by placing a pipe culvert and headwalls to carry the drainage channel flow.

Assumptions & Justifications:

Work is needed to permanently stabilize the roadway shoulder to preserve the road. Road is scheduled for pavement treatment in FY14.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	35,000	0	35,000	0	0	0	0	0	0
Total Cost	35,000	0	35,000	0	0	0	0	0	0

Funding Sources:

General Fund	35,000	0	35,000	0	0	0	0	0	0
Total Funding	35,000	0	35,000	0	0	0	0	0	0

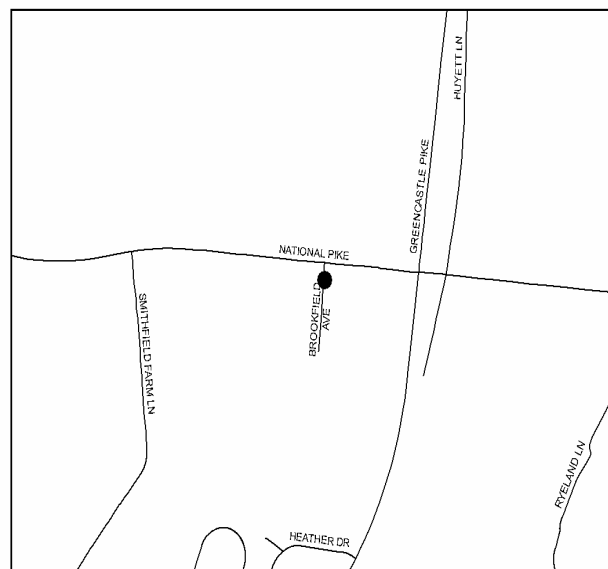
Project Title: Brookfield Avenue Drainage

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). Provide channel and culvert improvement to correct road and property flooding.

Assumptions & Justifications:

Needed to correct road and property flooding problems and reduce structure maintenance.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	115,900	0	0	0	0	0	0	115,900	0
Total Cost	115,900	0	0	0	0	0	0	115,900	0

Funding Sources:

General Fund	115,900	0	0	0	0	0	0	115,900	0
Total Funding	115,900	0	0	0	0	0	0	115,900	0

Education



Washington County, Maryland
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Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Education										
Board of Education										
112	Relocatable Classrooms	3,731,300	0	0	364,100	371,400	378,900	386,400	394,200	1,836,300
113	Capital Maintenance - BOE	20,602,000	2,313,000	4,789,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000
114	East City High (New School)	54,356,800	0	0	0	0	0	165,600	574,300	53,616,900
115	Bester Elementary (Replacement School)	23,642,600	9,880,200	10,862,300	2,900,100	0	0	0	0	0
116	Fountaindale Elementary Additions/Renovations	4,689,600	0	0	0	0	0	0	0	4,689,600
117	West City Elementary School - Phase I	18,627,000	151,500	748,500	8,009,400	7,038,100	2,679,500	0	0	0
118	Sharpsburg Elementary School- Replacement	20,987,600	0	0	0	0	1,840,100	8,828,200	8,178,100	2,141,200
119	Boonsboro High School - Modernization	304,700	0	0	0	0	0	0	0	304,700
	Board of Education Total	146,941,600	12,344,700	16,399,800	12,773,600	8,909,500	6,398,500	10,880,200	10,646,600	68,588,700
Hagerstown Community College										
120	Campus Operations Building	5,898,500	0	0	0	0	0	0	0	5,898,500
121	Student Center Expansion	8,106,900	855,800	0	3,338,500	3,912,600	0	0	0	0
122	Technology Center Renovation	7,954,900	0	0	0	0	0	0	0	7,954,900
123	Police, Fire and Emergency Services Training Facility	14,830,300	0	0	0	0	985,400	9,241,600	4,603,300	0
124	ARCC Roof Replacement	1,543,400	705,500	837,900	0	0	0	0	0	0
125	Central Utility Plant Upgrade	2,627,100	0	0	168,300	2,458,800	0	0	0	0
126	Teacher Education Center	3,841,100	0	0	0	0	0	0	0	3,841,100
	Hagerstown Community College Total	44,802,200	1,561,300	837,900	3,506,800	6,371,400	985,400	9,241,600	4,603,300	17,694,500
Public Libraries										
127	Hancock Public Library Replacement	3,718,600	0	250,000	6,900	8,300	9,600	12,300	14,900	3,416,600
	Public Libraries Total	3,718,600	0	250,000	6,900	8,300	9,600	12,300	14,900	3,416,600
	Education Total	195,462,400	13,906,000	17,487,700	16,287,300	15,289,200	7,393,500	20,134,100	15,264,800	89,699,800
	TOTAL	195,462,400	13,906,000	17,487,700	16,287,300	15,289,200	7,393,500	20,134,100	15,264,800	89,699,800
Funding Sources										
	General Fund	8,146,200	2,250,000	818,100	95,300	100,900	0	753,600	84,200	4,044,100
	Tax Supported Bond	57,899,600	3,708,300	7,293,600	4,747,600	4,722,300	2,992,300	3,873,300	4,319,100	26,243,100
	Transfer Tax	19,100	19,100	0	0	0	0	0	0	0
	Excise Tax - Schools	5,300,000	1,150,000	242,400	242,400	289,000	335,700	429,000	522,300	2,089,200
	Excise Tax - Library	118,500	0	6,900	6,900	8,300	9,600	12,300	14,900	59,600
	Capital Reserve - General	10,483,700	488,800	0	2,157,100	0	0	1,081,500	0	6,756,300
	State Grant	112,250,200	6,289,800	9,126,700	9,038,000	10,168,700	4,055,900	13,434,400	10,324,300	49,812,400
	Contributions	1,245,100	0	0	0	0	0	550,000	0	695,100
		195,462,400	13,906,000	17,487,700	16,287,300	15,289,200	7,393,500	20,134,100	15,264,800	89,699,800

Project Title: Relocatable Classrooms

Project Number: 80

Account Number: SCH008

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

Install relocatable classrooms at sites to be determined by enrollment projections.

Assumptions & Justifications:

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	3,731,300	0	0	364,100	371,400	378,900	386,400	394,200	1,836,300
Total Cost	3,731,300	0	0	364,100	371,400	378,900	386,400	394,200	1,836,300

Funding Sources:

General Fund	619,500	0	0	31,000	100,900	0	0	0	487,600
Tax Supported Bond	1,752,400	0	0	0	270,500	378,900	386,400	394,200	322,400
Capital Reserve - General	1,359,400	0	0	333,100	0	0	0	0	1,026,300
Total Funding	3,731,300	0	0	364,100	371,400	378,900	386,400	394,200	1,836,300

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:

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

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	20,601,900	2,312,900	4,789,000	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	20,602,000	2,313,000	4,789,000	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	1,000,000	750,000	0	0	0	0	0	0
Capital Reserve - General	250,000	250,000	0	0	0	0	0	0	0
State Grant	18,602,000	1,063,000	4,039,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000
Total Funding	20,602,000	2,313,000	4,789,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000

Project Title: East City High (New School)

Project Number: 86

Account Number:

Projected Annual FTE's: 10

Projected Operating Costs: \$1,180,000

Description:

Provides a new 155,280 SF high school with a capacity of 848 students, and core space(s) to support future enrollments up to 1,200 students. This project will cover the projected seating deficit of five other high schools.

Assumptions & Justifications:

This budget does not include funds for the purchase of land. This budget does not include the cost of off-site infrastructure, including roads and public utilities.

Enrollment pressures at multiple high schools in the eastern and central area of the county will require the construction of a new high school.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	3,662,500	0	0	0	0	0	165,600	574,300	2,922,600
Construction	45,878,100	0	0	0	0	0	0	0	45,878,100
Equipment/Furniture	4,816,200	0	0	0	0	0	0	0	4,816,200
Total Cost	54,356,800	0	0	0	0	0	165,600	574,300	53,616,900

Funding Sources:

Tax Supported Bond	24,003,600	0	0	0	0	0	0	287,100	23,716,500
Excise Tax - Schools	2,089,200	0	0	0	0	0	0	0	2,089,200
Capital Reserve - General	165,600	0	0	0	0	0	165,600	0	0
State Grant	28,098,400	0	0	0	0	0	0	287,200	27,811,200
Total Funding	54,356,800	0	0	0	0	0	165,600	574,300	53,616,900

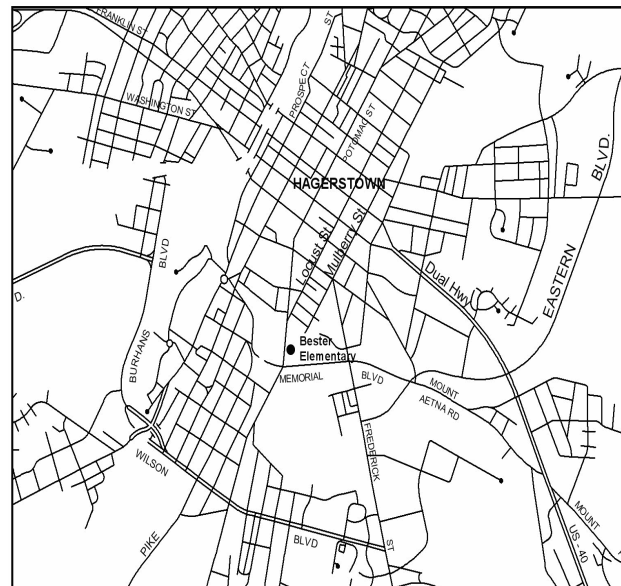
Project Title: Bester Elementary (Replacement School)

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	1,607,000	1,250,700	356,300	0	0	0	0	0	0
Construction	20,894,000	8,629,400	9,996,000	2,268,600	0	0	0	0	0
Equipment/Furniture	1,141,600	100	510,000	631,500	0	0	0	0	0
Total Cost	23,642,600	9,880,200	10,862,300	2,900,100	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	10,514,300	2,994,900	6,649,300	870,100	0	0	0	0	0
Excise Tax - Schools	1,150,000	1,150,000	0	0	0	0	0	0	0
Capital Reserve - General	1,911,300	87,300	0	1,824,000	0	0	0	0	0
State Grant	8,817,000	4,398,000	4,213,000	206,000	0	0	0	0	0
Total Funding	23,642,600	9,880,200	10,862,300	2,900,100	0	0	0	0	0

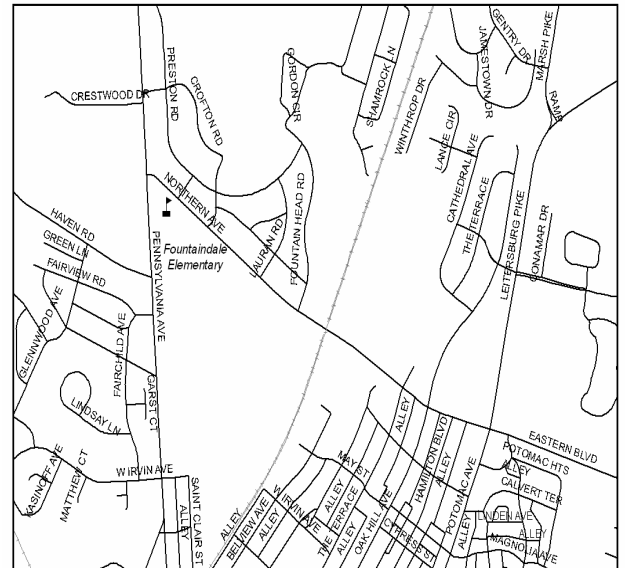
Project Title: Fountaindale Elementary Additions/Renovations

Project Number: 860

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$5,000



Description:

A 53,406 SF renovation and 8,000 SF addition to school originally constructed in 1949 with additions in 1954 and 1968.

Assumptions & Justifications:

Project needed due to the age of the building and changing student needs.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	1,032,600	0	0	0	0	0	0	0	1,032,600
Construction	3,657,000	0	0	0	0	0	0	0	3,657,000
Equipment/Furniture	0	0	0	0	0	0	0	0	0
Total Cost	4,689,600	0	0	0	0	0	0	0	4,689,600

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	774,200	0	0	0	0	0	0	0	774,200
Capital Reserve - General	1,355,400	0	0	0	0	0	0	0	1,355,400
State Grant	2,560,000	0	0	0	0	0	0	0	2,560,000
Total Funding	4,689,600	0	0	0	0	0	0	0	4,689,600

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:

Land and off-site appurtenance needs have not been identified, and the cost of such 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	1,540,000	151,500	748,500	376,000	184,000	80,000	0	0	0
Construction	16,149,500	0	0	7,633,400	6,516,100	2,000,000	0	0	0
Equipment/Furniture	937,500	0	0	0	338,000	599,500	0	0	0
Total Cost	18,627,000	151,500	748,500	8,009,400	7,038,100	2,679,500	0	0	0

Funding Sources:

Tax Supported Bond	6,756,200	0	506,100	2,642,300	2,269,100	1,338,700	0	0	0
Excise Tax - Schools	773,800	0	242,400	242,400	289,000	0	0	0	0
Capital Reserve - General	151,500	151,500	0	0	0	0	0	0	0
State Grant	10,945,500	0	0	5,124,700	4,480,000	1,340,800	0	0	0
Total Funding	18,627,000	151,500	748,500	8,009,400	7,038,100	2,679,500	0	0	0

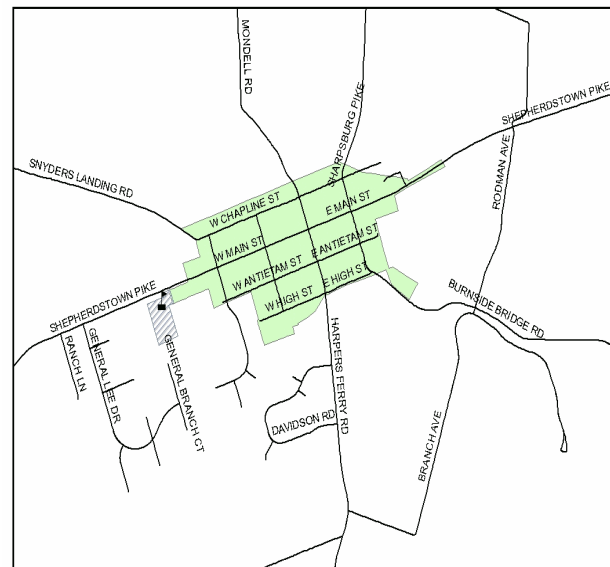
Project Title: Sharpsburg Elementary School- Replacement

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	2014	2015	2016	2017	2018	2019	Future
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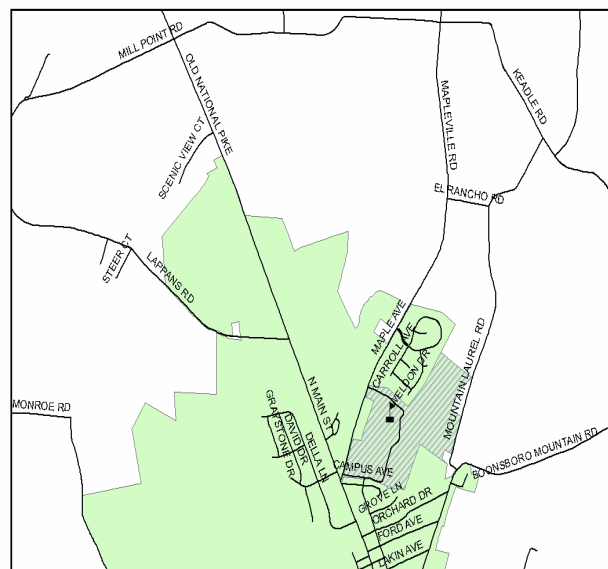
Project Costs:

Architect Fees	1,590,300	0	0	0	0	974,200	331,200	225,200	59,700
Construction	18,326,600	0	0	0	0	865,900	8,497,000	7,615,100	1,348,600
Equipment/Furniture	1,070,700	0	0	0	0	0	0	337,800	732,900
Total Cost	20,987,600	0	0	0	0	1,840,100	8,828,200	8,178,100	2,141,200

Funding Sources:

Tax Supported Bond	6,449,800	0	0	0	0	898,400	2,216,400	2,137,800	1,197,200
Excise Tax - Schools	1,287,000	0	0	0	0	335,700	429,000	522,300	0
State Grant	13,250,800	0	0	0	0	606,000	6,182,800	5,518,000	944,000
Total Funding	20,987,600	0	0	0	0	1,840,100	8,828,200	8,178,100	2,141,200

Projected Operating Costs: \$5,000



This project involves the renovation of 140,486 SF of existing building and the addition of 29,514 SF of classroom and core space.

Structure is over 40 years old and significant growth is projected in the Boonsboro High attendance area.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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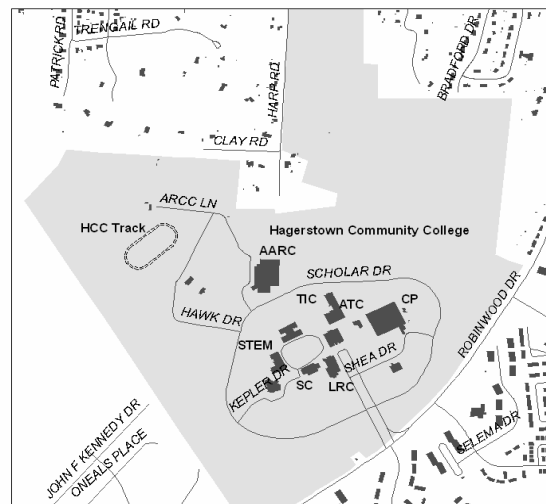
Project Title: Campus Operations Building

Project Number: 94

Account Number:

Projected Annual FTE's: 2

Projected Operating Costs: \$118,980



Description:

This project is new construction to 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:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	365,400	0	0	0	0	0	0	0	365,400
Construction	5,196,700	0	0	0	0	0	0	0	5,196,700
Equipment/Furniture	336,400	0	0	0	0	0	0	0	336,400
Total Cost	5,898,500	0	0	0	0	0	0	0	5,898,500

Funding Sources:

General Fund	2,104,500	0	0	0	0	0	0	0	2,104,500
Capital Reserve - General	75,600	0	0	0	0	0	0	0	75,600
State Grant	3,718,400	0	0	0	0	0	0	0	3,718,400
Total Funding	5,898,500	0	0	0	0	0	0	0	5,898,500

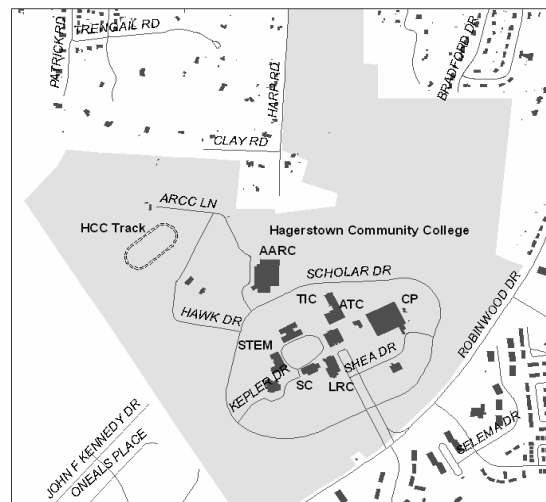
Project Title: Student Center Expansion

Project Number: 95

Account Number: COL019

Projected Annual FTE's: 2

Projected Operating Costs: \$89,148



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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Architect Fees	855,800	855,800	0	0	0	0	0	0	0
Construction	6,522,100	0	0	3,338,500	3,183,600	0	0	0	0
Equipment/Furniture	729,000	0	0	0	729,000	0	0	0	0
Total Cost	8,106,900	855,800	0	3,338,500	3,912,600	0	0	0	0

Funding Sources:

Tax Supported Bond	3,146,000	463,100	0	1,235,200	1,447,700	0	0	0	0
Transfer Tax	19,100	19,100	0	0	0	0	0	0	0
State Grant	4,941,800	373,600	0	2,103,300	2,464,900	0	0	0	0
Total Funding	8,106,900	855,800	0	3,338,500	3,912,600	0	0	0	0

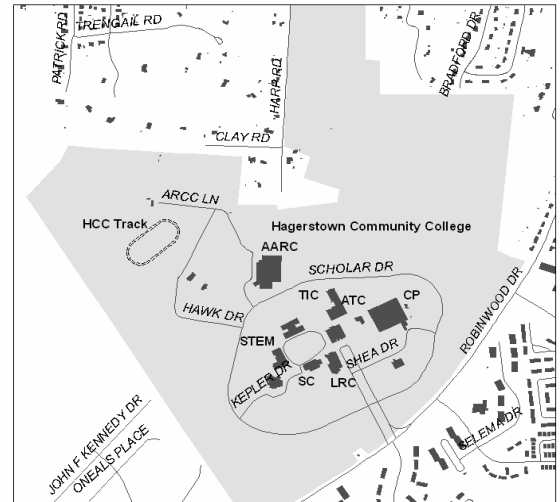
Project Title: Technology Center Renovation

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 - 63.1%
County Funding - 36.9%

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	499,900	0	0	0	0	0	0	0	499,900
Construction	6,748,000	0	0	0	0	0	0	0	6,748,000
Equipment/Furniture	707,000	0	0	0	0	0	0	0	707,000
Total Cost	7,954,900	0	0	0	0	0	0	0	7,954,900

Funding Sources:

General Fund	217,600	0	0	0	0	0	0	0	217,600
Capital Reserve - General	2,722,600	0	0	0	0	0	0	0	2,722,600
State Grant	5,014,700	0	0	0	0	0	0	0	5,014,700
Total Funding	7,954,900	0	0	0	0	0	0	0	7,954,900

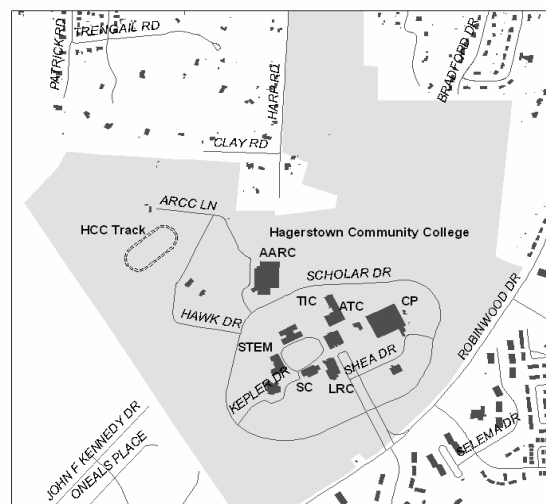
Project Title: Police, Fire and Emergency Services Training Facility

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 63%

County Funding approximately 37%

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	985,400	0	0	0	0	985,400	0	0	0
Construction	12,386,400	0	0	0	0	0	8,402,500	3,983,900	0
Equipment/Furniture	1,458,500	0	0	0	0	0	839,100	619,400	0
Total Cost	14,830,300	0	0	0	0	985,400	9,241,600	4,603,300	0

Funding Sources:

General Fund	837,800	0	0	0	0	0	753,600	84,200	0
Tax Supported Bond	3,146,800	0	0	0	0	376,300	1,270,500	1,500,000	0
Capital Reserve - General	915,900	0	0	0	0	0	915,900	0	0
State Grant	9,379,800	0	0	0	0	609,100	5,751,600	3,019,100	0
Contributions	550,000	0	0	0	0	0	550,000	0	0
Total Funding	14,830,300	0	0	0	0	985,400	9,241,600	4,603,300	0

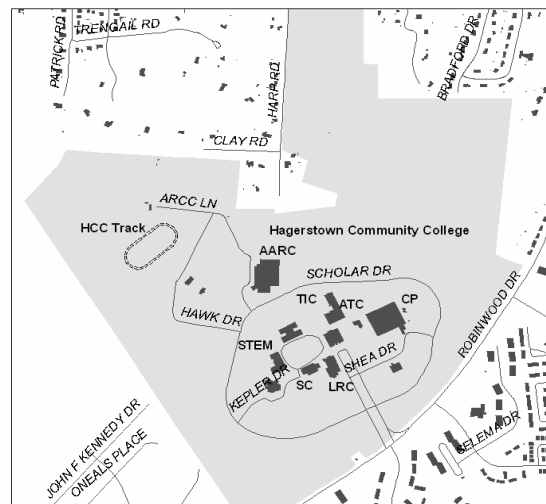
Project Title: ARCC Roof Replacement

Project Number: 1163

Account Number: COL020

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Replace roof on the ARCC building

Assumptions & Justifications:

Project funding estimated:

State Funding approximately - 63%

County Funding approximately - 37%

Over the years the sealed joints and fasteners in the original metal roofing system have been repaired and replaced numerous times in an effort to control water leaks within the building. The frequency of repairs has begun to clash with planned events within the building. Several athletic events have been canceled or relocated during severe storms for safety reasons, as the main arena floor became unsafe for athletic competition. The existing metal roof has very little insulating value and the arena area becomes very warm during the annually scheduled June high school graduation events.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	1,543,400	705,500	837,900	0	0	0	0	0	0
Total Cost	1,543,400	705,500	837,900	0	0	0	0	0	0

Funding Sources:

Tax Supported Bond	388,500	250,300	138,200	0	0	0	0	0	0
State Grant	1,154,900	455,200	699,700	0	0	0	0	0	0
Total Funding	1,543,400	705,500	837,900	0	0	0	0	0	0

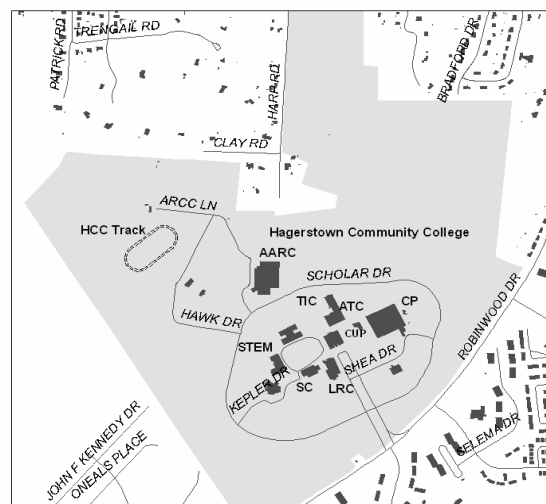
Project Title: Central Utility Plant Upgrade

Project Number: 1217

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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:

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Architect Fees	168,300	0	0	168,300	0	0	0	0	0
Construction	2,458,800	0	0	0	2,458,800	0	0	0	0
Total Cost	2,627,100	0	0	168,300	2,458,800	0	0	0	0

Funding Sources:

General Fund	64,300	0	0	64,300	0	0	0	0	0
Tax Supported Bond	735,000	0	0	0	735,000	0	0	0	0
State Grant	1,827,800	0	0	104,000	1,723,800	0	0	0	0
Total Funding	2,627,100	0	0	168,300	2,458,800	0	0	0	0

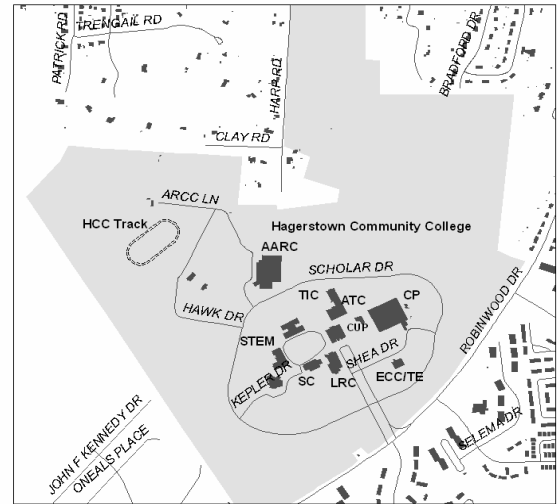
Project Title: Teacher Education Center

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:

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Architect Fees	197,100	0	0	0	0	0	0	0	197,100
Construction	3,069,700	0	0	0	0	0	0	0	3,069,700
Equipment/Furniture	574,300	0	0	0	0	0	0	0	574,300
Total Cost	3,841,100	0	0	0	0	0	0	0	3,841,100

Funding Sources:

General Fund	1,234,400	0	0	0	0	0	0	0	1,234,400
Tax Supported Bond	232,800	0	0	0	0	0	0	0	232,800
State Grant	2,373,900	0	0	0	0	0	0	0	2,373,900
Total Funding	3,841,100	0	0	0	0	0	0	0	3,841,100

Project Title: Hancock Public Library Replacement

Project Number: 1120

Account Number: BLD077

Projected Annual FTE's: 1.5

Projected Operating Costs: \$55,625



Description:

Construct a 4,400 SF public library. Demolition of existing building, enhancements to the site including parking and SWM facility.

Assumptions & Justifications:

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. 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	417,100	0	250,000	6,900	8,300	9,600	12,300	14,900	115,100
Construction	2,812,800	0	0	0	0	0	0	0	2,812,800
Inspection	108,700	0	0	0	0	0	0	0	108,700
Equipment/Furniture	365,700	0	0	0	0	0	0	0	365,700
Utilities	14,300	0	0	0	0	0	0	0	14,300
Total Cost	3,718,600	0	250,000	6,900	8,300	9,600	12,300	14,900	3,416,600

Funding Sources:

General Fund	68,100	0	68,100	0	0	0	0	0	0
Excise Tax - Library	118,500	0	6,900	6,900	8,300	9,600	12,300	14,900	59,600
Capital Reserve - General	1,271,700	0	0	0	0	0	0	0	1,271,700
State Grant	1,565,200	0	175,000	0	0	0	0	0	1,390,200
Contributions	695,100	0	0	0	0	0	0	0	695,100
Total Funding	3,718,600	0	250,000	6,900	8,300	9,600	12,300	14,900	3,416,600

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General Government



Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
General Government										
130	Contingency - General Fund	1,503,655	279,355	78,700	225,800	0	216,500	0	225,200	478,100
131	Bond Issuance Costs	1,288,000	253,000	99,000	100,000	100,900	102,000	103,000	103,900	426,200
132	Financial System Management & Upgrades	771,200	326,500	234,600	104,000	106,100	0	0	0	0
133	General - Equipment and Vehicle Replacement Program	2,433,600	200,000	204,000	208,100	212,200	216,500	220,800	225,200	946,800
134	Systemic Improvements Buildings	2,233,600	0	204,000	208,100	212,200	216,500	220,800	225,200	946,800
135	Information Systems Replacement Program	2,010,000	161,500	150,000	154,000	159,200	162,400	165,600	180,200	877,100
136	Broadband Wireless Network Infrastructure System	384,100	202,000	35,000	35,700	36,400	37,100	37,900	0	0
137	Accela Software Upgrade	700,000	0	350,000	350,000	0	0	0	0	0
138	County Admin Bldg Renovations - 1st and 2nd Floors	3,260,100	185,000	2,045,100	1,030,000	0	0	0	0	0
139	Redevelopment/Renovate Massey Shell Bldg - Balt. St.	1,029,300	0	0	0	0	0	435,000	594,300	0
General Government Total		15,613,555	1,607,355	3,400,400	2,415,700	827,000	951,000	1,183,100	1,554,000	3,675,000
Funding Sources										
General Fund		3,067,155	973,655	232,700	35,700	37,800	710,800	472,900	125,500	478,100
Tax Supported Bond		1,868,300	438,000	0	0	100,900	102,000	103,000	698,200	426,200
Capital Reserve - General		10,678,100	195,700	3,167,700	2,380,000	688,300	138,200	607,200	730,300	2,770,700
		15,613,555	1,607,355	3,400,400	2,415,700	827,000	951,000	1,183,100	1,554,000	3,675,000

Project Title: Contingency - General Fund

Project Number: 1

Account Number: ADM002

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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 Capital Project Contingency due to the increasing Capital Program and the increasing size of individual projects, as one project overrun or one 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Contingency	1,503,655	279,355	78,700	225,800	0	216,500	0	225,200	478,100
Total Cost	1,503,655	279,355	78,700	225,800	0	216,500	0	225,200	478,100

Funding Sources:

General Fund	1,178,155	279,355	78,700	0	0	216,500	0	125,500	478,100
Capital Reserve - General	325,500	0	0	225,800	0	0	0	99,700	0
Total Funding	1,503,655	279,355	78,700	225,800	0	216,500	0	225,200	478,100

Project Title: Bond Issuance Costs

Project Number: 2

Account Number: ADM001

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

Costs associated with 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 capital improvement plan.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Bond Issuance Expense	1,288,000	253,000	99,000	100,000	100,900	102,000	103,000	103,900	426,200
Total Cost	1,288,000	253,000	99,000	100,000	100,900	102,000	103,000	103,900	426,200

Funding Sources:

General Fund	99,000	0	99,000	0	0	0	0	0	0
Tax Supported Bond	1,089,000	253,000	0	0	100,900	102,000	103,000	103,900	426,200
Capital Reserve - General	100,000	0	0	100,000	0	0	0	0	0
Total Funding	1,288,000	253,000	99,000	100,000	100,900	102,000	103,000	103,900	426,200

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:

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. Current utility billing system has no support function available.

Complete 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.

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Hardware/Software	771,200	326,500	234,600	104,000	106,100	0	0	0	0
Total Cost	771,200	326,500	234,600	104,000	106,100	0	0	0	0

Funding Sources:

General Fund	327,900	326,500	0	0	1,400	0	0	0	0
Capital Reserve - General	443,300	0	234,600	104,000	104,700	0	0	0	0
Total Funding	771,200	326,500	234,600	104,000	106,100	0	0	0	0

Project Title: General - Equipment and Vehicle Replacement Program

Project Number: 1174

Account Number: VEH008

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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:

\$20,000 1 vehicle - Fitness and Recreation
 \$16,000 1 multipurpose Rescue Tool & Power Unit - Special Ops Co. 20
 \$91,000 3 Pickup Trucks with plows - Parks
 \$17,000 1 Lifepak 15 - Fire and Rescue Operations

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	12,500	12,500	0	0	0	0	0	0	0
Vehicles	2,421,100	187,500	204,000	208,100	212,200	216,500	220,800	225,200	946,800
Total Cost	2,433,600	200,000	204,000	208,100	212,200	216,500	220,800	225,200	946,800

Funding Sources:

General Fund	464,200	4,300	0	0	0	78,300	0	151,900	229,700
Capital Reserve - General	1,969,400	195,700	204,000	208,100	212,200	138,200	220,800	73,300	717,100
Total Funding	2,433,600	200,000	204,000	208,100	212,200	216,500	220,800	225,200	946,800

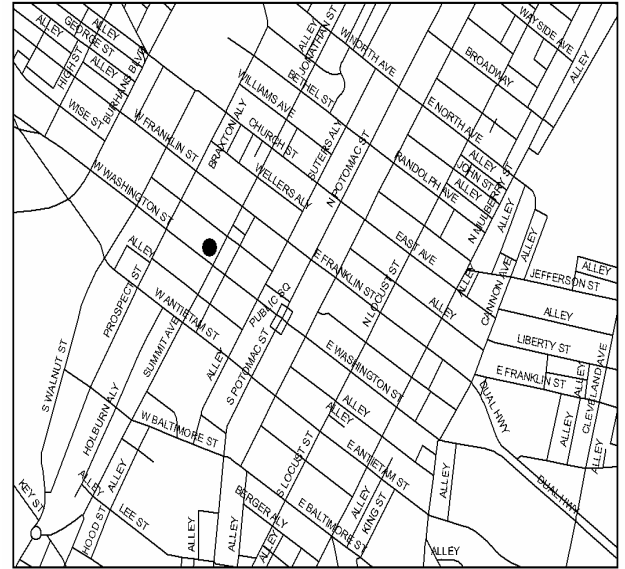
Project Title: Systemic Improvements Buildings

Project Number: 1148

Account Number: BLD078

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

A variety of projects including but not limited to air conditioning, weatherproofing, roofing and other building improvements.

Assumptions & Justifications:

Pending General fund monies availability

Renovations required to maintain the functionality of the buildings.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	2,233,600	0	204,000	208,100	212,200	216,500	220,800	225,200	946,800
Total Cost	2,233,600	0	204,000	208,100	212,200	216,500	220,800	225,200	946,800

Funding Sources:

General Fund	671,400	0	0	0	0	216,500	0	225,200	229,700
Capital Reserve - General	1,562,200	0	204,000	208,100	212,200	0	220,800	0	717,100
Total Funding	2,233,600	0	204,000	208,100	212,200	216,500	220,800	225,200	946,800

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Hardware/Software	2,010,000	161,500	150,000	154,000	159,200	162,400	165,600	180,200	877,100
Total Cost	2,010,000	161,500	150,000	154,000	159,200	162,400	165,600	180,200	877,100

Funding Sources:

General Fund	519,200	161,500	0	0	0	162,400	0	0	195,300
Capital Reserve - General	1,490,800	0	150,000	154,000	159,200	0	165,600	180,200	681,800
Total Funding	2,010,000	161,500	150,000	154,000	159,200	162,400	165,600	180,200	877,100

Project Title: Broadband Wireless Network Infrastructure System

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	202,000	202,000	0	0	0	0	0	0	0
Hardware/Software	182,100	0	35,000	35,700	36,400	37,100	37,900	0	0
Total Cost	384,100	202,000	35,000	35,700	36,400	37,100	37,900	0	0

Funding Sources:

General Fund	384,100	202,000	35,000	35,700	36,400	37,100	37,900	0	0
Total Funding	384,100	202,000	35,000	35,700	36,400	37,100	37,900	0	0

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 10 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 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Hardware/Software	700,000	0	350,000	350,000	0	0	0	0	0
Total Cost	700,000	0	350,000	350,000	0	0	0	0	0

Funding Sources:

Capital Reserve - General	700,000	0	350,000	350,000	0	0	0	0	0
Total Funding	700,000	0	350,000	350,000	0	0	0	0	0

Project Title: County Admin Bldg Renovations - 1st and 2nd Floors

Project Number: 1164

Account Number: BLD070

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Renovations to the County Administration Building first and second floors. First floor consists of 9,120 SF and the second floor consists of 6,600 SF.

Assumptions & Justifications:

Leased space occupied by the bank is vacated by the end of FY 2012.

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 and air quality and comfort would also result through the replacement of aging systems.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	185,000	185,000	0	0	0	0	0	0	0
Construction	2,602,700	0	1,734,000	868,700	0	0	0	0	0
Inspection	61,600	0	40,800	20,800	0	0	0	0	0
Equipment/Furniture	410,800	0	270,300	140,500	0	0	0	0	0
Total Cost	3,260,100	185,000	2,045,100	1,030,000	0	0	0	0	0

Funding Sources:

General Fund	20,000	0	20,000	0	0	0	0	0	0
Tax Supported Bond	185,000	185,000	0	0	0	0	0	0	0
Capital Reserve - General	3,055,100	0	2,025,100	1,030,000	0	0	0	0	0
Total Funding	3,260,100	185,000	2,045,100	1,030,000	0	0	0	0	0

Project Title: **Redevelopment/Renovate Massey Shell Bldg - Balt. St.**

Project Number: **1165**

Account Number:

Projected Annual FTE's: **0**

Projected Operating Costs: **\$32,500**



Description:

Selective demolition and shell building renovation of existing former Massey Ford dealership building located on Baltimore Street at the central library parking area. Prepare 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 solicits the County to acquire. The building has historical significance to the neighborhood and cannot be completely demolished.

Property is owned by the County, acquired as part of the library renovation project in 2010. Building is in need of renovation as it is structurally, functionally inadequate for use and presents a safety hazard. The City of Hagerstown existing structures code will require the County to address the building condition.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	995,500	0	0	0	0	0	435,000	560,500	0
Inspection	33,800	0	0	0	0	0	0	33,800	0
Total Cost	1,029,300	0	0	0	0	0	435,000	594,300	0

Funding Sources:

General Fund	435,000	0	0	0	0	0	435,000	0	0
Tax Supported Bond	594,300	0	0	0	0	0	0	594,300	0
Total Funding	1,029,300	0	0	0	0	0	435,000	594,300	0

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Parks & Recreation



Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Parks & Recreation										
142	Black Rock Capital Program	773,400	0	214,000	104,000	53,100	54,100	55,200	56,300	236,700
143	Kemps Mill Park	952,900	0	0	0	0	108,200	276,000	281,500	287,200
144	North Central County Park (north side of Eastern Blvd Extended)	3,825,700	0	0	0	84,900	0	0	1,182,500	2,558,300
145	Tree Forestation	132,700	20,000	0	20,800	0	21,600	0	22,500	47,800
146	Chestnut Grove Park, Overlay Parking lot	38,800	0	0	38,800	0	0	0	0	0
147	Playground Equipment Replacement, Various Sites	25,000	0	25,000	0	0	0	0	0	0
148	Tennis Courts, Resurfacing	40,000	20,000	20,000	0	0	0	0	0	0
149	Ag Center Audio System Expansion	22,000	0	22,000	0	0	0	0	0	0
150	MLS Wading Pool Reconstruction	102,000	0	102,000	0	0	0	0	0	0
Parks & Recreation Total		5,912,500	40,000	383,000	163,600	138,000	183,900	331,200	1,542,800	3,130,000
Funding Sources										
General Fund		881,450	24,750	115,200	113,800	120,300	66,100	56,800	75,400	309,100
Tax Supported Bond		2,388,600	0	0	0	0	0	0	1,182,500	1,206,100
Excise Tax - Other		251,400	0	14,900	14,900	17,700	20,400	26,000	31,500	126,000
Capital Reserve - General		1,230,300	0	0	0	0	0	0	0	1,230,300
State Grant		1,160,750	15,250	252,900	34,900	0	97,400	248,400	253,400	258,500
		5,912,500	40,000	383,000	163,600	138,000	183,900	331,200	1,542,800	3,130,000

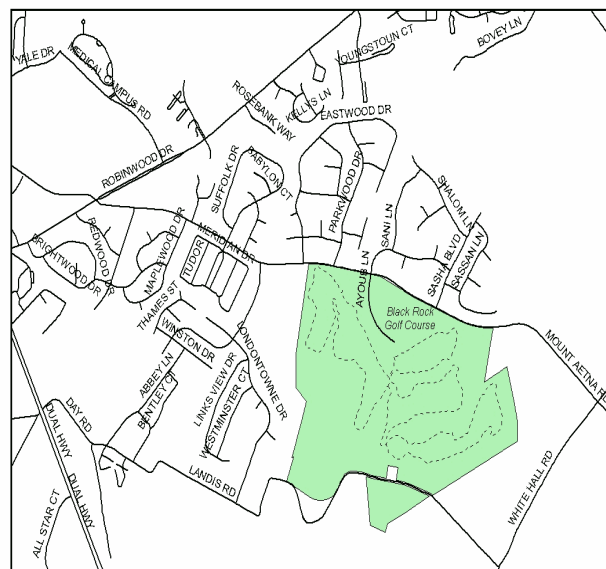
Project Title: Black Rock Capital Equipment Replacement Program

Project Number: 935

Account Number: EQP053

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

To replace heavy equipment that is beyond its useful life. The program allows for the purchase of replacement equipment used for services directly related to Black Rock Golf Course.

Assumptions & Justifications:

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.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	773,400	0	214,000	104,000	53,100	54,100	55,200	56,300	236,700
Total Cost	773,400	0	214,000	104,000	53,100	54,100	55,200	56,300	236,700

Funding Sources:

General Fund	421,200	0	98,300	89,100	35,400	33,700	29,200	24,800	110,700
Excise Tax - Other	251,400	0	14,900	14,900	17,700	20,400	26,000	31,500	126,000
State Grant	100,800	0	100,800	0	0	0	0	0	0
Total Funding	773,400	0	214,000	104,000	53,100	54,100	55,200	56,300	236,700

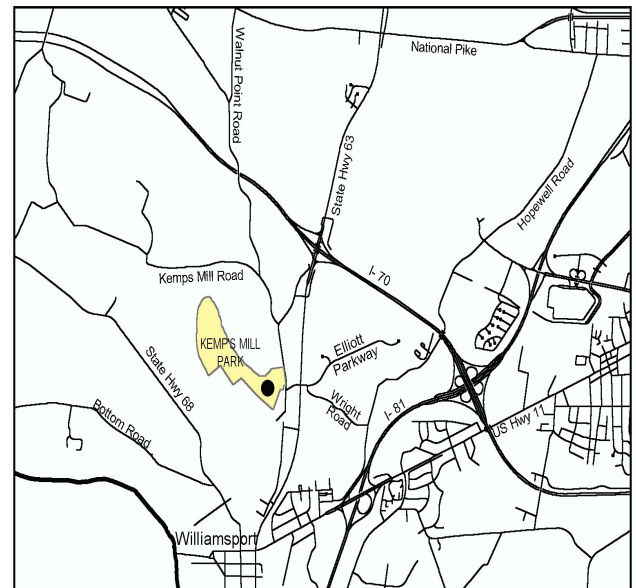
Project Title: Kemps Mill Park

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

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

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	108,200	0	0	0	0	108,200	0	0	0
Construction	844,700	0	0	0	0	0	276,000	281,500	287,200
Total Cost	952,900	0	0	0	0	108,200	276,000	281,500	287,200

Funding Sources:

General Fund	95,200	0	0	0	0	10,800	27,600	28,100	28,700
State Grant	857,700	0	0	0	0	97,400	248,400	253,400	258,500
Total Funding	952,900	0	0	0	0	108,200	276,000	281,500	287,200

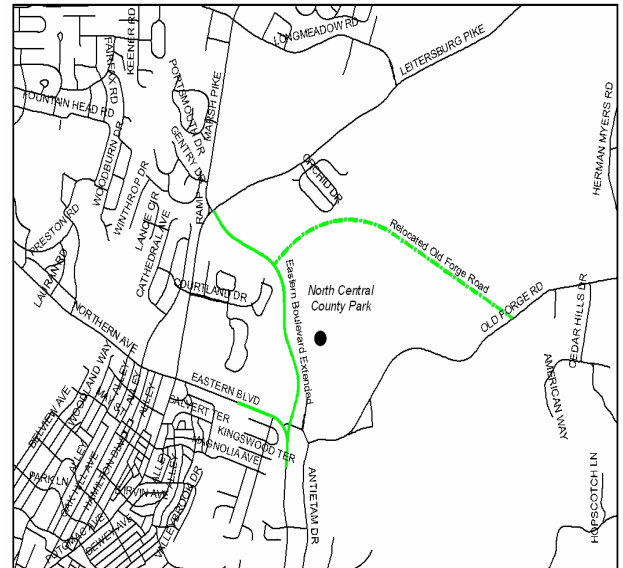
Project Title: North Central County Park (Eastern Blvd Extended)

Project Number: 1123

Account Number:

Projected Annual FTE's: 2

Projected Operating Costs: \$80,750



Description:

Multi-phased development of a regional park along the north side of Eastern Boulevard Extended. Phase 1 work will include construction of an entrance road, parking lot, grading for soccer/ball fields, and an 8' wide paved pedestrian/bike path with street/park lighting. Future phases include pavilion buildings, restrooms, playground equipment and other park and recreation amenities.

Assumptions & Justifications:

Eastern Blvd Extended (Project 21) is completed by FY 2018.

Provides additional recreational opportunities in the north end of the County. The land for this park was donated to the County.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	206,800	0	0	0	84,900	0	0	0	121,900
Construction	3,446,600	0	0	0	0	0	0	1,126,200	2,320,400
Inspection	172,300	0	0	0	0	0	0	56,300	116,000
Total Cost	3,825,700	0	0	0	84,900	0	0	1,182,500	2,558,300

Funding Sources:

General Fund	206,800	0	0	0	84,900	0	0	0	121,900
Tax Supported Bond	2,388,600	0	0	0	0	0	0	1,182,500	1,206,100
Capital Reserve - General	1,230,300	0	0	0	0	0	0	0	1,230,300
Total Funding	3,825,700	0	0	0	84,900	0	0	1,182,500	2,558,300

Project Title: Tree Forestation

Project Number: 1126

Account Number: LDI043

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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

Assumptions & Justifications:

Project will be coordinated with the Soil Conservation District. Land to be provided at no cost.

To meet the regulatory requirements imposed by the EPA and MDE relating to the TMDL and NPDES permit.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	132,700	20,000	0	20,800	0	21,600	0	22,500	47,800
Total Cost	132,700	20,000	0	20,800	0	21,600	0	22,500	47,800

Funding Sources:

General Fund	132,700	20,000	0	20,800	0	21,600	0	22,500	47,800
Total Funding	132,700	20,000	0	20,800	0	21,600	0	22,500	47,800

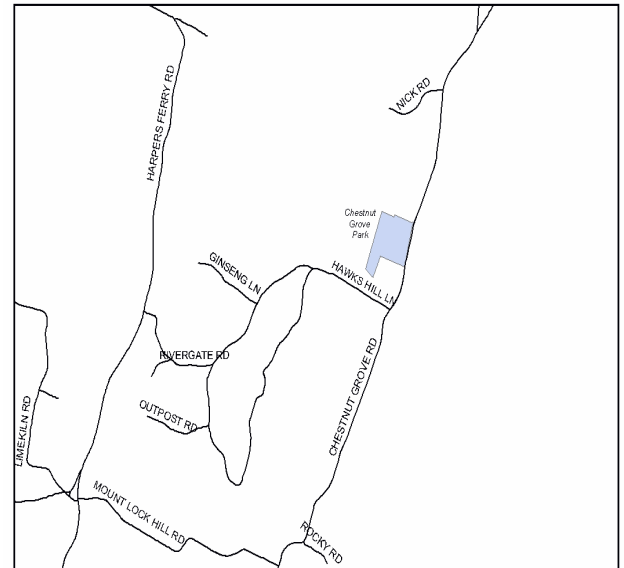
Project Title: Chestnut Grove Park, Overlay Parking lot

Project Number: 1150

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	38,800	0	0	38,800	0	0	0	0	0
Total Cost	38,800	0	0	38,800	0	0	0	0	0

Funding Sources:

General Fund	3,900	0	0	3,900	0	0	0	0	0
State Grant	34,900	0	0	34,900	0	0	0	0	0
Total Funding	38,800	0	0	38,800	0	0	0	0	0

Project Title: Playground Equipment Replacement, Various Sites

Project Number: 1156

Account Number: REC024

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

Replace aging and damaged playground equipment in various parks as needed.

Assumptions & Justifications:

Pending POS approval

Due to the age, damage by storms and vandalism in several parks, playground equipment needs to be replaced. One piece of damaged equipment could cost upwards of \$5,000 and severely strain the operating budget.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	25,000	0	25,000	0	0	0	0	0	0
Total Cost	25,000	0	25,000	0	0	0	0	0	0

Funding Sources:

General Fund	2,500	0	2,500	0	0	0	0	0	0
State Grant	22,500	0	22,500	0	0	0	0	0	0
Total Funding	25,000	0	25,000	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:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	40,000	20,000	20,000	0	0	0	0	0	0
Total Cost	40,000	20,000	20,000	0	0	0	0	0	0

Funding Sources:

General Fund	6,750	4,750	2,000	0	0	0	0	0	0
State Grant	33,250	15,250	18,000	0	0	0	0	0	0
Total Funding	40,000	20,000	20,000	0	0	0	0	0	0

Project Title: Ag Center Audio System Expansion

Project Number: 1205

Account Number: REC036

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Expand the Audio System at the facility to include the Mason Dixon Kennel Club, Horse Show Arena and the Tractor Pull Track.

Assumptions & Justifications:

Pending POS Approval

The facility recently installed a PA system at the Barns and Multipurpose building to provide communications and potential warnings to and for the users of the facility. The expansion is needed to cover the entire rental area for use by the customer, but also as a safety net to aid the users in case of an emergency or lost child. This is an amenity that will help in renting the facility.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	22,000	0	22,000	0	0	0	0	0	0
Total Cost	22,000	0	22,000	0	0	0	0	0	0

Funding Sources:

General Fund	2,200	0	2,200	0	0	0	0	0	0
State Grant	19,800	0	19,800	0	0	0	0	0	0
Total Funding	22,000	0	22,000	0	0	0	0	0	0

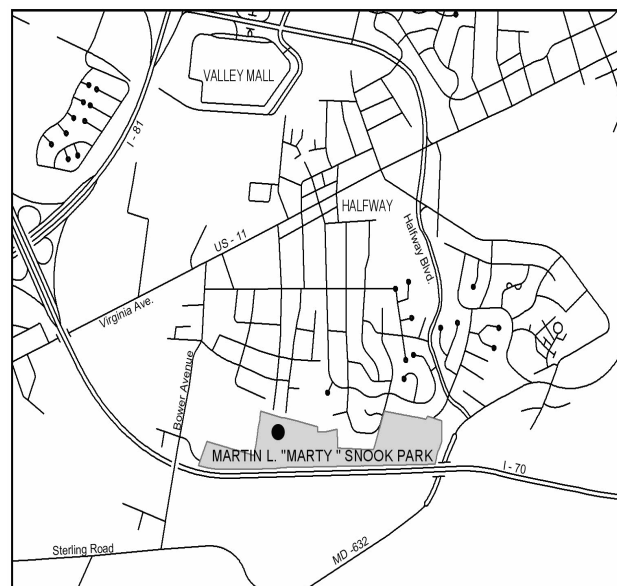
Project Title: MLS Wading Pool Reconstruction

Project Number: 1233

Account Number: REC035

Projected Annual FTE's: 0

Projected Operating Costs: \$600



Description:

Remove Existing 18' X 18' wading pool and replace with 25' X 25' wading pool. Pave new ADA parking lot, add shade canopies and extend concrete deck to provide more sitting space.

Assumptions & Justifications:

Pending POS funding

Existing wading pool is 18' X 18' and in need of repairs and modifications to meet ADA guidelines. We are proposing to enlarge the pool, add a waterfront ramp and a water feature to make the pool ADA compliant and user friendly. Currently, there is no adequate ADA parking with easy access to the pool. The concrete deck along with the shade canopies are to provide an area that the customers can find relief from the sun and still enjoy the pool.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	10,000	0	10,000	0	0	0	0	0	0
Construction	92,000	0	92,000	0	0	0	0	0	0
Total Cost	102,000	0	102,000	0	0	0	0	0	0

Funding Sources:

General Fund	10,200	0	10,200	0	0	0	0	0	0
State Grant	91,800	0	91,800	0	0	0	0	0	0
Total Funding	102,000	0	102,000	0	0	0	0	0	0

Public Safety



Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Public Safety										
152	Communication Tower(s) various locations	557,000	0	0	0	212,200	0	110,400	0	234,400
153	Detention Center Renovations	7,609,800	0	0	0	0	0	0	33,800	7,576,000
154	Emergency Services Capital Equipment & Vehicle Program	1,296,900	0	200,000	204,000	104,000	106,100	108,200	110,400	464,200
155	Law Enforcement - Fleet Replacement Program	4,129,400	586,600	350,000	353,400	356,900	360,400	364,000	337,800	1,420,300
Public Safety Total		13,593,100	586,600	550,000	557,400	673,100	466,500	582,600	482,000	9,694,900
Funding Sources										
General Fund		3,084,100	400,000	0	204,000	104,000	106,100	0	33,800	2,236,200
Tax Supported Bond		3,465,100	0	0	0	0	0	0	0	3,465,100
Capital Reserve - General		7,043,900	186,600	550,000	353,400	569,100	360,400	582,600	448,200	3,993,600
		13,593,100	586,600	550,000	557,400	673,100	466,500	582,600	482,000	9,694,900

Project Title: Communication Tower(s) various locations

Project Number: 1166

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	557,000	0	0	0	212,200	0	110,400	0	234,400
Total Cost	557,000	0	0	0	212,200	0	110,400	0	234,400

Funding Sources:

General Fund	101,700	0	0	0	0	0	0	0	101,700
Capital Reserve - General	455,300	0	0	0	212,200	0	110,400	0	132,700
Total Funding	557,000	0	0	0	212,200	0	110,400	0	234,400

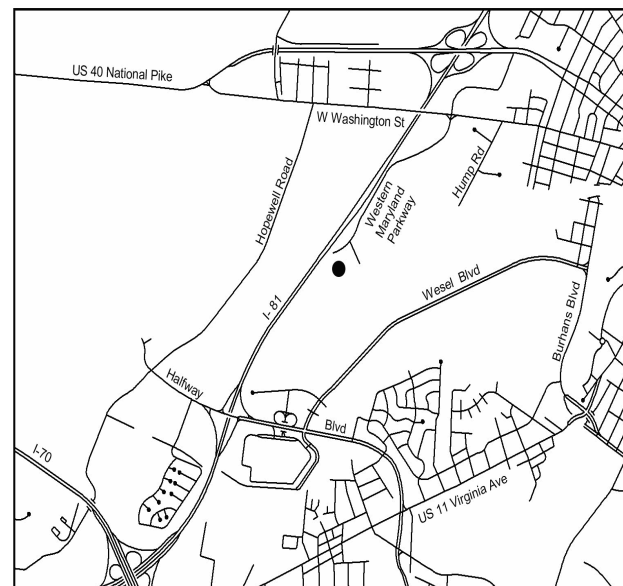
Project Title: Detention Center Renovations

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 that will be 29 years old at the start of this project. 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 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 extent of project costs, funds are being accumulated for construction contract award.

The existing Detention Center will be 29 years old at the start time of this project. There have been 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. that will 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 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	665,600	0	0	0	0	0	0	33,800	631,800
Construction	5,378,600	0	0	0	0	0	0	0	5,378,600
Inspection	358,600	0	0	0	0	0	0	0	358,600
Equipment/Furniture	1,207,000	0	0	0	0	0	0	0	1,207,000
Total Cost	7,609,800	0	0	0	0	0	0	33,800	7,576,000

Funding Sources:

General Fund	40,100	0	0	0	0	0	0	33,800	6,300
Tax Supported Bond	3,465,100	0	0	0	0	0	0	0	3,465,100
Capital Reserve - General	4,104,600	0	0	0	0	0	0	0	4,104,600
Total Funding	7,609,800	0	0	0	0	0	0	33,800	7,576,000

Project Title: Emergency Svcs Capital Equipment & Vehicle Program

Project Number: 1214

Account Number: VEH009

Projected Annual FTE's: 0

Projected Operating Costs: \$3,500

Description:

Capital Equipment program for County Emergency Services departments. Programs systematic replacement and acquisition of emergency equipment and or vehicles. Funding is dependent on availability, age and need of requested equipment, etc.

Assumptions & Justifications:

FY2014 & FY2015

\$450,000 - Air Unit - The current compressor system used services SCBA bottles in the 5,000 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.

\$500,000 - HAZMAT Unit replacement

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Vehicles	1,296,900	0	200,000	204,000	104,000	106,100	108,200	110,400	464,200
Total Cost	1,296,900	0	200,000	204,000	104,000	106,100	108,200	110,400	464,200

Funding Sources:

General Fund	414,100	0	0	204,000	104,000	106,100	0	0	0
Capital Reserve - General	882,800	0	200,000	0	0	0	108,200	110,400	464,200
Total Funding	1,296,900	0	200,000	204,000	104,000	106,100	108,200	110,400	464,200

Project Title: Law Enforcement - Fleet Replacement Program

Project Number: 1118

Account Number: VEH006

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

Replacement of public safety fleet inventory

Assumptions & Justifications:

8-9 fully upfitted police cruiser, complete with lighting/electronic/security barrier, etc. (with mobile data hardware).

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Vehicles	4,129,400	586,600	350,000	353,400	356,900	360,400	364,000	337,800	1,420,300
Total Cost	4,129,400	586,600	350,000	353,400	356,900	360,400	364,000	337,800	1,420,300

Funding Sources:

General Fund	1,116,600	400,000	0	0	73,600	208,300	0	90,100	344,600
Capital Reserve - General	3,012,800	186,600	350,000	353,400	283,300	152,100	364,000	247,700	1,075,700
Total Funding	4,129,400	586,600	350,000	353,400	356,900	360,400	364,000	337,800	1,420,300

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Railroad Crossings



Railroad
Crossings

Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Railroad Crossings										
158	Railroad Crossing Improvements	1,644,400	134,000	0	278,600	0	289,900	0	301,600	640,300
	Railroad Crossings Total	1,644,400	134,000	0	278,600	0	289,900	0	301,600	640,300
Funding Sources										
	General Fund	1,052,000	134,000	0	0	0	289,900	0	301,600	326,500
	Capital Reserve - General	592,400	0	0	278,600	0	0	0	0	313,800
		1,644,400	134,000	0	278,600	0	289,900	0	301,600	640,300

Project Title: Railroad Crossing Improvements

Project Number: 1140

Account Number: RRX003

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	112,000	112,000	0	0	0	0	0	0	0
Construction	1,305,600	0	0	278,600	0	289,900	0	301,600	435,500
Inspection	204,800	0	0	0	0	0	0	0	204,800
Utilities	22,000	22,000	0	0	0	0	0	0	0
Total Cost	1,644,400	134,000	0	278,600	0	289,900	0	301,600	640,300

Funding Sources:

General Fund	1,052,000	134,000	0	0	0	289,900	0	301,600	326,500
Capital Reserve - General	592,400	0	0	278,600	0	0	0	0	313,800
Total Funding	1,644,400	134,000	0	278,600	0	289,900	0	301,600	640,300

Road Improvements



Road
Improvements

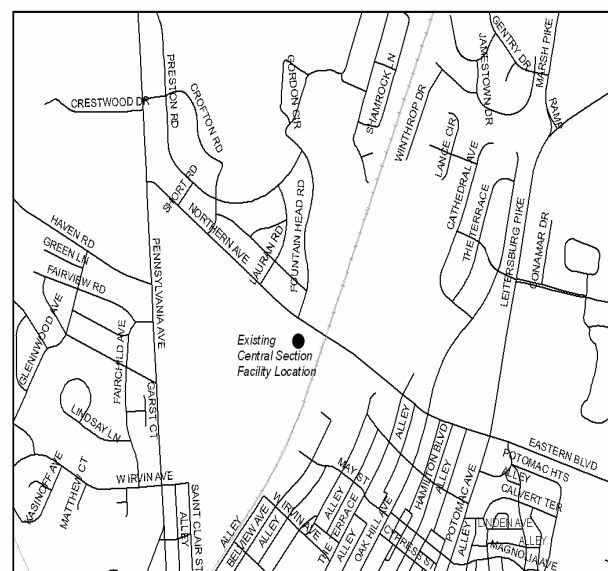
Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Road Improvement										
161	Highway Central Section - New Facility	7,084,600	0	0	0	0	0	276,000	281,500	6,527,100
162	Highway Equipment and Vehicle Replacement Program	7,273,300	984,400	500,000	504,900	509,900	595,300	662,400	675,700	2,840,700
163	Highway Maintenance Shop - Western Section	395,400	0	0	0	0	38,200	357,200	0	0
164	Fuel Center - Central Highway Maintenance Facility	899,000	725,000	174,000	0	0	0	0	0	0
165	Highway Eastern Section - Fuel Tank Replacement	575,000	0	575,000	0	0	0	0	0	0
166	Pavement Maintenance and Rehabilitation Program	59,581,760	11,717,660	5,493,500	4,343,700	4,430,500	4,519,100	4,609,500	4,701,700	19,766,100
167	Robinwood Corridor II	11,056,300	10,138,300	918,000	0	0	0	0	0	0
168	Robinwood North	708,673	403,973	0	0	0	0	0	0	304,700
169	Longmeadow Road	7,607,400	60,000	0	0	0	517,600	128,100	0	6,901,700
170	Eastern Boulevard Extended	9,373,450	285,250	0	0	689,800	1,082,400	6,150,200	1,165,800	0
171	Maugans Avenue II	150,000	0	0	0	0	0	0	0	150,000
172	Shawley Drive	3,537,300	3,187,300	350,000	0	0	0	0	0	0
173	Southern Boulevard I	8,975,800	6,023,100	0	936,400	2,016,300	0	0	0	0
174	E. Oak Ridge Drive/South Pointe Signal	359,600	0	0	0	0	0	0	0	359,600
175	Eastern Boulevard Widening Phase II	8,193,500	500,000	141,300	480,100	1,382,800	5,689,300	0	0	0
176	Underpass Way and Railway Lane Roundabout	1,113,200	373,700	739,500	0	0	0	0	0	0
177	Transportation ADA	1,553,500	759,200	0	78,000	89,500	89,400	89,300	89,200	358,900
178	Halfway Boulevard Extended II	637,100	0	0	468,200	0	0	0	168,900	0
179	Eastern Blvd. at Antietam Drive Intersection Improvement	3,360,200	502,000	0	1,414,900	1,443,300	0	0	0	0
180	Yale Drive Extended - Phase II	3,485,940	2,451,640	306,000	728,300	0	0	0	0	0
181	Professional Court Extended - Phase II	7,392,700	125,000	1,309,500	0	0	0	0	0	5,958,200
182	Professional Court Ext - Ph I/Bridge over Antietam Creek	9,109,800	125,000	0	260,100	265,300	0	220,800	0	8,238,600
183	Marsh Pike from MD60 to Longmeadow	6,549,500	0	0	0	0	0	0	3,519,300	3,030,200
184	Yale Drive Extended - Phase I	6,251,660	4,165,360	1,358,000	728,300	0	0	0	0	0
185	MD Route 144 and Western MD Parkway Roundabout	1,047,700	0	0	20,800	477,500	549,400	0	0	0
186	Meadow View Drive and Oak Hill Avenue Roundabout	67,300	0	0	0	0	0	0	0	67,300
187	Valley Mall Road Improvements	430,000	0	86,700	343,300	0	0	0	0	0
188	Valley Mall Area Road Improvements Phase II	1,066,500	0	0	0	185,700	0	441,600	439,200	0
189	Battery Backup Operation for Signalized Intersections	278,500	0	60,000	0	218,500	0	0	0	0
190	Colonial Park East Subdivision Traffic Calming	354,700	0	168,000	30,600	156,100	0	0	0	0
191	Medical Campus Road Signal	440,400	0	0	0	0	440,400	0	0	0
Road Improvement Total		168,909,783	42,526,883	12,179,500	10,337,600	11,865,200	13,521,100	12,935,100	11,041,300	54,503,100

Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Funding Sources										
	General Fund	10,424,340	8,756,540	42,100	363,500	386,100	127,600	75,900	0	672,600
	Highway Fund	6,762,900	300,000	674,000	504,900	509,900	595,300	662,400	675,700	2,840,700
	Hotel Rental Fund	3,446,600	373,700	400,000	343,300	185,700	440,400	441,600	439,200	822,700
	Tax Supported Bond	97,810,651	19,942,851	5,687,900	7,821,200	8,998,800	10,429,100	9,587,700	7,732,400	27,610,700
	Transfer Tax	14,051,073	451,073	1,000,000	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	6,600,000
	Excise Tax - Roads	1,886,820	730,620	68,700	68,700	81,400	94,000	119,400	144,800	579,200
	Excise Tax - Non-Residential	4,550,000	250,000	210,000	210,000	260,000	360,000	460,000	560,000	2,240,000
	APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
	Capital Reserve - Highway	575,000	0	575,000	0	0	0	0	0	0
	Capital Reserve - General	10,196,020	8,365,120	1,293,500	0	0	0	89,300	89,200	358,900
	Federal Grant	15,957,780	2,250,680	2,120,300	26,000	26,500	0	176,700	0	11,357,600
	State Grant	753,200	753,200	0	0	0	0	0	0	0
	Contributions	2,411,300	269,000	108,000	0	316,800	274,700	22,100	0	1,420,700
		168,909,783	42,526,883	12,179,500	10,337,600	11,865,200	13,521,100	12,935,100	11,041,300	54,503,100

Projected Operating Costs: \$20,000



Tax Supported Bond	7,084,600	0	0	0	0	0	276,000	281,500	6,527,100
Total Funding	7,084,600	0	0	0	0	0	276,000	281,500	6,527,100

Project Title: Highway Equipment and Vehicle Replacement Program

Project Number: 1119

Account Number: EQP042

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

Replace vehicles, heavy and specialized equipment for maintenance and construction activity.

Assumptions & Justifications:

Recommendation for replacement would be based on review of policy, considering 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	7,273,300	984,400	500,000	504,900	509,900	595,300	662,400	675,700	2,840,700
Total Cost	7,273,300	984,400	500,000	504,900	509,900	595,300	662,400	675,700	2,840,700

Funding Sources:

General Fund	273,500	273,500	0	0	0	0	0	0	0
Highway Fund	6,588,900	300,000	500,000	504,900	509,900	595,300	662,400	675,700	2,840,700
Capital Reserve - General	250,000	250,000	0	0	0	0	0	0	0
State Grant	160,900	160,900	0	0	0	0	0	0	0
Total Funding	7,273,300	984,400	500,000	504,900	509,900	595,300	662,400	675,700	2,840,700

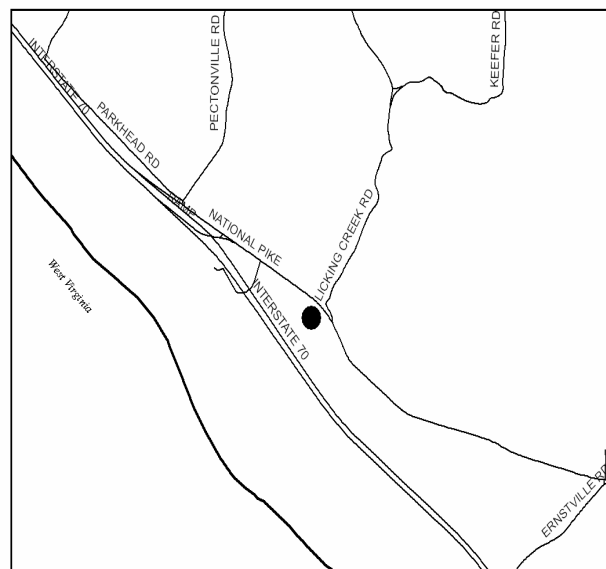
Project Title: Highway Maintenance Shop - Western Section

Project Number: 1122

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$2,500



Description:

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.

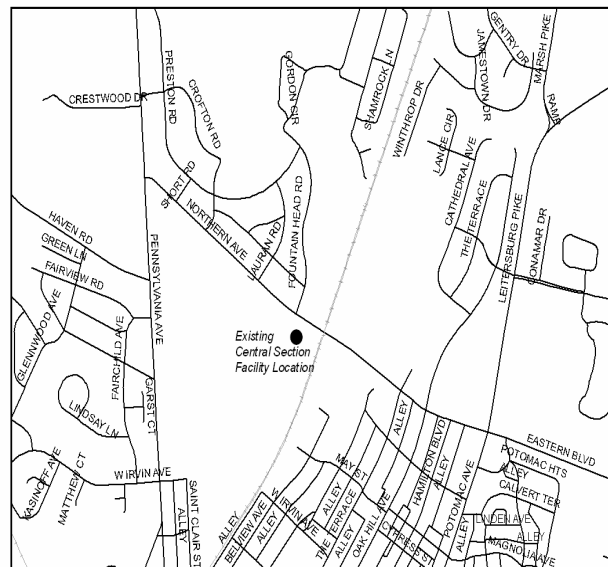
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	38,200	0	0	0	0	38,200	0	0	0
Construction	324,700	0	0	0	0	0	324,700	0	0
Inspection	32,500	0	0	0	0	0	32,500	0	0
Total Cost	395,400	0	0	0	0	38,200	357,200	0	0

Funding Sources:

General Fund	38,200	0	0	0	0	38,200	0	0	0
Tax Supported Bond	357,200	0	0	0	0	0	357,200	0	0
Total Funding	395,400	0	0	0	0	38,200	357,200	0	0

Project Title: Fuel Center - Central Highway Maintenance Facility**Project Number:** 1144**Account Number:** BLD069**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

Replace existing diesel and gasoline fuel center at the central highway maintenance facility. The existing underground storage tanks are old style steel tanks under impressed current cathodic protection. The project includes modernizing existing pumps, adding controlled access and integrated software systems to match existing fuel center systems used elsewhere in County Government.

Assumptions & Justifications:

Tanks are 20+ yrs old and present an increased liability of an environmental release. There are currently more than 45 agencies using this fuel site. Project shall dramatically reduce environmental threat of the underground tanks and leaking pipes. Project should be evaluated with new facility (project 1122).

Although this project has circulated in discussions for more than a decade, a recent tank leak inspection failed in early 2011 that led to the department being issued a verbal warning from the MDE concerning the county's obligation to upgrade the site to current environmental law.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	125,000	125,000	0	0	0	0	0	0	0
Construction	723,500	575,000	148,500	0	0	0	0	0	0
Inspection	50,500	25,000	25,500	0	0	0	0	0	0
Total Cost	899,000	725,000	174,000	0	0	0	0	0	0

Funding Sources:

General Fund	200,000	200,000	0	0	0	0	0	0	0
Highway Fund	174,000	0	174,000	0	0	0	0	0	0
Tax Supported Bond	525,000	525,000	0	0	0	0	0	0	0
Total Funding	899,000	725,000	174,000	0	0	0	0	0	0

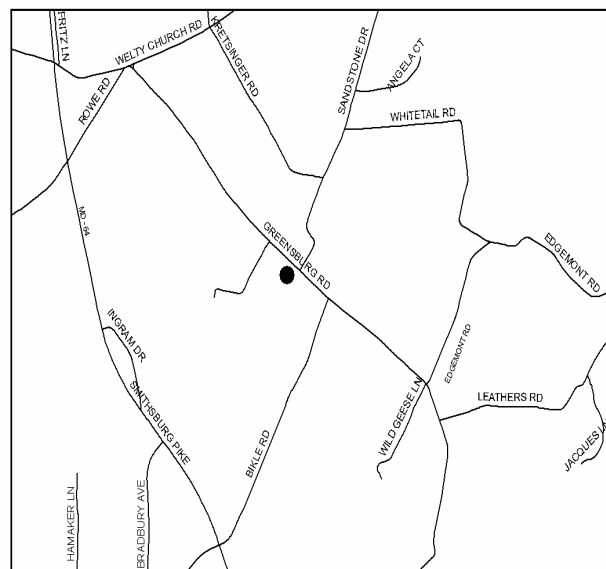
Project Title: Highway Eastern Section - Fuel Tank Replacement

Project Number: 1200

Account Number: EQP051

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Replace underground storage tanks at the Eastern Section Highway Maintenance Facility (13230 Greensburg Road, Smithsburg) that are experiencing corrosion problems. The anti-corrosion anodes that have been in place are not keeping pace with the corrosion and MDE has elevated their level of concern at this site.

Assumptions & Justifications:

Tanks are 20+ years old and present an increased liability for an environmental release. Project to be done in conjunction with the Central Section Fuel Center project.

Through verbal discussions with MDE, the County has been advised that the desirable action is to remove the underground tanks and replace the system with above ground tanks. This action could lead to MDE closing the case, thus eliminating or at least minimizing the County's future liability.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	50,000	0	50,000	0	0	0	0	0	0
Engineering/Design	75,000	0	75,000	0	0	0	0	0	0
Construction	425,000	0	425,000	0	0	0	0	0	0
Inspection	25,000	0	25,000	0	0	0	0	0	0
Total Cost	575,000	0	575,000	0	0	0	0	0	0

Funding Sources:

Capital Reserve - Highway	575,000	0	575,000	0	0	0	0	0	0
Total Funding	575,000	0	575,000	0	0	0	0	0	0

Project Title: Pavement Maintenance and Rehabilitation Program

Project Number: 13

Account Number: RDI024

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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 investment is necessary to keep up with pavement deterioration.

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	57,275,560	11,365,860	5,315,000	4,161,600	4,244,800	4,329,700	4,416,300	4,504,600	18,937,700
Inspection	2,306,200	351,800	178,500	182,100	185,700	189,400	193,200	197,100	828,400
Total Cost	59,581,760	11,717,660	5,493,500	4,343,700	4,430,500	4,519,100	4,609,500	4,701,700	19,766,100

Funding Sources:

General Fund	1,601,940	1,559,840	42,100	0	0	0	0	0	0
Tax Supported Bond	33,549,401	5,849,101	3,107,200	3,065,000	2,989,100	2,865,100	2,730,100	2,596,900	10,346,900
Transfer Tax	13,600,000	0	1,000,000	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	6,600,000
Excise Tax - Roads	1,156,200	0	68,700	68,700	81,400	94,000	119,400	144,800	579,200
Excise Tax - Non-Residential	4,300,000	0	210,000	210,000	260,000	360,000	460,000	560,000	2,240,000
APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
Capital Reserve - General	5,290,120	4,224,620	1,065,500	0	0	0	0	0	0
Total Funding	59,581,760	11,717,660	5,493,500	4,343,700	4,430,500	4,519,100	4,609,500	4,701,700	19,766,100

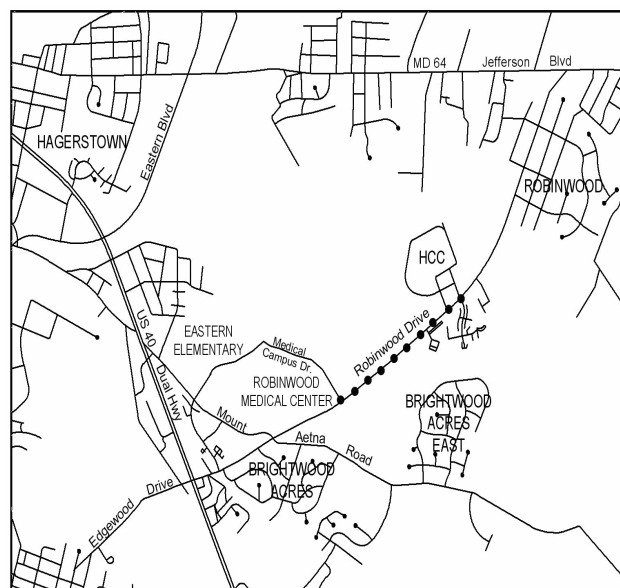
Project Title: Robinwood Corridor II

Project Number: 14

Account Number: RDI022

Projected Annual FTE's: 0

Projected Operating Costs: \$3,600



Description:

Widen Robinwood Drive to four lanes between Medical Campus Drive and Hagerstown Community College (approximately 5,800'). New road section will consist of two 12 foot wide lanes in each direction with a raised grassed median and closed storm drain system. This proposed section will terminate at the intersection of HCC campus. To accommodate the proposed section at this intersection, a new traffic roundabout will be constructed.

Assumptions & Justifications:

Construction of new water and/or sewer network is not included in the cost estimates. Although full County funding is shown, it is possible that developer contributions may be forthcoming due to APFO obligations.

Needed to provide additional road capacity resulting from continued development in this area.

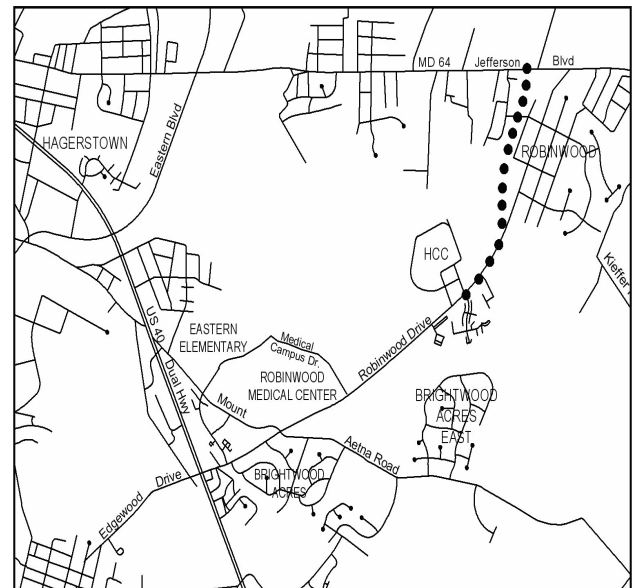
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	20,000	20,000	0	0	0	0	0	0	0
Engineering/Design	483,000	483,000	0	0	0	0	0	0	0
Land Acquisition	1,059,000	1,059,000	0	0	0	0	0	0	0
Construction	8,889,900	7,971,900	918,000	0	0	0	0	0	0
Inspection	199,400	199,400	0	0	0	0	0	0	0
Utilities	405,000	405,000	0	0	0	0	0	0	0
Total Cost	11,056,300	10,138,300	918,000	0	0	0	0	0	0

Funding Sources:

General Fund	3,084,900	3,084,900	0	0	0	0	0	0	0
Tax Supported Bond	3,738,700	2,820,700	918,000	0	0	0	0	0	0
Excise Tax - Roads	586,300	586,300	0	0	0	0	0	0	0
Excise Tax - Non-Residential	250,000	250,000	0	0	0	0	0	0	0
Capital Reserve - General	3,346,400	3,346,400	0	0	0	0	0	0	0
Contributions	50,000	50,000	0	0	0	0	0	0	0
Total Funding	11,056,300	10,138,300	918,000	0	0	0	0	0	0

Project Title: Robinwood North**Project Number:** 15**Account Number:** RDI033**Projected Annual FTE's:** 0**Projected Operating Costs:** \$3,600**Description:**

Realign Robinwood Drive between Hagerstown Community College and MD 64 in order to increase capacity and reduce congestion in the Robinwood community. Project will increase traffic safety. New road section will include 2 - 12 foot lanes in each direction with a raised grassed median and closed storm drain system. Final alignment will be west of the current road generally between Partridge Trail and Greenhill Drive.

Assumptions & Justifications:

Although full County funding is shown, it is possible that developer contributions may be forthcoming due to APFO obligations. No new water and/or sewer network is included in the cost estimate. It is assumed that the intersection at the HCC campus will be upgraded as part of the Robinwood II project. A traffic signal installation will be required at Maryland Route 64.

Needed to provide additional road capacity resulting from continued development in the area.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	20,400	20,400	0	0	0	0	0	0	0
Engineering/Design	182,500	182,500	0	0	0	0	0	0	0
Land Acquisition	505,773	201,073	0	0	0	0	0	0	304,700
Construction	0	0	0	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Total Cost	708,673	403,973	0	0	0	0	0	0	304,700

Funding Sources:

General Fund	366,100	61,400	0	0	0	0	0	0	304,700
Tax Supported Bond	141,500	141,500	0	0	0	0	0	0	0
Transfer Tax	201,073	201,073	0	0	0	0	0	0	0
Total Funding	708,673	403,973	0	0	0	0	0	0	304,700

Project Title: Longmeadow Road

Project Number: 20

Account Number: RDI037

Projected Annual FTE's: 0

Projected Operating Costs: \$3,600



Description:

Capacity and safety enhancement to Longmeadow Road between Halifax Drive and Marsh Pike. Project includes widening Longmeadow Road to a five lane roadway and the construction of a traffic signal at the intersection with Paradise Church Road. The roadway will be a combination of open and closed section roadway with two lanes in each direction and a continuous center left turn lane as well as sidewalks on each side.

Assumptions & Justifications:

State aid funding each year from FY 2011 through 2016 will be applied to this project.

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

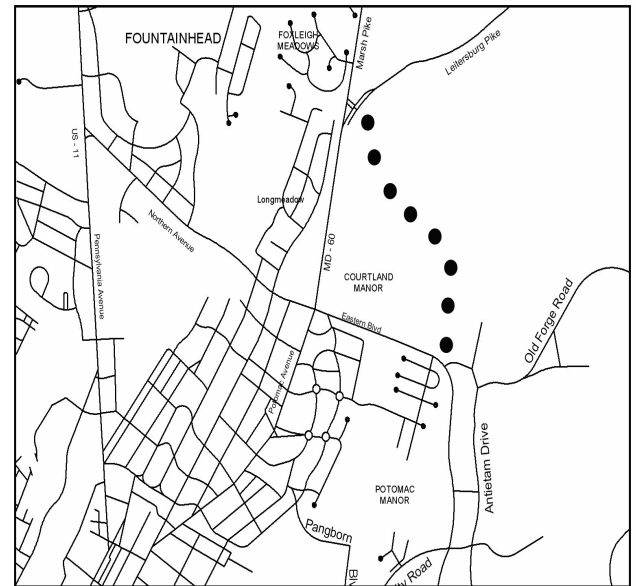
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	58,600	20,000	0	0	0	0	38,600	0	0
Engineering/Design	647,100	40,000	0	0	0	517,600	89,500	0	0
Land Acquisition	3,280,600	0	0	0	0	0	0	0	3,280,600
Construction	3,023,600	0	0	0	0	0	0	0	3,023,600
Inspection	0	0	0	0	0	0	0	0	0
Utilities	597,500	0	0	0	0	0	0	0	597,500
Total Cost	7,607,400	60,000	0	0	0	517,600	128,100	0	6,901,700

Funding Sources:

General Fund	113,900	60,000	0	0	0	0	53,900	0	0
Tax Supported Bond	7,493,500	0	0	0	0	517,600	74,200	0	6,901,700
Total Funding	7,607,400	60,000	0	0	0	517,600	128,100	0	6,901,700

Project Title: Eastern Boulevard Extended**Project Number: 21****Account Number: RDI039****Projected Annual FTE's: 0****Projected Operating Costs: \$3,960****Description:**

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

Assumptions & Justifications:

Majority of the right-of-way donated. Assumes remaining lands necessary can be obtained within budgeted values. Open section roadway with right-of-way for 4 lane road. SHA will require significant road widening along MD 60.

Relieve Eastern Blvd @ Leidersburg Pike intersection congestion. Provides a 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	534,750	110,250	0	0	424,500	0	0	0	0
Land Acquisition	415,300	150,000	0	0	265,300	0	0	0	0
Construction	7,776,400	25,000	0	0	0	1,082,400	5,503,200	1,165,800	0
Inspection	371,000	0	0	0	0	0	371,000	0	0
Utilities	276,000	0	0	0	0	0	276,000	0	0
Total Cost	9,373,450	285,250	0	0	689,800	1,082,400	6,150,200	1,165,800	0

Funding Sources:

General Fund	80,000	80,000	0	0	0	0	0	0	0
Tax Supported Bond	9,198,450	110,250	0	0	689,800	1,082,400	6,150,200	1,165,800	0
Federal Grant	95,000	95,000	0	0	0	0	0	0	0
Total Funding	9,373,450	285,250	0	0	689,800	1,082,400	6,150,200	1,165,800	0

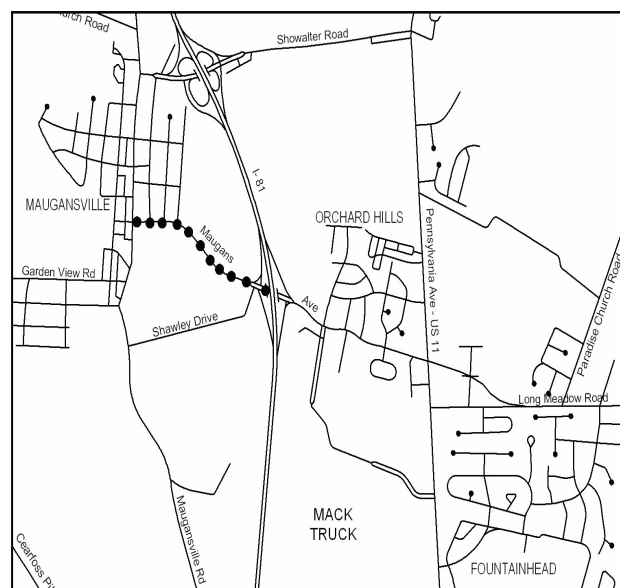
Project Title: Maugans Avenue II

Project Number: 23

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$2,160



Description:

Project consists of widening the existing Maugans Avenue from I-81 into Maugansville from the existing two lanes to a three lane section (one lane each direction with a center two-way left turn lane). Additionally drainage, traffic control and entrance improvements will be made as part of the project.

Assumptions & Justifications:

Needed to provide additional road capacity resulting from continued and forecasted development in this area.

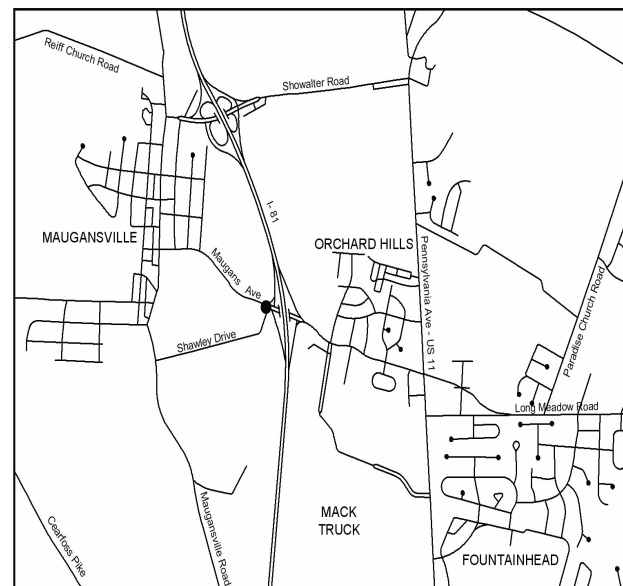
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	150,000	0	0	0	0	0	0	0	150,000
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
Utilities	0	0	0	0	0	0	0	0	0
Total Cost	150,000	0	0	0	0	0	0	0	150,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	150,000	0	0	0	0	0	0	0	150,000
Total Funding	150,000	0	0	0	0	0	0	0	150,000

Project Title: Shawley Drive**Project Number:** 25**Account Number:** RDI043**Projected Annual FTE's:** 0**Projected Operating Costs:** \$720**Description:**

Project involves the relocation of the northern most end of Shawley Drive between Label Lane and Maugans Ave to align with Oliver Drive. The project also creates separation from the ramps from/to I-81. The road will be a two lane open section roadway with a sidewalk on one side.

Assumptions & Justifications:

\$219,000 in developer contributions have been received as part of an executed APFO agreement. Project will provide for economic development activity in the area.

Needed to improve safety at the current intersection with Maugans Avenue. The Shawley Drive intersection with Maugans Avenue is too close to the I-81 southbound on-ramp.

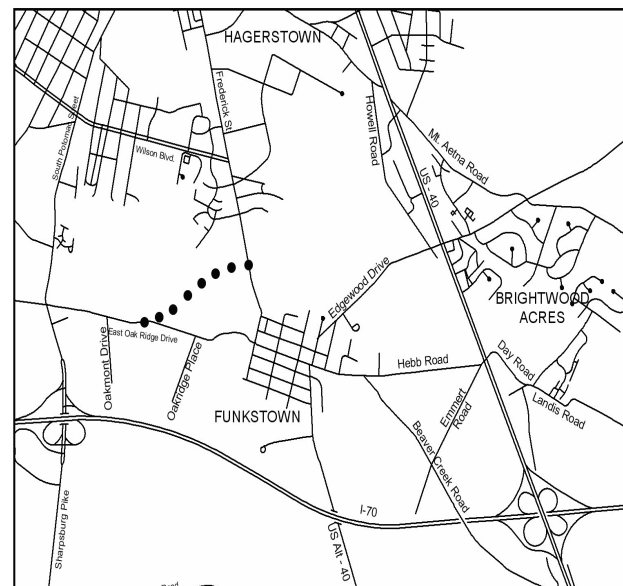
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	20,000	20,000	0	0	0	0	0	0	0
Engineering/Design	350,000	0	350,000	0	0	0	0	0	0
Land Acquisition	790,000	790,000	0	0	0	0	0	0	0
Construction	2,216,700	2,216,700	0	0	0	0	0	0	0
Inspection	121,200	121,200	0	0	0	0	0	0	0
Utilities	39,400	39,400	0	0	0	0	0	0	0
Total Cost	3,537,300	3,187,300	350,000	0	0	0	0	0	0

Funding Sources:

General Fund	20,000	20,000	0	0	0	0	0	0	0
Tax Supported Bond	3,298,300	2,948,300	350,000	0	0	0	0	0	0
Contributions	219,000	219,000	0	0	0	0	0	0	0
Total Funding	3,537,300	3,187,300	350,000	0	0	0	0	0	0

Project Title: Southern Boulevard I**Project Number:** 26**Account Number:** RDI040**Projected Annual FTE's:** 0**Projected Operating Costs:** \$2,520**Description:**

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.

Needed to provide congestion relief through Funkstown and help accommodate increased traffic volumes from ongoing development in this area. Will enhance transportation system and improve safety. Part of the overall county-wide transportation plan.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	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	7,113,200	4,160,500	0	936,400	2,016,300	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	8,975,800	6,023,100	0	936,400	2,016,300	0	0	0	0

Funding Sources:

General Fund	3,201,100	3,201,100	0	0	0	0	0	0	0
Tax Supported Bond	5,230,600	2,277,900	0	936,400	2,016,300	0	0	0	0
Capital Reserve - General	544,100	544,100	0	0	0	0	0	0	0
Total Funding	8,975,800	6,023,100	0	936,400	2,016,300	0	0	0	0

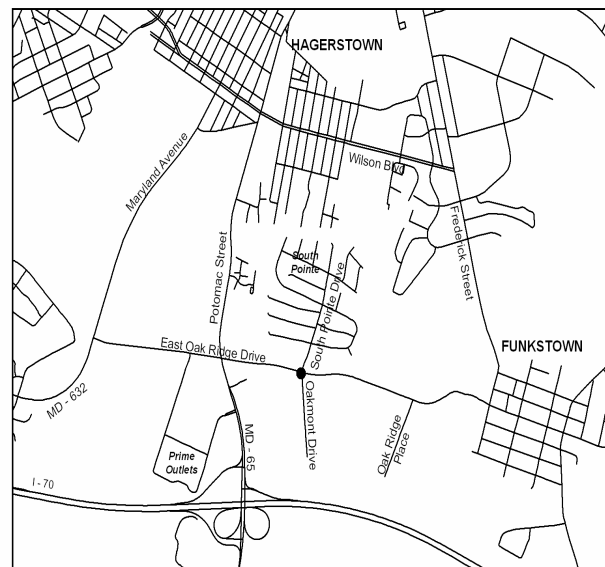
Project Title: E. Oak Ridge Drive/South Pointe Signal

Project Number: 964

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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 all the more difficult and potentially unsafe. Once volumes warrant the signal, safety and traffic flow will be improved.

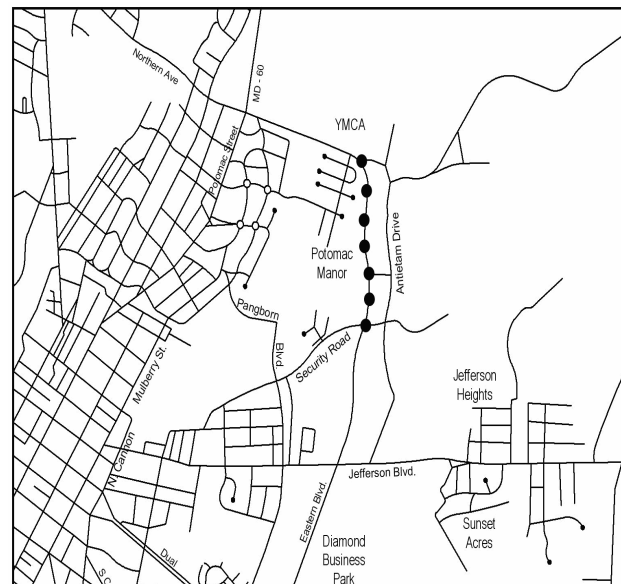
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	40,200	0	0	0	0	0	0	0	40,200
Land Acquisition	23,000	0	0	0	0	0	0	0	23,000
Construction	209,100	0	0	0	0	0	0	0	209,100
Inspection	29,900	0	0	0	0	0	0	0	29,900
Utilities	57,400	0	0	0	0	0	0	0	57,400
Total Cost	359,600	0	0	0	0	0	0	0	359,600

Funding Sources:

Tax Supported Bond	359,600	0	0	0	0	0	0	0	359,600
Total Funding	359,600	0	0	0	0	0	0	0	359,600

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 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	500,000	500,000	0	0	0	0	0	0	0
Land Acquisition	2,329,900	0	141,300	480,100	1,167,300	541,200	0	0	0
Construction	5,111,900	0	0	0	132,700	4,979,200	0	0	0
Inspection	251,700	0	0	0	82,800	168,900	0	0	0
Total Cost	8,193,500	500,000	141,300	480,100	1,382,800	5,689,300	0	0	0

Funding Sources:

Tax Supported Bond	7,693,500	0	141,300	480,100	1,382,800	5,689,300	0	0	0
Excise Tax - Roads	144,320	144,320	0	0	0	0	0	0	0
Federal Grant	355,680	355,680	0	0	0	0	0	0	0
Total Funding	8,193,500	500,000	141,300	480,100	1,382,800	5,689,300	0	0	0

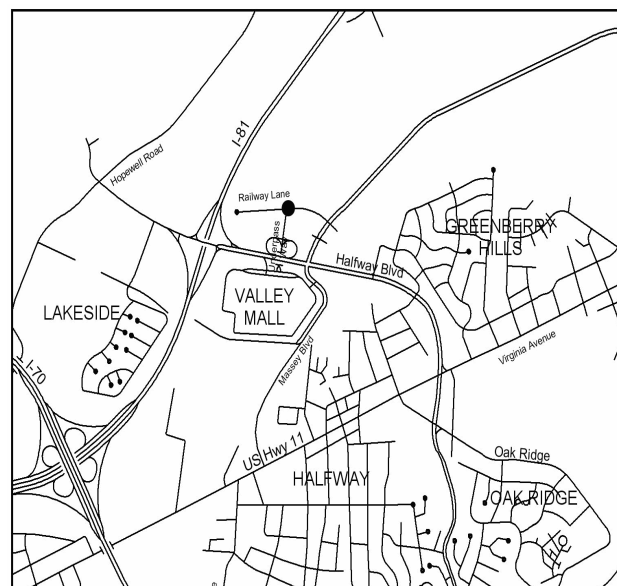
Project Title: Underpass Way and Railway Lane Roundabout

Project Number: 1006

Account Number: RDI058

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Project involves the construction of a traffic roundabout at the intersection of Underpass Way and Railway Lane.

Assumptions & Justifications:

Assume one lane closed section roadway with interior landscaped area. Developer contribution may be obtained toward project.

County frequently receives complaints regarding this location. Intersection operates at level of service F; construction will improve level of service to A and enhance safety.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	20,200	20,200	0	0	0	0	0	0	0
Engineering/Design	101,000	101,000	0	0	0	0	0	0	0
Land Acquisition	252,500	252,500	0	0	0	0	0	0	0
Construction	688,500	0	688,500	0	0	0	0	0	0
Inspection	51,000	0	51,000	0	0	0	0	0	0
Total Cost	1,113,200	373,700	739,500	0	0	0	0	0	0

Funding Sources:

Hotel Rental Fund	773,700	373,700	400,000	0	0	0	0	0	0
Tax Supported Bond	231,500	0	231,500	0	0	0	0	0	0
Contributions	108,000	0	108,000	0	0	0	0	0	0
Total Funding	1,113,200	373,700	739,500	0	0	0	0	0	0

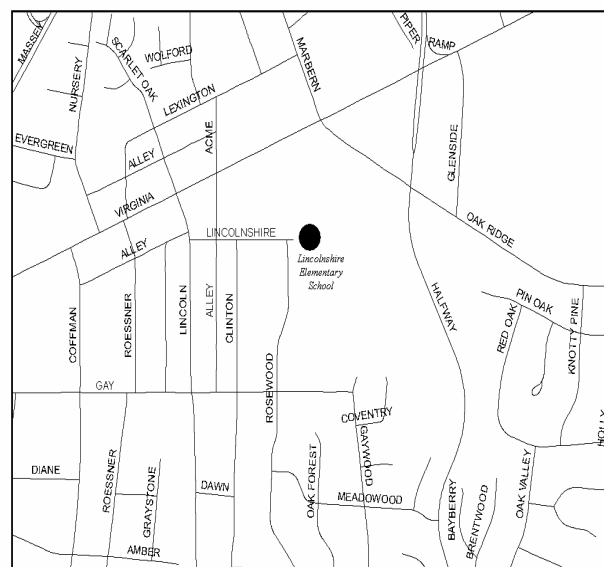
Project Title: Transportation ADA

Project Number: 1023

Account Number: LDI037

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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:

Multi-year plan to achieve full compliance. 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	74,700	74,700	0	0	0	0	0	0	0
Construction	1,478,800	684,500	0	78,000	89,500	89,400	89,300	89,200	358,900
Total Cost	1,553,500	759,200	0	78,000	89,500	89,400	89,300	89,200	358,900

Funding Sources:

General Fund	423,800	166,900	0	78,000	89,500	89,400	0	0	0
Capital Reserve - General	537,400	0	0	0	0	0	89,300	89,200	358,900
State Grant	592,300	592,300	0	0	0	0	0	0	0
Total Funding	1,553,500	759,200	0	78,000	89,500	89,400	89,300	89,200	358,900

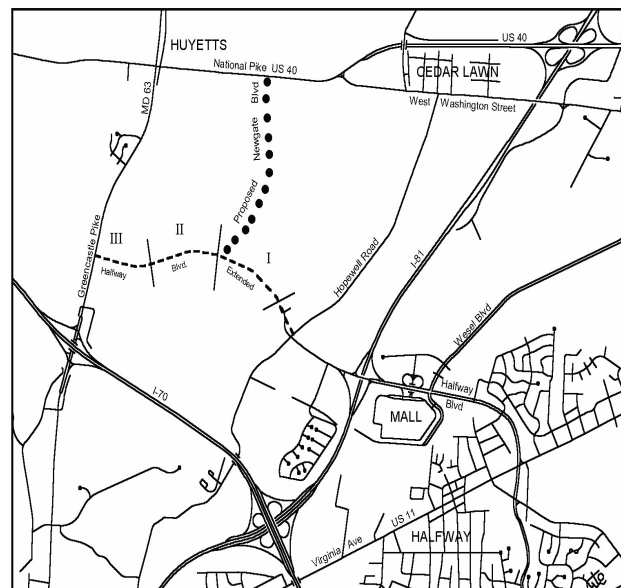
Project Title: Halfway Boulevard Extended II

Project Number: 1026

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$2,160



Description:

A new four lane open section roadway connecting Halfway Boulevard Extended to MD Route 63. Intersection improvements at Halfway Boulevard extended and MD Route 63 include providing a traffic signal.

Assumptions & Justifications:

This project assumes developer contribution for land acquisition and a portion of the bridge cost.

Needed to provide additional road capacity and alternate routes resulting from continued and forecasted development in this area. Provides alternate access route to MD Route 63 and Interstate 70 for heavy truck traffic from industrial park on Halfway Boulevard Extended.

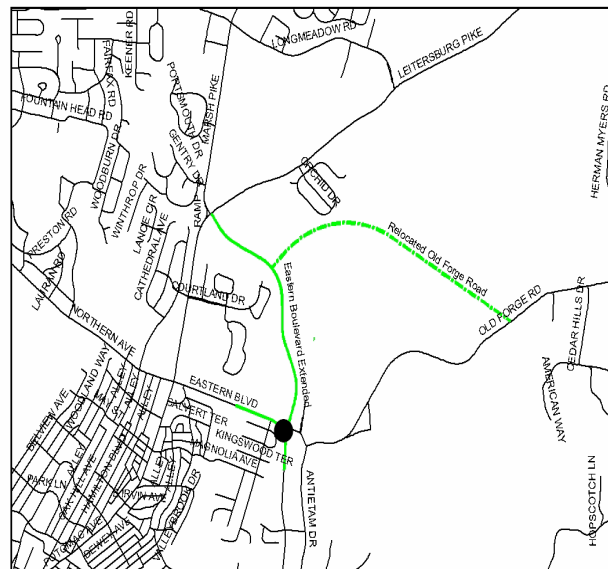
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	468,200	0	0	468,200	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Inspection	168,900	0	0	0	0	0	0	168,900	0
Total Cost	637,100	0	0	468,200	0	0	0	168,900	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	637,100	0	0	468,200	0	0	0	168,900	0
Total Funding	637,100	0	0	468,200	0	0	0	168,900	0

Project Title: Eastern Blvd. at Antietam Drive Intersection Improvement**Project Number:** 1038**Account Number:** RDI051**Projected Annual FTE's:** 0**Projected Operating Costs:** \$360**Description:**

Intersection improvements at Antietam Drive. This project will connect the Eastern Boulevard Widening Phase II project with the Eastern Boulevard Extended project. Two intersection configurations are being evaluated at this location, a traditional four-leg signalized intersection and a roundabout intersection.

Assumptions & Justifications:

Costs shown assume roundabout to be constructed.

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	2014	2015	2016	2017	2018	2019	Future
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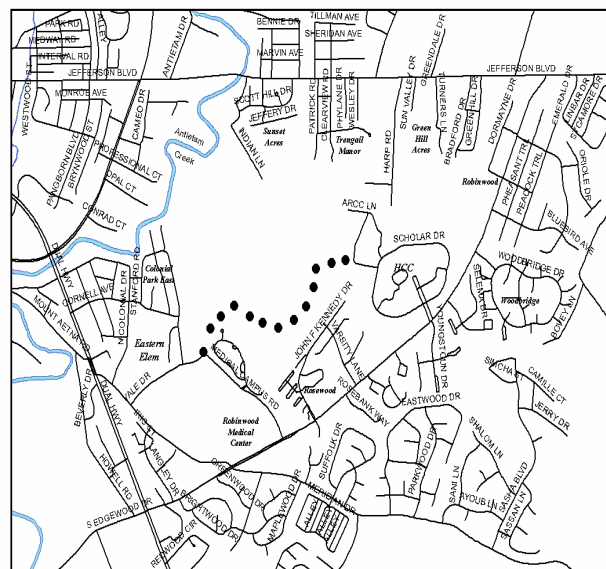
Project Costs:

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	2,732,100	0	0	1,352,500	1,379,600	0	0	0	0
Inspection	126,100	0	0	62,400	63,700	0	0	0	0
Total Cost	3,360,200	502,000	0	1,414,900	1,443,300	0	0	0	0

Funding Sources:

General Fund	272,400	272,400	0	0	0	0	0	0	0
Tax Supported Bond	3,087,800	229,600	0	1,414,900	1,443,300	0	0	0	0
Total Funding	3,360,200	502,000	0	1,414,900	1,443,300	0	0	0	0

Projected Operating Costs: \$1,800



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	2014	2015	2016	2017	2018	2019	Future
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Engineering/Design	95,700	95,700	0	0	0	0	0	0	0
Construction	3,381,990	2,347,690	306,000	728,300	0	0	0	0	0
Utilities	8,250	8,250	0	0	0	0	0	0	0
Total Cost	3,485,940	2,451,640	306,000	728,300	0	0	0	0	0

General Fund	656,640	656,640	0	0	0	0	0	0	0
Tax Supported Bond	1,629,300	595,000	306,000	728,300	0	0	0	0	0
Federal Grant	1,200,000	1,200,000	0	0	0	0	0	0	0
Total Funding	3,485,940	2,451,640	306,000	728,300	0	0	0	0	0

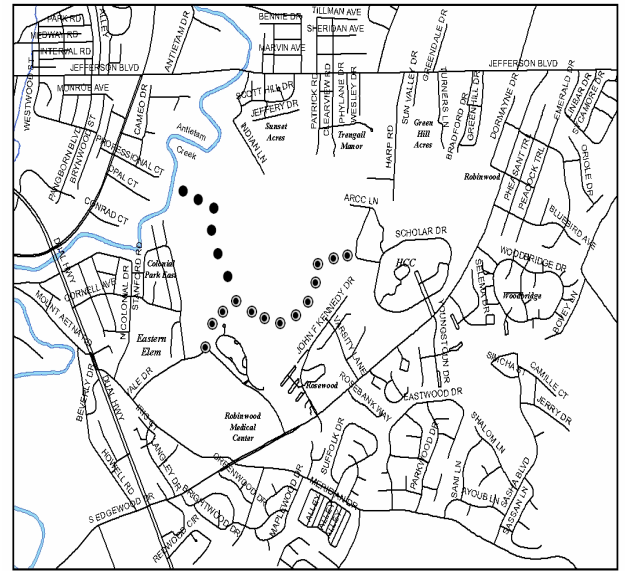
Project Title: Professional Court Extended - Phase II

Project Number: 1071

Account Number: RDI056

Projected Annual FTE's: 0

Projected Operating Costs: \$2,880



Description:

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). 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:

Project assumes 80% federal, 10% City, and 10% County funding. 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).

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	2014	2015	2016	2017	2018	2019	Future
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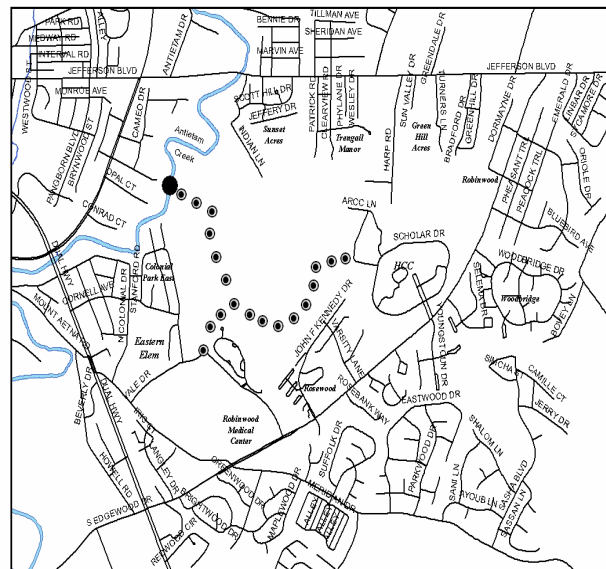
Project Costs:

Engineering/Design	398,400	125,000	273,400	0	0	0	0	0	0
Land Acquisition	102,000	0	102,000	0	0	0	0	0	0
Construction	6,611,100	0	934,100	0	0	0	0	0	5,677,000
Inspection	281,200	0	0	0	0	0	0	0	281,200
Total Cost	7,392,700	125,000	1,309,500	0	0	0	0	0	5,958,200

Funding Sources:

General Fund	492,900	125,000	0	0	0	0	0	0	367,900
Tax Supported Bond	517,100	0	289,200	0	0	0	0	0	227,900
Federal Grant	5,786,900	0	1,020,300	0	0	0	0	0	4,766,600
Contributions	595,800	0	0	0	0	0	0	0	595,800
Total Funding	7,392,700	125,000	1,309,500	0	0	0	0	0	5,958,200

Projected Operating Costs: \$1,000



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 City/County.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Engineering/Design	650,400	125,000	0	260,100	265,300	0	0	0	0
Land Acquisition	450,500	0	0	0	0	0	220,800	0	229,700
Construction	7,734,000	0	0	0	0	0	0	0	7,734,000
Inspection	274,900	0	0	0	0	0	0	0	274,900
Total Cost	9,109,800	125,000	0	260,100	265,300	0	220,800	0	8,238,600

General Fund	381,100	125,000	0	234,100	0	0	22,000	0	0
Hotel Rental Fund	822,700	0	0	0	0	0	0	0	822,700
Tax Supported Bond	238,800	0	0	0	238,800	0	0	0	0
Federal Grant	6,820,200	0	0	26,000	26,500	0	176,700	0	6,591,000
Contributions	847,000	0	0	0	0	0	22,100	0	824,900
Total Funding	9,109,800	125,000	0	260,100	265,300	0	220,800	0	8,238,600

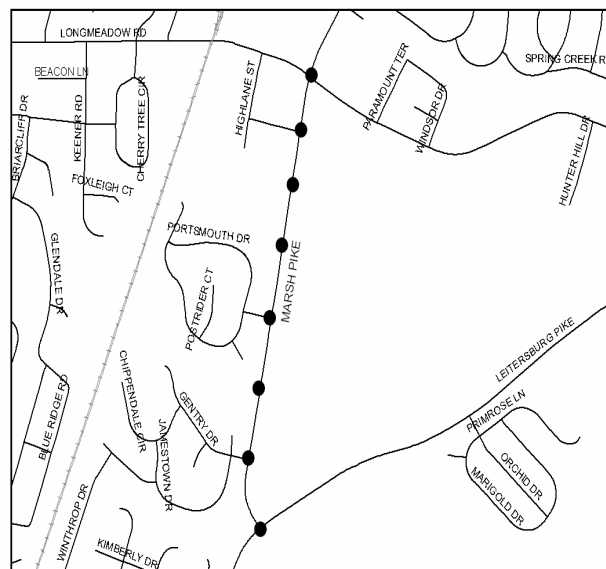
Project Title: Marsh Pike from MD60 to Longmeadow

Project Number: 1091

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$2,160



Description:

Road Capacity and safety enhancement on Marsh Pike between Leithsburg Pike (MD 60) and Longmeadow Road. Project includes widening of Marsh Pike and will connect Eastern Boulevard Extended to the new intersection at Marsh Pike and Longmeadow Road. The roadway will be a four lane closed section roadway.

Assumptions & Justifications:

Although full County funding is shown, it is possible that developer contributions may be forthcoming due to APFO obligations. No new water and/or sewer network is included in this cost estimate.

Needed to provide additional road capacity resulting from continued development in this area.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	422,300	0	0	0	0	0	0	422,300	0
Land Acquisition	450,500	0	0	0	0	0	0	450,500	0
Construction	5,345,900	0	0	0	0	0	0	2,646,500	2,699,400
Inspection	330,800	0	0	0	0	0	0	0	330,800
Total Cost	6,549,500	0	0	0	0	0	0	3,519,300	3,030,200

Funding Sources:

Tax Supported Bond	6,549,500	0	0	0	0	0	0	3,519,300	3,030,200
Total Funding	6,549,500	0	0	0	0	0	0	3,519,300	3,030,200

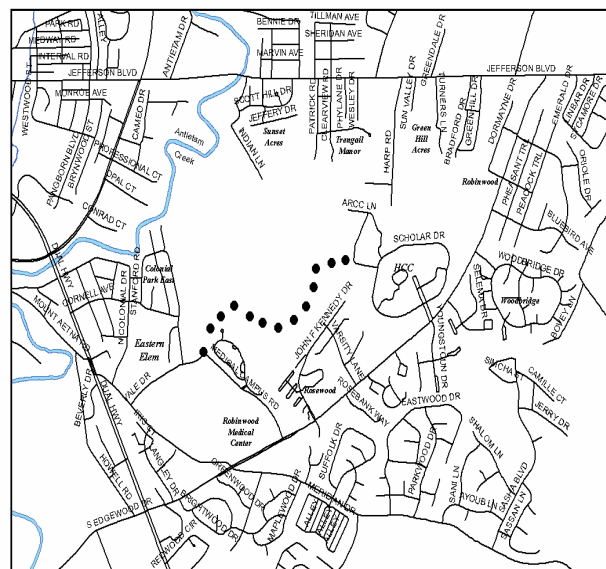
Project Title: Yale Drive Extended - Phase I

Project Number: 1093

Account Number: RDI053

Projected Annual FTE's: 0

Projected Operating Costs: \$2,250



Description:

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 (2-lanes). Project includes the construction of three roundabout intersections.

Assumptions & Justifications:

This Phase I project consists of a 2-lane roadway and three roundabout intersections. A second Phase II project is planned for widening the roadway from 2-lanes to 4-lanes. 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).

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	2014	2015	2016	2017	2018	2019	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	5,720,610	3,634,310	1,358,000	728,300	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	6,251,660	4,165,360	1,358,000	728,300	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	3,158,300	2,172,000	258,000	728,300	0	0	0	0	0
Transfer Tax	250,000	250,000	0	0	0	0	0	0	0
Federal Grant	1,700,000	600,000	1,100,000	0	0	0	0	0	0
Total Funding	6,251,660	4,165,360	1,358,000	728,300	0	0	0	0	0

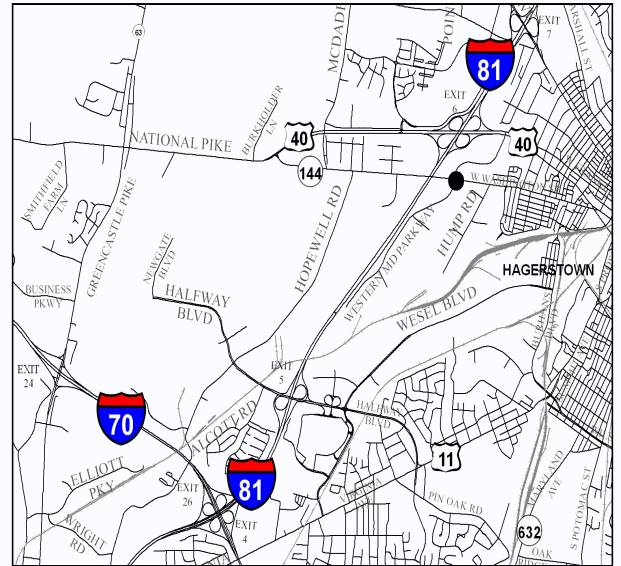
Project Title: MD Route 144 and Western MD Parkway Roundabout

Project Number: 1106

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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. Project is required to accommodate economic development in the area.

Assumptions & Justifications:

Assume one lane open section roadway with interior landscaped area. This is a SHA project with County contribution at 50% for two of the four road approaches to the intersection.

Construction of roundabout will improve safety and level of service at intersection.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Planning	10,400	0	0	10,400	0	0	0	0	0
Land Acquisition	10,400	0	0	10,400	0	0	0	0	0
Construction	964,600	0	0	0	477,500	487,100	0	0	0
Inspection	62,300	0	0	0	0	62,300	0	0	0
Total Cost	1,047,700	0	0	20,800	477,500	549,400	0	0	0

Funding Sources:

General Fund	20,800	0	0	20,800	0	0	0	0	0
Tax Supported Bond	513,400	0	0	0	238,700	274,700	0	0	0
Contributions	513,500	0	0	0	238,800	274,700	0	0	0
Total Funding	1,047,700	0	0	20,800	477,500	549,400	0	0	0

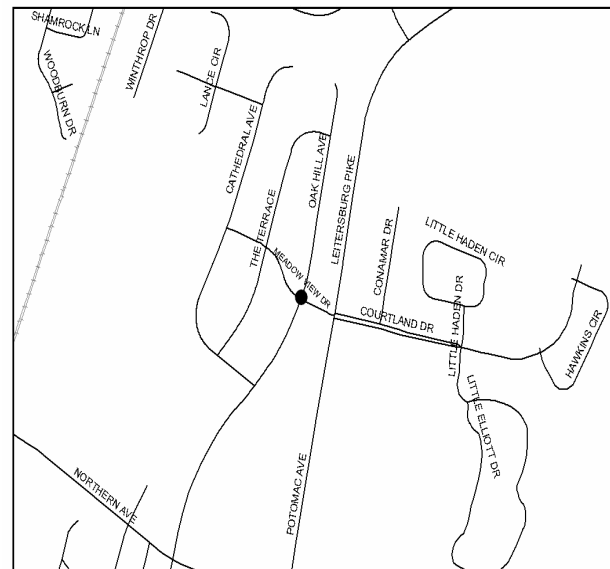
Project Title: Meadow View Drive and Oak Hill Avenue Roundabout

Project Number: 1109

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Project involves construction of a traffic roundabout at the intersection of Meadow View Drive and Oak Hill Avenue.

Assumptions & Justifications:

Assume one lane open section roadway with interior landscaping.

Construction of roundabout will improve safety and level of service at the intersection. Construction along Leitersburg 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Land Acquisition	12,200	0	0	0	0	0	0	0	12,200
Construction	0	0	0	0	0	0	0	0	0
Inspection	55,100	0	0	0	0	0	0	0	55,100
Total Cost	67,300	0	0	0	0	0	0	0	67,300

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	67,300	0	0	0	0	0	0	0	67,300
Total Funding	67,300	0	0	0	0	0	0	0	67,300

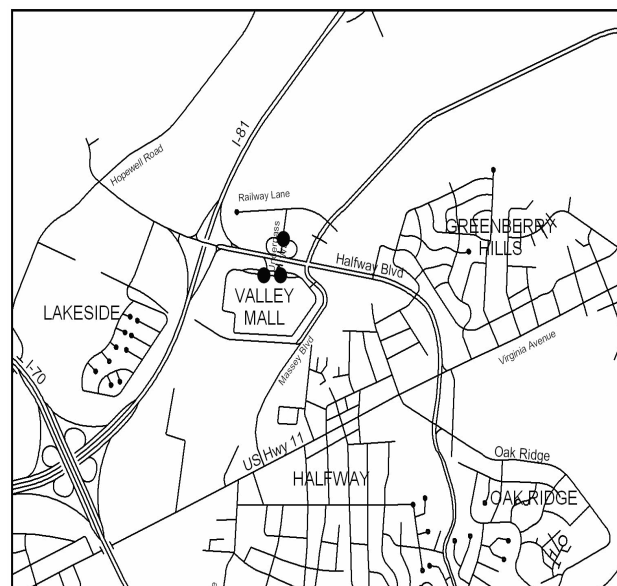
Project Title: Valley Mall Road Improvements

Project Number: 1121

Account Number: RDI059

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Intersection improvements at Underpass Way, Railway Lane, and Valley Mall Road. Project includes the construction of a new traffic signal at Underpass Way and Valley Mall Road and two roundabouts (a roundabout on Underpass Way at the on/off ramps to Halfway Blvd and a roundabout on Valley Mall Road at the off ramp for Halfway Blvd).

Assumptions & Justifications:

This project is expected to receive contributions from a special taxing district.

Intersection improvements will improve safety and level of service at these locations.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	66,300	0	66,300	0	0	0	0	0	0
Construction	312,100	0	0	312,100	0	0	0	0	0
Inspection	31,200	0	0	31,200	0	0	0	0	0
Utilities	20,400	0	20,400	0	0	0	0	0	0
Total Cost	430,000	0	86,700	343,300	0	0	0	0	0

Funding Sources:

Hotel Rental Fund	343,300	0	0	343,300	0	0	0	0	0
Tax Supported Bond	86,700	0	86,700	0	0	0	0	0	0
Total Funding	430,000	0	86,700	343,300	0	0	0	0	0

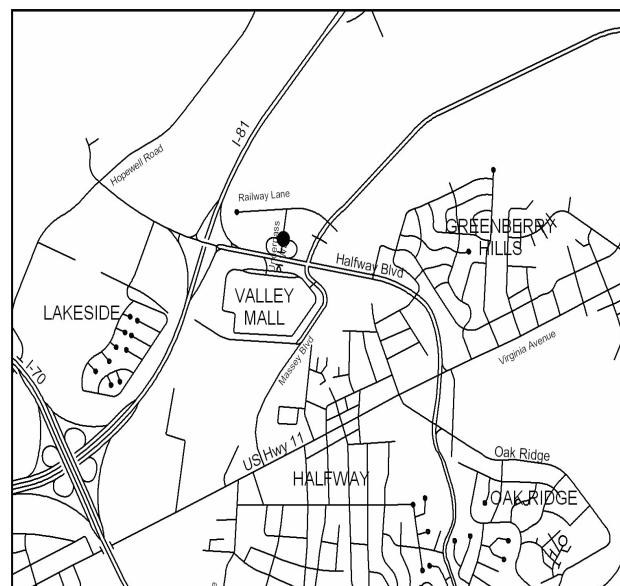
Project Title: Valley Mall Area Road Improvements Phase II

Project Number: 1167

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Intersection reconstruction, Underpass Way at the on/off ramps to/from Halfway Blvd. Convert stop controlled intersection to a roundabout intersection.

Assumptions & Justifications:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	79,600	0	0	0	79,600	0	0	0	0
Land Acquisition	106,100	0	0	0	106,100	0	0	0	0
Construction	835,800	0	0	0	0	0	441,600	394,200	0
Utilities	45,000	0	0	0	0	0	0	45,000	0
Total Cost	1,066,500	0	0	0	185,700	0	441,600	439,200	0

Funding Sources:

Hotel Rental Fund	1,066,500	0	0	0	185,700	0	441,600	439,200	0
Total Funding	1,066,500	0	0	0	185,700	0	441,600	439,200	0

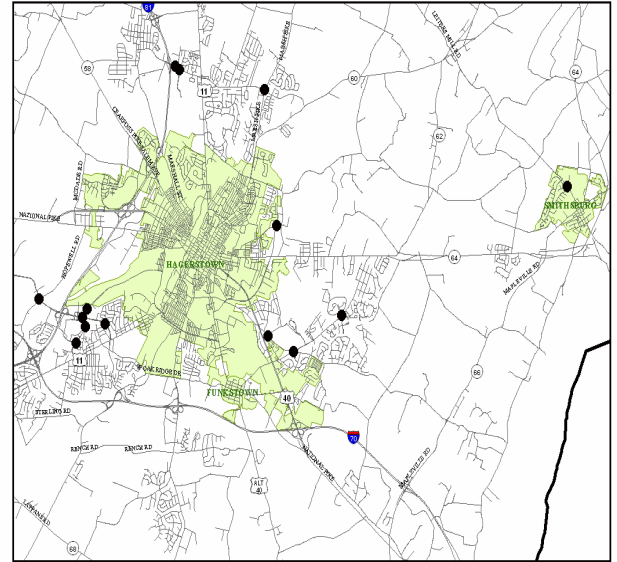
Project Title: Battery Backup Operation for Signalized Intersections

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-Smithsburg 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	60,000	0	60,000	0	0	0	0	0	0
Construction	218,500	0	0	0	218,500	0	0	0	0
Total Cost	278,500	0	60,000	0	218,500	0	0	0	0

Funding Sources:

General Fund	218,500	0	0	0	218,500	0	0	0	0
Capital Reserve - General	60,000	0	60,000	0	0	0	0	0	0
Total Funding	278,500	0	60,000	0	218,500	0	0	0	0

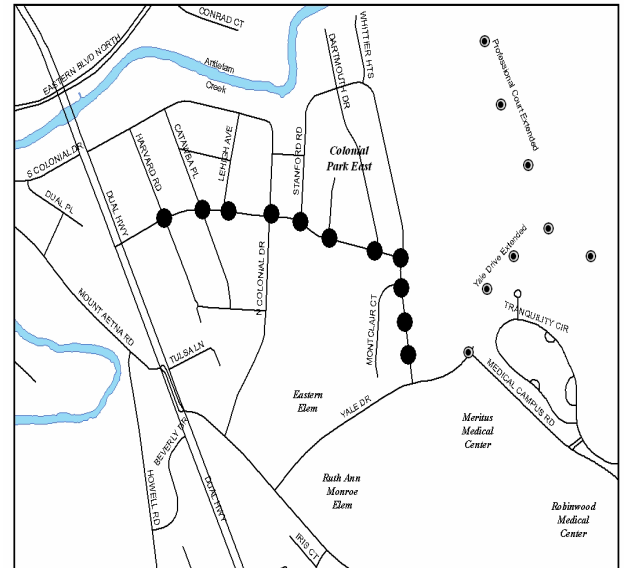
Project Title: Colonial Park East Subdivision Traffic Calming

Project Number: 1195

Account Number: RDI060

Projected Annual FTE's: 0

Projected Operating Costs: \$0



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; and 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	2014	2015	2016	2017	2018	2019	Future
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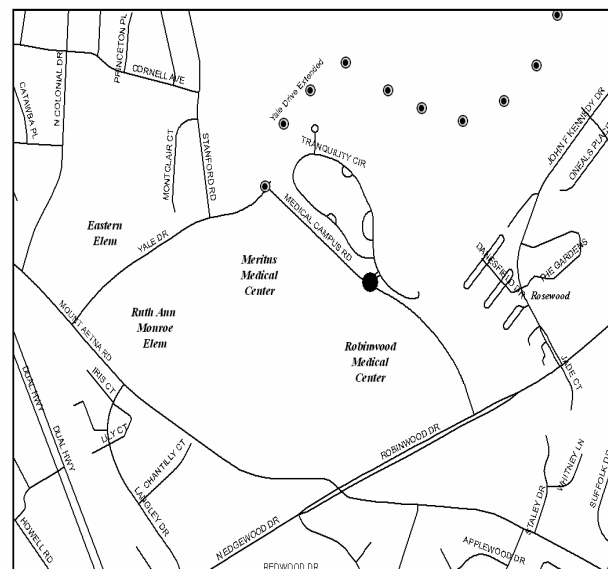
Project Costs:

Engineering/Design	30,600	0	0	30,600	0	0	0	0	0
Construction	281,100	0	125,000	0	156,100	0	0	0	0
Inspection	43,000	0	43,000	0	0	0	0	0	0
Total Cost	354,700	0	168,000	30,600	156,100	0	0	0	0

Funding Sources:

General Fund	108,700	0	0	30,600	78,100	0	0	0	0
Capital Reserve - General	168,000	0	168,000	0	0	0	0	0	0
Contributions	78,000	0	0	0	78,000	0	0	0	0
Total Funding	354,700	0	168,000	30,600	156,100	0	0	0	0

Projected Operating Costs: \$0



Hotel Rental Fund	440,400	0	0	0	0	440,400	0	0	0
Total Funding	440,400	0	0	0	0	440,400	0	0	0

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Solid Waste



Solid Waste

Washington County, Maryland

Capital Improvement 10yr Condensed

Fiscal Year 2014 - 2023

Ten Year Capital Program										
Page	Project	Total	Prior Appr.	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Solid Waste										
194	Contingency - Solid Waste	718,900	211,500	0	52,000	53,100	54,100	55,200	56,300	236,700
195	Close Out Cap - Rubble Fill	1,969,600	81,400	0	0	1,888,200	0	0	0	0
196	Cell 5	4,992,200	0	0	0	0	0	0	225,200	4,767,000
197	E-Cycling Building	145,700	0	0	145,700	0	0	0	0	0
198	40 West Pavement Rehabilitation	703,000	0	0	0	0	0	0	0	703,000
199	40 West Trash Fence	717,100	0	0	0	0	0	0	0	717,100
200	Seal Coating Closed Facilities	867,900	0	0	0	0	0	0	0	867,900
201	40 West Seal Coat and Pavement Rehab	53,000	0	0	53,000	0	0	0	0	0
Solid Waste Total		10,167,400	292,900	0	250,700	1,941,300	54,100	55,200	281,500	7,291,700
Funding Sources										
General Fund		63,000	63,000	0	0	0	0	0	0	0
Solid Waste Fund		679,900	229,900	0	50,000	50,000	50,000	50,000	50,000	200,000
Self Supported Bond		9,424,500	0	0	200,700	1,891,300	4,100	5,200	231,500	7,091,700
		10,167,400	292,900	0	250,700	1,941,300	54,100	55,200	281,500	7,291,700

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.

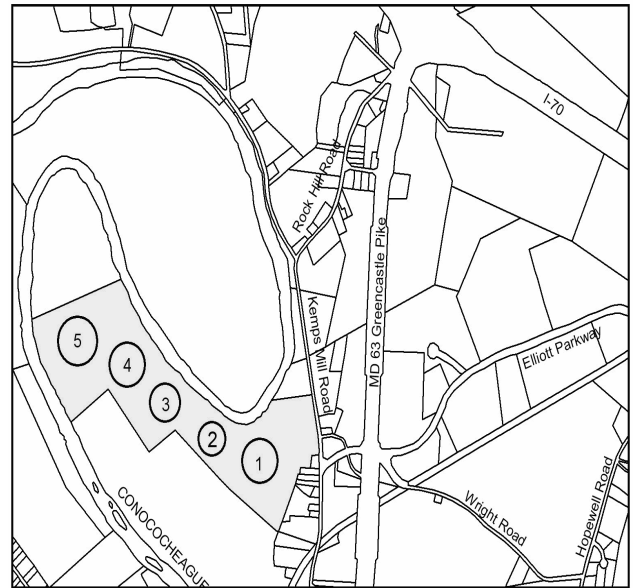
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Contingency	718,900	211,500	0	52,000	53,100	54,100	55,200	56,300	236,700
Total Cost	718,900	211,500	0	52,000	53,100	54,100	55,200	56,300	236,700

Funding Sources:

Solid Waste Fund	661,500	211,500	0	50,000	50,000	50,000	50,000	50,000	200,000
Self Supported Bond	57,400	0	0	2,000	3,100	4,100	5,200	6,300	36,700
Total Funding	718,900	211,500	0	52,000	53,100	54,100	55,200	56,300	236,700

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 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 at least 2015 if no maintenance or compliance issues arise. Funding is assumed to be from the State Water Quality Loan Program.

Work is required to comply with State regulations and facility permit. Federal regulations do not apply to rubble fill sites.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	167,800	81,400	0	0	86,400	0	0	0	0
Construction	1,639,400	0	0	0	1,639,400	0	0	0	0
Inspection	162,400	0	0	0	162,400	0	0	0	0
Total Cost	1,969,600	81,400	0	0	1,888,200	0	0	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	1,888,200	0	0	0	1,888,200	0	0	0	0
Total Funding	1,969,600	81,400	0	0	1,888,200	0	0	0	0

Project Title: Cell 5

Project Number: 947

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will be for the design and construction of Cell #5 at the Forty West landfill.

Assumptions & Justifications:

Construction of cell #5 is needed to assure continuous uninterrupted landfill operations. Project timing is based on projected inbound waste volumes.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	225,200	0	0	0	0	0	0	225,200	0
Construction	4,594,700	0	0	0	0	0	0	0	4,594,700
Inspection	172,300	0	0	0	0	0	0	0	172,300
Total Cost	4,992,200	0	0	0	0	0	0	225,200	4,767,000

Funding Sources:

Self Supported Bond	4,992,200	0	0	0	0	0	0	225,200	4,767,000
Total Funding	4,992,200	0	0	0	0	0	0	225,200	4,767,000

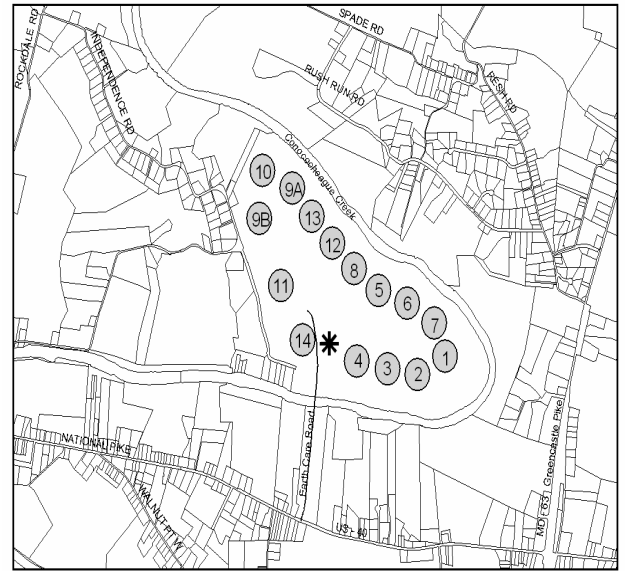
Project Title: E-Cycling Building

Project Number: 1074

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000



Description:

Project will design and construct a building to house the electronics recycling operations.

Assumptions & Justifications:

Currently, the electronics recycling operations are being housed in portable trailers. The pallets of electronics need to be manually moved because there is no forklift access to the trailers.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	145,700	0	0	145,700	0	0	0	0	0
Total Cost	145,700	0	0	145,700	0	0	0	0	0

Funding Sources:

Self Supported Bond	145,700	0	0	145,700	0	0	0	0	0
Total Funding	145,700	0	0	145,700	0	0	0	0	0

Project Title: 40 West Pavement Rehabilitation

Project Number: 1129

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Project includes milling and paving Roads and parking lots at the 40 West Landfill.

Assumptions & Justifications:

Roads and parking lots will have been in service for 20+ years and will need rehabilitation.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	703,000	0	0	0	0	0	0	0	703,000
Total Cost	703,000	0	0	0	0	0	0	0	703,000

Funding Sources:

Self Supported Bond	703,000	0	0	0	0	0	0	0	703,000
Total Funding	703,000	0	0	0	0	0	0	0	703,000

Project Title: 40 West Trash Fence

Project Number: 1137

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will replace existing 20' trash fence with 60' (or taller) trash fence.

Assumptions & Justifications:

As the landfill expands vertically, the trash fence will need to be expanded vertically also. Most of the existing trash fence was installed by Solid Waste forces to satisfy MDE concerns. Solid Waste personnel do not have the equipment to install a 60' tall trash fence.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	717,100	0	0	0	0	0	0	0	717,100
Total Cost	717,100	0	0	0	0	0	0	0	717,100

Funding Sources:

Self Supported Bond	717,100	0	0	0	0	0	0	0	717,100
Total Funding	717,100	0	0	0	0	0	0	0	717,100

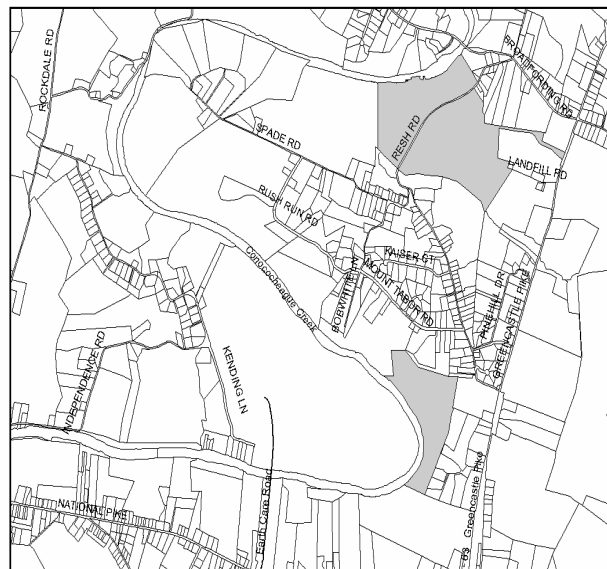
Project Title: Seal Coating Closed Facilities

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 vehicle and leachate hauling vehicles.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	867,900	0	0	0	0	0	0	0	867,900
Total Cost	867,900	0	0	0	0	0	0	0	867,900

Funding Sources:

Self Supported Bond	867,900	0	0	0	0	0	0	0	867,900
Total Funding	867,900	0	0	0	0	0	0	0	867,900

Project Title: 40 West Seal Coat and Pavement Rehab

Project Number: 1183

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Seal Coat existing residential Drop-Off area and repair/repave existing Administration Building at the 40 West Landfill.

Assumptions & Justifications:

The existing pavement at the Residential Drop-off area can be rehabilitated with a seal coat. The existing Administration Building parking area has deteriorated to the extent that either pavement replacement or overlay is necessary for repair.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	53,000	0	0	53,000	0	0	0	0	0
Total Cost	53,000	0	0	53,000	0	0	0	0	0

Funding Sources:

Self Supported Bond	53,000	0	0	53,000	0	0	0	0	0
Total Funding	53,000	0	0	53,000	0	0	0	0	0

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Transit



Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
	<u>Transit</u>									
204	Transit Equipment Replacement Program	213,014	183,214	14,000	7,700	8,100	0	0	0	0
205	Fixed Route Bus Replacement Program	5,100,200	924,600	0	0	0	0	0	2,203,400	1,972,200
206	ADA Bus Replacement	634,800	65,000	0	70,300	76,100	0	79,200	92,800	251,400
207	Transit System Bus Shelters	700,013	361,813	0	0	106,100	0	0	112,600	119,500
208	Vehicle Maintenance Program	1,553,926	386,126	153,000	104,000	106,100	108,200	110,400	112,600	473,500
	Transit Total	8,201,953	1,920,753	167,000	182,000	296,400	108,200	189,600	2,521,400	2,816,600
Funding Sources										
	General Fund	774,375	146,575	16,600	18,100	29,600	10,800	18,900	252,500	281,300
	Federal Grant	6,650,217	1,624,817	133,600	145,700	237,200	86,600	151,700	2,017,200	2,253,400
	State Grant	777,361	149,361	16,800	18,200	29,600	10,800	19,000	251,700	281,900
		8,201,953	1,920,753	167,000	182,000	296,400	108,200	189,600	2,521,400	2,816,600

Project Title: Transit Equipment Replacement Program

Project Number: 133

Account Number: EQP049

Projected Annual FTE's: 0

Projected Operating Costs: 0



Description:

Procure one additional RouteMatch trip scheduling and dispatching software license.

Procure one laptop computer.

Software support and maintenance cost for RTA Fleet maintenance software and RouteMatch trip scheduling and dispatching software.

Assumptions & Justifications:

\$5,000 RouteMatch software license

\$2,500 Computer

\$22,300 Software maintenance and support (over three years)

Project funding assumes 80% Federal; 10% State; and 10% Local and is contingent on grant funding.

Due to increases in trip requests, scheduling, and demand for activity reports it has become necessary to obtain additional licenses for the program. Laptop and software maintenance support are necessary in order to maintain the existing system and additional enhancements to the systems.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	183,214	183,214	0	0	0	0	0	0	0
Hardware/Software	29,800	0	14,000	7,700	8,100	0	0	0	0
Total Cost	213,014	183,214	14,000	7,700	8,100	0	0	0	0

Funding Sources:

General Fund	4,014	1,214	1,300	700	800	0	0	0	0
Federal Grant	204,600	180,700	11,200	6,200	6,500	0	0	0	0
State Grant	4,400	1,300	1,500	800	800	0	0	0	0
Total Funding	213,014	183,214	14,000	7,700	8,100	0	0	0	0

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 current small/mid-size bus contract. 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 projected based on current useful life schedule.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Vehicles	5,100,200	924,600	0	0	0	0	0	2,203,400	1,972,200
Total Cost	5,100,200	924,600	0	0	0	0	0	2,203,400	1,972,200

Funding Sources:

General Fund	509,900	92,500	0	0	0	0	0	220,300	197,100
Federal Grant	4,080,200	739,700	0	0	0	0	0	1,762,700	1,577,800
State Grant	510,100	92,400	0	0	0	0	0	220,400	197,300
Total Funding	5,100,200	924,600	0	0	0	0	0	2,203,400	1,972,200

Project Title: ADA Bus Replacement

Project Number: 138

Account Number: VEH005

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

FY 13 - Replace one (1) ADA Program bus (Unit 502) becomes 505
 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 current small/mid-size bus contract. 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 projected based on current useful life schedule.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	634,800	65,000	0	70,300	76,100	0	79,200	92,800	251,400
Total Cost	634,800	65,000	0	70,300	76,100	0	79,200	92,800	251,400

Funding Sources:

General Fund	60,800	4,100	0	7,000	7,600	0	7,900	9,200	25,000
Federal Grant	510,200	54,100	0	56,300	60,900	0	63,400	74,300	201,200
State Grant	63,800	6,800	0	7,000	7,600	0	7,900	9,300	25,200
Total Funding	634,800	65,000	0	70,300	76,100	0	79,200	92,800	251,400

Project Title: Transit System Bus Shelters

Project Number: 929

Account Number: BLD041

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

Procurement and installation of passenger bus shelters throughout the transit system's fixed-routes as amenities for our passengers. Locations are to be determined.

Assumptions & Justifications:

Project funding assumes 80% Federal, 10% State, 10% Local and is contingent on grant funding. Engineering needs assessment will need to be completed for each identified location. It is anticipated that this project will require many years to complete.

MTA provides grant funding for supportive services such as passenger shelters. Procurement of the shelter itself is only one step in the multi-step process of erecting passenger shelters.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	700,013	361,813	0	0	106,100	0	0	112,600	119,500
Total Cost	700,013	361,813	0	0	106,100	0	0	112,600	119,500

Funding Sources:

General Fund	56,300	22,600	0	0	10,600	0	0	11,200	11,900
Federal Grant	587,213	316,613	0	0	84,900	0	0	90,100	95,600
State Grant	56,500	22,600	0	0	10,600	0	0	11,300	12,000
Total Funding	700,013	361,813	0	0	106,100	0	0	112,600	119,500

Project Title: **Vehicle Maintenance Program**

Project Number: **1083**

Account Number: **EQP021**

Projected Annual FTE's: **0**

Projected Operating Costs: **\$0**

Description:

Project will provide for preventative maintenance and repairs of transit vehicles and facilities.

Assumptions & Justifications:

Project funding assumes 80% Federal, 10% State, 10% Local and is contingent on grant funding. Recent 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	1,553,926	386,126	153,000	104,000	106,100	108,200	110,400	112,600	473,500
Total Cost	1,553,926	386,126	153,000	104,000	106,100	108,200	110,400	112,600	473,500

Funding Sources:

General Fund	143,361	26,161	15,300	10,400	10,600	10,800	11,000	11,800	47,300
Federal Grant	1,268,004	333,704	122,400	83,200	84,900	86,600	88,300	90,100	378,800
State Grant	142,561	26,261	15,300	10,400	10,600	10,800	11,100	10,700	47,400
Total Funding	1,553,926	386,126	153,000	104,000	106,100	108,200	110,400	112,600	473,500

Water and Sewer



Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2014 - 2023

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Future
Project Costs										
Water Quality										
210	Contingency - Utility Admin	410,400	182,600	0	0	26,500	27,100	27,600	28,200	118,400
211	General Building Improvements	1,238,400	101,000	0	0	0	0	0	563,100	574,300
212	Laboratory Rehabilitation of Ventilation System	276,000	0	0	0	0	0	276,000	0	0
213	WQ Equipment and Vehicle Replacement Program	1,046,500	102,000	70,000	77,900	132,100	0	32,500	121,400	510,600
214	Contingency - Sewer	585,939	78,539	0	52,000	53,100	54,100	55,200	56,300	236,700
215	Smithsburg WwTP - Facility Improvements	15,559,370	3,011,670	2,242,300	4,345,100	0	5,960,300	0	0	0
216	Pump Station Upgrades - Various Stations	1,855,500	783,700	0	0	530,600	541,200	0	0	0
217	Winebrenner Wastewater Treatment Plant Upgrade	15,700,200	14,000,200	1,700,000	0	0	0	0	0	0
218	Replace PO 2 Pump Station	1,273,400	0	0	1,273,400	0	0	0	0	0
219	Potomac Edison Pump Station & Force Main Relocation	1,576,800	0	0	0	0	1,576,800	0	0	0
220	Antietam WwTP - Facility Improvements	1,100,200	70,000	510,000	520,200	0	0	0	0	0
221	Roof replacement at Conococheague WwTP	212,200	0	0	0	212,200	0	0	0	0
222	General WwTP Improvements	318,400	0	0	0	318,400	0	0	0	0
223	Collection System Rehabilitation Project	2,581,000	0	0	0	0	0	828,100	844,600	908,300
224	Conococheague WwTP Improvement	896,300	0	0	0	0	0	0	0	896,300
225	Sandy Hook WwTP	836,600	0	0	0	0	0	0	0	836,600
226	Heavy Sewer Equipment and Specialized Sewer Vehicle Replacement	494,700	0	60,000	63,200	10,400	138,000	108,200	22,100	92,800
227	Contingency - Water	406,600	154,800	0	0	26,500	27,100	30,100	31,300	136,800
228	WQ Water Main and Meter Replacement	1,241,200	101,000	102,000	104,000	0	324,700	0	0	609,500
229	Sandy Hook Water Treatment Plant Upgrade/Replace Equipment	112,600	0	0	0	0	0	0	112,600	0
230	General Water Treatment Plant Improvements	496,800	101,000	51,000	0	110,500	0	0	0	234,300
231	Sharpsburg Water Treatment Plant	220,800	0	0	0	0	0	220,800	0	0
232	Mt Aetna Water System Improvements	585,800	0	0	0	0	0	0	0	585,800
233	Highfield and Sharpsburg Water Storage Tank Rehab	358,500	0	0	0	0	0	0	0	358,500
Water Quality Total		49,384,209	18,686,509	4,735,300	6,435,800	1,420,300	8,649,300	1,578,500	1,779,600	6,098,900
Funding Sources										
Utility Admin Fund		1,481,400	309,100	70,000	77,900	158,600	27,100	60,100	149,600	629,000
Water Fund		1,170,300	382,300	153,000	104,000	26,500	306,300	30,100	31,300	136,800
Sewer Fund		2,445,309	1,443,209	60,000	115,200	63,500	192,100	163,400	78,400	329,500
Tax Supported Bond		333,100	333,100	0	0	0	0	0	0	0
Self Supported Bond		29,908,600	9,568,500	4,120,000	532,500	1,171,700	6,667,100	1,324,900	1,520,300	5,003,600
State Grant		11,737,700	6,650,300	332,300	4,345,100	0	410,000	0	0	0
Contributions		2,307,800	0	0	1,261,100	0	1,046,700	0	0	0
		49,384,209	18,686,509	4,735,300	6,435,800	1,420,300	8,649,300	1,578,500	1,779,600	6,098,900

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Other	410,400	182,600	0	0	26,500	27,100	27,600	28,200	118,400
Total Cost	410,400	182,600	0	0	26,500	27,100	27,600	28,200	118,400

Funding Sources:

Utility Admin Fund	410,400	182,600	0	0	26,500	27,100	27,600	28,200	118,400
Total Funding	410,400	182,600	0	0	26,500	27,100	27,600	28,200	118,400

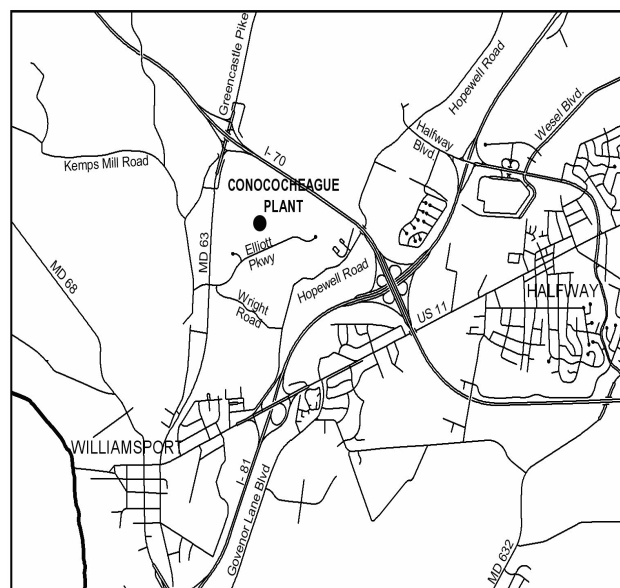
Project Title: General Building Improvements

Project Number: 113

Account Number: BLD073

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	1,238,400	101,000	0	0	0	0	0	563,100	574,300
Total Cost	1,238,400	101,000	0	0	0	0	0	563,100	574,300

Funding Sources:

Utility Admin Fund	101,000	101,000	0	0	0	0	0	0	0
Self Supported Bond	1,137,400	0	0	0	0	0	0	563,100	574,300
Total Funding	1,238,400	101,000	0	0	0	0	0	563,100	574,300

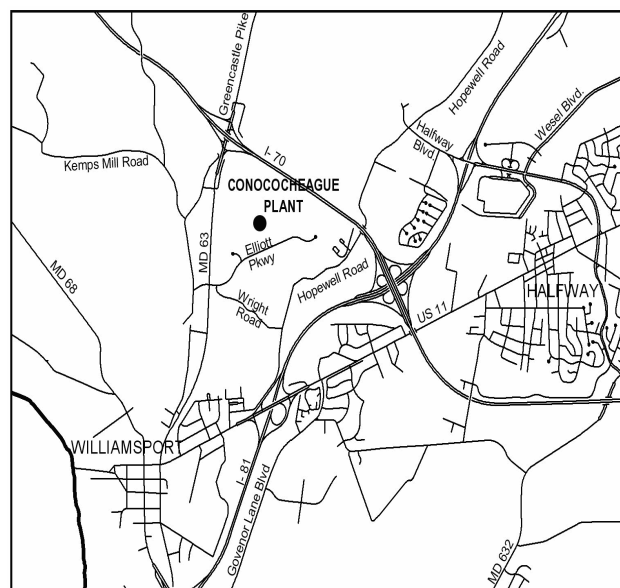
Project Title: Laboratory Rehabilitation of Ventilation System

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	276,000	0	0	0	0	0	276,000	0	0
Total Cost	276,000	0	0	0	0	0	276,000	0	0

Funding Sources:

Self Supported Bond	276,000	0	0	0	0	0	276,000	0	0
Total Funding	276,000	0	0	0	0	0	276,000	0	0

Project Title: WQ Equipment and Vehicle Replacement Program

Project Number: 1175

Account Number: VEH007

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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, 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	321,500	0	17,000	0	132,100	0	0	33,100	139,300
Vehicles	725,000	102,000	53,000	77,900	0	0	32,500	88,300	371,300
Total Cost	1,046,500	102,000	70,000	77,900	132,100	0	32,500	121,400	510,600

Funding Sources:

Utility Admin Fund	970,000	25,500	70,000	77,900	132,100	0	32,500	121,400	510,600
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
Total Funding	1,046,500	102,000	70,000	77,900	132,100	0	32,500	121,400	510,600

Project Title: Contingency - Sewer

Project Number: 114

Account Number: ADM008

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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.

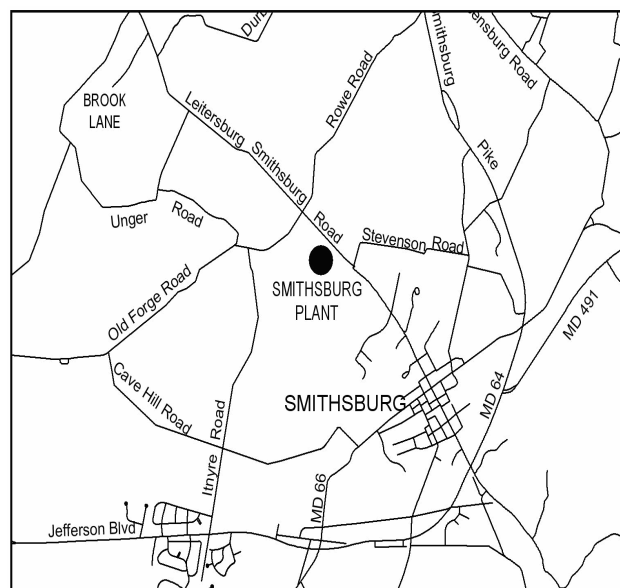
10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Other	585,939	78,539	0	52,000	53,100	54,100	55,200	56,300	236,700
Total Cost	585,939	78,539	0	52,000	53,100	54,100	55,200	56,300	236,700

Funding Sources:

Sewer Fund	585,939	78,539	0	52,000	53,100	54,100	55,200	56,300	236,700
Total Funding	585,939	78,539	0	52,000	53,100	54,100	55,200	56,300	236,700

Project Title: Smithsburg WwTP - Facility Improvements**Project Number:** 115**Account Number:** TRP021**Projected Annual FTE's:** 0**Projected Operating Costs:** \$10,000**Description:**

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

Upgrade is required to meet MDE's ENR strategy and to prepare for anticipated development in the area.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	435,470	435,470	0	0	0	0	0	0	0
Construction	15,123,900	2,576,200	2,242,300	4,345,100	0	5,960,300	0	0	0
Total Cost	15,559,370	3,011,670	2,242,300	4,345,100	0	5,960,300	0	0	0

Funding Sources:

Tax Supported Bond	68,000	68,000	0	0	0	0	0	0	0
Self Supported Bond	10,813,970	2,943,670	1,910,000	0	0	5,960,300	0	0	0
State Grant	4,677,400	0	332,300	4,345,100	0	0	0	0	0
Total Funding	15,559,370	3,011,670	2,242,300	4,345,100	0	5,960,300	0	0	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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	1,855,500	783,700	0	0	530,600	541,200	0	0	0
Total Cost	1,855,500	783,700	0	0	530,600	541,200	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	1,085,800	14,000	0	0	530,600	541,200	0	0	0
Total Funding	1,855,500	783,700	0	0	530,600	541,200	0	0	0

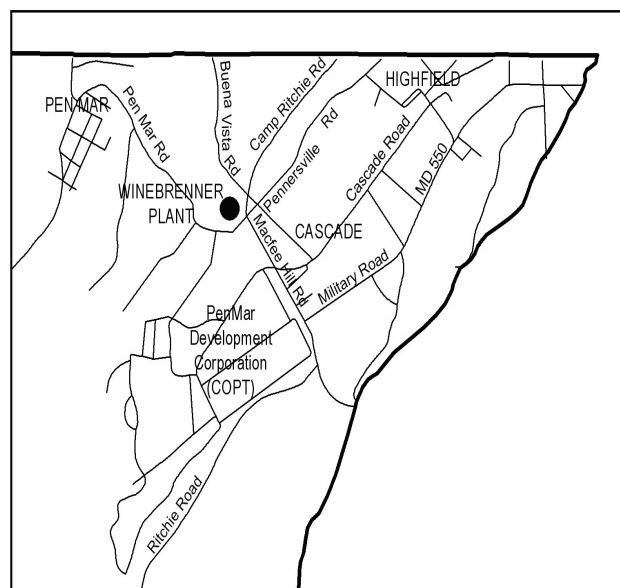
Project Title: Winebrenner Wastewater Treatment Plant Upgrade

Project Number: 119

Account Number: TRP016

Projected Annual FTE's: 0

Projected Operating Costs: \$10,000



Description:

Upgrade facility to comply with Maryland Department of the Environment's (MDE) Enhanced Nutrient Removal (ENR) strategy and improve operational efficiency.

Assumptions & Justifications:

Upgrade is required to address aging equipment which will improve operational efficiency and reduce maintenance costs. Upgrade will also address requirements of MDE's ENR strategy.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	291,700	291,700	0	0	0	0	0	0	0
Construction	15,408,500	13,708,500	1,700,000	0	0	0	0	0	0
Total Cost	15,700,200	14,000,200	1,700,000	0	0	0	0	0	0

Funding Sources:

Sewer Fund	509,970	509,970	0	0	0	0	0	0	0
Tax Supported Bond	229,100	229,100	0	0	0	0	0	0	0
Self Supported Bond	8,310,830	6,610,830	1,700,000	0	0	0	0	0	0
State Grant	6,650,300	6,650,300	0	0	0	0	0	0	0
Total Funding	15,700,200	14,000,200	1,700,000	0	0	0	0	0	0

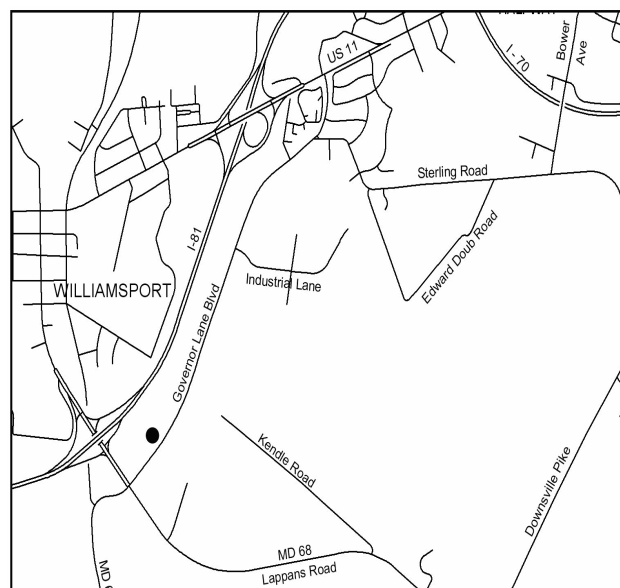
Project Title: Replace PO 2 Pump Station

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	1,273,400	0	0	1,273,400	0	0	0	0	0
Total Cost	1,273,400	0	0	1,273,400	0	0	0	0	0

Funding Sources:

Self Supported Bond	12,300	0	0	12,300	0	0	0	0	0
Contributions	1,261,100	0	0	1,261,100	0	0	0	0	0
Total Funding	1,273,400	0	0	1,273,400	0	0	0	0	0

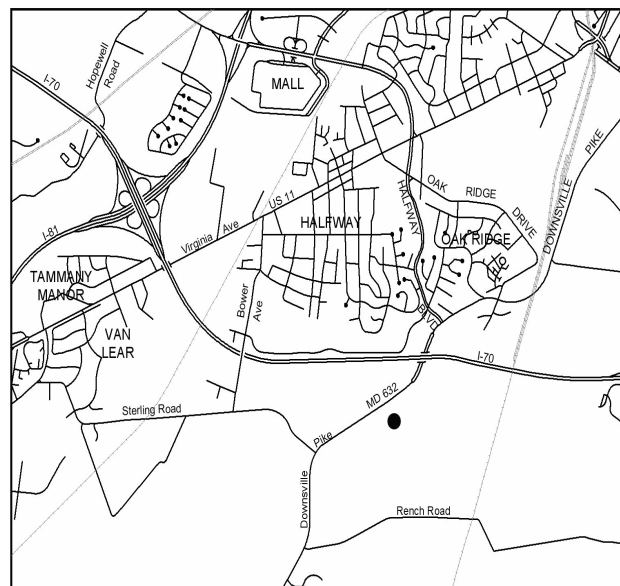
Project Title: Potomac Edison Pump Station & Force Main Relocation

Project Number: 121

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	1,576,800	0	0	0	0	1,576,800	0	0	0
Total Cost	1,576,800	0	0	0	0	1,576,800	0	0	0

Funding Sources:

Self Supported Bond	120,100	0	0	0	0	120,100	0	0	0
State Grant	410,000	0	0	0	0	410,000	0	0	0
Contributions	1,046,700	0	0	0	0	1,046,700	0	0	0
Total Funding	1,576,800	0	0	0	0	1,576,800	0	0	0

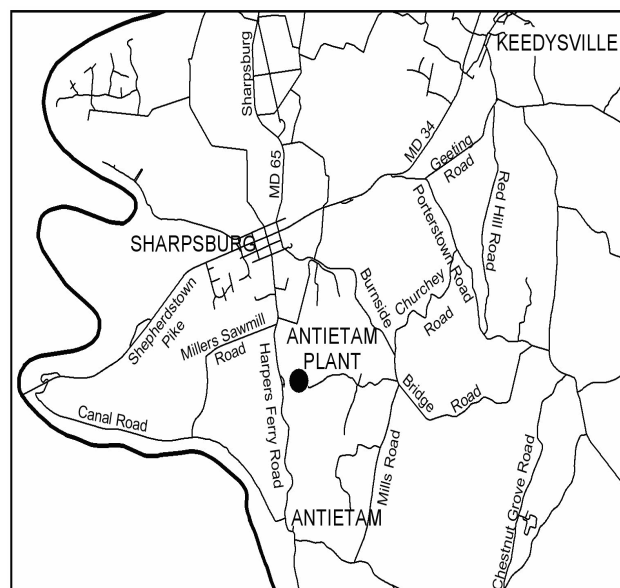
Project Title: Antietam WwTP - Facility Improvements

Project Number: 122

Account Number: TRP017

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Upgrade the facility to meet current and future EPA and MDE permit requirements.

Assumptions & Justifications:

Upgrade the facility to address deteriorating conditions of the infrastructure due to aging.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	70,000	70,000	0	0	0	0	0	0	0
Construction	1,030,200	0	510,000	520,200	0	0	0	0	0
Total Cost	1,100,200	70,000	510,000	520,200	0	0	0	0	0

Funding Sources:

Sewer Fund	70,000	70,000	0	0	0	0	0	0	0
Self Supported Bond	1,030,200	0	510,000	520,200	0	0	0	0	0
Total Funding	1,100,200	70,000	510,000	520,200	0	0	0	0	0

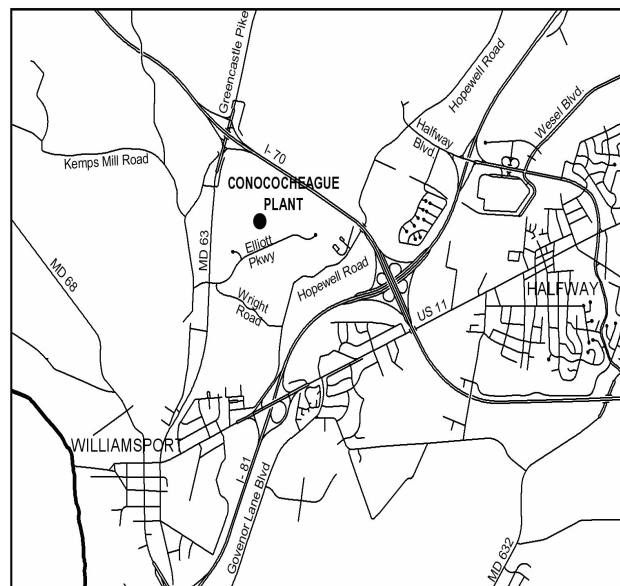
Project Title: Roof replacement at Conococheague WwTP

Project Number: 1077

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project involves 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	212,200	0	0	0	212,200	0	0	0	0
Total Cost	212,200	0	0	0	212,200	0	0	0	0

Funding Sources:

Self Supported Bond	212,200	0	0	0	212,200	0	0	0	0
Total Funding	212,200	0	0	0	212,200	0	0	0	0

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	318,400	0	0	0	318,400	0	0	0	0
Total Cost	318,400	0	0	0	318,400	0	0	0	0

Funding Sources:

Self Supported Bond	318,400	0	0	0	318,400	0	0	0	0
Total Funding	318,400	0	0	0	318,400	0	0	0	0

Project Title: Collection System Rehabilitation Project

Project Number: 1159

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	2,581,000	0	0	0	0	0	828,100	844,600	908,300
Total Cost	2,581,000	0	0	0	0	0	828,100	844,600	908,300

Funding Sources:

Self Supported Bond	2,581,000	0	0	0	0	0	828,100	844,600	908,300
Total Funding	2,581,000	0	0	0	0	0	828,100	844,600	908,300

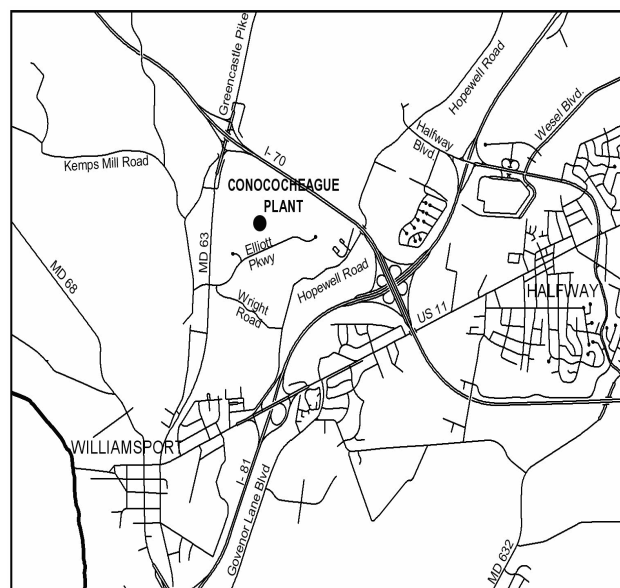
Project Title: Conococheague WwTP Improvement

Project Number: 1171

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project includes upgrades to equipment not addressed in ENR upgrade.

Assumptions & Justifications:

Equipment that was not upgraded or requiring upgrades as part of the ENR project will be reaching the manufacturer's useful life estimate and will require upgrade or replacement.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	896,300	0	0	0	0	0	0	0	896,300
Total Cost	896,300	0	0	0	0	0	0	0	896,300

Funding Sources:

Self Supported Bond	896,300	0	0	0	0	0	0	0	896,300
Total Funding	896,300	0	0	0	0	0	0	0	896,300

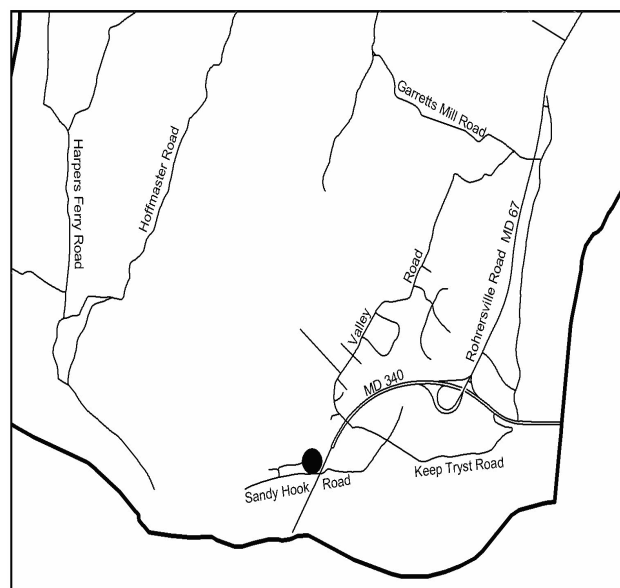
Project Title: Sandy Hook WwTP

Project Number: 1172

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Engineering/Design	119,500	0	0	0	0	0	0	0	119,500
Construction	717,100	0	0	0	0	0	0	0	717,100
Total Cost	836,600	0	0	0	0	0	0	0	836,600

Funding Sources:

Self Supported Bond	836,600	0	0	0	0	0	0	0	836,600
Total Funding	836,600	0	0	0	0	0	0	0	836,600

Project Title: Heavy Sewer EQP and Specialized VEH Replacement

Project Number: 1215

Account Number: VEH010

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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, 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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Equipment/Furniture	62,600	0	30,000	32,600	0	0	0	0	0
Vehicles	432,100	0	30,000	30,600	10,400	138,000	108,200	22,100	92,800
Total Cost	494,700	0	60,000	63,200	10,400	138,000	108,200	22,100	92,800

Funding Sources:

Sewer Fund	494,700	0	60,000	63,200	10,400	138,000	108,200	22,100	92,800
Total Funding	494,700	0	60,000	63,200	10,400	138,000	108,200	22,100	92,800

Project Title: Contingency - Water

Project Number: 126

Account Number: ADM007

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Other	406,600	154,800	0	0	26,500	27,100	30,100	31,300	136,800
Total Cost	406,600	154,800	0	0	26,500	27,100	30,100	31,300	136,800

Funding Sources:

Water Fund	406,600	154,800	0	0	26,500	27,100	30,100	31,300	136,800
Total Funding	406,600	154,800	0	0	26,500	27,100	30,100	31,300	136,800

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	1,241,200	101,000	102,000	104,000	0	324,700	0	0	609,500
Total Cost	1,241,200	101,000	102,000	104,000	0	324,700	0	0	609,500

Funding Sources:

Water Fund	586,200	101,000	102,000	104,000	0	279,200	0	0	0
Self Supported Bond	655,000	0	0	0	0	45,500	0	0	609,500
Total Funding	1,241,200	101,000	102,000	104,000	0	324,700	0	0	609,500

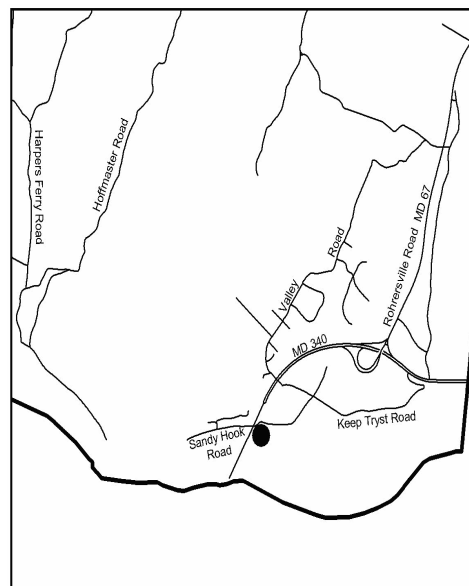
Project Title: Sandy Hook Water Treatment Plant EQP Upgrade

Project Number: 131

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will upgrade and replace water treatment equipment.

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	112,600	0	0	0	0	0	0	112,600	0
Total Cost	112,600	0	0	0	0	0	0	112,600	0

Funding Sources:

Self Supported Bond	112,600	0	0	0	0	0	0	112,600	0
Total Funding	112,600	0	0	0	0	0	0	112,600	0

Project Title: General Water Treatment Plant Improvements

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 high level of water quality, and address Federal and State regulations.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	496,800	101,000	51,000	0	110,500	0	0	0	234,300
Total Cost	496,800	101,000	51,000	0	110,500	0	0	0	234,300

Funding Sources:

Water Fund	152,000	101,000	51,000	0	0	0	0	0	0
Self Supported Bond	344,800	0	0	0	110,500	0	0	0	234,300
Total Funding	496,800	101,000	51,000	0	110,500	0	0	0	234,300

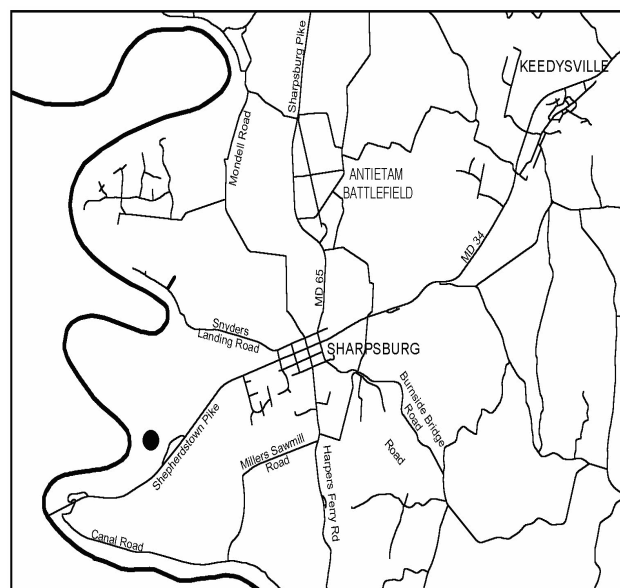
Project Title: Sharpsburg Water Treatment Plant

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	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	220,800	0	0	0	0	0	220,800	0	0
Total Cost	220,800	0	0	0	0	0	220,800	0	0

Funding Sources:

Self Supported Bond	220,800	0	0	0	0	0	220,800	0	0
Total Funding	220,800	0	0	0	0	0	220,800	0	0

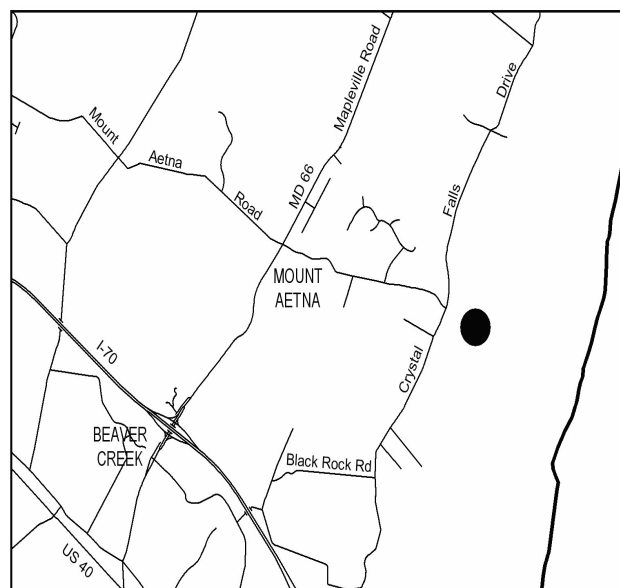
Project Title: Mt Aetna Water System Improvements

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 replacement and upgrade of aging infrastructure and manufacturer recommendations.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	585,800	0	0	0	0	0	0	0	585,800
Total Cost	585,800	0	0	0	0	0	0	0	585,800

Funding Sources:

Self Supported Bond	585,800	0	0	0	0	0	0	0	585,800
Total Funding	585,800	0	0	0	0	0	0	0	585,800

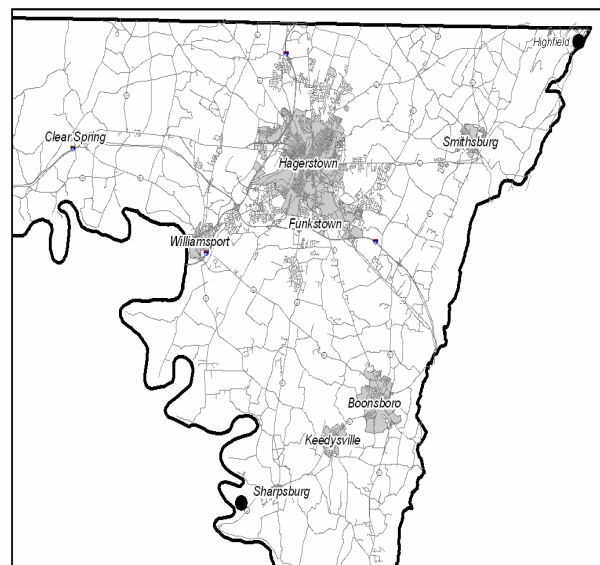
Project Title: Highfield and Sharpsburg Water Storage Tank Rehab

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 to continuation of operation.

10 year plan	Total	Prior Years	2014	2015	2016	2017	2018	2019	Future
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Project Costs:

Construction	358,500	0	0	0	0	0	0	0	358,500
Total Cost	358,500	0	0	0	0	0	0	0	358,500

Funding Sources:

Self Supported Bond	358,500	0	0	0	0	0	0	0	358,500
Total Funding	358,500	0	0	0	0	0	0	0	358,500

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