

**Washington County,
Maryland**

FY2013-2022

**Capital Improvement Plan
Fiscal Year 2013**

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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 a trade's instructor (carpentry) 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 from Mountain State University. 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), and is an affiliate member of the Williamsport Lions Club.



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):

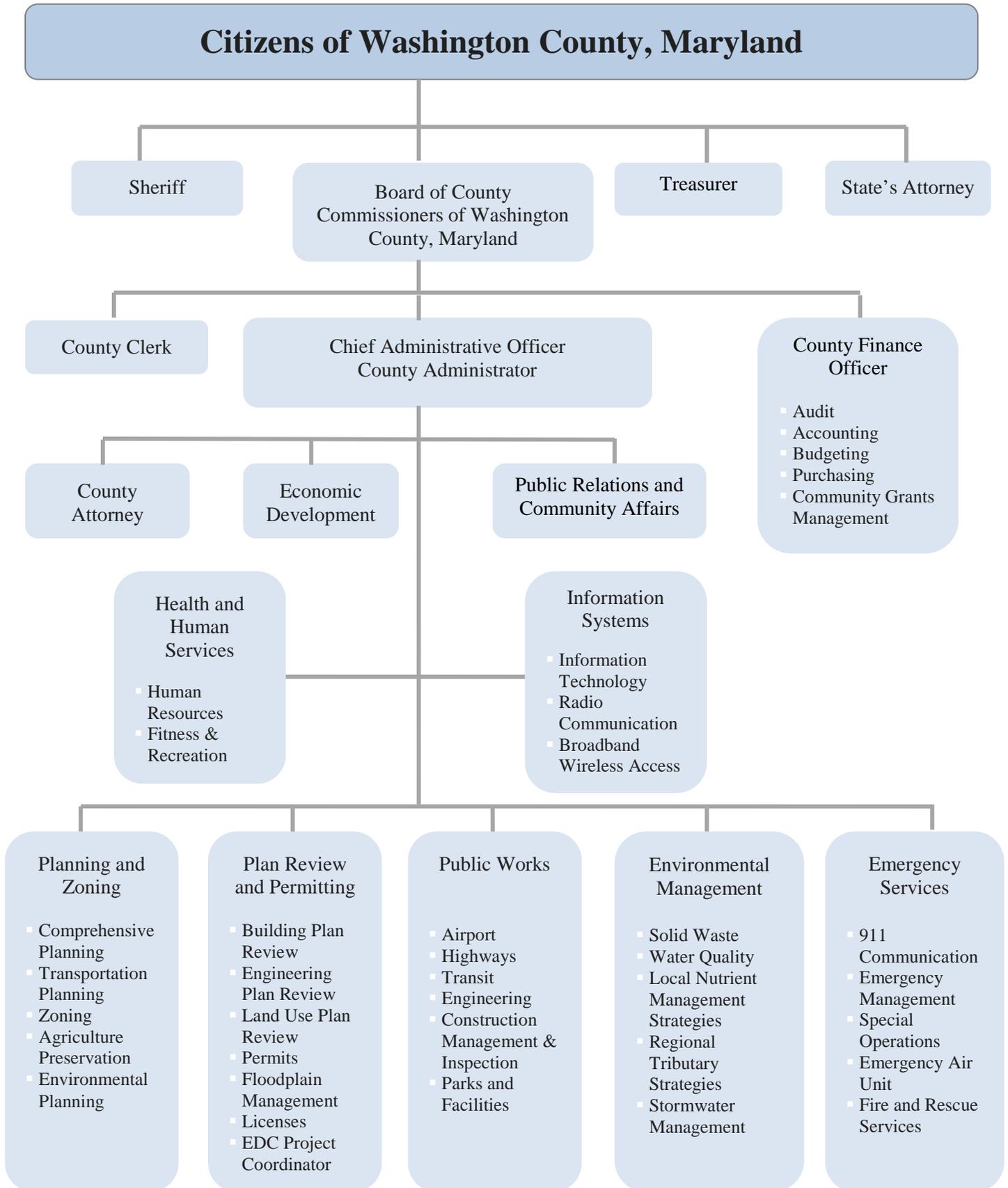
Supporting and strengthening individual and community self-reliance and responsibility;

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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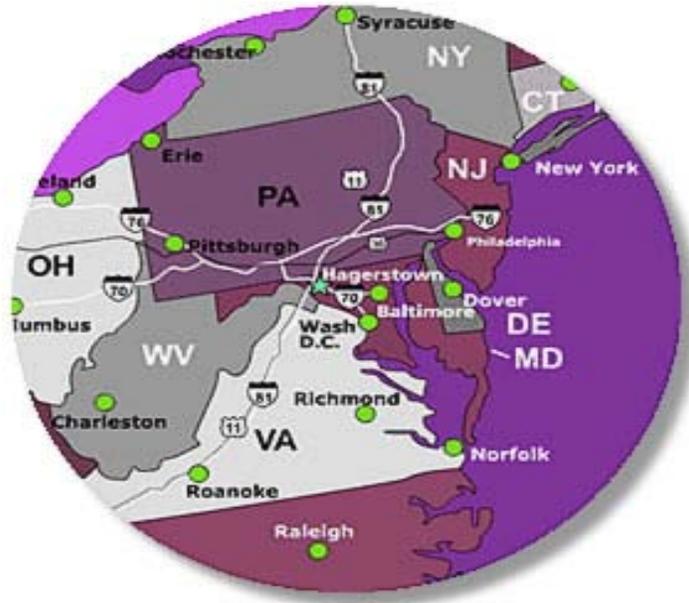


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Community Profile

Location

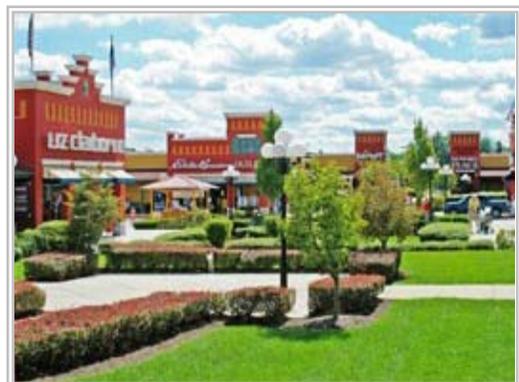
Washington County is situated in northwestern Maryland, bordered by Pennsylvania to the north and West Virginia to the south. It is bordered on the east by Frederick County, Maryland and on the west by Allegany County, Maryland. Washington County is approximately 460 square miles in area. The County 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 DC offer access to metropolitan culture and lifestyle. It's the best of both worlds.



Founded in 1776, the very year our country declared its independence, Washington County is laced with parks, monuments and museums that tell America's story spanning three centuries. Its thriving hub city, Hagerstown, founded in 1762, reaches into the future, offering residents the latest services, shopping and entertainment, from the acclaimed Maryland Symphony Orchestra to nightlife and festivals.

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.

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.

Transportation

A variety of transportation avenues are available in Washington County. Hagerstown Regional Airport is a Part 139 Facility which provides scheduled commercial service on Allegiant and Cape Air. The airfield also offers fixed base operation services to 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, intermodal container transfer, taxi, freight common carriers, and limousine service. The mainlines of CSX and Norfolk Southern provide economical shipment to anywhere on the Atlantic Seaboard and are both located within Washington County.

Health Care Services

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, opened in 2010, is an acute care hospital with 272-single patient rooms. Services offered include a regional trauma center, a cardiac catheterization lab, and a nationally recognized joint replacement program. State-of-the-art medical technologies at Meritus Medical Center include advanced 3T magnetic resonance imaging (MRI), single-photo-emission computed tomography (SPECT) scanners, and cardiac interventions. Hospital services that address outpatient needs include the John R. Marsh Cancer Center, Total Rehab Care, the Center for Clinical Research, and the Center for Bariatric Surgery.

Meritus Health provides complementary branches of care including primary care physicians practices, specialists in disciplines ranging from obstetrics to cardiology and satellite services including diagnostics and durable medical equipment.

The Environmental Health Division of the Health Department engages in food inspection, sanitation and water testing, rabies control, air quality investigation, outbreak investigation and other programs. The Nursing Division is responsible for maternal and child health programs, school health services, school-based health centers, communicable disease surveillance and control, tuberculosis control, refugee and migrant health services, reproductive health services, STD screening and treatment, HIV and AIDS services, immunizations, Maryland Children's Health Insurance Program,

cancer screening, vision screening, and other programs. The Health Services/Public Information Division provides community outreach programs, nutrition services including the federally funded WIC program, dental services, tobacco cessation classes, geriatric evaluation services, hearing screening, relay of public information and other services. The Division of Behavioral Health Services provides a comprehensive system of care, including prevention, intervention, referral and treatment services for substance use and mental health disorders in a variety of settings. The Administration Division, which includes Personnel, Information Technology, Health Officer Staff, and Office of Health Policy and Planning, provides management support for all programs. In addition, the Office of Health Policy and Planning coordinates planning for the agency, provides oversight for public health emergency preparedness planning, and ensures that all Health Department staff are prepared to respond to a natural disaster, man-made event, or public emergency affecting the health of the residents of Washington County and the general population.

The George W. Comstock Center for Public Health Research and Prevention is a facility of the Johns Hopkins Bloomberg School of Public Health and was established in 1962 as a joint enterprise of the Maryland Department of Health and Mental Hygiene and the Washington County Health Department. The center has expertise and capacity in the conduct of large community health surveys, as well as a close working relationship with the County Health Department. Funding, sponsored through research grants by the National Institute of Health as well as private foundations, supports 20 to 30 staff members in the Comstock Center. Research includes heart disease surveillance and epidemiology of cancer, heart disease, lung disease, diabetes, sleep and other conditions. Prevention research results are disseminated nationally and internationally primarily through numerous journal publications.

There are nine privately owned licensed nursing homes with more than 1,047 beds and one State-owned licensed nursing home with 63 beds in Washington County. In addition there are 26 privately owned senior-assisted living facilities with a total of 776 beds. Other medical facilities include the Western Maryland Center, a 123 bed State-owned, chronic care facility, and the Brook Lane Psychiatric Center, a privately-owned psychiatric facility. None of these facilities receives funds from the County.

Demographic Information

Population	
<u>Year</u>	<u>County Total</u>
1980	113,086
1990	121,393
2000	131,923
2010	147,430
2011 estimate	149,560
2015 projected	158,450
2020 projected	169,300

Population Statistics	
Age: 19 & under	25.1%
20-64 (workforce age)	60.4%
65 & older	14.5%
Median Age	40.0
Gender: Male	50.2%
Female	49.8%
Race: White	85.7%
Black	10.4%
Other	3.9%

Top 15 Employers in Washington County		
<u>Rank</u>	<u>Employer</u>	<u>Employment</u>
1	Washington County Public Schools	2,965
2	Meritus Health, Inc.	2,860
3	Citi	2,500
4	State of Maryland	2,305
5	First Data	2,214
6	Volvo Powertrain North America	1,391
7	Washington County Government	1,134
8	Hagerstown Community College	813
9	The Bowman Group, LLC	753
10	FedEx Ground	648
11	Federal Government	637
12	Staples Distribution Center	567
13	Merkle Response Services, Inc.	520
14	City of Hagerstown	461
15	Lehigh Phoenix/Sierra Nevada(tie)	417

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
8 Senior High Schools
1 Middle/Senior High School
1 Technical High School
1 Outdoor Education
1 Special Education
37 Private Schools
Teacher/Pupil Ratio: 1:23
Public Enrollment: 22,206

County Income	
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Per Capita Income	\$ 35,257
Median Household Income	\$ 52,857
Average Household Income	\$ 68,377
Median Family Income	\$ 65,432

County Employment Statistics	
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Civilian Labor Force	66,920
Employed	60,543
Unemployed	6,377
Unemployment Rate	9.50%
State Average	7.00%

County Water Quality Systems	
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	<u>Total # of Services</u>
Full Service Water	1,327
Full Service Sewer	6,768
Collection Service Sewer	3,497
Total	11,592

County Business Patterns	
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<u>Industry</u>	<u>Total # Establishments</u>
Services	1,218
Retail Trade	642
Construction	405
Other	400
Finance, Insurance, Real Estate	330
Wholesale Trade	160
Transportation/Warehousing	155
Manufacturing	125
Information	54
Utilities	5
Mining	2
Agricultural	1
Total	3,497

County Building Permits (000's)		
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	<u>Number</u>	
Residential New	159	\$ 26,941
Other Permits	1,632	\$ 57,509
Total	1,791	\$ 84,450

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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 development 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 annual 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 like increases in traffic accidents, injuries, and deaths.

3. Environmental Impact – This criterion includes health related impacts like sickness 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. It 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 is for 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. Taking into consideration if the project is continuing from the prior year, in which funding would be required, or if there is proposed self-supporting funds, or 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 measures the type of “bricks and mortar” spending that is proposed in the long-term capital plan. It places higher value 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 includes 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 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 Study, 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:

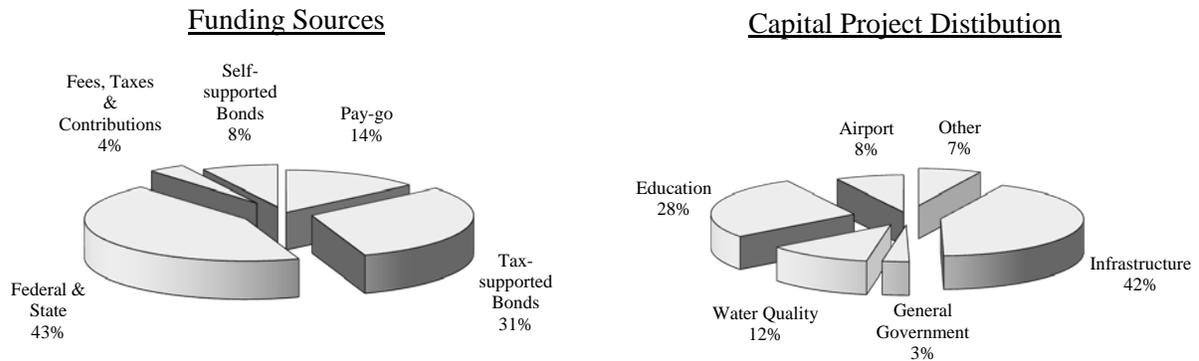
- Tax-supported Bonds are General Obligation Bonds secured by the full faith and credit of the issuer. General Obligation Bonds issued by the County are secured by a pledge of the County's property taxing power, and must be authorized by legislative authority. The amount to be issued in this fiscal year 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 2013 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 the 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 \$3 per sq foot (SF), and \$1.5 SF for additions to residential properties. Excise tax for nonresidential non-retail is assessed at \$1 SF and nonresidential retail at \$3 SF. 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 2013 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 2013 Overview



FY13 Capital Improvement Budget Overview

A graphic illustration of planned capital project distribution and funding sources for fiscal year 2013 is shown below. The fiscal year 2013 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, debt service, 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 2013 is approximately \$20.5 million.

The ten-year operating budget impact for major projects approved in the fiscal year 2013 Capital Budget are presented in the project detail schedule located in the next section. Operating cost include personnel, supplies, maintenance, debt service, 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 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 ten Maryland Counties that include Washington, 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
2008	842	1,302	1.13%	1.45%	5.93%	7.37%	.24%	.34%
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	867	1,650	1.02%	1.46%	6.67%	8.16%	.25%	.37%
2012 estimated	876	1,640	1.05%	1.41%	6.90%	8.52%	.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
2013	897	1,640	1.06%	1.41%	7.37%	8.52%	.27%	.38%
2014	916	1,640	1.07%	1.41%	7.51%	8.52%	.27%	.38%
2015	933	1,640	1.07%	1.41%	7.52%	8.52%	.27%	.38%
2016	950	1,640	1.08%	1.41%	7.42%	8.52%	.27%	.38%
2017	965	1,640	1.08%	1.41%	7.46%	8.52%	.27%	.38%
2018	980	1,640	1.08%	1.41%	7.27%	8.52%	.27%	.38%
2019	997	1,640	1.08%	1.41%	7.13%	8.52%	.26%	.38%
2020	1,008	1,640	1.08%	1.41%	7.34%	8.52%	.27%	.38%
2021	1,016	1,640	1.07%	1.41%	7.48%	8.52%	.28%	.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
2022	1,025	1,640	1.06%	1.41%	7.24%	8.52%	.27%	.38%
2023	1,031	1,640	1.05%	1.41%	7.36%	8.52%	.27%	.38%
2024	1,032	1,640	1.04%	1.41%	7.50%	8.52%	.28%	.38%
2025	1,030	1,640	1.02%	1.41%	7.59%	8.52%	.28%	.38%
2026	1,027	1,640	1.00%	1.41%	7.51%	8.52%	.28%	.38%
2027	1,022	1,640	.98%	1.41%	7.45%	8.52%	.28%	.38%
2028	1,013	1,640	.96%	1.41%	7.56%	8.52%	.28%	.38%
2029	1,012	1,640	.95%	1.41%	6.92%	8.52%	.26%	.38%
2030	1,010	1,640	.93%	1.41%	6.85%	8.52%	.26%	.38%
2031	1,002	1,640	.91%	1.41%	7.06%	8.52%	.27%	.38%
2032	994	1,640	.89%	1.41%	6.97%	8.52%	.27%	.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.

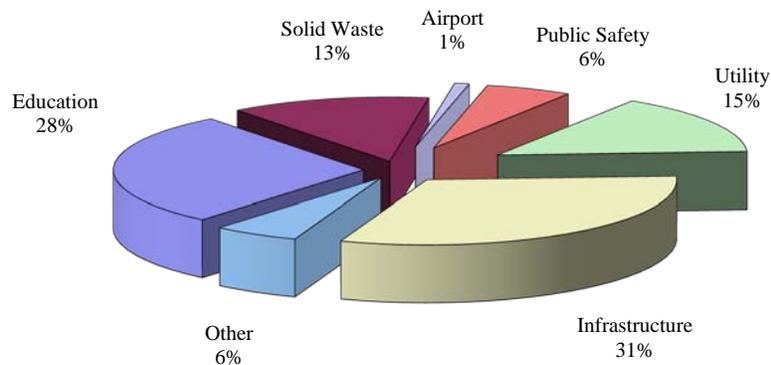
The estimated maximum debt capacity is not intended to be an absolute limit or a recommendation on the amount of debt that can be incurred. It should be used as a guide for better long-term financial planning and improving capital budgeting. Debt capacity estimates can assist long-term capital planning by showing the resources available to fund needed infrastructure. 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, 2012 by project category:

Percentage of Debt Outstanding by Project Category



The table on the following page shows the current outstanding balance at June 30, 2012 and the estimated impact of debt service on the Operating Budget for FY 2013.

Current Debt Balance and FY 2013 Principal and Interest Costs

Description	Current Balance	FY 2013 Principal	FY 2013 Interest	Total Debt Service
General Fund:				
2002 Public Improvement Bonds	\$ 496,344	\$ 496,348	\$ 24,821	\$ 521,169
2002 Public Improvement & Refunding Bonds	2,769,440	1,329,698	126,803	1,456,501
2003 Public Improvement Bonds	345,756	345,756	13,399	359,155
2003A Public Improvement & Refunding Bonds	2,446,281	1,001,901	88,901	1,090,802
2005 Public Improvement & Refunding Bonds	19,184,115	2,539,431	767,365	3,306,796
2006 Public Facilities Bonds	8,120,000	435,000	338,456	773,456
2007 Public Improvement Bonds	11,451,211	510,881	475,820	986,701
2008 Public Improvement Bonds	13,148,234	591,982	526,697	1,118,679
2009 Public Improvement & Refunding Bonds	12,382,615	827,185	423,264	1,250,449
2010 Ser A Public Improvement Bonds	4,566,901	455,734	111,253	566,987
2010 Ser B Build America Bonds	6,957,113	0	226,879	226,879
2010 Refunding Bonds	10,403,874	472,024	293,542	765,566
2011 Public Improvement Bonds	10,949,900	409,559	404,349	813,908
2012 Public Improvement Bonds	12,068,100	0	204,156	204,156
2012 Refunding Bonds	6,098,320	64,910	129,617	194,527
MD Water Quality Solid Waste Refinancing	1,722,238	33,357	17,222	50,579
MD Water Quality Resh Capping Ph 1	4,023,648	249,964	40,236	290,200
Total General Fund Existing Debt	\$ 127,134,090	\$ 9,763,730	\$ 4,212,780	\$ 13,976,510
2013 Planned Debt:				
2013 Public Improvement Bonds	14,000,000	0	0	0
Total General Fund Debt	\$ 141,134,090	\$ 9,763,730	\$ 4,212,780	\$ 13,976,510
Highway:				
2008 Public Improvement Bonds	\$ 2,538,346	\$ 114,290	\$ 101,680	\$ 215,970
Total Highway Existing Debt	\$ 2,538,346	\$ 109,020	\$ 105,230	\$ 214,250
Solid Waste:				
2002 Public Improvement Bonds	\$ 3,656	\$ 3,665	\$ 179	\$ 3,844
2002 Public Improvement & Refunding Bonds	250,560	120,302	11,472	131,774
2003 Public Improvement Bonds	4,244	4,244	164	4,408
2003A Public Improvement & Refunding Bonds	218,719	103,100	7,948	111,048
2005 Public Improvement & Refunding Bonds	570,885	75,569	22,835	98,404
2007 Public Improvement Bonds	2,333,789	104,119	96,974	201,093
2009 Public Improvement Bonds	2,677,675	257,032	89,122	346,154
2010 Ser A Public Improvement Bonds	1,807,755	180,397	44,038	224,435
2010 Ser B Build America Bonds	2,753,894	0	89,807	89,807
2010 Refunding Bonds	3,256,126	317,976	88,558	406,534
2011 Public Improvement Bonds	3,220,100	120,441	118,909	239,350
2012 Refunding Bonds	40,020	420	800	1,220
MD Water Quality Solid Waste Refinancing	4,731,523	91,643	47,315	138,958
MD Water Quality 40 West Cell 3	1,748,954	129,592	19,239	148,831
Total Solid Waste Fund Debt	\$ 23,617,900	\$ 1,508,500	\$ 637,360	\$ 2,145,860

Current Debt Balance and FY 2013 Principal and Interest Costs

Description	Current Balance	FY 2013 Principal	FY 2013 Interest	Total Debt Service
Airport				
2003A Public Improvement & Refunding Bonds	\$ 120,000	\$ 40,000	\$ 4,360	\$ 44,360
2012 Refunding Bonds	1,601,660	209,670	29,260	238,930
Total Airport Existing Debt	\$ 1,721,660	\$ 249,670	\$ 33,620	\$ 283,290
Water Quality:				
1996 Series A Project & Refunding Bonds	\$ 4,756,653	\$ 524,556	\$ 825,444	\$ 1,350,000
2008 Public Improvement Bonds	1,193,420	53,732	47,805	101,537
2009 Public Improvement & Refunding Bonds	3,289,710	145,783	114,727	260,510
2010 Ser A Public Improvement Bonds	790,344	78,869	19,253	98,122
2010 Ser B Build America Bonds	1,203,993	0	39,264	39,264
2012 Public Improvement Bonds	5,696,900	0	96,367	96,367
MD Water Quality Series 93A	153,077	75,299	5,039	80,338
MD Water Quality Series BNR	1,762,019	182,841	29,954	212,795
MD Water Quality Cono. Refunding 2004	3,425,000	1,200,000	13,700	1,213,700
MD Water Quality Pretreatment Refunding 2004	4,726,063	405,000	18,904	423,904
MD Water Quality Halfway I & I	430,269	26,730	4,303	31,033
Total Water Quality Existing Debt	\$ 27,427,448	\$ 2,692,810	\$ 1,214,760	\$ 3,907,570
2013 Planned Debt:				
2013 Public Improvement Bonds	3,460,020	0	0	0
Total Water Quality Debt	\$ 30,887,468	\$ 2,692,810	\$ 1,214,760	\$ 3,907,570
Total Existing and 2013 Planned Debt	\$ 199,899,464	\$ 14,323,730	\$ 6,203,750	\$ 20,527,480

Bonded Limit Summary as of June 30, 2012

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, 2012 the unused authorization available for issuance of general obligation bonds was \$27,837,722.

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, 2012	
Assessed Value of Property in Washington County	\$ 13,282,950,000
Debt Limit: % of Assessed Value	10%
Water Quality Borrowing Limitation	1,328,295,000
Water Quality Debt	27,427,448
Debt Margin	1,300,867,552
Ratio of Water Quality Debt to Assessed Value	.21%

*Combined Statement of Revenues, Expenditures, and Changes in Undesignated Fund Balance
Summary By Year – Capital Improvement Fund*

Description	Fiscal Year		
	2011 Actual	2012 Budget	2013 Budget
Revenue (By Major Type):			
Fees	\$ 1,849,769	\$ 988,400	\$ 1,338,000
Grants	10,646,364	19,021,700	19,940,500
Other	2,472,873	4,158,100	319,000
Bonds	14,609,781	19,246,600	17,460,200
Subtotal	29,578,787	43,414,800	39,057,700
Transfers	5,359,391	3,943,400	2,743,200
Capital Reserves		2,103,000	3,521,580
Total Revenue	34,938,178	49,461,200	45,322,480
Expenditures (By Function):			
Education	24,161,929	17,956,700	12,567,400
Public Safety	5,275,713	236,600	716,000
Court System	11,582	0	0
General Government	659,957	2,645,700	1,373,400
Parks and Recreation	290,136	350,000	606,780
Water Quality	1,004,034	11,236,400	5,392,600
Roads/Infrastructure	10,058,618	13,906,100	19,282,500
Solid Waste	914,381	1,531,400	891,400
Transit System	2,013,739	151,500	1,008,600
Airport	2,155,772	1,446,800	3,483,800
Total Expenditures	46,545,861	49,461,200	45,322,480
Increase (Decrease) in Fund Balance	-11,607,683	0	0
GAAP Basis Adjustments	-2,147,413	0	0
Beginning Fund Balance/Net Equity	85,579,828	71,824,732	71,824,732
Ending Fund Balance/Net Equity	\$ 71,824,732	\$ 71,824,732	\$ 71,824,732

Project Detail of Major Projects – Fiscal Year 2013

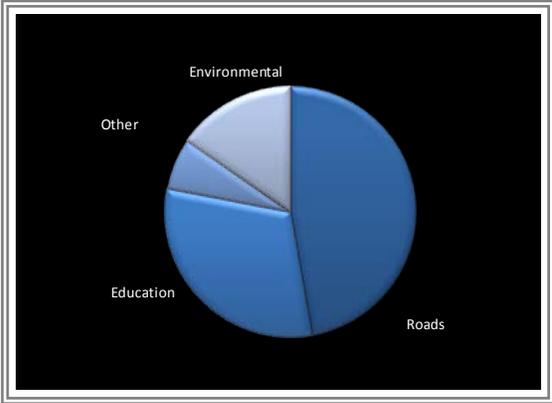
Project Name	Project Description	Project Budget	Operating Impact
Capital Equipment - Airport	Replace airport crash truck (AP14). Existing equipment has reached the end of its useful life.	\$ 757,500	\$ 400
Terminal Modification	Hold room and baggage claim expansion; additional restrooms in hold room; relocation of existing administrative offices. Approximately 5,000 square foot addition to the east end of the Terminal.	2,525,000	15,000
Leiters Mill Road Bridge W2292	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. Repair consist of concrete fill, traffic barrier upgrades, scour repair, riprap placement, and repainting the stone masonry. Bridge Sufficiency Rating is 30.7 out of a maximum possible score of 100.	995,900	-
Garis Shop Road Bridge W4021	Bridge is located in the 10000 Block of Garis Shop Road (ADC Map 26, Grid F-2) - 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 repainting. Bridge Sufficiency Rating is 40.1 out of a maximum possible score of 100.	1,349,300	-
Old Roxbury Road Bridge W5372	This project is located in the 19700 Block of Old Roxbury Road (ADC Map 26, Grid K-8) - Road realignment to eliminate bridge and reduce or eliminate road flooding. Project may be influenced by possible historical concerns. Bridge Sufficiency Rating is 13.7 out of a maximum possible score of 100.	681,400	-
Poffenberger Road Bridge W4011	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.	529,300	-
Poffenberger Road Bridge W4012	This project is located 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.	1,097,900	-

Project Name	Project Description	Project Budget	Operating Impact
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.	\$ 505,000	\$ -
Ruth Ann Monroe Primary (New School)	New school construction of an 81,000 square foot primary school building to house pre-kindergarten through second grade. The school will be sistered with Eastern Elementary which will house third through fifth grade. Plans include an expanded gymnasium in partnership with the Buildings, Grounds, and Parks Department.	2,878,500	460,300
Bester Elementary (Replacement School)	Construct a new 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. Portions of the existing school building will be demolished to make room for appropriate drives and play fields. Plans include an expanded gymnasium for community use in partnership with the Buildings, Grounds, and Parks Department.	7,937,000	707,600
ARCC Roof Replacement	Replace roof on the ARCC building.	705,500	18,200
Fuel Center Replacement – Central Section Highway Maintenance Facility	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.	525,000	41,200
Pavement Maintenance and Rehabilitation Program	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.	3,206,800	-

Project Name	Project Description	Project Budget	Operating Impact
Robinwood Corridor II	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.	\$ 2,325,700	\$ -
Shawley Drive	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 sidewalk on one side.	2,074,100	-
Eastern Boulevard Widening Phase - 1	Widen Eastern Boulevard from MD Rt. 64 (Jefferson Boulevard) to Security Road from the existing 2-lane roadway to a 4-lane divided roadway. This project includes drainage improvements and traffic signal modifications.	505,000	-
Transportation ADA	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.	592,300	-
Yale Drive Extended – Phase II	Project involves the expansion of Yale Drive Extended - Phase I (Project RDI053) from a 2-lane road to a 4-lane roadway with a grass median. Road length is approximately 4,600 linear feet.	795,000	-
Yale Drive Extended – Phase I	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.	2,014,000	-
City/County Leachate Upgrades	Upgrade the existing leachate pump stations and storage tanks at the City/County landfill.	641,400	-
Transit – Buses	Replace three (3) fixed-route transit buses. Units 646 - 648 will become 713 - 715.	506,600	-
Pump Station Upgrades	General upgrades including electrical/equipment upgrades.	\$ 733,700	\$ (1,500)

Project Name	Project Description	Project Budget	Operating Impact
Winebrenner Wastewater Treatment Plant Upgrade	Upgrade facility to comply with Maryland Department or the Environment's (MDE) Enhanced Nutrient Removal (ENR) strategy and improve operational efficiency.	3,799,400	69,700
Smithsburg Wastewater Treatment Plant – Facility Improvements	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 area.	505,000	86,600

Ten Year Summary

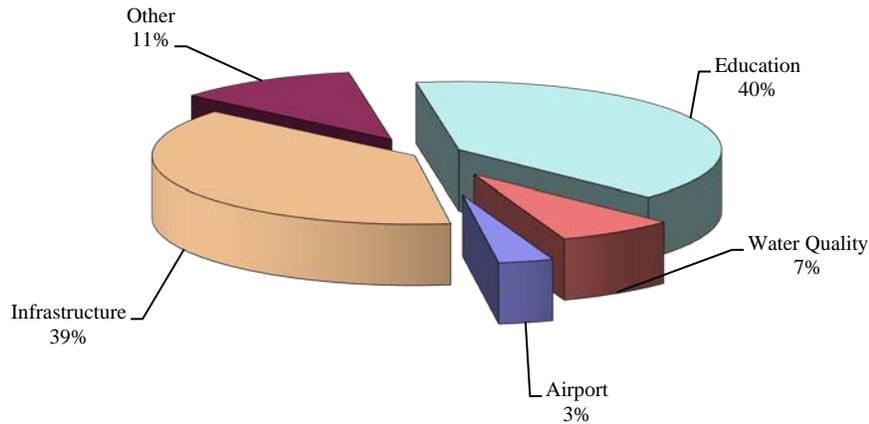


Ten Year
Summary

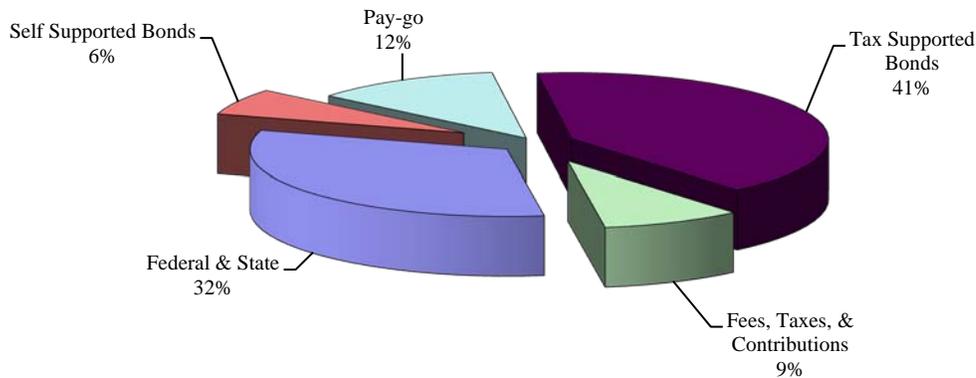
Ten Year Capital Improvement Plan Summary

The following graphs illustrate the projects by category and the funding sources that are currently scheduled for FY 2013 thru FY 2022. 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 \$449,343,420.

Capital Improvement Plan for FY2013 thru FY2022



Funding Sources for FY2013 thru FY2022



Washington County, Maryland
Capital Improvement 10yr Condensed
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								FY 2019	
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	- 2022	
	Project Cost										
	Airport	16,359,980	1,221,800	3,483,800	122,400	2,292,400	3,949,100	189,200	221,480	4,879,800	
	Bridges	21,585,977	3,082,077	6,184,200	783,400	795,200	3,717,800	1,308,500	1,647,200	4,067,600	
	Drainage	14,619,800	432,000	485,400	1,189,000	1,273,100	869,500	920,300	2,293,500	7,157,000	
	Education	202,647,400	23,788,100	12,567,400	12,873,400	15,648,200	17,571,700	13,859,100	15,476,100	90,863,400	
	General Government	15,884,100	866,300	1,373,400	3,376,400	1,797,100	228,500	782,200	937,700	6,522,500	
	Parks & Recreation	6,036,480	12,000	606,780	169,200	242,300	236,900	333,000	525,600	3,910,700	
	Public Safety	13,504,100	236,600	716,000	241,000	206,100	414,200	210,200	317,400	11,162,600	
	Railroad Crossings	1,499,900	0	134,000	0	1,365,900	0	0	0	0	
	Road Improvement	176,799,983	38,447,983	12,478,900	8,471,500	9,014,400	10,855,800	12,578,500	14,909,400	70,043,500	
	Solid Waste	10,083,300	770,700	891,400	193,800	1,884,600	52,000	52,600	265,400	5,972,800	
	Transit	7,594,739	963,939	1,008,600	170,300	176,100	208,200	105,100	181,600	4,780,900	
	Water Quality	45,602,630	13,053,470	5,392,600	4,743,760	12,190,700	1,253,000	2,482,200	1,402,100	5,084,800	
	TOTAL	532,218,389	82,874,969	45,322,480	32,334,160	46,886,100	39,356,700	32,820,900	38,177,480	214,445,600	
	Funding Sources										
	General Fund	49,372,495	13,457,495	1,715,000	3,400,000	3,500,000	3,600,000	3,700,000	3,800,000	16,200,000	
	Highway Fund	5,518,900	0	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000	
	Hotel Rental Fund	773,700	0	373,700	400,000	0	0	0	0	0	
	Solid Waste Fund	1,150,128	672,328	0	51,000	51,500	52,000	52,600	53,100	217,600	
	Utility Admin Fund	431,300	51,000	126,500	26,000	26,500	27,100	27,600	28,200	118,400	
	Water Fund	729,700	101,500	177,000	77,000	26,500	27,100	27,600	56,300	236,700	
	Sewer Fund	3,258,800	1,606,700	51,000	52,000	53,100	54,100	55,200	56,300	1,330,400	
	Tax Supported Bond	207,226,431	22,879,951	14,000,000	14,000,000	14,000,000	15,000,000	15,000,000	15,997,680	96,348,800	
	Self Supported Bond	34,750,130	5,888,770	3,460,200	4,401,760	8,311,500	1,144,700	915,100	1,473,600	9,154,500	
	Transfer Tax	12,470,173	470,173	0	700,000	1,200,000	1,300,000	1,300,000	1,300,000	6,200,000	
	Excise Tax - Schools	15,056,200	3,348,200	1,150,000	575,000	708,000	842,000	1,108,000	1,375,000	5,950,000	
	Excise Tax - Roads	3,908,630	1,085,630	141,000	141,000	174,000	207,000	272,000	338,000	1,550,000	
	Excise Tax - Other	703,100	30,700	30,700	30,700	38,000	45,000	59,000	74,000	395,000	
	Excise Tax - Library	351,000	0	16,300	16,000	20,000	24,200	32,100	37,200	205,200	
	Excise Tax - Non-Residential	6,327,905	827,905	0	0	100,000	200,000	500,000	700,000	4,000,000	
	APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0	
	Capital Reserve - General	16,835,120	9,885,640	2,630,180	2,443,400	1,345,100	0	0	530,800	0	
	Capital Reserve - Airport	200,000	200,000	0	0	0	0	0	0	0	
	Capital Reserve - Solid Waste	891,400	0	891,400	0	0	0	0	0	0	
	Federal Grant	43,200,217	4,822,617	8,623,100	253,000	2,318,300	5,612,700	255,100	1,286,000	20,029,400	
	State Grant	122,443,561	17,412,261	11,317,400	5,258,300	13,238,600	10,500,500	7,891,800	9,827,500	46,997,200	
	Contributions	6,535,400	50,000	319,000	101,000	1,311,400	200,000	1,046,700	606,900	2,900,400	
	TOTAL	532,218,389	82,874,969	45,322,480	32,334,160	46,886,100	39,356,700	32,820,900	38,177,480	214,445,600	

Project Detail of Major Projects – Fiscal Years 2013-2022

Project Name	Project Description	Total Project Budget
Ruth Ann Monroe Primary (New School) Began in FY 2009	New school construction of an 81,000 square foot primary school building to house pre-kindergarten through second grade. The school will be sistered with Eastern Elementary which will house third through fifth grade. Provisions have been made in this budget request to include an expanded gymnasium in partnership with the Buildings, Grounds, and Parks Department.	\$ 24,533,200
East City High (New School) Beginning in FY 2016	Provides a new 155,280 square foot high school with a capacity of 848 students, and core space(s) to support future enrollment up to 1,200 students. This project will cover the projected seating deficit of five other high schools.	36,528,800
Bester Elementary (Replacement School) Beginning in FY 2012	Construct a new 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. Portions of 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 in partnership with the Buildings, Grounds and Parks Department.	22,446,000
South County Elementary School – Phase I Beginning in FY 2014	3-round, pre-kindergarten through 5 th grade school. School will be 56,818 square foot and house 471 students with a core space sized for a 5-round school to accommodate future expansion. Provisions have been made within this budget request to include an expanded gymnasium for community use in partnership with the Buildings, Grounds, and Parks Department.	19,512,000
Smithsburg Wastewater Treatment Plant – Facility Improvements Beginning 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.	15,493,630
Winebrenner Wastewater Treatment Plant Upgrade Began in FY 2005	Upgrade facility to comply with Maryland Department of the Environment Enhanced Nutrient Removal strategy and improve efficiency.	15,700,200
Pavement Maintenance and Rehabilitation Program	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.	52,238,560

Project Name	Project Description	Total Project Budget
West City Elementary School – Phase 1	A new 56,818 square foot 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.	19,292,100
Phase 2 – Detention Center Expansion Begin in 2016	Phase 2 of the Detention Center expansion involves the building of a secure corridor between the existing Detention Center and the old Phoenix Color building. It also includes the moving of administration, food, commissary, and laundry services to the old Phoenix Color building along with the building of two all male 48 bed housing units. These housing units will house the kitchen trustees, work release inmates, and other trustees in the Detention Center.	21,941,100
Police, Fire and Emergency Services Training Facility	As the need for police, fire, and emergency services continues to grow, the need for a facility for training emergency personnel grows as well. Such a facility would be centralized to the area, easily accessible, and utilized by state, county and local police departments, correctional guards, and security guards. Classroom training for fire and emergency services departments, that predominantly takes place currently in local fire houses, would be held in this facility. This project would be a natural extension of similar training already offered at HCC, such as the Emergency Medical Technician and Administration of Justice programs.	14,146,400
Sharpsburg Elementary School – Modernization	Renovation of 31,684 square feet of existing building and addition of 16,630 square feet of classroom and core space.	13,420,600
Longmeadow Road	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.	12,119,000
Robinwood Corridor II	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.	10,648,400

Project by Year and Type – Detail List



Project by
Year & Type

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Project	Total	Prior	Ten Year Capital Program						
			FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs									
Airport									
Hagerstown Regional Airport									
Capital Equipment - Airport	2,586,900	569,300	757,500	122,400	231,800	150,900	189,200	132,700	433,100
Proposed Taxiway S	1,560,900	0	0	0	0	1,560,900	0	0	0
Land Acquisition - Airport	4,141,800	0	0	0	2,060,600	2,081,200	0	0	0
Terminal Modifications	3,177,500	652,500	2,525,000	0	0	0	0	0	0
Runway 9 MALSR	1,656,900	0	0	0	0	0	0	0	1,656,900
Air Traffic Control Tower Siting Study	156,100	0	0	0	0	156,100	0	0	0
T-Hanger 1, 2 and 3 Replacement	2,878,580	0	0	0	0	0	0	88,780	2,789,800
Hangar 17 Roof Replacement	201,300	0	201,300	0	0	0	0	0	0
Hagerstown Regional Airport Total	16,359,980	1,221,800	3,483,800	122,400	2,292,400	3,949,100	189,200	221,480	4,879,800
Airport Total	16,359,980	1,221,800	3,483,800	122,400	2,292,400	3,949,100	189,200	221,480	4,879,800
Bridges									
Public Works - Capital Projects									
Marble Quarry Road Bridge W6083	1,793,700	1,393,700	400,000	0	0	0	0	0	0
Hopewell Road Culvert 02/01	297,500	0	5,100	0	0	292,400	0	0	0
Bridge Inspection & Inventory	531,800	171,700	0	20,400	0	156,100	0	21,200	162,400
Dogstreet Road Bridge W5932P	1,048,200	166,400	0	0	0	0	881,800	0	0
Spur Road Culvert 07/16	289,100	0	0	0	45,900	243,200	0	0	0
Leiters Mill Road Bridge W2292	1,202,400	206,500	995,900	0	0	0	0	0	0
Garis Shop Road Bridge W4021	1,555,800	206,500	1,349,300	0	0	0	0	0	0
Old Roxbury Road Bridge W5372	1,105,677	267,177	681,400	157,100	0	0	0	0	0
Poffenberger Road Bridge W4011	685,900	156,600	529,300	0	0	0	0	0	0
Poffenberger Road Bridge W4012	1,305,000	207,100	1,097,900	0	0	0	0	0	0
Beaver Creek Road Culvert 16/01	279,100	253,800	25,300	0	0	0	0	0	0
Hopewell Road Culvert 02/02	231,700	0	10,100	0	0	221,600	0	0	0
Mt. Lena Road Culvert 16/05	253,600	15,200	238,400	0	0	0	0	0	0
Trego Road Culvert 08/06	280,900	37,400	243,500	0	0	0	0	0	0
Mousetown Road Culvert 06/02	253,300	0	0	16,300	237,000	0	0	0	0
Keedysville Road Bridge W5651	1,506,400	0	252,500	5,100	0	1,248,800	0	0	0
Crystal Falls Drive Bridge W3051	1,347,300	0	353,500	52,000	0	941,800	0	0	0
Catholic Church Road Bridge 15/02	149,900	0	0	149,900	0	0	0	0	0
Newcomer Road Bridge 14/02	175,400	0	0	175,400	0	0	0	0	0
Wright Road Culvert 02/06	184,100	0	2,000	0	0	182,100	0	0	0
Sprecher Road Bridge W5661	248,400	0	0	0	248,400	0	0	0	0
Sprecher Road Bridge W5662	258,700	0	0	0	258,700	0	0	0	0
Rinehart Road Culvert 14/03	319,500	0	0	0	0	0	6,300	313,200	0
Kretsinger Road Culvert 14/01	297,300	0	0	0	0	0	0	297,300	0
Frog Eye Road Culvert 11/06	548,400	0	0	0	0	0	0	548,400	0
Cleaning and Painting of Steel Bridges	420,400	0	0	0	0	0	420,400	0	0
Wright Road Culvert 02/05	228,900	0	0	0	5,200	223,700	0	0	0
Keefer Road Bridge 15/20	179,400	0	0	0	0	0	0	179,400	0
Burnside Bridge Road Culvert 01/03	287,700	0	0	0	0	0	0	287,700	0
Harpers Ferry Road Culvert 11/02	506,100	0	0	0	0	0	0	0	506,100
Back Road Culvert 11/03	270,200	0	0	0	0	0	0	0	270,200
Long Hollow Road Culvert 05/07	271,800	0	0	0	0	0	0	0	271,800
Hoffman's Inn Road Culvert 05/06	278,800	0	0	0	0	0	0	0	278,800
Henline Road Culvert 05/05	409,400	0	0	0	0	0	0	0	409,400
Bridge Scour Repairs	208,100	0	0	0	0	208,100	0	0	0
Bowie Road Culvert	262,300	0	0	0	0	0	0	0	262,300
Remsburg Road Culvert	267,800	0	0	0	0	0	0	0	267,800
Lanes Road Culvert 15/12	263,400	0	0	0	0	0	0	0	263,400
Greenbrier Road Culvert 16/14	290,800	0	0	0	0	0	0	0	290,800
Taylor's Landing Road Bridge W7101	1,084,600	0	0	0	0	0	0	0	1,084,600
Londontowne Drive Culvert 10/03	207,200	0	0	207,200	0	0	0	0	0
Public Works - Capital Projects Total	21,585,977	3,082,077	6,184,200	783,400	795,200	3,717,800	1,308,500	1,647,200	4,067,600
Bridges Total	21,585,977	3,082,077	6,184,200	783,400	795,200	3,717,800	1,308,500	1,647,200	4,067,600
Drainage									
Public Works - Capital Projects									
Interstate Industrial Park Stormwater Management	2,760,000	0	0	0	0	0	0	981,900	1,778,100
Trego Road Culvert, 4000 Block	184,900	11,200	173,700	0	0	0	0	0	0
Stream Restoration at Various	1,821,100	420,800	0	40,800	412,100	0	42,000	424,600	480,800
Broadfording Road Culvert, 16500	267,700	0	267,700	0	0	0	0	0	0

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Project	Total	Prior	Ten Year Capital Program						
			FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Trego Mountain Road Culverts	295,800	0	0	295,800	0	0	0	0	0
Stormwater Retrofits	8,029,900	0	44,000	852,400	861,000	869,500	878,300	887,000	3,637,700
Shank Road Stream Bank Stabilization	156,000	0	0	0	0	0	0	0	156,000
Hoffmaster Road Drainage	723,300	0	0	0	0	0	0	0	723,300
Harpers Ferry Road Drainage	381,100	0	0	0	0	0	0	0	381,100
Public Works - Capital Projects Total	14,619,800	432,000	485,400	1,189,000	1,273,100	869,500	920,300	2,293,500	7,157,000
Drainage Total	14,619,800	432,000	485,400	1,189,000	1,273,100	869,500	920,300	2,293,500	7,157,000
Education									
Board of Education									
Relocatable Classrooms	3,199,700	0	0	102,000	360,600	364,200	367,900	371,500	1,633,500
Capital Maintenance - BOE	6,241,500	958,000	505,000	510,100	515,200	520,300	525,500	530,800	2,176,600
Ruth Ann Monroe Primary (New)	24,533,200	21,654,700	2,878,500	0	0	0	0	0	0
East City High (New School)	36,528,800	0	0	0	0	0	0	530,800	35,998,000
Bester Elementary (Replacement)	22,446,000	693,200	7,937,000	10,864,100	2,951,700	0	0	0	0
South County Elementary School -	19,512,000	0	0	0	0	156,100	1,392,600	8,762,900	9,200,400
West City Elementary School - Phase I	19,292,100	0	151,500	1,377,200	7,761,950	7,598,750	2,402,700	0	0
South County Elementary - Phase II	5,589,300	0	0	0	0	0	0	0	5,589,300
Sharpsburg Elementary School- Modernization	13,420,600	0	0	0	0	0	0	0	13,420,600
Boonsboro High School -	276,200	0	0	0	0	0	0	0	276,200
Board of Education Total	151,039,400	23,305,900	11,472,000	12,853,400	11,589,450	8,639,350	4,688,700	10,196,000	68,294,600
Hagerstown Community College									
Campus Operations Building	5,242,500	0	0	0	0	0	327,800	4,914,700	0
Student Center Expansion	8,349,000	482,200	373,600	0	3,727,950	3,765,250	0	0	0
Learning Resource Center Renovation	4,817,100	0	0	0	307,000	4,510,100	0	0	0
ARCC HVAC	1,901,700	0	0	0	0	0	0	0	1,901,700
ARCC Addition	7,257,000	0	0	0	0	0	0	0	7,257,000
Technology Center Renovation	6,237,000	0	0	0	0	0	0	0	6,237,000
Police, Fire and Emergency Services Training Facility	14,146,400	0	0	0	0	625,600	8,803,700	328,200	4,388,900
ARCC Roof Replacement	705,500	0	705,500	0	0	0	0	0	0
Hagerstown Community College Total	48,656,200	482,200	1,079,100	0	4,034,950	8,900,950	9,131,500	5,242,900	19,784,600
Public Libraries									
Systemic Projects - Library	369,100	0	16,300	20,000	23,800	31,400	38,900	37,200	201,500
Hancock Public Library Replacement	2,582,700	0	0	0	0	0	0	0	2,582,700
Public Libraries Total	2,951,800	0	16,300	20,000	23,800	31,400	38,900	37,200	2,784,200
Education Total	202,647,400	23,788,100	12,567,400	12,873,400	15,648,200	17,571,700	13,859,100	15,476,100	90,863,400
General Government									
Accounting									
Contingency - General Fund	2,123,600	0	0	0	515,200	0	525,500	0	1,082,900
Bond Issuance Costs	1,144,100	253,000	0	99,100	99,000	99,000	99,000	99,000	396,000
Financial System Management & Upgrades	561,100	326,500	0	234,600	0	0	0	0	0
General - Capital Equipment and Vehicle Replacement Program	451,000	0	200,000	201,000	50,000	0	0	0	0
Accounting Total	4,279,800	579,500	200,000	534,700	664,200	99,000	624,500	99,000	1,478,900
Bldgs., Grounds & Parks									
Chiller Replacement, 100 W. Washington Street	151,100	40,000	111,100	0	0	0	0	0	0
Air Conditioning System - County Office Bldg	327,600	196,300	131,300	0	0	0	0	0	0
Administration Building Window Weatherproofing	45,500	0	0	45,500	0	0	0	0	0
Bldgs., Grounds & Parks Total	524,200	236,300	242,400	45,500	0	0	0	0	0
Information Technology									
Information Systems Replacement Program	1,610,300	50,500	111,000	117,000	123,000	129,500	157,700	159,200	762,400
Accela Software Upgrade	250,000	0	0	250,000	0	0	0	0	0
Information Technology Total	1,860,300	50,500	111,000	367,000	123,000	129,500	157,700	159,200	762,400
Public Works - Capital Projects									
Highway Central Section - New Facility	3,986,500	0	0	0	0	0	0	265,400	3,721,100
Survey Global Positioning System Equipment	110,000	0	110,000	0	0	0	0	0	0
Fuel Center Replacement - Central Section Highway Maintenance Facility	929,100	0	525,000	404,100	0	0	0	0	0
County Administration Bldg Renovations 1st and 2nd Floor	3,220,000	0	185,000	2,025,100	1,009,900	0	0	0	0

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Project	Total	Prior	Ten Year Capital Program						Future
			FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	
Redevelopment/Shell Renovation - Massey Bldg - Balt. Street	974,200	0	0	0	0	0	0	414,100	560,100
Public Works - Capital Projects Total	9,219,800	0	820,000	2,429,200	1,009,900	0	0	679,500	4,281,200
General Government Total	15,884,100	866,300	1,373,400	3,376,400	1,797,100	228,500	782,200	937,700	6,522,500
<u>Parks & Recreation</u>									
<u>Bldgs., Grounds & Parks</u>									
Black Rock Golf Course Cart Path Overlay	137,100	0	0	68,200	68,900	0	0	0	0
Kemps Mill Park	900,300	0	0	0	0	0	104,100	262,800	533,400
Woodland Way Park Sidewalk Replacement	24,000	12,000	12,000	0	0	0	0	0	0
North Central County Park (north side of Eastern Blvd Extended)	3,459,700	0	0	0	0	82,400	0	0	3,377,300
Tree Forestation	61,200	0	20,000	0	20,400	0	20,800	0	0
Park Land Acquisition	979,400	0	100,000	101,000	153,000	154,500	208,100	262,800	0
Pinesburg Softball Complex	24,000	0	24,000	0	0	0	0	0	0
MLS Park Veterans Memorial Retaining Wall	7,500	0	7,500	0	0	0	0	0	0
Ag Center Pole Barn 3 - Concrete	38,280	0	38,280	0	0	0	0	0	0
Tennis Courts, Resurfacing	20,000	0	20,000	0	0	0	0	0	0
MLS Park, Softball Field Lights	385,000	0	385,000	0	0	0	0	0	0
Bldgs., Grounds & Parks Total	6,036,480	12,000	606,780	169,200	242,300	236,900	333,000	525,600	3,910,700
Parks & Recreation Total	6,036,480	12,000	606,780	169,200	242,300	236,900	333,000	525,600	3,910,700
<u>Public Safety</u>									
<u>Communication Maintenance</u>									
Communications System	403,000	50,000	316,000	37,000	0	0	0	0	0
Communication Tower(s) various locations	527,800	0	0	0	0	206,100	0	105,100	216,600
Communication Maintenance Total	930,800	50,000	316,000	37,000	0	206,100	0	105,100	216,600
<u>Detention</u>									
Existing Detention Center Renovations	9,106,000	0	0	0	0	0	0	0	9,106,000
Detention Total	9,106,000	0	0	0	0	0	0	0	9,106,000
<u>Patrol</u>									
Law Enforcement - Fleet Replacement Program	3,467,300	186,600	400,000	204,000	206,100	208,100	210,200	212,300	1,840,000
Patrol Total	3,467,300	186,600	400,000	204,000	206,100	208,100	210,200	212,300	1,840,000
Public Safety Total	13,504,100	236,600	716,000	241,000	206,100	414,200	210,200	317,400	11,162,600
<u>Railroad Crossings</u>									
<u>Public Works - Capital Projects</u>									
Railroad Study and Improvements	1,499,900	0	134,000	0	1,365,900	0	0	0	0
Public Works - Capital Projects Total	1,499,900	0	134,000	0	1,365,900	0	0	0	0
Railroad Crossings Total	1,499,900	0	134,000	0	1,365,900	0	0	0	0
<u>Road Improvement</u>									
<u>Public Works - Capital Projects</u>									
Pavement Maintenance and Rehabilitation Program	52,238,560	8,510,860	3,206,800	3,493,800	4,168,600	4,752,000	4,479,100	4,135,600	19,491,800
Robinwood Corridor II	10,648,400	7,812,600	2,325,700	510,100	0	0	0	0	0
Robinwood North	2,373,473	462,473	141,500	0	0	0	0	0	1,769,500
Longmeadow Road	12,119,000	60,000	0	0	602,800	0	0	2,972,300	8,483,900
Eastern Boulevard Extended	9,035,650	285,250	0	0	0	676,400	1,051,000	5,913,100	1,109,900
Hebb Road & US Route 40	808,900	0	0	0	0	0	0	0	808,900
Maugans Avenue II	21,700	0	0	0	0	0	0	0	21,700
Shawley Drive	3,187,300	1,113,200	2,074,100	0	0	0	0	0	0
Southern Boulevard I	9,129,500	6,023,100	0	0	1,545,500	1,560,900	0	0	0
E. Oak Ridge Drive/South Pointe	324,300	0	0	0	0	46,800	63,100	0	214,400
Eastern Boulevard Widening Phase I	7,743,100	7,238,100	505,000	0	0	0	0	0	0
Eastern Boulevard Widening Phase II	7,996,900	500,000	0	141,300	475,500	1,356,000	5,524,100	0	0
Underpass Way and Railway Lane Roundabout	1,113,300	0	373,700	739,600	0	0	0	0	0
Garis Shop/Poffenberger Roundabout	1,455,400	1,304,600	150,800	0	0	0	0	0	0
Southern Boulevard II	3,313,900	0	0	0	0	0	0	0	3,313,900
Transportation ADA	1,271,400	166,900	592,300	0	0	87,700	86,800	85,900	251,800
Halfway Boulevard Extended II	633,800	0	0	0	0	0	473,000	0	160,800
Eastern Boulevard at Antietam Drive Intersection Improvement	3,318,400	502,000	0	0	1,401,200	1,415,200	0	0	0

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Project	Total	Prior	Ten Year Capital Program							Future
			FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018		
Newgate Boulevard Extended	2,752,700	0	0	0	0	0	0	0	0	2,752,700
Hopewell Road Extended	5,436,100	0	0	0	0	0	0	0	0	5,436,100
Yale Drive Extended - Phase II	3,072,290	1,256,640	795,000	1,020,650	0	0	0	0	0	0
Professional Court Extended - Phase II	7,090,200	125,000	0	0	0	0	0	0	390,700	6,574,500
Professional Court Extended - Phase I/Bridge over Antietam Creek	8,589,200	125,000	0	0	0	0	0	0	774,900	7,689,300
Longmeadow Road II	1,868,000	0	0	0	0	0	0	0	0	1,868,000
Marsh Pike from MD60 to	6,207,100	0	0	0	0	0	0	0	0	6,207,100
Yale Drive Extended - Phase I	6,637,510	2,551,360	2,014,000	2,072,150	0	0	0	0	0	0
MD Route 144 and Western MD Parkway Roundabout	604,100	0	0	0	20,600	260,200	323,300	0	0	0
Mt Aetna Road Spot Improvements	386,600	0	0	0	0	0	0	0	0	386,600
Meadow View Drive and Oak Hill Avenue Roundabout	52,000	0	0	0	0	0	0	0	0	52,000
Highway Equipment and Vehicle Replacement Program	5,929,800	410,900	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000	2,612,000
Valley Mall Road Improvements	422,500	0	0	85,900	336,600	0	0	0	0	0
Valley Mall Area Road Improvements Phase II	1,018,900	0	0	0	0	180,300	0	0	0	838,600
Public Works - Capital Projects Total	176,799,983	38,447,983	12,478,900	8,471,500	9,014,400	10,855,800	12,578,500	14,909,400	14,909,400	70,043,500
Road Improvement Total	176,799,983	38,447,983	12,478,900	8,471,500	9,014,400	10,855,800	12,578,500	14,909,400	14,909,400	70,043,500
Solid Waste										
Solid Waste										
Contingency - Solid Waste	579,300	101,500	0	51,000	51,500	52,000	52,600	53,100	217,600	217,600
Close Out Cap - Rubble Fill	1,914,500	81,400	0	0	1,833,100	0	0	0	0	0
Cell 5	4,661,600	0	0	0	0	0	0	212,300	4,449,300	4,449,300
E-Cycling Building	142,800	0	0	142,800	0	0	0	0	0	0
City/County Leachate Upgrades	1,229,200	587,800	641,400	0	0	0	0	0	0	0
40 West Truck Loading Facility	100,000	0	100,000	0	0	0	0	0	0	0
Resh Road Landfill Gas Flares	150,000	0	150,000	0	0	0	0	0	0	0
40 West Pavement Rehabilitation	649,700	0	0	0	0	0	0	0	0	649,700
40 West Trash Fence	656,200	0	0	0	0	0	0	0	0	656,200
Solid Waste Total	10,083,300	770,700	891,400	193,800	1,884,600	52,000	52,600	265,400	5,972,800	5,972,800
Solid Waste Total	10,083,300	770,700	891,400	193,800	1,884,600	52,000	52,600	265,400	5,972,800	5,972,800
Transit										
Transit										
Transit Buses	4,861,400	418,000	506,600	0	0	0	0	0	0	3,936,800
ADA Bus Replacement	472,800	0	65,000	68,300	73,100	0	0	75,400	191,000	191,000
Transit System Bus Shelters	683,613	260,813	101,000	0	0	104,100	0	0	217,700	217,700
Vehicle Preventative Maintenance	1,341,926	285,126	101,000	102,000	103,000	104,100	105,100	106,200	435,400	435,400
On-Vehicle Video Surveillance System	160,000	0	160,000	0	0	0	0	0	0	0
Mobile Data Computers - Automatic Vehicle Locator	35,000	0	35,000	0	0	0	0	0	0	0
Printing / Encoding Machines - PEMS	40,000	0	40,000	0	0	0	0	0	0	0
Transit Total	7,594,739	963,939	1,008,600	170,300	176,100	208,200	105,100	181,600	4,780,900	4,780,900
Transit Total	7,594,739	963,939	1,008,600	170,300	176,100	208,200	105,100	181,600	4,780,900	4,780,900
Water Quality										
Utility Administration										
Contingency - Utility Admin	304,800	51,000	0	26,000	26,500	27,100	27,600	28,200	118,400	118,400
General Building Improvements	1,178,500	0	101,000	0	0	0	0	0	1,077,500	1,077,500
Laboratory Rehabilitation of Ventilation System	262,800	0	0	0	0	0	0	262,800	0	0
Water Quality Equipment and Vehicle Replacement Program	102,000	0	102,000	0	0	0	0	0	0	0
Utility Administration Total	1,848,100	51,000	203,000	26,000	26,500	27,100	27,600	291,000	1,195,900	1,195,900
Wastewater Utility										
Contingency - Sewer	580,900	73,500	0	52,000	53,100	54,100	55,200	56,300	236,700	236,700
Smithsburg Wastewater Treatment Plant - Facility Improvements	15,493,630	806,670	505,000	3,976,660	10,205,300	0	0	0	0	0
Pump Station Upgrades - Various Stations	1,829,500	50,000	733,700	0	0	520,300	525,500	0	0	0
Winebrenner Wastewater Treatment Plant Upgrade	15,700,200	11,900,800	3,799,400	0	0	0	0	0	0	0
Replace PO 2 Pump Station	1,261,100	0	0	0	1,261,100	0	0	0	0	0
Potomac Edison Pump Station and Force Main Relocation	1,531,000	0	0	0	0	0	1,531,000	0	0	0

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Project	Total	Prior	Ten Year Capital Program						
			FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Antietam Wastewater Treatment Plant - Facility Improvements	1,095,300	70,000	0	510,100	515,200	0	0	0	0
Roof replacement at Conococheague WwTP	208,100	0	0	0	0	208,100	0	0	0
General WwTP Improvements	312,200	0	0	0	0	312,200	0	0	0
Collection System Rehabilitation	788,300	0	0	0	0	0	0	788,300	0
Conococheague WwTP Improvement	796,100	0	0	0	0	0	0	0	796,100
Sandy Hook WwTP	765,600	0	0	0	0	0	0	0	765,600
I&I Rehabilitation	1,093,700	0	0	0	0	0	0	0	1,093,700
Wastewater Utility Total	41,455,630	12,900,970	5,038,100	4,538,760	12,034,700	1,094,700	2,111,700	844,600	2,892,100
Water Utility									0
Contingency - Water	451,200	51,000	0	26,000	26,500	27,100	27,600	56,300	236,700
WQ Distribution System Water Main and Meter Replacement	621,300	0	101,000	102,000	103,000	0	315,300	0	0
General Water Treatment Plant Improvements	370,700	50,500	50,500	51,000	0	0	0	0	218,700
Elk Ridge Water System	104,100	0	0	0	0	104,100	0	0	0
Sharpsburg Water Treatment Plant	210,200	0	0	0	0	0	0	210,200	0
Mt Aetna Water System Improvements	541,400	0	0	0	0	0	0	0	541,400
Water Utility Total	2,298,900	101,500	151,500	179,000	129,500	131,200	342,900	266,500	996,800
Water Quality Total	45,602,630	13,053,470	5,392,600	4,743,760	12,190,700	1,253,000	2,482,200	1,402,100	5,084,800
TOTAL	532,218,389	82,874,969	45,322,480	32,334,160	46,886,100	39,356,700	32,820,900	38,177,480	214,445,600
Funding Sources									
General Fund	49,372,495	13,457,495	1,715,000	3,400,000	3,500,000	3,600,000	3,700,000	3,800,000	16,200,000
Highway Fund	5,518,900	0	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000
Hotel Rental Fund	773,700	0	373,700	400,000	0	0	0	0	0
Solid Waste Fund	1,150,128	672,328	0	51,000	51,500	52,000	52,600	53,100	217,600
Utility Admin Fund	431,300	51,000	126,500	26,000	26,500	27,100	27,600	28,200	118,400
Water Fund	729,700	101,500	177,000	77,000	26,500	27,100	27,600	56,300	236,700
Sewer Fund	3,258,800	1,606,700	51,000	52,000	53,100	54,100	55,200	56,300	1,330,400
Tax Supported Bond	207,226,431	22,879,951	14,000,000	14,000,000	14,000,000	15,000,000	15,000,000	15,997,680	96,348,800
Self Supported Bond	34,750,130	5,888,770	3,460,200	4,401,760	8,311,500	1,144,700	915,100	1,473,600	9,154,500
Transfer Tax	12,470,173	470,173	0	700,000	1,200,000	1,300,000	1,300,000	1,300,000	6,200,000
Excise Tax - Schools	15,056,200	3,348,200	1,150,000	575,000	708,000	842,000	1,108,000	1,375,000	5,950,000
Excise Tax - Roads	3,908,630	1,085,630	141,000	141,000	174,000	207,000	272,000	338,000	1,550,000
Excise Tax - Other	703,100	30,700	30,700	30,700	38,000	45,000	59,000	74,000	395,000
Excise Tax - Library	351,000	0	16,300	16,000	20,000	24,200	32,100	37,200	205,200
Excise Tax - Non-Residential	6,327,905	827,905	0	0	100,000	200,000	500,000	700,000	4,000,000
APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
Capital Reserve - General	16,835,120	9,885,640	2,630,180	2,443,400	1,345,100	0	0	530,800	0
Capital Reserve - Airport	200,000	200,000	0	0	0	0	0	0	0
Capital Reserve - Solid Waste	891,400	0	891,400	0	0	0	0	0	0
Federal Grant	43,200,217	4,822,617	8,623,100	253,000	2,318,300	5,612,700	255,100	1,286,000	20,029,400
State Grant	122,443,561	17,412,261	11,317,400	5,258,300	13,238,600	10,500,500	7,891,800	9,827,500	46,997,200
Contributions	6,535,400	50,000	319,000	101,000	1,311,400	200,000	1,046,700	606,900	2,900,400
TOTAL	532,218,389	82,874,969	45,322,480	32,334,160	46,886,100	39,356,700	32,820,900	38,177,480	214,445,600

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Airport



Airport

**Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022**

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>Airport</u>										
Hagerstown Regional Airport										
42	Capital Equipment - Airport	2,586,900	569,300	757,500	122,400	231,800	150,900	189,200	132,700	433,100
43	Proposed Taxiway S	1,560,900	0	0	0	0	1,560,900	0	0	0
44	Land Acquisition - Airport	4,141,800	0	0	0	2,060,600	2,081,200	0	0	0
45	Terminal Modifications	3,177,500	652,500	2,525,000	0	0	0	0	0	0
46	Runway 9 MALSR	1,656,900	0	0	0	0	0	0	0	1,656,900
47	Air Traffic Control Tower Siting Study	156,100	0	0	0	0	156,100	0	0	0
48	T-Hanger 1, 2 and 3 Replacement	2,878,580	0	0	0	0	0	0	88,780	2,789,800
49	Hangar 17 Roof Replacement	201,300	0	201,300	0	0	0	0	0	0
	Hagerstown Regional Airport Total	16,359,980	1,221,800	3,483,800	122,400	2,292,400	3,949,100	189,200	221,480	4,879,800
	Airport Total	16,359,980	1,221,800	3,483,800	122,400	2,292,400	3,949,100	189,200	221,480	4,879,800
	TOTAL	16,359,980	1,221,800	3,483,800	122,400	2,292,400	3,949,100	189,200	221,480	4,879,800
Funding Sources										
	General Fund	821,680	17,300	291,100	5,400	62,700	111,000	13,700	13,080	307,400
	Capital Reserve - Airport	200,000	200,000	0	0	0	0	0	0	0
	Federal Grant	14,944,000	983,800	3,110,500	114,000	2,173,800	3,732,800	171,000	203,100	4,455,000
	State Grant	394,300	20,700	82,200	3,000	55,900	105,300	4,500	5,300	117,400
	TOTAL	16,359,980	1,221,800	3,483,800	122,400	2,292,400	3,949,100	189,200	221,480	4,879,800

Project Title: Capital Equipment - Airport**Project Number: 139****Account Number: EQP031****Projected Annual FTE's:****Projected Operating Costs: 400****Description:**

2013 - Replace airport crash truck (AP14).

2014 - Replace airfield grounds maintenance equipment (MWR 4).

2015 - Replace airfield maintenance equipment (AP 11) runway vac/sweep truck.

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

Assumptions & Justifications:

95% Federal funding

2.5% State funding

2.5% Local funding

Snow removal equipment and sweeper truck will be replaced in accordance with the Airport's FAA approved Snow and Ice Control Plan. Purchase of grounds maintenance equipment (boom bank flail mower) is in accordance with the Airport's FAA approved Wildlife Management Plan. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	2,586,900	569,300	757,500	122,400	231,800	150,900	189,200	132,700	433,100
Total Cost	2,586,900	569,300	757,500	122,400	231,800	150,900	189,200	132,700	433,100

Funding Sources:

General Fund	129,700	8,600	26,200	5,400	12,400	9,500	13,700	10,800	43,100
Federal Grant	2,394,200	546,300	712,500	114,000	213,800	137,800	171,000	118,800	380,000
State Grant	63,000	14,400	18,800	3,000	5,600	3,600	4,500	3,100	10,000
Total Funding	2,586,900	569,300	757,500	122,400	231,800	150,900	189,200	132,700	433,100

Project Title: Proposed Taxiway S

Project Number: 143

Account Number:

Projected Annual FTE's:

Projected Operating Costs: 2,016



Description:

Design and construction of new taxiway to connect Runway 27 run-up area to lands north of airport.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	312,200	0	0	0	0	312,200	0	0	0
Construction	1,248,700	0	0	0	0	1,248,700	0	0	0
Total Cost	1,560,900	0	0	0	0	1,560,900	0	0	0

Funding Sources:

General Fund	38,900	0	0	0	0	38,900	0	0	0
Federal Grant	1,483,000	0	0	0	0	1,483,000	0	0	0
State Grant	39,000	0	0	0	0	39,000	0	0	0
Total Funding	1,560,900	0	0	0	0	1,560,900	0	0	0

Project Title: Land Acquisition - Airport

Project Number: 930

Account Number:

Projected Annual FTE's:

Projected Operating Costs: 2,012



Description:

Land acquisition to promote future economic development of the Airport.

Assumptions & Justifications:

- Pending 95% FAA grant funding
- Pending 2.5% Maryland Aviation Administration funding
- 2.5% County share

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

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	4,141,800	0	0	0	2,060,600	2,081,200	0	0	0
Total Cost	4,141,800	0	0	0	2,060,600	2,081,200	0	0	0

Funding Sources:

General Fund	102,400	0	0	0	50,300	52,100	0	0	0
Federal Grant	3,937,000	0	0	0	1,960,000	1,977,000	0	0	0
State Grant	102,400	0	0	0	50,300	52,100	0	0	0
Total Funding	4,141,800	0	0	0	2,060,600	2,081,200	0	0	0

Project Title: Runway 9 MALSR

Project Number: 1070

Account Number:

Projected Annual FTE's:

Projected Operating Costs: 2016



Description:

Design, construct, and commission a medium-intensity approach lighting system with runway alignment indicator (MALSR) for Runway 9.

Assumptions & Justifications:

Pending FAA approval - 95% FAA, 2.5% State, 2.5% County

The installation of a MALSR system for runway 9 provides for safety during flight (landing); lowers approach minimums, and increases the potential to increase flights during inclement weather. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	552,300	0	0	0	0	0	0	0	552,300
Construction	1,104,600	0	0	0	0	0	0	0	1,104,600
Total Cost	1,656,900	0	1,656,900						

Funding Sources:

General Fund	194,400	0	0	0	0	0	0	0	194,400
Federal Grant	1,425,000	0	0	0	0	0	0	0	1,425,000
State Grant	37,500	0	0	0	0	0	0	0	37,500
Total Funding	1,656,900	0	1,656,900						

Project Title: Hangar 17 Roof Replacement

Project Number: 1155

Account Number: BLD071

Projected Annual FTE's:

Projected Operating Costs:



Description:

Total removal and replacement of flat roof and insulation on hangar. Approximately 12,200 sq ft.

Assumptions & Justifications:

Building has a flat roof that was installed when the building was originally built 45 years ago. The roof has far exceeded its useful life.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

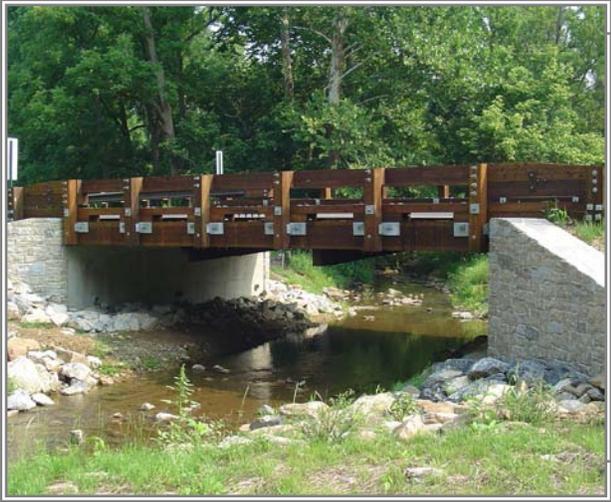
Construction	201,300	0	201,300	0	0	0	0	0	0
Total Cost	201,300	0	201,300	0	0	0	0	0	0

Funding Sources:

General Fund	201,300	0	201,300	0	0	0	0	0	0
Total Funding	201,300	0	201,300	0	0	0	0	0	0

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Bridges



Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program									
		Total	Prior	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future	
	Project Costs										
	<u>Bridges</u>										
	Public Works - Capital Projects										
53	Marble Quarry Road Bridge W6083	1,793,700	1,393,700	400,000	0	0	0	0	0	0	0
54	Hopewell Road Culvert 02/01	297,500	0	5,100	0	0	292,400	0	0	0	
55	Bridge Inspection & Inventory	531,800	171,700	0	20,400	0	156,100	0	21,200	162,400	
56	Dogstreet Road Bridge W5932P	1,048,200	166,400	0	0	0	0	881,800	0	0	
57	Spur Road Culvert 07/16	289,100	0	0	0	45,900	243,200	0	0	0	
58	Leiters Mill Road Bridge W2292	1,202,400	206,500	995,900	0	0	0	0	0	0	
59	Garis Shop Road Bridge W4021	1,555,800	206,500	1,349,300	0	0	0	0	0	0	
60	Old Roxbury Road Bridge W5372	1,105,677	267,177	681,400	157,100	0	0	0	0	0	
61	Poffenberger Road Bridge W4011	685,900	156,600	529,300	0	0	0	0	0	0	
62	Poffenberger Road Bridge W4012	1,305,000	207,100	1,097,900	0	0	0	0	0	0	
63	Beaver Creek Road Culvert 16/01	279,100	253,800	25,300	0	0	0	0	0	0	
64	Hopewell Road Culvert 02/02	231,700	0	10,100	0	0	221,600	0	0	0	
65	Mt. Lena Road Culvert 16/05	253,600	15,200	238,400	0	0	0	0	0	0	
66	Trego Road Culvert 08/06	280,900	37,400	243,500	0	0	0	0	0	0	
67	Mousetown Road Culvert 06/02	253,300	0	0	16,300	237,000	0	0	0	0	
68	Keedysville Road Bridge W5651	1,506,400	0	252,500	5,100	0	1,248,800	0	0	0	
69	Crystal Falls Drive Bridge W3051	1,347,300	0	353,500	52,000	0	941,800	0	0	0	
70	Catholic Church Road Bridge 15/02	149,900	0	0	149,900	0	0	0	0	0	
71	Newcomer Road Bridge 14/02	175,400	0	0	175,400	0	0	0	0	0	
72	Wright Road Culvert 02/06	184,100	0	2,000	0	0	182,100	0	0	0	
73	Sprecher Road Bridge W5661	248,400	0	0	0	248,400	0	0	0	0	
74	Sprecher Road Bridge W5662	258,700	0	0	0	258,700	0	0	0	0	
75	Rinehart Road Culvert 14/03	319,500	0	0	0	0	0	6,300	313,200	0	
76	Kretsinger Road Culvert 14/01	297,300	0	0	0	0	0	0	297,300	0	
77	Frog Eye Road Culvert 11/06	548,400	0	0	0	0	0	0	548,400	0	
78	Cleaning and Painting of Steel Bridges	420,400	0	0	0	0	0	420,400	0	0	
79	Wright Road Culvert 02/05	228,900	0	0	0	5,200	223,700	0	0	0	
80	Keefer Road Bridge 15/20	179,400	0	0	0	0	0	0	179,400	0	
81	Burnside Bridge Road Culvert 01/03	287,700	0	0	0	0	0	0	287,700	0	
82	Harpers Ferry Road Culvert 11/02	506,100	0	0	0	0	0	0	0	506,100	
83	Back Road Culvert 11/03	270,200	0	0	0	0	0	0	0	270,200	
84	Long Hollow Road Culvert 05/07	271,800	0	0	0	0	0	0	0	271,800	
85	Hoffman's Inn Road Culvert 05/06	278,800	0	0	0	0	0	0	0	278,800	
86	Henline Road Culvert 05/05	409,400	0	0	0	0	0	0	0	409,400	
87	Bridge Scour Repairs	208,100	0	0	0	0	208,100	0	0	0	
88	Bowie Road Culvert	262,300	0	0	0	0	0	0	0	262,300	
89	Remsburg Road Culvert	267,800	0	0	0	0	0	0	0	267,800	
90	Lanes Road Culvert 15/12	263,400	0	0	0	0	0	0	0	263,400	
91	Greenbrier Road Culvert 16/14	290,800	0	0	0	0	0	0	0	290,800	
92	Taylors Landing Road Bridge W7101	1,084,600	0	0	0	0	0	0	0	1,084,600	
93	Londontowne Drive Culvert 10/03	207,200	0	0	207,200	0	0	0	0	0	
	Public Works - Capital Projects Total	21,585,977	3,082,077	6,184,200	783,400	795,200	3,717,800	1,308,500	1,647,200	4,067,600	
	Bridges Total	21,585,977	3,082,077	6,184,200	783,400	795,200	3,717,800	1,308,500	1,647,200	4,067,600	
	TOTAL	21,585,977	3,082,077	6,184,200	783,400	795,200	3,717,800	1,308,500	1,647,200	4,067,600	

**Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022**

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Ref

	Ten Year Capital Program								
	Total	Prior	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Funding Sources									
General Fund	3,182,277	844,277	435,300	301,000	5,200	364,200	426,700	21,200	784,400
Tax Supported Bond	10,784,800	507,900	1,645,300	482,400	718,000	1,640,200	881,800	1,626,000	3,283,200
Capital Reserve - General	81,200	9,200	0	0	72,000	0	0	0	0
Federal Grant	7,537,700	1,720,700	4,103,600	0	0	1,713,400	0	0	0
TOTAL	21,585,977	3,082,077	6,184,200	783,400	795,200	3,717,800	1,308,500	1,647,200	4,067,600

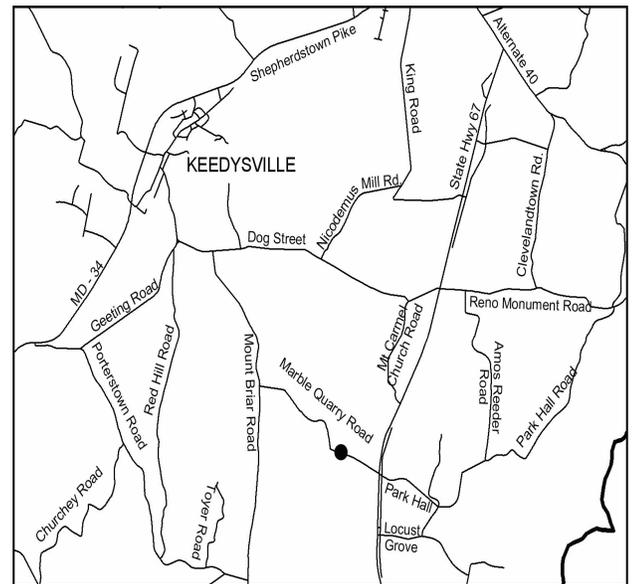
Project Title: Marble Quarry Road Bridge W6083

Project Number: 33

Account Number: BRG024

Projected Annual FTE's:

Projected Operating Costs:



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.

Needed to replace structure that is near the end of its useful life. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	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	1,282,300	882,300	400,000	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	1,793,700	1,393,700	400,000	0	0	0	0	0	0

Funding Sources:

General Fund	150,000	70,000	80,000	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	1,106,500	320,000	0	0	0	0	0	0
Total Funding	1,793,700	1,393,700	400,000	0	0	0	0	0	0

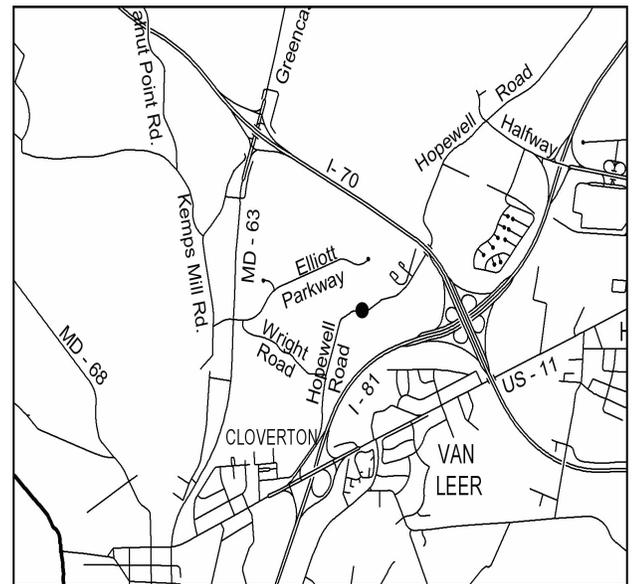
Project Title: Hopewell Road Culvert 02/01

Project Number: 35

Account Number: DNG037

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,100	0	5,100	0	0	0	0	0	0
Construction	241,400	0	0	0	0	241,400	0	0	0
Inspection	30,200	0	0	0	0	30,200	0	0	0
Utilities	20,800	0	0	0	0	20,800	0	0	0
Total Cost	297,500	0	5,100	0	0	292,400	0	0	0

Funding Sources:

General Fund	5,100	0	5,100	0	0	0	0	0	0
Tax Supported Bond	292,400	0	0	0	0	292,400	0	0	0
Total Funding	297,500	0	5,100	0	0	292,400	0	0	0

Project Title: Bridge Inspection & Inventory

Project Number: 40

Account Number: BRG002

Projected Annual FTE's:

Projected Operating Costs:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	531,800	171,700	0	20,400	0	156,100	0	21,200	162,400
Total Cost	531,800	171,700	0	20,400	0	156,100	0	21,200	162,400

Funding Sources:

General Fund	531,800	171,700	0	20,400	0	156,100	0	21,200	162,400
Total Funding	531,800	171,700	0	20,400	0	156,100	0	21,200	162,400

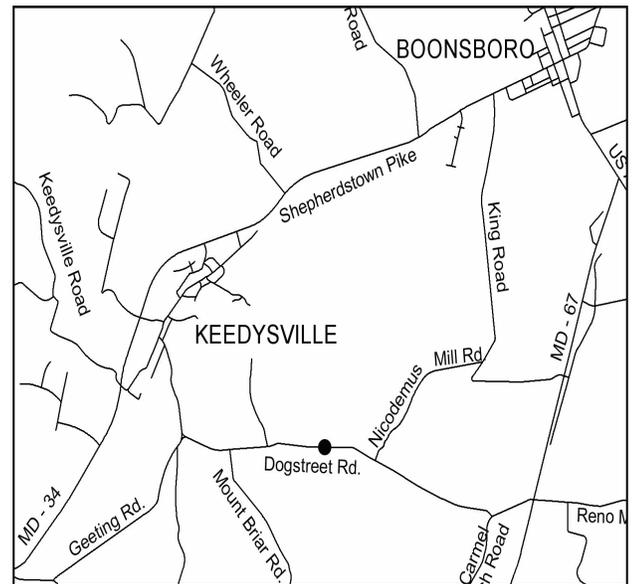
Project Title: Dogstreet Road Bridge W5932P

Project Number: 48

Account Number: BRG049

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	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	785,100	0	0	0	0	0	785,100	0	0
Inspection	90,400	0	0	0	0	0	90,400	0	0
Utilities	6,300	0	0	0	0	0	6,300	0	0
Total Cost	1,048,200	166,400	0	0	0	0	881,800	0	0

Funding Sources:

General Fund	166,400	166,400	0	0	0	0	0	0	0
Tax Supported Bond	881,800	0	0	0	0	0	881,800	0	0
Total Funding	1,048,200	166,400	0	0	0	0	881,800	0	0

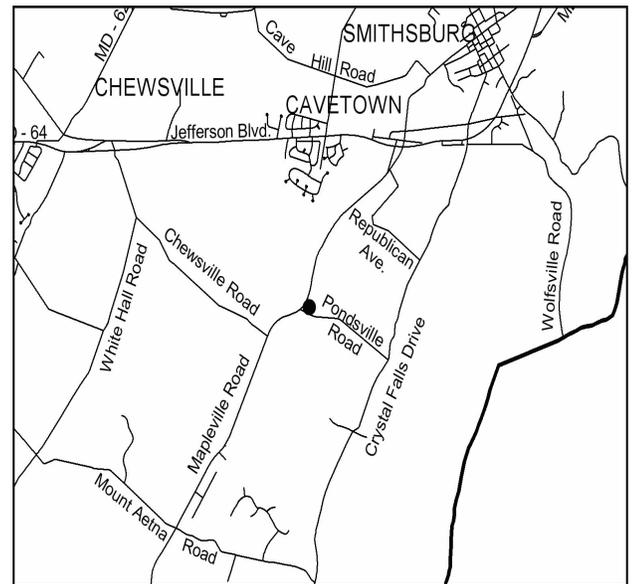
Project Title: Spur Road Culvert 07/16

Project Number: 50

Account Number: BRG055

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	15,300	0	0	0	15,300	0	0	0	0
Construction	206,100	0	0	0	0	206,100	0	0	0
Inspection	37,100	0	0	0	0	37,100	0	0	0
Utilities	30,600	0	0	0	30,600	0	0	0	0
Total Cost	289,100	0	0	0	45,900	243,200	0	0	0

Funding Sources:

Tax Supported Bond	289,100	0	0	0	45,900	243,200	0	0	0
Total Funding	289,100	0	0	0	45,900	243,200	0	0	0

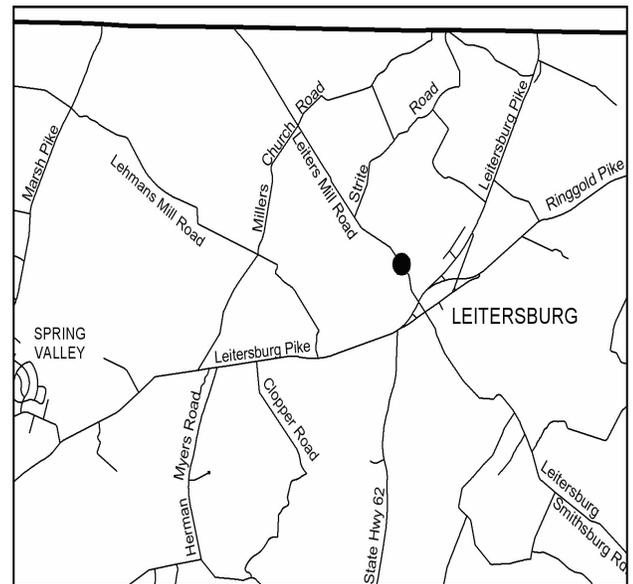
Project Title: Leiters Mill Road Bridge W2292

Project Number: 53

Account Number: BRG060

Projected Annual FTE's:

Projected Operating Costs:



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.

Needed to maintain bridge in a serviceable condition and to protect historical considerations. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	251,900	201,400	50,500	0	0	0	0	0	0
Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	858,500	0	858,500	0	0	0	0	0	0
Inspection	86,900	0	86,900	0	0	0	0	0	0
Total Cost	1,202,400	206,500	995,900	0	0	0	0	0	0

Funding Sources:

General Fund	38,700	38,700	0	0	0	0	0	0	0
Tax Supported Bond	199,200	0	199,200	0	0	0	0	0	0
Federal Grant	964,500	167,800	796,700	0	0	0	0	0	0
Total Funding	1,202,400	206,500	995,900	0	0	0	0	0	0

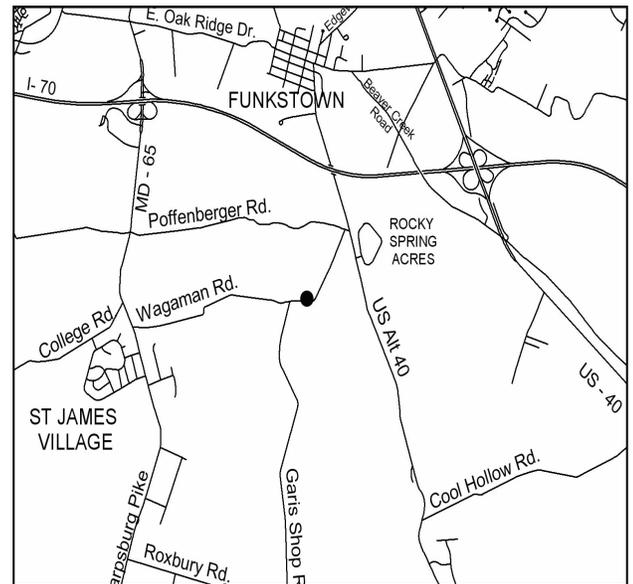
Project Title: Garis Shop Road Bridge W4021

Project Number: 54

Account Number: BRG061

Projected Annual FTE's:

Projected Operating Costs:



Description:

This project is located in the 10000 block of Garis Shop Road (ADC Map 26, Grid F-2). 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 40.1 out of a maximum possible score of 100.

Assumptions & Justifications:

Project is proposed as a Federal Aid project with 80/20 cost share. It is assumed that project design will be combined with Leiters Mill Road bridge W2292.

Needed to maintain bridge in a serviceable condition and to protect historical considerations. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	251,900	201,400	50,500	0	0	0	0	0	0
Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	1,212,000	0	1,212,000	0	0	0	0	0	0
Inspection	86,800	0	86,800	0	0	0	0	0	0
Total Cost	1,555,800	206,500	1,349,300	0	0	0	0	0	0

Funding Sources:

General Fund	173,100	48,100	125,000	0	0	0	0	0	0
Tax Supported Bond	144,800	0	144,800	0	0	0	0	0	0
Federal Grant	1,237,900	158,400	1,079,500	0	0	0	0	0	0
Total Funding	1,555,800	206,500	1,349,300	0	0	0	0	0	0

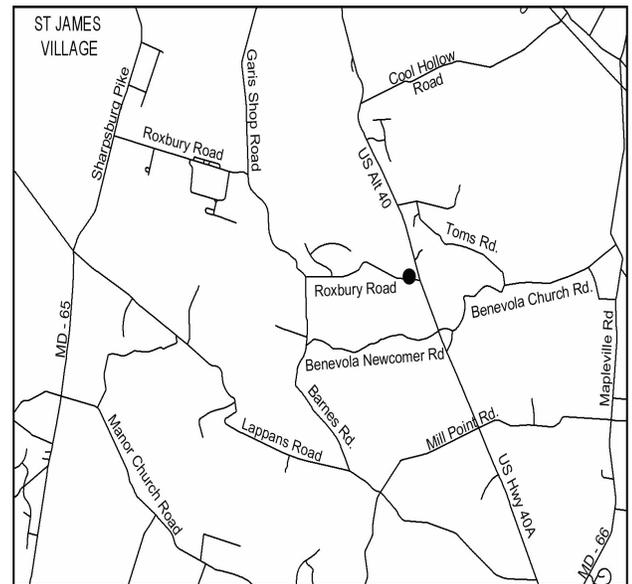
Project Title: Old Roxbury Road Bridge W5372

Project Number: 56

Account Number: BRG020

Projected Annual FTE's:

Projected Operating Costs:



Description:

This project is located in the 19700 Block of Old Roxbury Road (ADC Map 26, Grid K-8). Road realignment to eliminate bridge and reduce or eliminate road flooding. Project may be influenced by possible historical concerns. Bridge Sufficiency Rating is 13.7 out of a maximum possible score of 100.

Assumptions & Justifications:

Budget shown assumes road relocation and bridge removal.

Needed since the structure is nearing the end of its useful life. Due to long term maintenance and cost effective considerations, project proposes to reroute the road to eliminate the need for the bridge.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	12,177	12,177	0	0	0	0	0	0	0
Land Acquisition	255,000	255,000	0	0	0	0	0	0	0
Construction	789,800	0	657,200	132,600	0	0	0	0	0
Inspection	48,700	0	24,200	24,500	0	0	0	0	0
Total Cost	1,105,677	267,177	681,400	157,100	0	0	0	0	0

Funding Sources:

General Fund	1,977	1,977	0	0	0	0	0	0	0
Tax Supported Bond	1,103,700	265,200	681,400	157,100	0	0	0	0	0
Total Funding	1,105,677	267,177	681,400	157,100	0	0	0	0	0

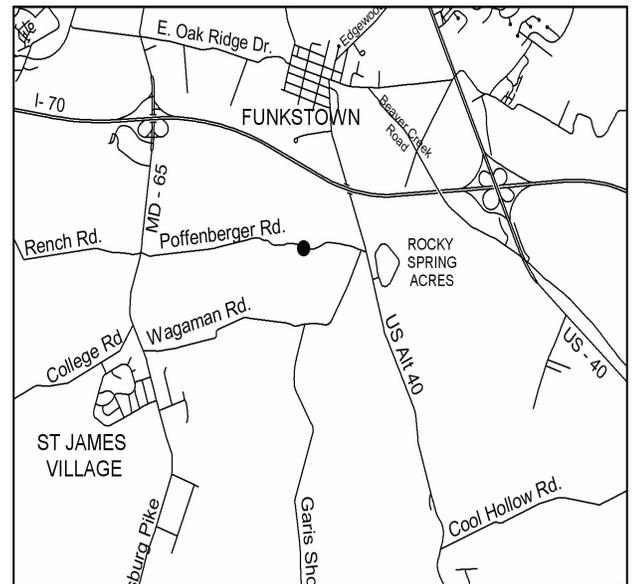
Project Title: Poffenberger Road Bridge W4011

Project Number: 57

Account Number: BRG065

Projected Annual FTE's:

Projected Operating Costs:



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. 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. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	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	470,700	0	470,700	0	0	0	0	0	0
Inspection	58,600	0	58,600	0	0	0	0	0	0
Total Cost	685,900	156,600	529,300	0	0	0	0	0	0

Funding Sources:

General Fund	99,200	32,600	66,600	0	0	0	0	0	0
Federal Grant	586,700	124,000	462,700	0	0	0	0	0	0
Total Funding	685,900	156,600	529,300	0	0	0	0	0	0

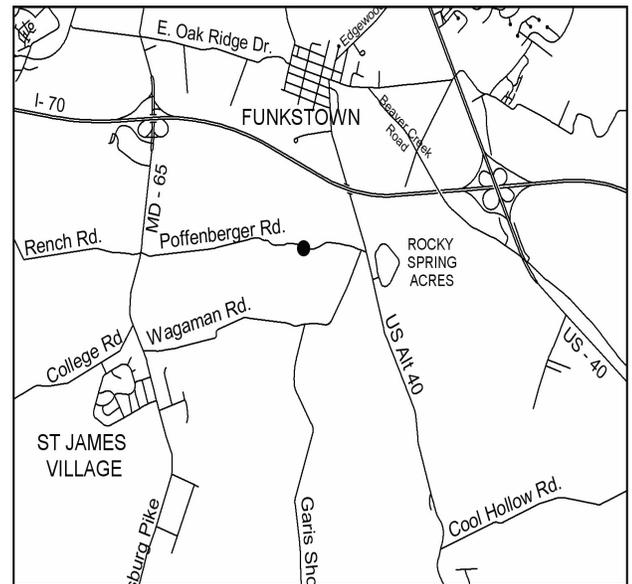
Project Title: Poffenberger Road Bridge W4012

Project Number: 58

Account Number: BRG066

Projected Annual FTE's:

Projected Operating Costs:



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. It is assumed that this project will be designed and constructed together with Poffenberger Road bridge W4011.

Needed to maintain bridge in a serviceable condition and to protect historical considerations. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	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	1,010,000	0	1,010,000	0	0	0	0	0	0
Inspection	87,900	0	87,900	0	0	0	0	0	0
Total Cost	1,305,000	207,100	1,097,900	0	0	0	0	0	0

Funding Sources:

General Fund	43,100	43,100	0	0	0	0	0	0	0
Tax Supported Bond	138,000	0	138,000	0	0	0	0	0	0
Federal Grant	1,123,900	164,000	959,900	0	0	0	0	0	0
Total Funding	1,305,000	207,100	1,097,900	0	0	0	0	0	0

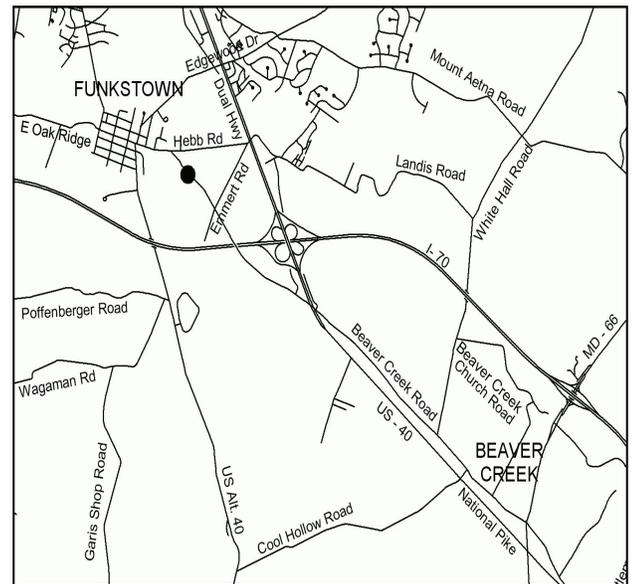
Project Title: Beaver Creek Road Culvert 16/01

Project Number: 60

Account Number: BRG064

Projected Annual FTE's:

Projected Operating Costs:



Description:

This project is located in the 19000 block of Beaver Creek Road (ADC Map 21, Grid H-11). Replace existing single lane concrete structure with a two lane precast concrete box culvert. Upgraded traffic barrier will be added to improve safety.

Assumptions & Justifications:

Although full County funding is shown, APFO requirements may cause developer participation in this project. Project is to be done in conjunction with the Locust Grove Road culvert 08/03, unless a developer causes this project to proceed in advance.

Needed to replace structure that is nearing the end of its useful life and to improve safety. Due to ongoing development in this area, a single lane structure is adverse to public safety.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	25,500	25,500	0	0	0	0	0	0	0
Construction	218,200	192,900	25,300	0	0	0	0	0	0
Inspection	29,300	29,300	0	0	0	0	0	0	0
Utilities	6,100	6,100	0	0	0	0	0	0	0
Total Cost	279,100	253,800	25,300	0	0	0	0	0	0

Funding Sources:

General Fund	244,400	219,100	25,300	0	0	0	0	0	0
Tax Supported Bond	25,500	25,500	0	0	0	0	0	0	0
Capital Reserve - General	9,200	9,200	0	0	0	0	0	0	0
Total Funding	279,100	253,800	25,300	0	0	0	0	0	0

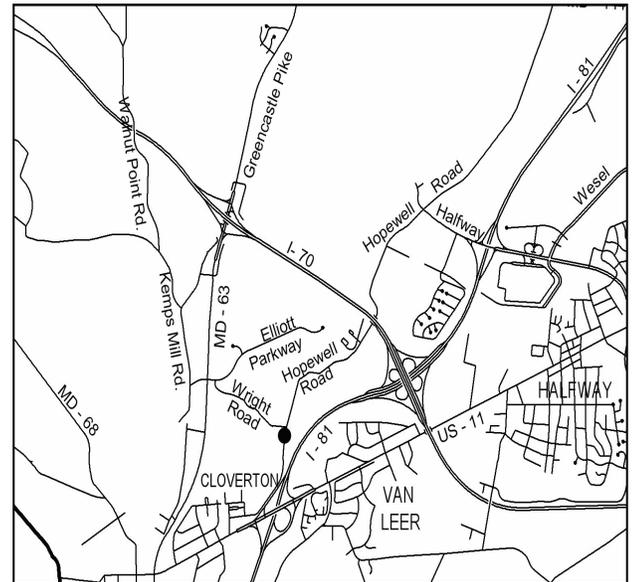
Project Title: Hopewell Road Culvert 02/02

Project Number: 61

Account Number: DNG040

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	10,100	0	10,100	0	0	0	0	0	0
Construction	182,100	0	0	0	0	182,100	0	0	0
Inspection	39,500	0	0	0	0	39,500	0	0	0
Total Cost	231,700	0	10,100	0	0	221,600	0	0	0

Funding Sources:

General Fund	10,100	0	10,100	0	0	0	0	0	0
Tax Supported Bond	221,600	0	0	0	0	221,600	0	0	0
Total Funding	231,700	0	10,100	0	0	221,600	0	0	0

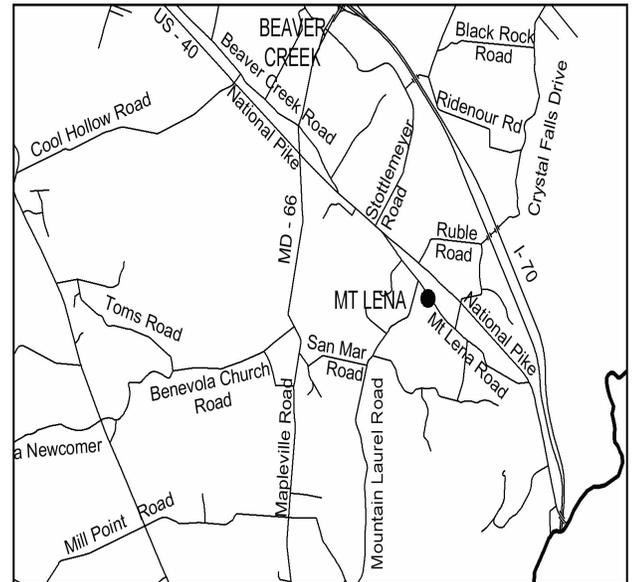
Project Title: Mt. Lena Road Culvert 16/05

Project Number: 62

Account Number: BRG069

Projected Annual FTE's:

Projected Operating Costs:



Description:

This project is located in the 21300 block of Mt. Lena Road (ADC Map 27, Grid H-7). 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:

Project to be done in conjunction with Trego Road culverts 08/06 and 4000 block. Immediate work was done to stabilize extensive wing wall erosion to extend the life of the structure and make some safety improvements. The structure still needs to be replaced.

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	202,000	0	202,000	0	0	0	0	0	0
Inspection	36,400	0	36,400	0	0	0	0	0	0
Utilities	10,100	10,100	0	0	0	0	0	0	0
Total Cost	253,600	15,200	238,400	0	0	0	0	0	0

Funding Sources:

General Fund	15,200	15,200	0	0	0	0	0	0	0
Tax Supported Bond	238,400	0	238,400	0	0	0	0	0	0
Total Funding	253,600	15,200	238,400	0	0	0	0	0	0

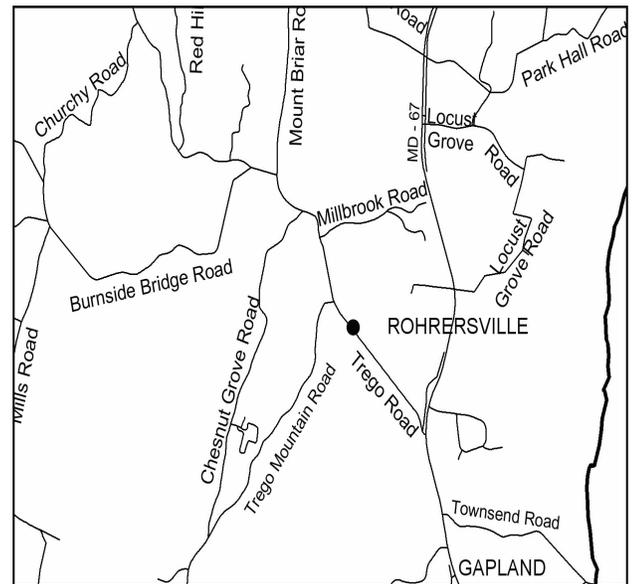
Project Title: Trego Road Culvert 08/06

Project Number: 63

Account Number: BRG067

Projected Annual FTE's:

Projected Operating Costs:



Description:

This project is located in the 4100 block of Trego Road (ADC Map 35, Grid A-4). Replace existing concrete slab bridge with precast concrete box culvert. Upgraded traffic barrier will be added as well to improve safety.

Assumptions & Justifications:

Project will be done in conjunction with Trego Road culvert 4000 block and Mt. Lena Road culvert 16/05.

Needed to replace structure that is nearing the end of its useful life. Due to structure type, no practical long term repair option exists.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	25,300	25,300	0	0	0	0	0	0	0
Construction	207,100	0	207,100	0	0	0	0	0	0
Inspection	36,400	0	36,400	0	0	0	0	0	0
Utilities	12,100	12,100	0	0	0	0	0	0	0
Total Cost	280,900	37,400	243,500	0	0	0	0	0	0

Funding Sources:

General Fund	37,400	37,400	0	0	0	0	0	0	0
Tax Supported Bond	243,500	0	243,500	0	0	0	0	0	0
Total Funding	280,900	37,400	243,500	0	0	0	0	0	0

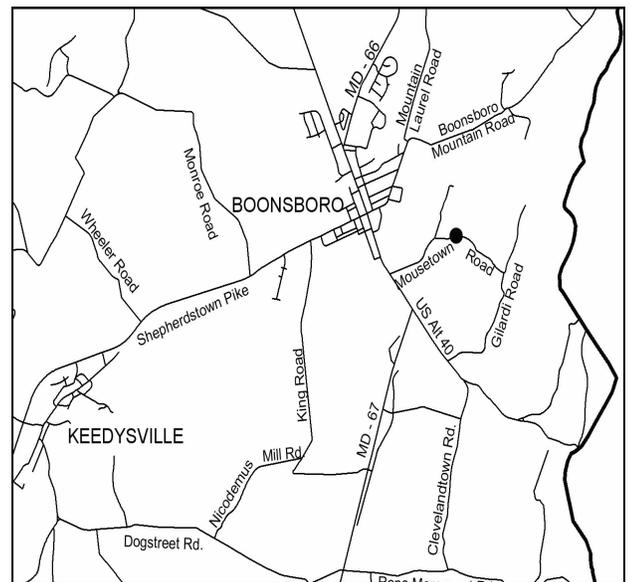
Project Title: Mousetown Road Culvert 06/02

Project Number: 1017

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	10,200	0	0	10,200	0	0	0	0	0
Construction	206,100	0	0	0	206,100	0	0	0	0
Inspection	30,900	0	0	0	30,900	0	0	0	0
Utilities	6,100	0	0	6,100	0	0	0	0	0
Total Cost	253,300	0	0	16,300	237,000	0	0	0	0

Funding Sources:

General Fund	16,300	0	0	16,300	0	0	0	0	0
Tax Supported Bond	165,000	0	0	0	165,000	0	0	0	0
Capital Reserve - General	72,000	0	0	0	72,000	0	0	0	0
Total Funding	253,300	0	0	16,300	237,000	0	0	0	0

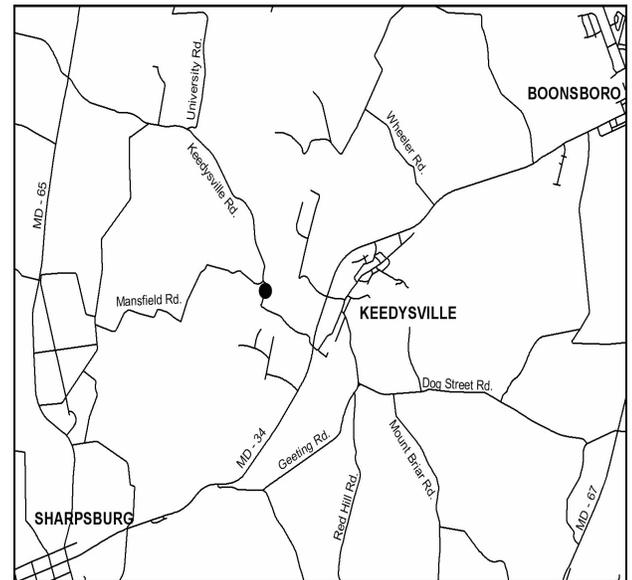
Project Title: Keedysville Road Bridge W5651

Project Number: 1018

Account Number: BRG072

Projected Annual FTE's:

Projected Operating Costs:



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. 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. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	252,500	0	252,500	0	0	0	0	0	0
Land Acquisition	5,100	0	0	5,100	0	0	0	0	0
Construction	1,144,700	0	0	0	0	1,144,700	0	0	0
Inspection	104,100	0	0	0	0	104,100	0	0	0
Total Cost	1,506,400	0	252,500	5,100	0	1,248,800	0	0	0

Funding Sources:

General Fund	55,600	0	50,500	5,100	0	0	0	0	0
Tax Supported Bond	288,800	0	0	0	0	288,800	0	0	0
Federal Grant	1,162,000	0	202,000	0	0	960,000	0	0	0
Total Funding	1,506,400	0	252,500	5,100	0	1,248,800	0	0	0

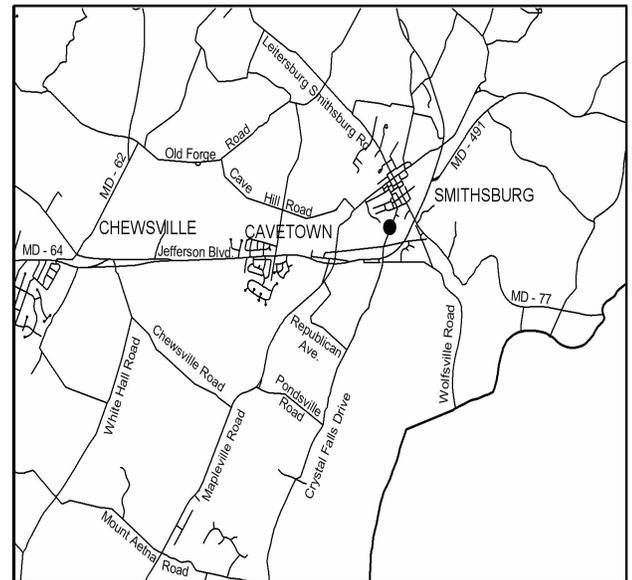
Project Title: Crystal Falls Drive Bridge W3051

Project Number: 1019

Account Number: BRG030

Projected Annual FTE's:

Projected Operating Costs:



Description:

This project is located just outside Smithsburg town limits on Crystal Falls Drive. Replace two lane concrete slab bridge with 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.

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. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	353,500	0	353,500	0	0	0	0	0	0
Land Acquisition	10,200	0	0	10,200	0	0	0	0	0
Construction	837,700	0	0	0	0	837,700	0	0	0
Inspection	104,100	0	0	0	0	104,100	0	0	0
Utilities	41,800	0	0	41,800	0	0	0	0	0
Total Cost	1,347,300	0	353,500	52,000	0	941,800	0	0	0

Funding Sources:

General Fund	122,700	0	70,700	52,000	0	0	0	0	0
Tax Supported Bond	188,400	0	0	0	0	188,400	0	0	0
Federal Grant	1,036,200	0	282,800	0	0	753,400	0	0	0
Total Funding	1,347,300	0	353,500	52,000	0	941,800	0	0	0

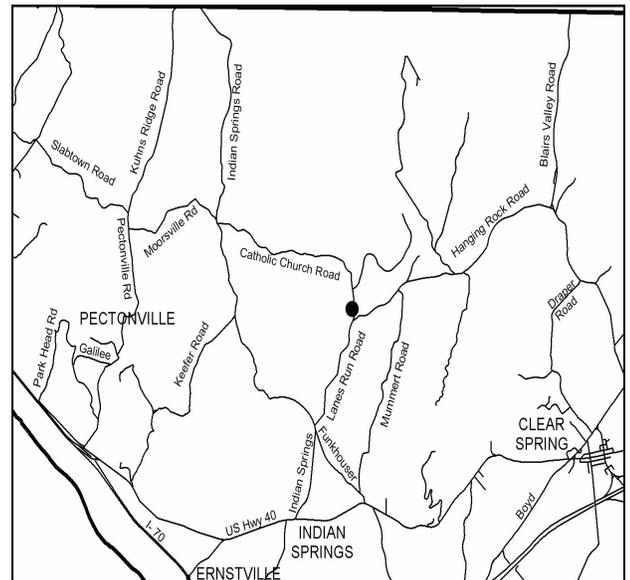
Project Title: Catholic Church Road Bridge 15/02

Project Number: 1020

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

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

Funding Sources:

Tax Supported Bond	149,900	0	0	149,900	0	0	0	0	0
Total Funding	149,900	0	0	149,900	0	0	0	0	0

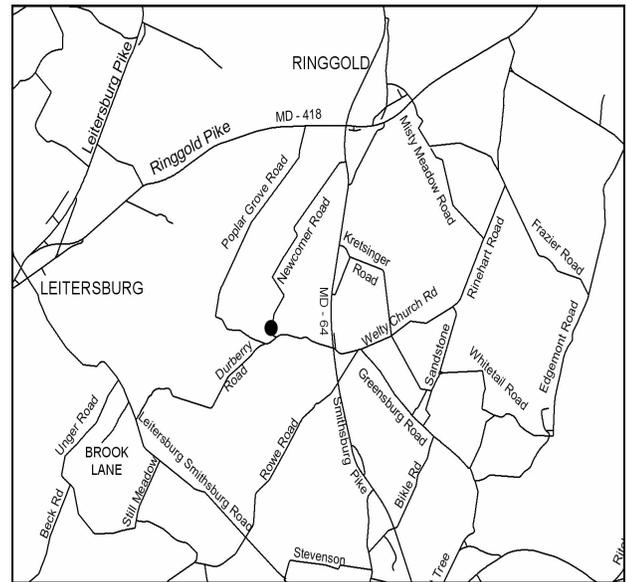
Project Title: Newcomer Road Bridge 14/02

Project Number: 1021

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

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

Funding Sources:

Tax Supported Bond	175,400	0	0	175,400	0	0	0	0	0
Total Funding	175,400	0	0	175,400	0	0	0	0	0

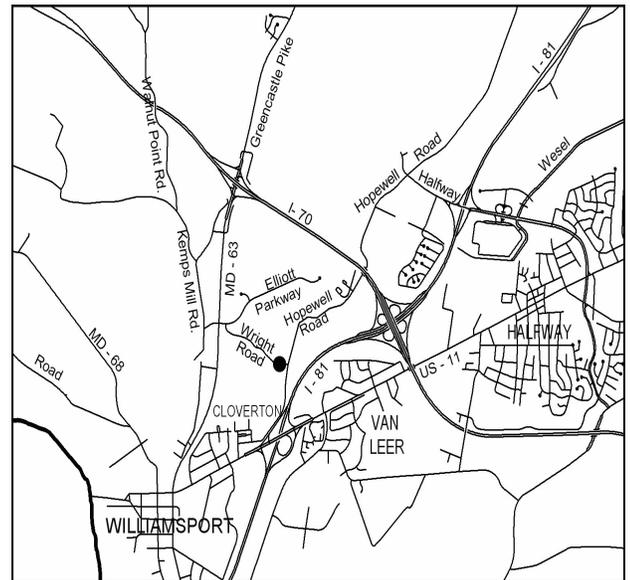
Project Title: Wright Road Culvert 02/06

Project Number: 1022

Account Number: DNG038

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	2,000	0	2,000	0	0	0	0	0	0
Construction	182,100	0	0	0	0	182,100	0	0	0
Total Cost	184,100	0	2,000	0	0	182,100	0	0	0

Funding Sources:

General Fund	2,000	0	2,000	0	0	0	0	0	0
Tax Supported Bond	182,100	0	0	0	0	182,100	0	0	0
Total Funding	184,100	0	2,000	0	0	182,100	0	0	0

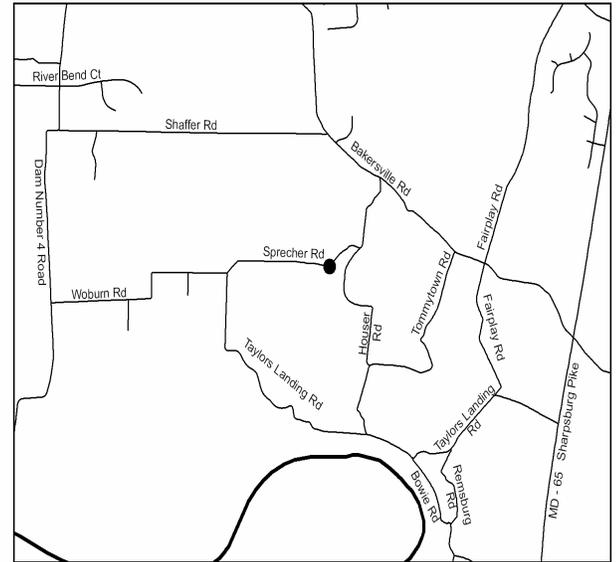
Project Title: Sprecher Road Bridge W5661

Project Number: 1036

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	2,100	0	0	0	2,100	0	0	0	0
Construction	216,400	0	0	0	216,400	0	0	0	0
Inspection	29,900	0	0	0	29,900	0	0	0	0
Total Cost	248,400	0	0	0	248,400	0	0	0	0

Funding Sources:

Tax Supported Bond	248,400	0	0	0	248,400	0	0	0	0
Total Funding	248,400	0	0	0	248,400	0	0	0	0

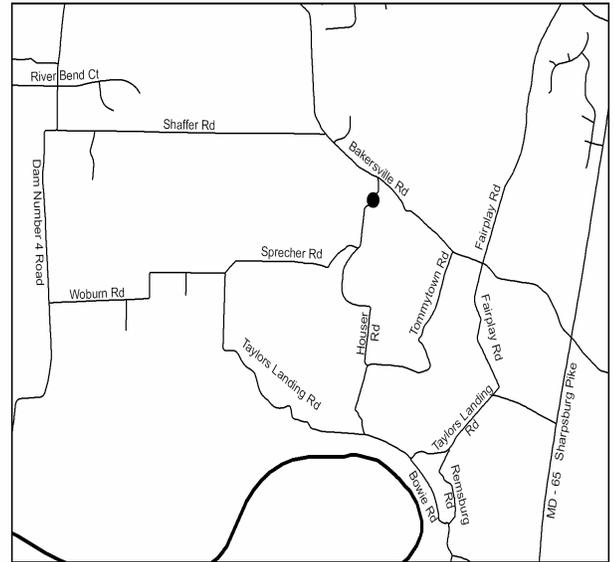
Project Title: Sprecher Road Bridge W5662

Project Number: 1037

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	2,100	0	0	0	2,100	0	0	0	0
Construction	226,700	0	0	0	226,700	0	0	0	0
Inspection	29,900	0	0	0	29,900	0	0	0	0
Total Cost	258,700	0	0	0	258,700	0	0	0	0

Funding Sources:

Tax Supported Bond	258,700	0	0	0	258,700	0	0	0	0
Total Funding	258,700	0	0	0	258,700	0	0	0	0

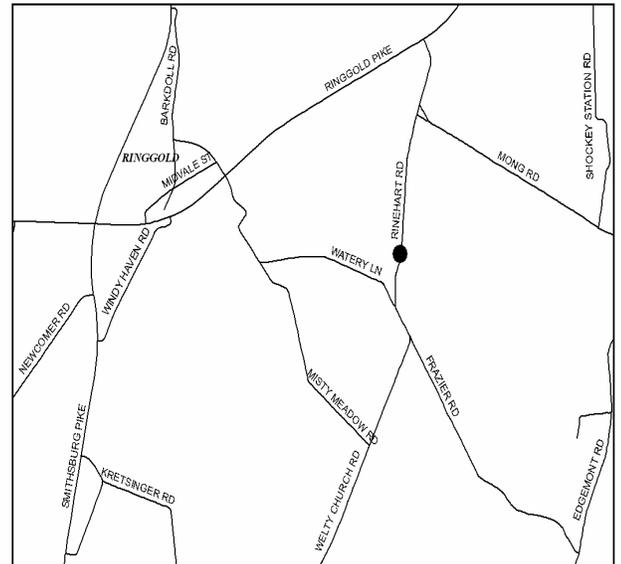
Project Title: Rinehart Road Culvert 14/03

Project Number: 1039

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,300	0	0	0	0	0	0	5,300	0
Construction	270,700	0	0	0	0	0	0	270,700	0
Inspection	30,800	0	0	0	0	0	0	30,800	0
Utilities	12,700	0	0	0	0	0	6,300	6,400	0
Total Cost	319,500	0	0	0	0	0	6,300	313,200	0

Funding Sources:

General Fund	6,300	0	0	0	0	0	6,300	0	0
Tax Supported Bond	313,200	0	0	0	0	0	0	313,200	0
Total Funding	319,500	0	0	0	0	0	6,300	313,200	0

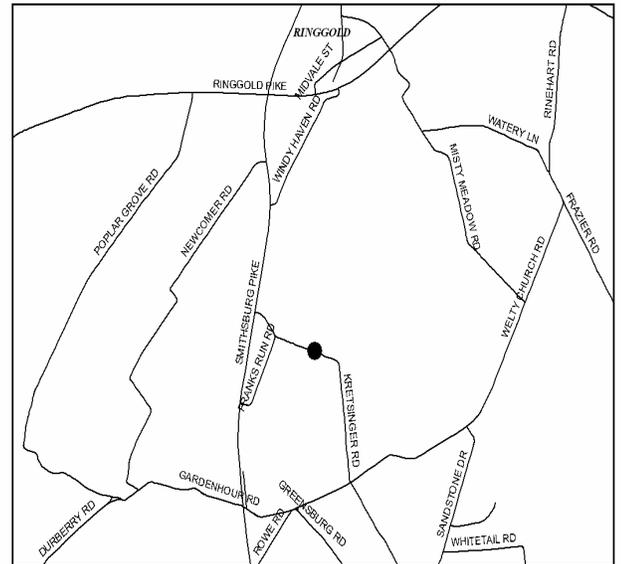
Project Title: Kretsinger Road Culvert 14/01

Project Number: 1040

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,300	0	0	0	0	0	0	5,300	0
Construction	254,800	0	0	0	0	0	0	254,800	0
Inspection	30,800	0	0	0	0	0	0	30,800	0
Utilities	6,400	0	0	0	0	0	0	6,400	0
Total Cost	297,300	0	0	0	0	0	0	297,300	0

Funding Sources:

Tax Supported Bond	297,300	0	0	0	0	0	0	297,300	0
Total Funding	297,300	0	0	0	0	0	0	297,300	0

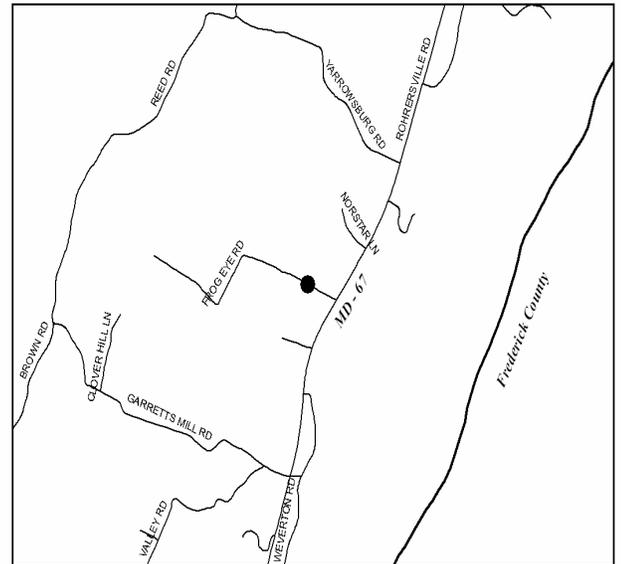
Project Title: Frog Eye Road Culvert 11/06

Project Number: 1041

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	13,300	0	0	0	0	0	0	13,300	0
Construction	477,700	0	0	0	0	0	0	477,700	0
Inspection	51,000	0	0	0	0	0	0	51,000	0
Utilities	6,400	0	0	0	0	0	0	6,400	0
Total Cost	548,400	0	0	0	0	0	0	548,400	0

Funding Sources:

Tax Supported Bond	548,400	0	0	0	0	0	0	548,400	0
Total Funding	548,400	0	0	0	0	0	0	548,400	0

Project Title: **Cleaning and Painting of Steel Bridges**

Project Number: **1042**

Account Number:

Projected Annual FTE's:

Projected Operating Costs:

Description:

Cleaning and painting various steel beam bridges throughout the county.

Assumptions & Justifications:

Essential work to maintain and extend the useful life of the structure.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	378,400	0	0	0	0	0	378,400	0	0
Inspection	42,000	0	0	0	0	0	42,000	0	0
Total Cost	420,400	0	0	0	0	0	420,400	0	0

Funding Sources:

General Fund	420,400	0	0	0	0	0	420,400	0	0
Total Funding	420,400	0	0	0	0	0	420,400	0	0

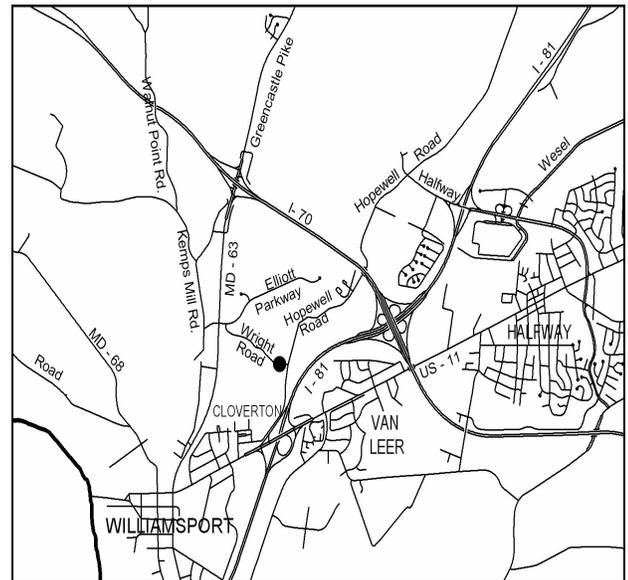
Project Title: Wright Road Culvert 02/05

Project Number: 1043

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 projects 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,200	0	0	0	5,200	0	0	0	0
Construction	187,300	0	0	0	0	187,300	0	0	0
Inspection	30,200	0	0	0	0	30,200	0	0	0
Utilities	6,200	0	0	0	0	6,200	0	0	0
Total Cost	228,900	0	0	0	5,200	223,700	0	0	0

Funding Sources:

General Fund	5,200	0	0	0	5,200	0	0	0	0
Tax Supported Bond	223,700	0	0	0	0	223,700	0	0	0
Total Funding	228,900	0	0	0	5,200	223,700	0	0	0

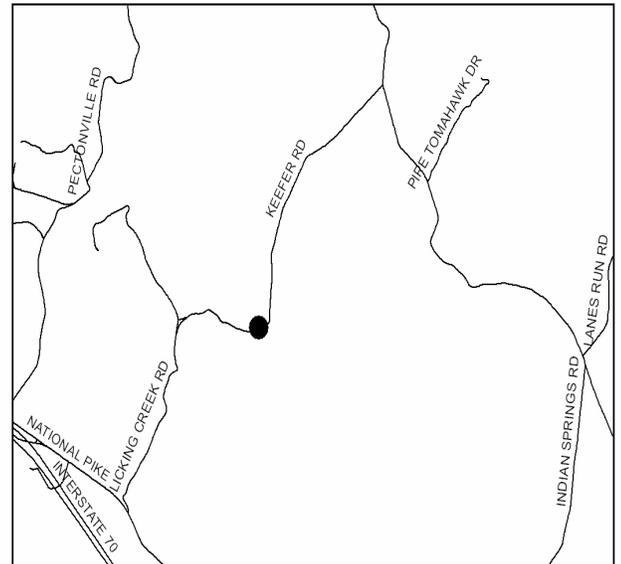
Project Title: Keefer Road Bridge 15/20

Project Number: 1045

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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. 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	2,100	0	0	0	0	0	0	2,100	0
Construction	153,900	0	0	0	0	0	0	153,900	0
Inspection	23,400	0	0	0	0	0	0	23,400	0
Total Cost	179,400	0	0	0	0	0	0	179,400	0

Funding Sources:

Tax Supported Bond	179,400	0	0	0	0	0	0	179,400	0
Total Funding	179,400	0	0	0	0	0	0	179,400	0

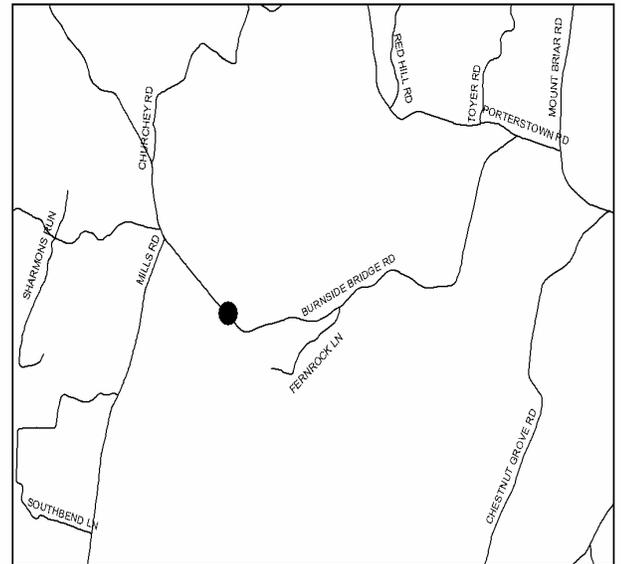
Project Title: Burnside Bridge Road Culvert 01/03

Project Number: 1046

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,300	0	0	0	0	0	0	5,300	0
Construction	249,500	0	0	0	0	0	0	249,500	0
Inspection	30,800	0	0	0	0	0	0	30,800	0
Utilities	2,100	0	0	0	0	0	0	2,100	0
Total Cost	287,700	0	0	0	0	0	0	287,700	0

Funding Sources:

Tax Supported Bond	287,700	0	0	0	0	0	0	287,700	0
Total Funding	287,700	0	0	0	0	0	0	287,700	0

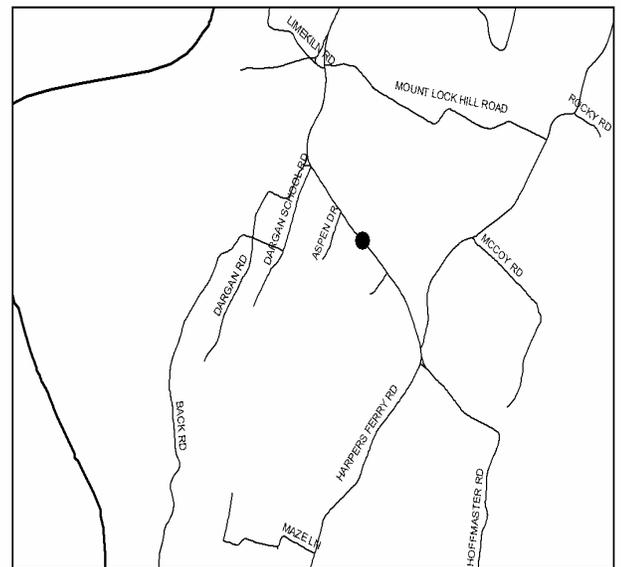
Project Title: Harpers Ferry Road Culvert 11/02

Project Number: 1048

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,400	0	0	0	0	0	0	0	5,400
Construction	455,700	0	0	0	0	0	0	0	455,700
Inspection	38,600	0	0	0	0	0	0	0	38,600
Utilities	6,400	0	0	0	0	0	0	0	6,400
Total Cost	506,100	0	506,100						

Funding Sources:

Tax Supported Bond	506,100	0	0	0	0	0	0	0	506,100
Total Funding	506,100	0	506,100						

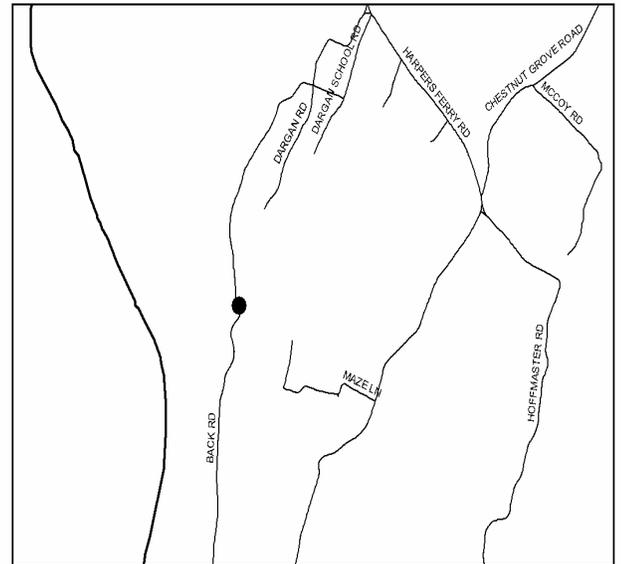
Project Title: Back Road Culvert 11/03

Project Number: 1049

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 measuring 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,400	0	0	0	0	0	0	0	5,400
Construction	230,500	0	0	0	0	0	0	0	230,500
Inspection	31,100	0	0	0	0	0	0	0	31,100
Utilities	3,200	0	0	0	0	0	0	0	3,200
Total Cost	270,200	0	270,200						

Funding Sources:

Tax Supported Bond	270,200	0	0	0	0	0	0	0	270,200
Total Funding	270,200	0	270,200						

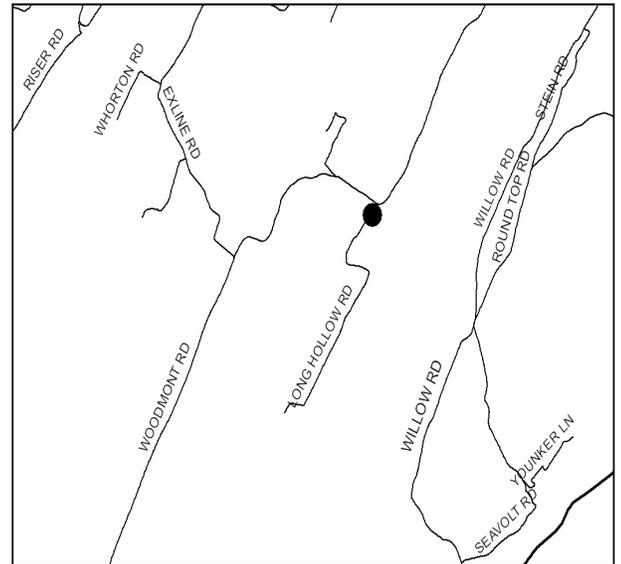
Project Title: Long Hollow Road Culvert 05/07

Project Number: 1050

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,400	0	0	0	0	0	0	0	5,400
Construction	232,800	0	0	0	0	0	0	0	232,800
Inspection	31,400	0	0	0	0	0	0	0	31,400
Utilities	2,200	0	0	0	0	0	0	0	2,200
Total Cost	271,800	0	271,800						

Funding Sources:

General Fund	271,800	0	0	0	0	0	0	0	271,800
Total Funding	271,800	0	271,800						

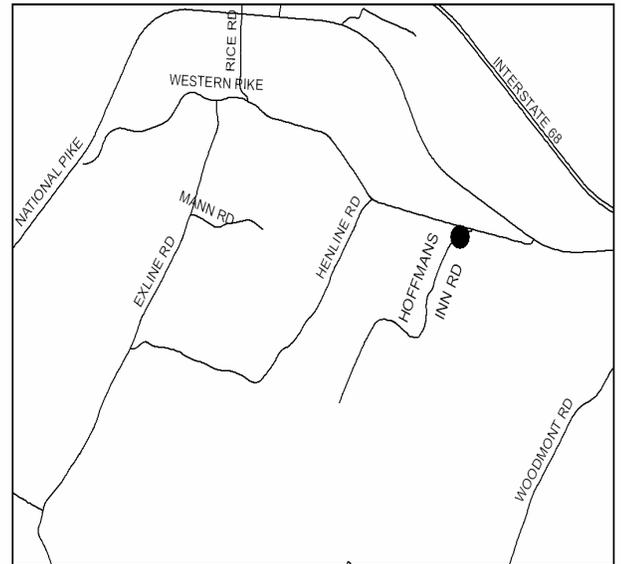
Project Title: Hoffman's Inn Road Culvert 05/06

Project Number: 1051

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	8,100	0	0	0	0	0	0	0	8,100
Construction	232,800	0	0	0	0	0	0	0	232,800
Inspection	31,400	0	0	0	0	0	0	0	31,400
Utilities	6,500	0	0	0	0	0	0	0	6,500
Total Cost	278,800	0	278,800						

Funding Sources:

General Fund	278,800	0	0	0	0	0	0	0	278,800
Total Funding	278,800	0	278,800						

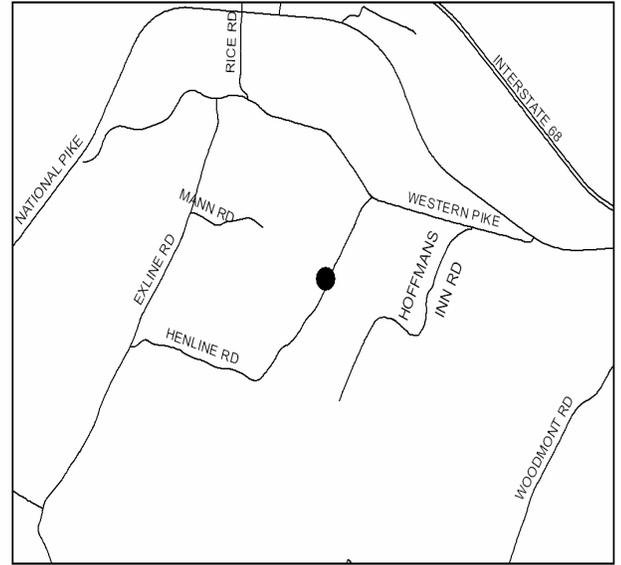
Project Title: Henline Road Culvert 05/05

Project Number: 1052

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 end of its useful life and improve vehicle safety.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,400	0	0	0	0	0	0	0	5,400
Construction	362,800	0	0	0	0	0	0	0	362,800
Inspection	39,000	0	0	0	0	0	0	0	39,000
Utilities	2,200	0	0	0	0	0	0	0	2,200
Total Cost	409,400	0	409,400						

Funding Sources:

Tax Supported Bond	409,400	0	0	0	0	0	0	0	409,400
Total Funding	409,400	0	409,400						

Project Title: Bridge Scour Repairs

Project Number: 1086

Account Number:

Projected Annual FTE's:

Projected Operating Costs:

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 needed 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	208,100	0	0	0	0	208,100	0	0	0
Total Cost	208,100	0	0	0	0	208,100	0	0	0

Funding Sources:

General Fund	208,100	0	0	0	0	208,100	0	0	0
Total Funding	208,100	0	0	0	0	208,100	0	0	0

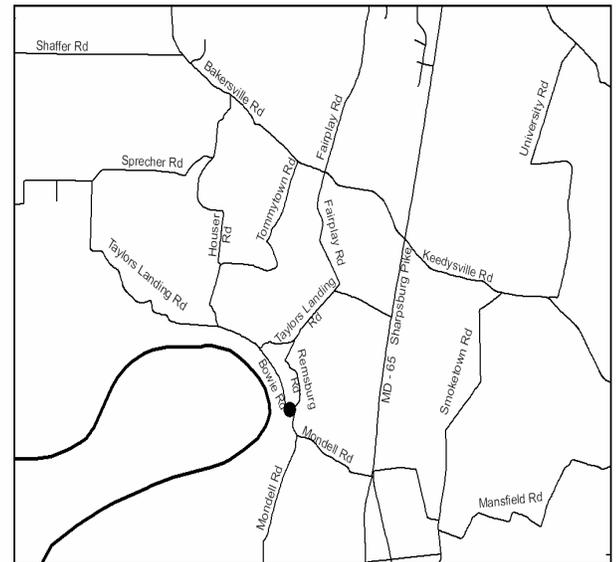
Project Title: **Bowie Road Culvert**

Project Number: **1095**

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,400	0	0	0	0	0	0	0	5,400
Construction	218,700	0	0	0	0	0	0	0	218,700
Inspection	31,700	0	0	0	0	0	0	0	31,700
Utilities	6,500	0	0	0	0	0	0	0	6,500
Total Cost	262,300	0	262,300						

Funding Sources:

General Fund	11,900	0	0	0	0	0	0	0	11,900
Tax Supported Bond	250,400	0	0	0	0	0	0	0	250,400
Total Funding	262,300	0	262,300						

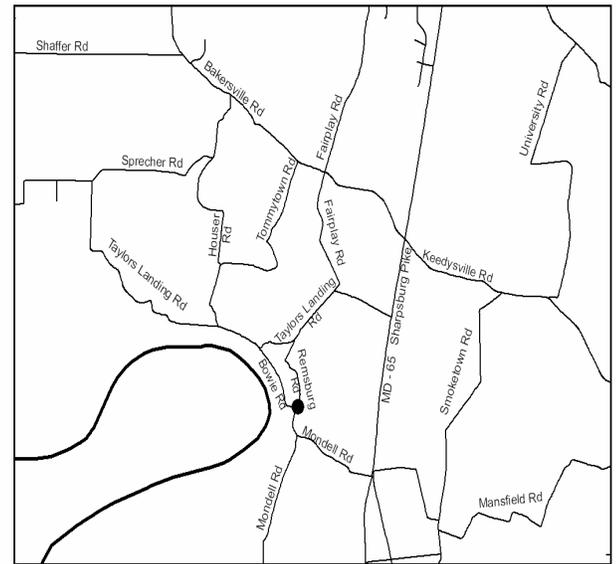
Project Title: Rensburg Road Culvert

Project Number: 1096

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

The project is located in the 6600 Block of Rensburg 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,400	0	0	0	0	0	0	0	5,400
Construction	224,200	0	0	0	0	0	0	0	224,200
Inspection	31,700	0	0	0	0	0	0	0	31,700
Utilities	6,500	0	0	0	0	0	0	0	6,500
Total Cost	267,800	0	267,800						

Funding Sources:

General Fund	11,900	0	0	0	0	0	0	0	11,900
Tax Supported Bond	255,900	0	0	0	0	0	0	0	255,900
Total Funding	267,800	0	267,800						

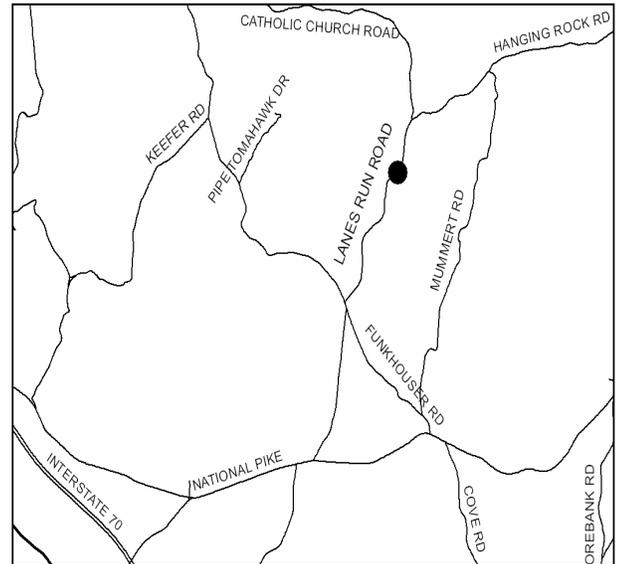
Project Title: Lanes Road Culvert 15/12

Project Number: 1131

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,400	0	0	0	0	0	0	0	5,400
Construction	218,700	0	0	0	0	0	0	0	218,700
Inspection	32,800	0	0	0	0	0	0	0	32,800
Utilities	6,500	0	0	0	0	0	0	0	6,500
Total Cost	263,400	0	263,400						

Funding Sources:

General Fund	11,900	0	0	0	0	0	0	0	11,900
Tax Supported Bond	251,500	0	0	0	0	0	0	0	251,500
Total Funding	263,400	0	263,400						

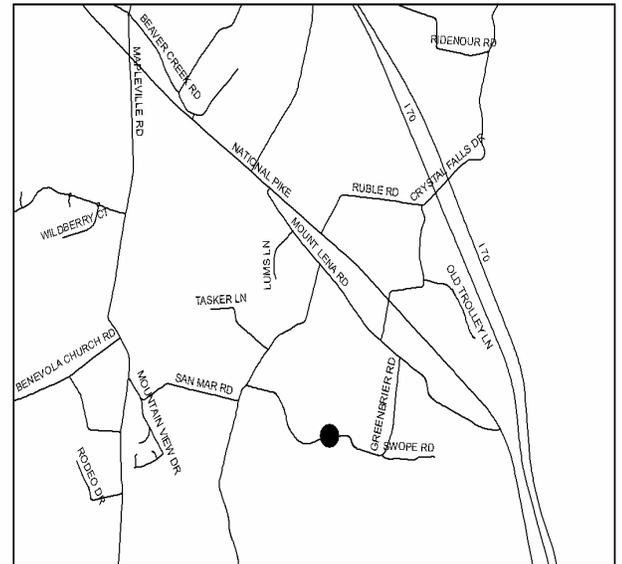
Project Title: Greenbrier Road Culvert 16/14

Project Number: 1132

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,400	0	0	0	0	0	0	0	5,400
Construction	246,100	0	0	0	0	0	0	0	246,100
Inspection	32,800	0	0	0	0	0	0	0	32,800
Utilities	6,500	0	0	0	0	0	0	0	6,500
Total Cost	290,800	0	290,800						

Funding Sources:

General Fund	11,900	0	0	0	0	0	0	0	11,900
Tax Supported Bond	278,900	0	0	0	0	0	0	0	278,900
Total Funding	290,800	0	290,800						

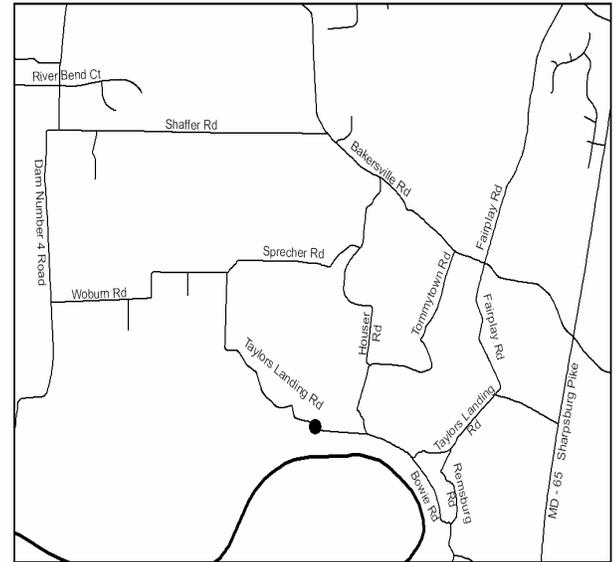
Project Title: Taylors Landing Road Bridge W7101

Project Number: 1133

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	10,800	0	0	0	0	0	0	0	10,800
Construction	962,400	0	0	0	0	0	0	0	962,400
Inspection	98,400	0	0	0	0	0	0	0	98,400
Utilities	13,000	0	0	0	0	0	0	0	13,000
Total Cost	1,084,600	0	1,084,600						

Funding Sources:

General Fund	23,800	0	0	0	0	0	0	0	23,800
Tax Supported Bond	1,060,800	0	0	0	0	0	0	0	1,060,800
Total Funding	1,084,600	0	1,084,600						

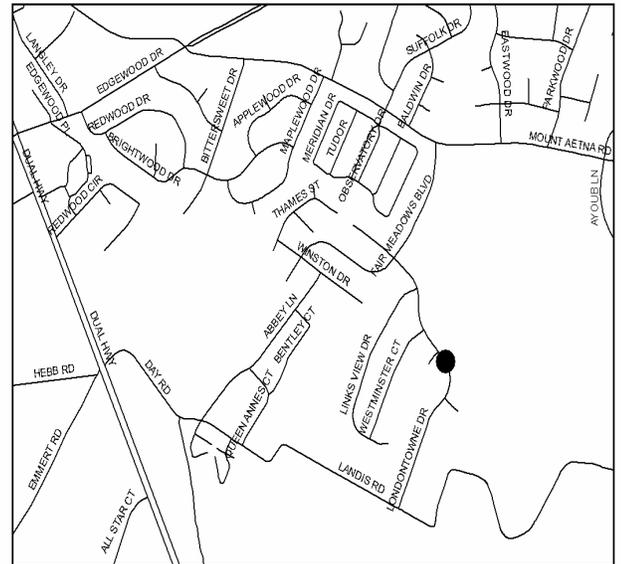
Project Title: Londontowne Drive Culvert 10/03

Project Number: 1160

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,100	0	0	5,100	0	0	0	0	0
Construction	176,800	0	0	176,800	0	0	0	0	0
Inspection	20,200	0	0	20,200	0	0	0	0	0
Utilities	5,100	0	0	5,100	0	0	0	0	0
Total Cost	207,200	0	0	207,200	0	0	0	0	0

Funding Sources:

General Fund	207,200	0	0	207,200	0	0	0	0	0
Total Funding	207,200	0	0	207,200	0	0	0	0	0

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Drainage



Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>Drainage</u>										
Public Works - Capital Projects										
96	Interstate Industrial Park Stormwater Management	2,760,000	0	0	0	0	0	0	981,900	1,778,100
97	Trego Road Culvert, 4000 Block	184,900	11,200	173,700	0	0	0	0	0	0
98	Stream Restoration at Various Locations	1,821,100	420,800	0	40,800	412,100	0	42,000	424,600	480,800
99	Broadfording Road Culvert, 16500 Block	267,700	0	267,700	0	0	0	0	0	0
100	Trego Mountain Road Culverts	295,800	0	0	295,800	0	0	0	0	0
101	Stormwater Retrofits	8,029,900	0	44,000	852,400	861,000	869,500	878,300	887,000	3,637,700
102	Shank Road Stream Bank Stabilization	156,000	0	0	0	0	0	0	0	156,000
103	Hoffmaster Road Drainage	723,300	0	0	0	0	0	0	0	723,300
104	Harpers Ferry Road Drainage	381,100	0	0	0	0	0	0	0	381,100
	Public Works - Capital Projects Total	14,619,800	432,000	485,400	1,189,000	1,273,100	869,500	920,300	2,293,500	7,157,000
	Drainage Total	14,619,800	432,000	485,400	1,189,000	1,273,100	869,500	920,300	2,293,500	7,157,000
	TOTAL	14,619,800	432,000	485,400	1,189,000	1,273,100	869,500	920,300	2,293,500	7,157,000
Funding Sources										
	General Fund	5,816,100	432,000	44,000	1,189,000	0	869,500	920,300	1,311,600	1,049,700
	Tax Supported Bond	6,151,600	0	441,400	0	0	0	0	491,900	5,218,300
	Capital Reserve - General	1,273,100	0	0	0	1,273,100	0	0	0	0
	Contributions	1,379,000	0	0	0	0	0	0	490,000	889,000
	TOTAL	14,619,800	432,000	485,400	1,189,000	1,273,100	869,500	920,300	2,293,500	7,157,000

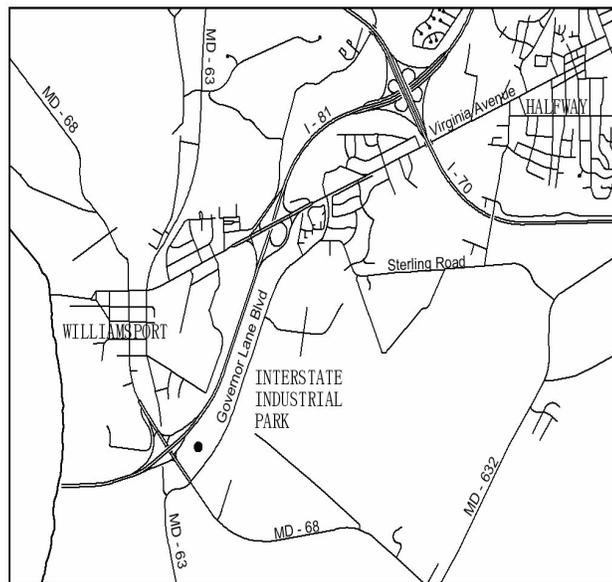
Project Title: Interstate Industrial Park Stormwater Management

Project Number: 10

Account Number: DNG012

Projected Annual FTE's:

Projected Operating Costs: 2016



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 private developer. Full project costs are shown, developer share may be 52%.

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

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	530,800	0	0	0	0	0	0	530,800	0
Construction	2,149,600	0	0	0	0	0	0	371,500	1,778,100
Inspection	79,600	0	0	0	0	0	0	79,600	0
Total Cost	2,760,000	0	0	0	0	0	0	981,900	1,778,100

Funding Sources:

Tax Supported Bond	1,381,000	0	0	0	0	0	0	491,900	889,100
Contributions	1,379,000	0	0	0	0	0	0	490,000	889,000
Total Funding	2,760,000	0	0	0	0	0	0	981,900	1,778,100

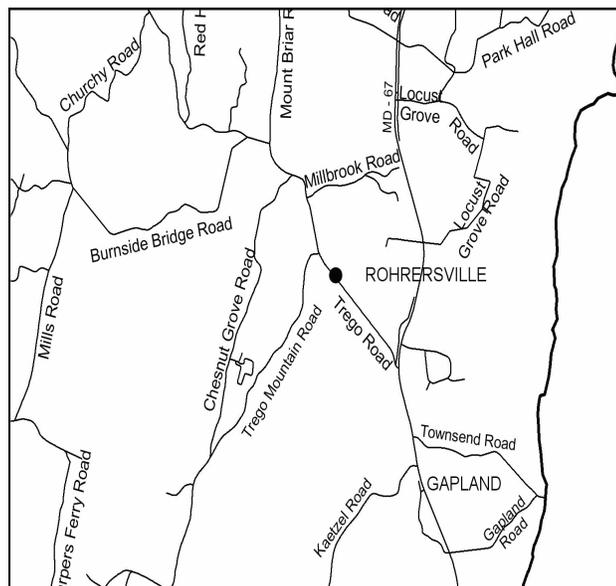
Project Title: Trego Road Culvert, 4000 Block

Project Number: 963

Account Number: DNG033

Projected Annual FTE's:

Projected Operating Costs: 13,600



Description:

This project is located in the 4000 block of Trego Road (ADC Map 35, Grid B-5). Replace the existing concrete slab bridge with a reinforced concrete pipe and headwalls.

Assumptions & Justifications:

It is assumed that this project will be combined with the Trego Road culvert 08/06 and Mt. Lena Road bridge 16/05 projects for bidding purposes.

Needed to replace structure that is nearing the end of its useful life. Although the Highway Department has recently made some repairs, due to the type of the structure, no practical long term repair options exist.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	145,400	0	145,400	0	0	0	0	0	0
Inspection	28,300	0	28,300	0	0	0	0	0	0
Utilities	6,100	6,100	0	0	0	0	0	0	0
Total Cost	184,900	11,200	173,700	0	0	0	0	0	0

Funding Sources:

General Fund	11,200	11,200	0	0	0	0	0	0	0
Tax Supported Bond	173,700	0	173,700	0	0	0	0	0	0
Total Funding	184,900	11,200	173,700	0	0	0	0	0	0

Project Title: Stream Restoration at Various Locations

Project Number: 1009

Account Number: DNG030

Projected Annual FTE's:

Projected Operating Costs: 2010

Description:

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

Assumptions & Justifications:

These fund would be leveraged with state or federal grant opportunities for water quality improvement where possible.

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	166,900	40,800	0	40,800	0	0	42,000	0	43,300
Construction	1,654,200	380,000	0	0	412,100	0	0	424,600	437,500
Total Cost	1,821,100	420,800	0	40,800	412,100	0	42,000	424,600	480,800

Funding Sources:

General Fund	1,409,000	420,800	0	40,800	0	0	42,000	424,600	480,800
Capital Reserve - General	412,100	0	0	0	412,100	0	0	0	0
Total Funding	1,821,100	420,800	0	40,800	412,100	0	42,000	424,600	480,800

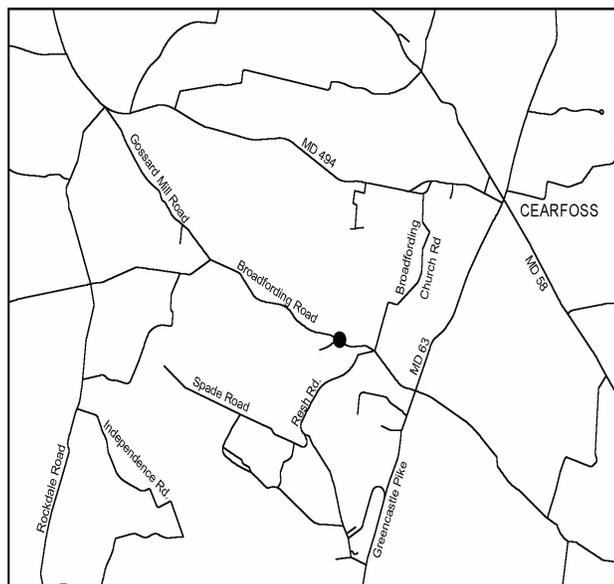
Project Title: Broadfording Road Culvert, 16500 Block

Project Number: 1035

Account Number: DNG041

Projected Annual FTE's:

Projected Operating Costs: 2009



Description:

This project is located at the 16500 block of Broadfording Road (ADC Map 9, Grid B-10). Replace corrugated metal pipe with concrete pipe and replace deteriorated masonry headwall with new concrete headwalls. Upgraded traffic barrier will be added to improve safety.

Assumptions & Justifications:

Need to replace structure that is nearing the end of its useful life. Due to structure type and size, no practical long term repair options exist. The roadway has begun to settle near the deteriorated headwall.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	2,000	0	2,000	0	0	0	0	0	0
Construction	237,400	0	237,400	0	0	0	0	0	0
Inspection	22,200	0	22,200	0	0	0	0	0	0
Utilities	6,100	0	6,100	0	0	0	0	0	0
Total Cost	267,700	0	267,700	0	0	0	0	0	0

Funding Sources:

Tax Supported Bond	267,700	0	267,700	0	0	0	0	0	0
Total Funding	267,700	0	267,700	0	0	0	0	0	0

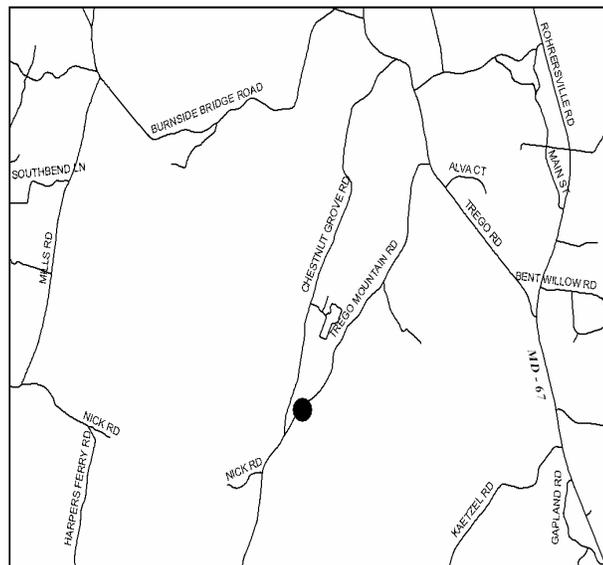
Project Title: Trego Mountain Road Culverts

Project Number: 1098

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 and size, and need for new headwalls, no practical repair option exists.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

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

Funding Sources:

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

Project Title: Stormwater Retrofits**Project Number: 1125****Account Number: DNG039****Projected Annual FTE's:****Projected Operating Costs: 213,339****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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	251,000	0	24,000	24,200	24,500	24,700	25,000	25,200	103,400
Land Acquisition	209,200	0	20,000	20,200	20,400	20,600	20,800	21,000	86,200
Construction	7,569,700	0	0	808,000	816,100	824,200	832,500	840,800	3,448,100
Total Cost	8,029,900	0	44,000	852,400	861,000	869,500	878,300	887,000	3,637,700

Funding Sources:

General Fund	3,531,200	0	44,000	852,400	0	869,500	878,300	887,000	0
Tax Supported Bond	3,637,700	0	0	0	0	0	0	0	3,637,700
Capital Reserve - General	861,000	0	0	0	861,000	0	0	0	0
Total Funding	8,029,900	0	44,000	852,400	861,000	869,500	878,300	887,000	3,637,700

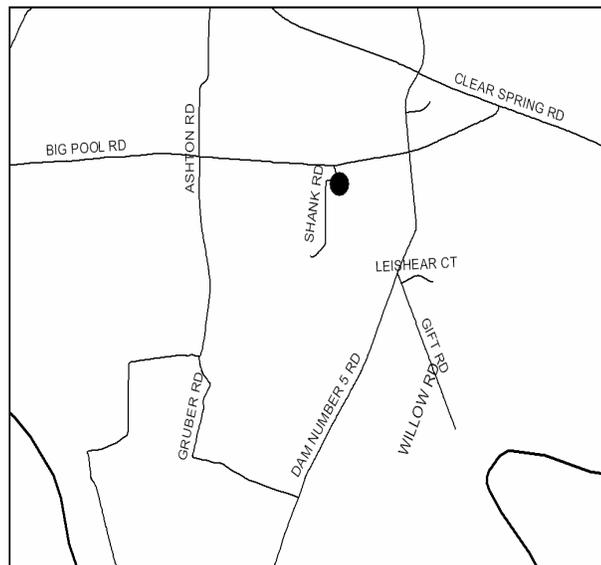
Project Title: Shank Road Stream Bank Stabilization

Project Number: 1134

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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:

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	2,100	0	0	0	0	0	0	0	2,100
Construction	132,700	0	0	0	0	0	0	0	132,700
Inspection	21,200	0	0	0	0	0	0	0	21,200
Total Cost	156,000	0	156,000						

Funding Sources:

General Fund	156,000	0	0	0	0	0	0	0	156,000
Total Funding	156,000	0	156,000						

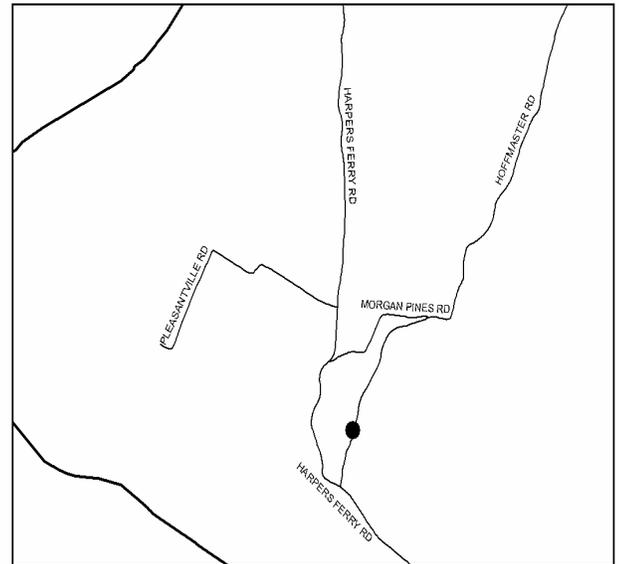
Project Title: Hoffmaster Road Drainage

Project Number: 1135

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

This project is located in the 700 block of Hoffmaster Road (ADC Map 36, F-9). Stabilize stream bank and roadway embankment.

Assumptions & Justifications:

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	10,600	0	0	0	0	0	0	0	10,600
Construction	627,200	0	0	0	0	0	0	0	627,200
Inspection	64,300	0	0	0	0	0	0	0	64,300
Utilities	21,200	0	0	0	0	0	0	0	21,200
Total Cost	723,300	0	723,300						

Funding Sources:

General Fund	31,800	0	0	0	0	0	0	0	31,800
Tax Supported Bond	691,500	0	0	0	0	0	0	0	691,500
Total Funding	723,300	0	723,300						

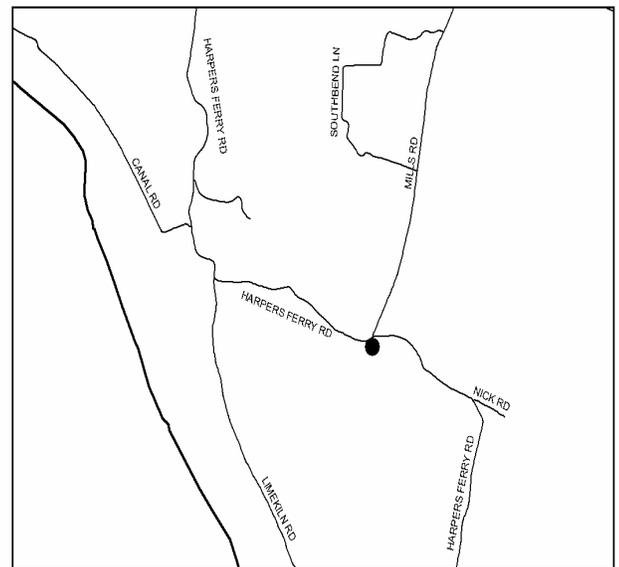
Project Title: Harpers Ferry Road Drainage

Project Number: 1136

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

This project is located in the 700 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	10,600	0	0	0	0	0	0	0	10,600
Construction	278,800	0	0	0	0	0	0	0	278,800
Inspection	38,600	0	0	0	0	0	0	0	38,600
Utilities	53,100	0	0	0	0	0	0	0	53,100
Total Cost	381,100	0	381,100						

Funding Sources:

General Fund	381,100	0	0	0	0	0	0	0	381,100
Total Funding	381,100	0	381,100						

Education



Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
Education										
Board of Education										
106	Relocatable Classrooms	3,199,700	0	0	102,000	360,600	364,200	367,900	371,500	1,633,500
107	Capital Maintenance - BOE	6,241,500	958,000	505,000	510,100	515,200	520,300	525,500	530,800	2,176,600
108	Ruth Ann Monroe Primary (New School)	24,533,200	21,654,700	2,878,500	0	0	0	0	0	0
109	East City High (New School)	36,528,800	0	0	0	0	0	0	530,800	35,998,000
110	Bester Elementary (Replacement School)	22,446,000	693,200	7,937,000	10,864,100	2,951,700	0	0	0	0
111	South County Elementary School - Phase I	19,512,000	0	0	0	0	156,100	1,392,600	8,762,900	9,200,400
112	West City Elementary School - Phase I	19,292,100	0	151,500	1,377,200	7,761,950	7,598,750	2,402,700	0	0
113	South County Elementary - Phase II	5,589,300	0	0	0	0	0	0	0	5,589,300
114	Sharpsburg Elementary School- Modernization	13,420,600	0	0	0	0	0	0	0	13,420,600
115	Boonsboro High School - Modernization	276,200	0	0	0	0	0	0	0	276,200
Board of Education Total		151,039,400	23,305,900	11,472,000	12,853,400	11,589,450	8,639,350	4,688,700	10,196,000	68,294,600
Hagerstown Community College										
116	Campus Operations Building	5,242,500	0	0	0	0	0	327,800	4,914,700	0
117	Student Center Expansion	8,349,000	482,200	373,600	0	3,727,950	3,765,250	0	0	0
118	Learning Resource Center Renovation	4,817,100	0	0	0	307,000	4,510,100	0	0	0
119	ARCC HVAC	1,901,700	0	0	0	0	0	0	0	1,901,700
120	ARCC Addition	7,257,000	0	0	0	0	0	0	0	7,257,000
121	Technology Center Renovation	6,237,000	0	0	0	0	0	0	0	6,237,000
122	Police, Fire and Emergency Services Training Facility	14,146,400	0	0	0	0	625,600	8,803,700	328,200	4,388,900
123	ARCC Roof Replacement	705,500	0	705,500	0	0	0	0	0	0
Hagerstown Community College Total		48,656,200	482,200	1,079,100	0	4,034,950	8,900,950	9,131,500	5,242,900	19,784,600
Public Libraries										
124	Systemic Projects - Library	369,100	0	16,300	20,000	23,800	31,400	38,900	37,200	201,500
125	Hancock Public Library Replacement	2,582,700	0	0	0	0	0	0	0	2,582,700
Public Libraries Total		2,951,800	0	16,300	20,000	23,800	31,400	38,900	37,200	2,784,200
Education Total		202,647,400	23,788,100	12,567,400	12,873,400	15,648,200	17,571,700	13,859,100	15,476,100	90,863,400
TOTAL		202,647,400	23,788,100	12,567,400	12,873,400	15,648,200	17,571,700	13,859,100	15,476,100	90,863,400
Funding Sources										
	General Fund	2,521,600	637,300	0	4,000	364,400	171,400	6,800	0	1,337,700
	Tax Supported Bond	63,160,800	4,177,300	2,639,300	6,874,300	5,736,300	5,959,700	3,539,400	3,626,800	30,607,700
	Transfer Tax	6,310,000	19,100	0	496,000	0	0	1,300,000	1,194,900	3,300,000
	Excise Tax - Schools	15,056,200	3,348,200	1,150,000	575,000	708,000	842,000	1,108,000	1,375,000	5,950,000
	Excise Tax - Library	351,000	0	16,300	16,000	20,000	24,200	32,100	37,200	205,200
	Excise Tax - Non-Residential	4,400,000	0	0	0	0	200,000	500,000	700,000	3,000,000
	Capital Reserve - General	4,290,000	3,529,200	230,000	0	0	0	0	530,800	0
	State Grant	105,975,000	12,077,000	8,531,800	4,908,100	8,819,500	10,374,400	7,372,800	8,011,400	45,880,000
	Contributions	582,800	0	0	0	0	0	0	0	582,800
TOTAL		202,647,400	23,788,100	12,567,400	12,873,400	15,648,200	17,571,700	13,859,100	15,476,100	90,863,400

Project Title: Relocatable Classrooms

Project Number: 80

Account Number: SCH008

Projected Annual FTE's: 46.0

Projected Operating Costs: 15,700

Description:

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

Assumptions & Justifications:

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Construction	3,199,700	0	0	102,000	360,600	364,200	367,900	371,500	1,633,500
Total Cost	3,199,700	0	0	102,000	360,600	364,200	367,900	371,500	1,633,500
Funding Sources:									
General Fund	1,404,100	0	0	0	360,600	164,200	0	0	879,300
Tax Supported Bond	200,000	0	0	0	0	200,000	0	0	0
Transfer Tax	473,500	0	0	102,000	0	0	0	371,500	0
Excise Tax - Schools	375,200	0	0	0	0	0	0	0	375,200
Excise Tax - Non-Residential	746,900	0	0	0	0	0	367,900	0	379,000
Total Funding	3,199,700	0	0	102,000	360,600	364,200	367,900	371,500	1,633,500

Project Title: Capital Maintenance - BOE

Project Number: 81

Account Number: SCH006

Projected Annual FTE's:

Projected Operating Costs:

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:

On going maintenance improvements of the system outside of the General Fund budget.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Construction	6,241,500	958,000	505,000	510,100	515,200	520,300	525,500	530,800	2,176,600
Total Cost	6,241,500	958,000	505,000	510,100	515,200	520,300	525,500	530,800	2,176,600
Funding Sources:									
General Fund	150,000	150,000	0	0	0	0	0	0	0
Capital Reserve - General	250,000	250,000	0	0	0	0	0	0	0
State Grant	5,841,500	558,000	505,000	510,100	515,200	520,300	525,500	530,800	2,176,600
Total Funding	6,241,500	958,000	505,000	510,100	515,200	520,300	525,500	530,800	2,176,600

Project Title: Ruth Ann Monroe Primary (New School)

Project Number: 85

Account Number: SCH025

Projected Annual FTE's: 36.5

Projected Operating Costs: 460,300



Description:

New school construction of an 81,000 square foot primary school building to house pre-kindergarten through second grade. The school will be partnered with Eastern Elementary which will house third through fifth grade. Provisions have been made in this budget request to include an expanded gymnasium in partnership with the Buildings, Grounds and Parks Department.

Assumptions & Justifications:

Residential development has caused enrollment increases on the east side of the City of Hagerstown, resulting in many of the schools being over capacity. This school will alleviate this problem.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	1,795,800	1,795,800	0	0	0	0	0	0	0
Construction	20,571,100	18,242,600	2,328,500	0	0	0	0	0	0
Inspection	100,000	100,000	0	0	0	0	0	0	0
Equipment/Furniture	856,000	306,000	550,000	0	0	0	0	0	0
Utilities	310,300	310,300	0	0	0	0	0	0	0
Contingency	900,000	900,000	0	0	0	0	0	0	0
Total Cost	24,533,200	21,654,700	2,878,500	0	0	0	0	0	0

Funding Sources:

General Fund	487,300	487,300	0	0	0	0	0	0	0
Tax Supported Bond	3,108,300	3,108,300	0	0	0	0	0	0	0
Excise Tax - Schools	3,348,200	3,348,200	0	0	0	0	0	0	0
Capital Reserve - General	3,270,400	3,191,900	78,500	0	0	0	0	0	0
State Grant	14,319,000	11,519,000	2,800,000	0	0	0	0	0	0
Total Funding	24,533,200	21,654,700	2,878,500	0	0	0	0	0	0

Project Title: East City High (New School)

Project Number: 86

Account Number:

Projected Annual FTE's: 15.0

Projected Operating Costs: 1,500,000

Description:

Provides a new 155,280 square foot 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	3,343,100	0	0	0	0	0	0	530,800	2,812,300
Construction	28,794,600	0	0	0	0	0	0	0	28,794,600
Equipment/Furniture	4,391,100	0	0	0	0	0	0	0	4,391,100
Total Cost	36,528,800	0	0	0	0	0	0	530,800	35,998,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	13,002,200	0	0	0	0	0	0	0	13,002,200
Transfer Tax	1,600,000	0	0	0	0	0	0	0	1,600,000
Excise Tax - Schools	3,974,800	0	0	0	0	0	0	0	3,974,800
Excise Tax - Non-Residential	1,621,000	0	0	0	0	0	0	0	1,621,000
Capital Reserve - General	530,800	0	0	0	0	0	0	530,800	0
State Grant	15,800,000	0	0	0	0	0	0	0	15,800,000
Total Funding	36,528,800	0	0	0	0	0	0	530,800	35,998,000

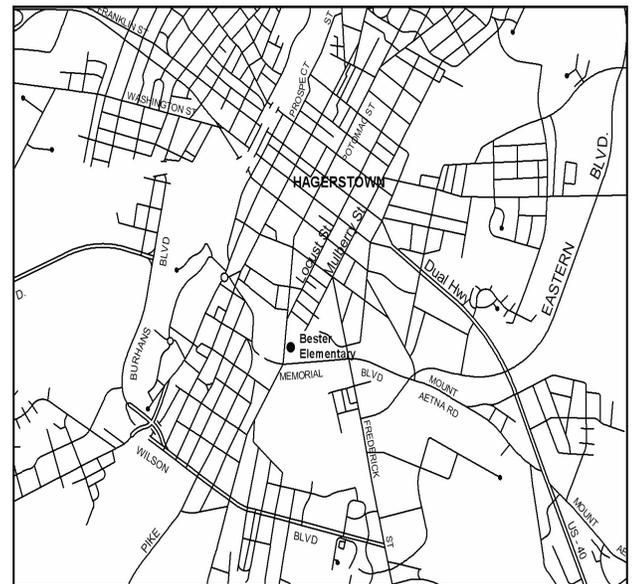
Project Title: Bester Elementary (Replacement School)

Project Number: 89

Account Number: SCH031

Projected Annual FTE's: 6.0

Projected Operating Costs: 707,600



Description:

Construct a new 71,671 square foot 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:

State funding projected at \$10,196,000, based on current cost estimate.

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 creates 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	1,701,500	693,200	557,500	357,000	93,800	0	0	0	0
Construction	19,609,000	0	7,379,500	9,997,000	2,232,500	0	0	0	0
Equipment/Furniture	1,135,500	0	0	510,100	625,400	0	0	0	0
Total Cost	22,446,000	693,200	7,937,000	10,864,100	2,951,700	0	0	0	0

Funding Sources:

Tax Supported Bond	9,729,700	605,900	2,389,000	5,891,100	843,700	0	0	0	0
Excise Tax - Schools	2,433,000	0	1,150,000	575,000	708,000	0	0	0	0
Capital Reserve - General	87,300	87,300	0	0	0	0	0	0	0
State Grant	10,196,000	0	4,398,000	4,398,000	1,400,000	0	0	0	0
Total Funding	22,446,000	693,200	7,937,000	10,864,100	2,951,700	0	0	0	0

Project Title: South County Elementary School - Phase I

Project Number: 940

Account Number:

Projected Annual FTE's: 42.0

Projected Operating Costs: 913,500

Description:

3-Round, Pre-K - 5 grade school. School will be 63,818 square foot and house 471 students, with a core space sized for a 5-round school to accommodate future expansion. Provisions have been made within this budget request to include an expanded gymnasium for community use in partnership with the Buildings, Grounds and Parks Department.

Assumptions & Justifications:

Land and off-site appurtenance needs have not been identified, and the cost of such is not included in this budget.

Continued housing development in the south county region is causing enrollment growth requiring the need for increased seat capacity.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	1,594,900	0	0	0	0	156,100	867,100	270,700	301,000
Construction	16,619,200	0	0	0	0	0	525,500	8,492,200	7,601,500
Equipment/Furniture	1,297,900	0	0	0	0	0	0	0	1,297,900
Total Cost	19,512,000	0	0	0	0	156,100	1,392,600	8,762,900	9,200,400

Funding Sources:

Tax Supported Bond	5,545,700	0	0	0	0	156,100	284,600	1,633,600	3,471,400
Transfer Tax	823,400	0	0	0	0	0	0	823,400	0
Excise Tax - Schools	2,483,000	0	0	0	0	0	1,108,000	1,375,000	0
Excise Tax - Non-Residential	566,900	0	0	0	0	0	0	566,900	0
State Grant	10,093,000	0	0	0	0	0	0	4,364,000	5,729,000
Total Funding	19,512,000	0	0	0	0	156,100	1,392,600	8,762,900	9,200,400

Project Title: West City Elementary School - Phase I**Project Number:** 950**Account Number:** SCH032**Projected Annual FTE's:** 42.0**Projected Operating Costs:** 579,200**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.

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	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Engineering/Design	1,607,600	0	151,500	867,100	283,300	221,600	84,100	0	0
Construction	16,739,100	0	0	510,100	7,478,650	7,009,850	1,740,500	0	0
Equipment/Furniture	945,400	0	0	0	0	367,300	578,100	0	0
Total Cost	19,292,100	0	151,500	1,377,200	7,761,950	7,598,750	2,402,700	0	0
Funding Sources:									
Tax Supported Bond	7,679,500	0	0	983,200	3,397,950	2,392,750	905,600	0	0
Transfer Tax	394,000	0	0	394,000	0	0	0	0	0
Excise Tax - Schools	842,000	0	0	0	0	842,000	0	0	0
Excise Tax - Non-Residential	132,100	0	0	0	0	0	132,100	0	0
Capital Reserve - General	151,500	0	151,500	0	0	0	0	0	0
State Grant	10,093,000	0	0	0	4,364,000	4,364,000	1,365,000	0	0
Total Funding	19,292,100	0	151,500	1,377,200	7,761,950	7,598,750	2,402,700	0	0

Project Title: South County Elementary - Phase II

Project Number: 1110

Account Number:

Projected Annual FTE's:

Projected Operating Costs: 40,000

Description:

This project adds onto South County Elementary - Phase I to provide for 274 additional students. An additional 17,682 s.f. will enlarge this school to a total capacity of 745 students, which will move it from a 3-round to a 5-round school.

Assumptions & Justifications:

Cost does not include land or off-site work, most of which would be addressed before the Phase I construction.

Projected enrollment increases in the Boonsboro/Keedysville area of the county.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Architect Fees	183,200	0	0	0	0	0	0	0	183,200
Construction	5,037,500	0	0	0	0	0	0	0	5,037,500
Equipment/Furniture	368,600	0	0	0	0	0	0	0	368,600
Total Cost	5,589,300	0	0	0	0	0	0	0	5,589,300
Funding Sources:									
Tax Supported Bond	1,948,300	0	0	0	0	0	0	0	1,948,300
State Grant	3,641,000	0	0	0	0	0	0	0	3,641,000
Total Funding	5,589,300	0	0	0	0	0	0	0	5,589,300

Project Title: Sharpsburg Elementary School- Modernization

Project Number: 1114

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Renovation of 31,684 square feet of existing building and addition of 16,630 square feet of classroom and core space.

Assumptions & Justifications:

Growth in the southern part of the county and age of school.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Architect Fees	1,039,500	0	0	0	0	0	0	0	1,039,500
Construction	11,941,500	0	0	0	0	0	0	0	11,941,500
Equipment/Furniture	439,600	0	0	0	0	0	0	0	439,600
Total Cost	13,420,600	0	13,420,600						

Funding Sources:

Tax Supported Bond	3,920,600	0	0	0	0	0	0	0	3,920,600
Transfer Tax	1,700,000	0	0	0	0	0	0	0	1,700,000
Excise Tax - Schools	1,600,000	0	0	0	0	0	0	0	1,600,000
State Grant	6,200,000	0	0	0	0	0	0	0	6,200,000
Total Funding	13,420,600	0	13,420,600						

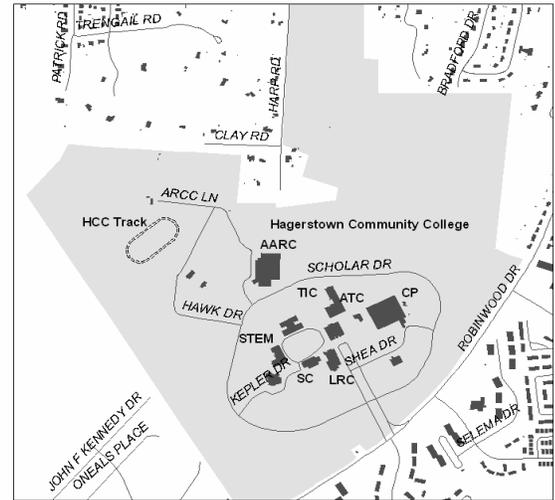
Project Title: Campus Operations Building

Project Number: 94

Account Number:

Projected Annual FTE's: 2.0

Projected Operating Costs: 166,750



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	327,800	0	0	0	0	0	327,800	0	0
Construction	4,615,900	0	0	0	0	0	0	4,615,900	0
Equipment/Furniture	298,800	0	0	0	0	0	0	298,800	0
Total Cost	5,242,500	0	0	0	0	0	327,800	4,914,700	0

Funding Sources:

Tax Supported Bond	2,124,200	0	0	0	0	0	131,000	1,993,200	0
State Grant	3,118,300	0	0	0	0	0	196,800	2,921,500	0
Total Funding	5,242,500	0	0	0	0	0	327,800	4,914,700	0

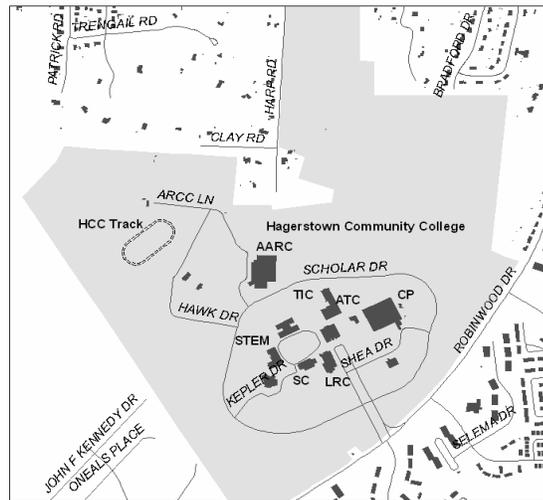
Project Title: Student Center Expansion

Project Number: 95

Account Number: COL019

Projected Annual FTE's: 2.0

Projected Operating Costs: 295,700



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Architect Fees	855,800	482,200	373,600	0	0	0	0	0	0
Construction	6,690,800	0	0	0	3,328,750	3,362,050	0	0	0
Equipment/Furniture	802,400	0	0	0	399,200	403,200	0	0	0
Total Cost	8,349,000	482,200	373,600	0	3,727,950	3,765,250	0	0	0

Funding Sources:

Tax Supported Bond	3,228,200	463,100	0	0	1,375,650	1,389,450	0	0	0
Transfer Tax	19,100	19,100	0	0	0	0	0	0	0
State Grant	5,101,700	0	373,600	0	2,352,300	2,375,800	0	0	0
Total Funding	8,349,000	482,200	373,600	0	3,727,950	3,765,250	0	0	0

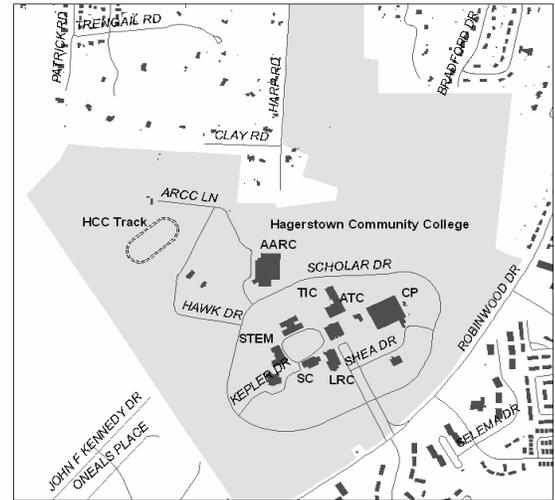
Project Title: Learning Resource Center Renovation

Project Number: 96

Account Number:

Projected Annual FTE's: 2.0

Projected Operating Costs: 101,600



Description:

Programs currently housed in this building will be relocated to the Arts and Sciences Complex. The relocation will allow for the expansion of the Adult Basic Education program and other programs currently housed in the LRC.

Assumptions & Justifications:

Total project cost funding:

State: approximately 63%

County: approximately 37%

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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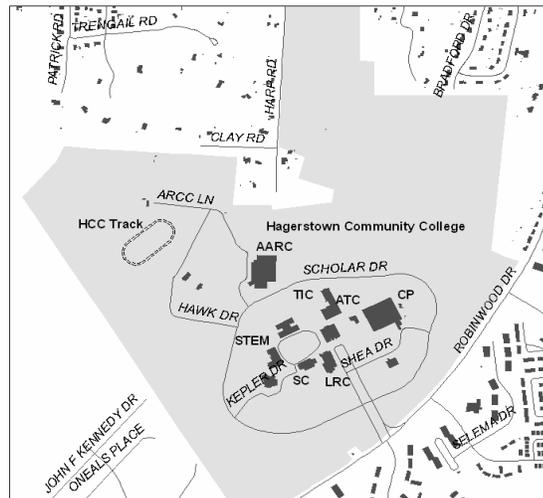
Project Costs:

Architect Fees	307,000	0	0	0	307,000	0	0	0	0
Construction	4,093,900	0	0	0	0	4,093,900	0	0	0
Equipment/Furniture	416,200	0	0	0	0	416,200	0	0	0
Total Cost	4,817,100	0	0	0	307,000	4,510,100	0	0	0

Funding Sources:

Tax Supported Bond	1,894,200	0	0	0	119,000	1,775,200	0	0	0
State Grant	2,922,900	0	0	0	188,000	2,734,900	0	0	0
Total Funding	4,817,100	0	0	0	307,000	4,510,100	0	0	0

Project Title: ARCC HVAC
Project Number: 259
Account Number:
Projected Annual FTE's:
Projected Operating Costs: 68,525



Description:

Due to limited capital funding during construction, the ARCC building is not completely air conditioned. The lack of air conditioning in the gymnasium limits opportunities for college events and rental income. The temperature generated when a large crowd gathers is very uncomfortable, affecting not only the spectators, but athletes as well, and generates many complaints from community members and students. This project will provide an upgrade to the existing HVAC, and add cooling to the portions of the building not currently air conditioned. High capacity cooling will be supplied to the gymnasium to improve conditions during large events and warm days.

Assumptions & Justifications:

State Funding - 63.1%
 County Funding - 36.9%

A variety of large-scale and community activities take place in the ARCC.

Note: Project 259 and 263 have been combined. The roof portion of the original project has been removed and is being submitted as a separate project.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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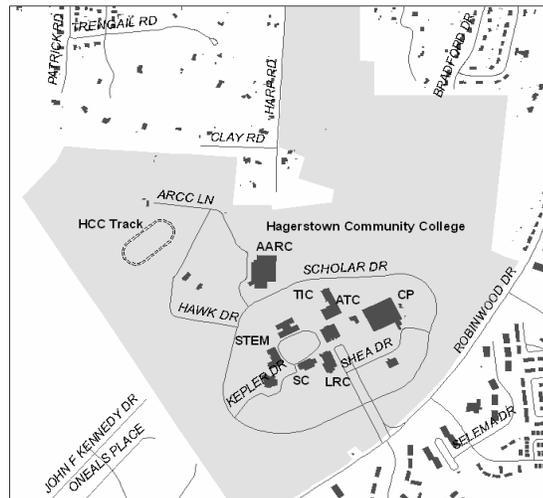
Project Costs:

Engineering/Design	129,900	0	0	0	0	0	0	0	129,900
Construction	1,771,800	0	0	0	0	0	0	0	1,771,800
Total Cost	1,901,700	0	1,901,700						

Funding Sources:

General Fund	129,900	0	0	0	0	0	0	0	129,900
Tax Supported Bond	595,500	0	0	0	0	0	0	0	595,500
State Grant	1,176,300	0	0	0	0	0	0	0	1,176,300
Total Funding	1,901,700	0	1,901,700						

Project Title: ARCC Addition
Project Number: 266
Account Number:
Projected Annual FTE's: 1.0
Projected Operating Costs: 169,109



Description:

The campus includes the ARCC which was constructed in 1988-89 and consists of approximately 84,976 square feet. A variety of activities occur in the ARCC including credit and non-credit educational offerings and athletic events. Also housed within the facility is the Washington County Recreation Department (WCRD). Approximately 50% of the WCRD recreational programs takes place in the ARCC, as well as a number of community and special events.

The facility is in need of additional athletic, assembly, and multipurpose space.

Assumptions & Justifications:

State Funding - 63.1%
 County Funding - 36.9%

To increase programming for the College, WCRD, and community events, the facility must be expanded to accommodate and increase the high level of usage for educational offerings, College and high school athletic events, county recreational programming, and community/special events.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Architect Fees	436,600	0	0	0	0	0	0	0	436,600
Construction	6,273,600	0	0	0	0	0	0	0	6,273,600
Equipment/Furniture	546,800	0	0	0	0	0	0	0	546,800
Total Cost	7,257,000	0	7,257,000						

Funding Sources:

General Fund	182,200	0	0	0	0	0	0	0	182,200
Tax Supported Bond	3,137,300	0	0	0	0	0	0	0	3,137,300
State Grant	3,937,500	0	0	0	0	0	0	0	3,937,500
Total Funding	7,257,000	0	7,257,000						

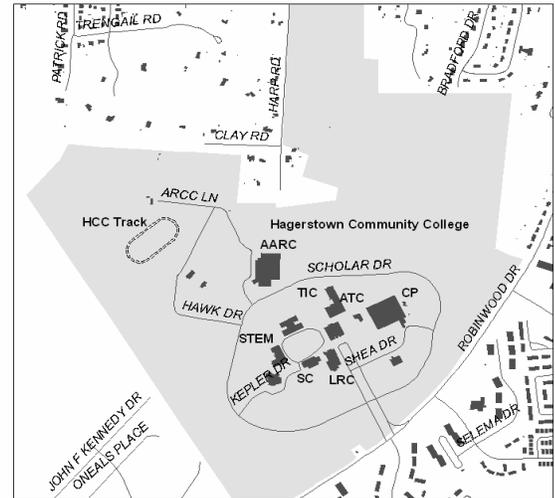
Project Title: Technology Center Renovation

Project Number: 953

Account Number:

Projected Annual FTE's:

Projected Operating Costs: 204,131



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 3360 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	390,000	0	0	0	0	0	0	0	390,000
Construction	5,218,900	0	0	0	0	0	0	0	5,218,900
Equipment/Furniture	628,100	0	0	0	0	0	0	0	628,100
Total Cost	6,237,000	0	6,237,000						

Funding Sources:

Tax Supported Bond	2,600,400	0	0	0	0	0	0	0	2,600,400
State Grant	3,636,600	0	0	0	0	0	0	0	3,636,600
Total Funding	6,237,000	0	6,237,000						

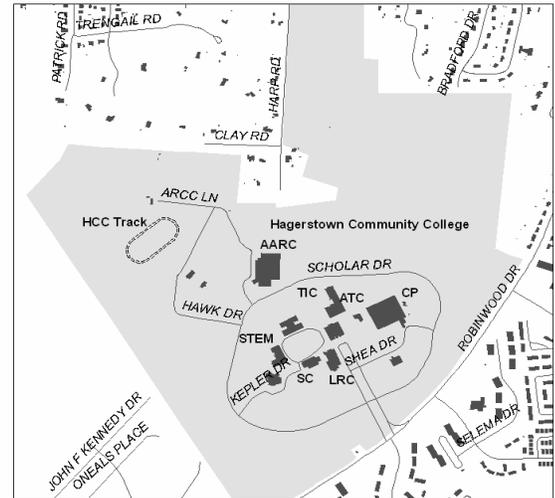
Project Title: Police, Fire and Emergency Services Training Facility

Project Number: 955

Account Number:

Projected Annual FTE's: 2.0

Projected Operating Costs: 843,800



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	953,800	0	0	0	0	625,600	0	328,200	0
Construction	11,804,100	0	0	0	0	0	8,004,900	0	3,799,200
Equipment/Furniture	1,388,500	0	0	0	0	0	798,800	0	589,700
Total Cost	14,146,400	0	0	0	0	625,600	8,803,700	328,200	4,388,900

Funding Sources:

Tax Supported Bond	3,070,300	0	0	0	0	46,200	2,218,200	0	805,900
Transfer Tax	1,300,000	0	0	0	0	0	1,300,000	0	0
Excise Tax - Non-Residential	1,333,100	0	0	0	0	200,000	0	133,100	1,000,000
State Grant	8,443,000	0	0	0	0	379,400	5,285,500	195,100	2,583,000
Total Funding	14,146,400	0	0	0	0	625,600	8,803,700	328,200	4,388,900

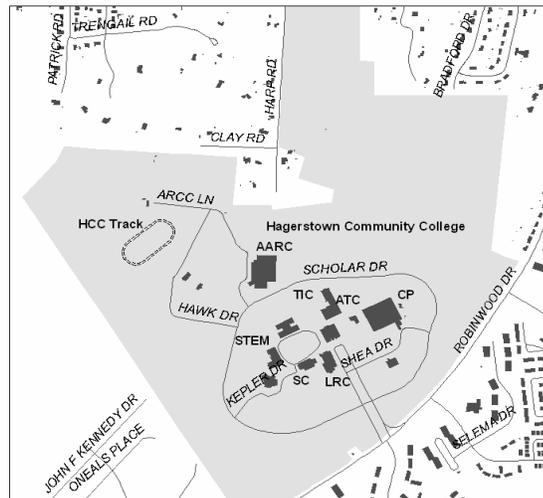
Project Title: ARCC Roof Replacement

Project Number: 1163

Account Number: COL020

Projected Annual FTE's:

Projected Operating Costs: 18,200



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	705,500	0	705,500	0	0	0	0	0	0
Total Cost	705,500	0	705,500	0	0	0	0	0	0

Funding Sources:

Tax Supported Bond	250,300	0	250,300	0	0	0	0	0	0
State Grant	455,200	0	455,200	0	0	0	0	0	0
Total Funding	705,500	0	705,500	0	0	0	0	0	0

Project Title: Systemic Projects - Library

Project Number: 1090

Account Number: BLD075

Projected Annual FTE's:

Projected Operating Costs:

Description:

Future systemic projects could include chillers, boilers, rooftop HVAC units, cooling towers, roof replacements.

Assumptions & Justifications:

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Construction	369,100	0	16,300	20,000	23,800	31,400	38,900	37,200	201,500
Total Cost	369,100	0	16,300	20,000	23,800	31,400	38,900	37,200	201,500
Funding Sources:									
General Fund	168,100	0	0	4,000	3,800	7,200	6,800	0	146,300
Excise Tax - Library	201,000	0	16,300	16,000	20,000	24,200	32,100	37,200	55,200
Total Funding	369,100	0	16,300	20,000	23,800	31,400	38,900	37,200	201,500

Project Title: Hancock Public Library Replacement

Project Number: 1120

Account Number:

Projected Annual FTE's: 0.5

Projected Operating Costs: 8,800



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	212,300	0	0	0	0	0	0	0	212,300
Construction	1,874,900	0	0	0	0	0	0	0	1,874,900
Inspection	116,500	0	0	0	0	0	0	0	116,500
Equipment/Furniture	379,000	0	0	0	0	0	0	0	379,000
Total Cost	2,582,700	0	2,582,700						

Funding Sources:

Tax Supported Bond	849,900	0	0	0	0	0	0	0	849,900
Excise Tax - Library	150,000	0	0	0	0	0	0	0	150,000
State Grant	1,000,000	0	0	0	0	0	0	0	1,000,000
Contributions	582,800	0	0	0	0	0	0	0	582,800
Total Funding	2,582,700	0	2,582,700						

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General Government



Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>General Government</u>										
Accounting										
128	Contingency - General Fund	2,123,600	0	0	0	515,200	0	525,500	0	1,082,900
129	Bond Issuance Costs	1,144,100	253,000	0	99,100	99,000	99,000	99,000	99,000	396,000
130	Financial System Management & Upgrades	561,100	326,500	0	234,600	0	0	0	0	0
131	General - Capital Equipment and Vehicle Replacement Program	451,000	0	200,000	201,000	50,000	0	0	0	0
	Accounting Total	4,279,800	579,500	200,000	534,700	664,200	99,000	624,500	99,000	1,478,900
Bldgs., Grounds & Parks										
132	Chiller Replacement, 100 W. Washington Street	151,100	40,000	111,100	0	0	0	0	0	0
133	Air Conditioning System - County Office Bldg	327,600	196,300	131,300	0	0	0	0	0	0
134	Administration Building Window Weatherproofing	45,500	0	0	45,500	0	0	0	0	0
	Bldgs., Grounds & Parks Total	524,200	236,300	242,400	45,500	0	0	0	0	0
Information Technology										
135	Information Systems Replacement Program	1,610,300	50,500	111,000	117,000	123,000	129,500	157,700	159,200	762,400
136	Accela Software Upgrade	250,000	0	0	250,000	0	0	0	0	0
	Information Technology Total	1,860,300	50,500	111,000	367,000	123,000	129,500	157,700	159,200	762,400
Public Works - Capital Projects										
137	Highway Central Section - New Facility	3,986,500	0	0	0	0	0	0	265,400	3,721,100
138	Survey Global Positioning System Equipment	110,000	0	110,000	0	0	0	0	0	0
139	Fuel Center Replacement - Central Section Highway Maintenance Facility	929,100	0	525,000	404,100	0	0	0	0	0
140	County Administration Bldg Renovations 1st and 2nd Floor	3,220,000	0	185,000	2,025,100	1,009,900	0	0	0	0
141	Redevelopment/Shell Renovation - Massey Bldg - Balt. Street	974,200	0	0	0	0	0	0	414,100	560,100
	Public Works - Capital Projects Total	9,219,800	0	820,000	2,429,200	1,009,900	0	0	679,500	4,281,200
	General Government Total	15,884,100	866,300	1,373,400	3,376,400	1,797,100	228,500	782,200	937,700	6,522,500
	TOTAL	15,884,100	866,300	1,373,400	3,376,400	1,797,100	228,500	782,200	937,700	6,522,500
Funding Sources										
	General Fund	4,786,400	457,600	225,300	598,100	688,200	129,500	683,200	159,200	1,845,300
	Tax Supported Bond	8,666,900	408,700	952,400	753,200	1,008,900	99,000	99,000	778,500	4,567,200
	Excise Tax - Other	110,000	0	0	0	0	0	0	0	110,000
	Excise Tax - Non-Residential	100,000	0	0	0	100,000	0	0	0	0
	Capital Reserve - General	2,220,800	0	195,700	2,025,100	0	0	0	0	0
	TOTAL	15,884,100	866,300	1,373,400	3,376,400	1,797,100	228,500	782,200	937,700	6,522,500

Project Title: Contingency - General Fund

Project Number: 1

Account Number: ADM002

Projected Annual FTE's:

Projected Operating Costs:

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 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	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Contingency	2,123,600	0	0	0	515,200	0	525,500	0	1,082,900
Total Cost	2,123,600	0	0	0	515,200	0	525,500	0	1,082,900
Funding Sources:									
General Fund	2,123,600	0	0	0	515,200	0	525,500	0	1,082,900
Total Funding	2,123,600	0	0	0	515,200	0	525,500	0	1,082,900

Project Title: Bond Issuance Costs

Project Number: 2

Account Number: ADM001

Projected Annual FTE's:

Projected Operating Costs:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Bond Issuance Expense	1,144,100	253,000	0	99,100	99,000	99,000	99,000	99,000	396,000
Total Cost	1,144,100	253,000	0	99,100	99,000	99,000	99,000	99,000	396,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,144,100	253,000	0	99,100	99,000	99,000	99,000	99,000	396,000
Total Funding	1,144,100	253,000	0	99,100	99,000	99,000	99,000	99,000	396,000

Project Title: Financial System Management & Upgrades

Project Number: 969

Account Number: COM019

Projected Annual FTE's: -1.0

Projected Operating Costs: 30,000

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:

Project Descriptions:

Prior and 2014 - Time management system

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Hardware/Software	561,100	326,500	0	234,600	0	0	0	0	0
Total Cost	561,100	326,500	0	234,600	0	0	0	0	0

Funding Sources:

General Fund	561,100	326,500	0	234,600	0	0	0	0	0
Total Funding	561,100	326,500	0	234,600	0	0	0	0	0

Project Title: General - Equipment and Vehicle Replacement Program

Project Number: 1174

Account Number: VEH008

Projected Annual FTE's:

Projected Operating Costs:

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:

2013 approved purchases:

\$32,000 1 Chevrolet Tahoe with light package - fire & rescue operations
 \$22,000 1 One Ton Cargo Van - Information system wireless communications
 \$81,000 3 Three fourths Ton 4wd pickup w/plow - parks
 \$18,000 1 Inspector vehicle - engineering and construction
 \$25,000 2 John Deere Z925A Zero Turn Mower - parks

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	12,500	0	12,500	0	0	0	0	0	0
Vehicles	438,500	0	187,500	201,000	50,000	0	0	0	0
Total Cost	451,000	0	200,000	201,000	50,000	0	0	0	0

Funding Sources:

General Fund	255,300	0	4,300	201,000	50,000	0	0	0	0
Capital Reserve - General	195,700	0	195,700	0	0	0	0	0	0
Total Funding	451,000	0	200,000	201,000	50,000	0	0	0	0

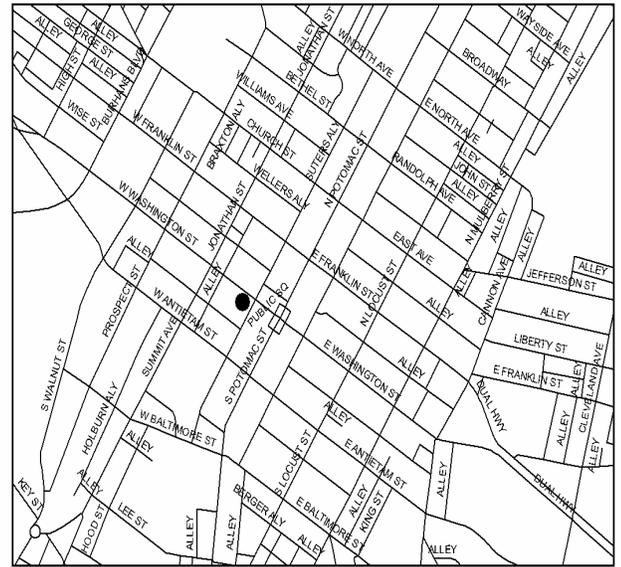
Project Title: Air Conditioning System - County Office Bldg

Project Number: 1085

Account Number: BLD064

Projected Annual FTE's:

Projected Operating Costs:



Description:

FY 12 - 13 - Replace 120 ton chiller located in the basement that provides AC to the 1st, 2nd, and 3rd floors. Project includes engineering, demolition, and removal of existing unit, installation and plumbing.

Assumptions & Justifications:

Project assumes replacement of the unit and additional duct work modifications to create temperature zones consistent with the space use as it has been modified over the years of use.

This was an existing project that was funded previously as BLD014 with a budget of \$37,000.

The existing chiller (1st, 2nd & 3rd floor) is 40+ years old and does not provide reliable cooling to any of the floors. Repair parts are difficult to find and replacement is the most cost effective method to provide reliable cooling to the building.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	60,600	60,600	0	0	0	0	0	0	0
Construction	266,300	135,000	131,300	0	0	0	0	0	0
Other	700	700	0	0	0	0	0	0	0
Total Cost	327,600	196,300	131,300	0	0	0	0	0	0

Funding Sources:

General Fund	40,600	40,600	0	0	0	0	0	0	0
Tax Supported Bond	287,000	155,700	131,300	0	0	0	0	0	0
Total Funding	327,600	196,300	131,300	0	0	0	0	0	0

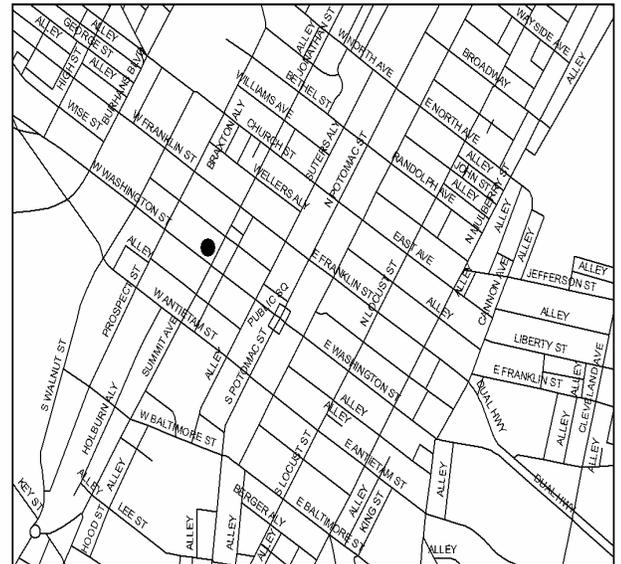
Project Title: Administration Building Window Weatherproofing

Project Number: 1148

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

The project involves re-caulking the exterior perimeter of each window frame and each piece of glass on both the exterior and interior of the building.

Assumptions & Justifications:

Pending General fund monies availability

Currently during rain events with wind the rain seeps around the frames and into the building dripping onto the work space of several offices. With the resealing of the frames and windows this should eliminate the water and also help make the offices more comfortable and ease the heating and cooling of the building due to the draft being eliminated.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	45,500	0	0	45,500	0	0	0	0	0
Total Cost	45,500	0	0	45,500	0	0	0	0	0

Funding Sources:

General Fund	45,500	0	0	45,500	0	0	0	0	0
Total Funding	45,500	0	0	45,500	0	0	0	0	0

Project Title: Information Systems Replacement Program

Project Number: 3

Account Number: COM011

Projected Annual FTE's:

Projected Operating Costs:

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 business applications.

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Hardware/Software	1,610,300	50,500	111,000	117,000	123,000	129,500	157,700	159,200	762,400
Total Cost	1,610,300	50,500	111,000	117,000	123,000	129,500	157,700	159,200	762,400

Funding Sources:

General Fund	1,610,300	50,500	111,000	117,000	123,000	129,500	157,700	159,200	762,400
Total Funding	1,610,300	50,500	111,000	117,000	123,000	129,500	157,700	159,200	762,400

Project Title: **Accela Software Upgrade**

Project Number: **1117**

Account Number:

Projected Annual FTE's:

Projected Operating Costs:

Description:

The County has been using Permits Plus™, a vendor provided 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 and plans for progress, compliance and approvals. This project encompasses upgrading the vendor's ten (10) year old Microsoft Windows based version to the vendor's Web-based Accela Automation™ platform. Also included in the project is an upgrade to the companion integrated voice response (IVR) system. This system provides 24/7 citizen access to Accela Automation™ services and information via a telephone.

Assumptions & Justifications:

We anticipate that with the vendor will waive software upgrade license fees and the annual maintenance software costs will decrease. The majority of the project costs are for data conversion; consultant assistance to create and/or update scripts, work flow, and reporting; administrator and end-user training; replacement hardware; and Microsoft system and database 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Hardware/Software	250,000	0	0	250,000	0	0	0	0	0
Total Cost	250,000	0	0	250,000	0	0	0	0	0

Funding Sources:

Tax Supported Bond	250,000	0	0	250,000	0	0	0	0	0
Total Funding	250,000	0	0	250,000	0	0	0	0	0

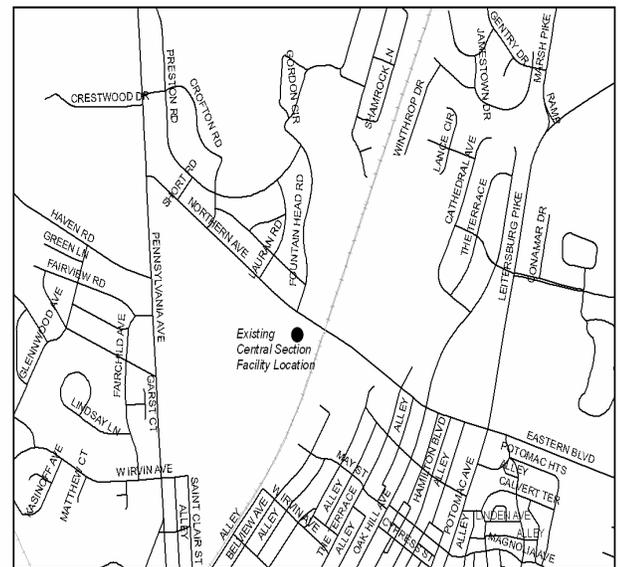
Project Title: Highway Central Section - New Facility

Project Number: 1100

Account Number:

Projected Annual FTE's:

Projected Operating Costs: 40,800



Description:

Project consists of acquisition of land, plan, design, and construction of a new central section highway maintenance facility and a new central fleet maintenance facility. Project will include offices, fleet maintenance facility, vehicle storage facility, vehicle wash station, employee locker room, material and equipment storage building, road salt and material storage bins, sign and traffic signal shop, and other highway and fleet maintenance structures and facilities.

Assumptions & Justifications:

Facility shall be located within the central highway maintenance section service area. The existing facility could be sold or a portion retained for continued operation of the fuel center, pending analysis.

Existing facility is more than 60 years old, land locked and located within a FEMA designated floodplain. These constraints restrict the department from expanding to meet current and projected demands on the department and prevent expansion and renovation of the facility. The proximity to existing streams create unique pollution prevention requirements due to the type of operation and activities performed at the existing facility.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	368,400	0	0	0	0	0	0	0	368,400
Land Acquisition	1,077,500	0	0	0	0	0	0	265,400	812,100
Construction	2,540,600	0	0	0	0	0	0	0	2,540,600
Total Cost	3,986,500	0	0	0	0	0	0	265,400	3,721,100

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	3,876,500	0	0	0	0	0	0	265,400	3,611,100
Excise Tax - Other	110,000	0	0	0	0	0	0	0	110,000
Total Funding	3,986,500	0	0	0	0	0	0	265,400	3,721,100

Project Title: Survey Global Positioning System Equipment

Project Number: 1141

Account Number: EQP045

Projected Annual FTE's:

Projected Operating Costs:

Description:

Upgrade in the survey global positioning system (GPS) equipment and robotic total station. The upgrade will enhance services to several agencies in County government that routinely request survey (Department of Environmental Management - Water Quality and Solid Waste, Highway Department, Department of Plan Review and Permitting, Communications Maintenance Department, Parks and Recreation Department, Hagerstown Regional Airport).

Assumptions & Justifications:

This equipment is used in the field daily and the data retrieved is used to create survey base drawings for public works projects. The GPS equipment is over 12 years old and some components are obsolete, the system has had several malfunctions and failures, and it does not utilize current technology that would improve user efficiency.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	110,000	0	110,000	0	0	0	0	0	0
Total Cost	110,000	0	110,000	0	0	0	0	0	0

Funding Sources:

General Fund	110,000	0	110,000	0	0	0	0	0	0
Total Funding	110,000	0	110,000	0	0	0	0	0	0

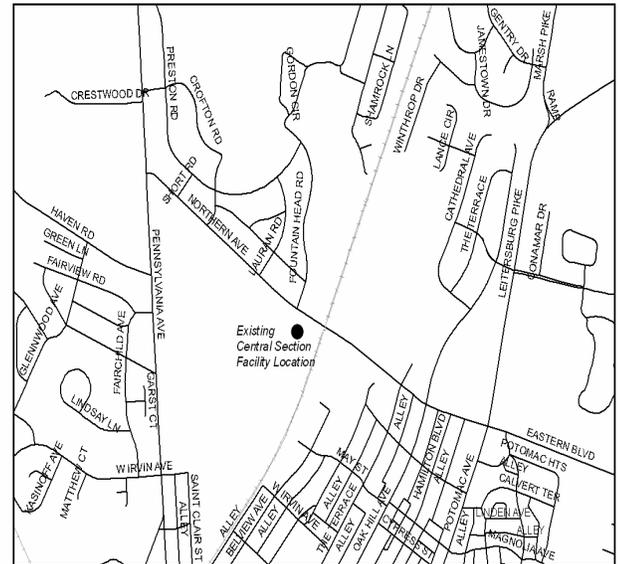
Project Title: Fuel Center - Central Highway Maintenance Facility

Project Number: 1144

Account Number: BLD069

Projected Annual FTE's:

Projected Operating Costs: 41,200



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	125,000	0	125,000	0	0	0	0	0	0
Construction	753,800	0	375,000	378,800	0	0	0	0	0
Inspection	50,300	0	25,000	25,300	0	0	0	0	0
Total Cost	929,100	0	525,000	404,100	0	0	0	0	0

Funding Sources:

Tax Supported Bond	929,100	0	525,000	404,100	0	0	0	0	0
Total Funding	929,100	0	525,000	404,100	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:

Projected Operating Costs: 86,000



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. Improved building security, work flow and air quality/comfort by replacing aging systems.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	185,000	0	185,000	0	0	0	0	0	0
Construction	2,568,800	0	0	1,717,000	851,800	0	0	0	0
Inspection	60,800	0	0	40,400	20,400	0	0	0	0
Equipment/Furniture	405,400	0	0	267,700	137,700	0	0	0	0
Total Cost	3,220,000	0	185,000	2,025,100	1,009,900	0	0	0	0

Funding Sources:

Tax Supported Bond	1,094,900	0	185,000	0	909,900	0	0	0	0
Excise Tax - Non-Residential	100,000	0	0	0	100,000	0	0	0	0
Capital Reserve - General	2,025,100	0	0	2,025,100	0	0	0	0	0
Total Funding	3,220,000	0	185,000	2,025,100	1,009,900	0	0	0	0

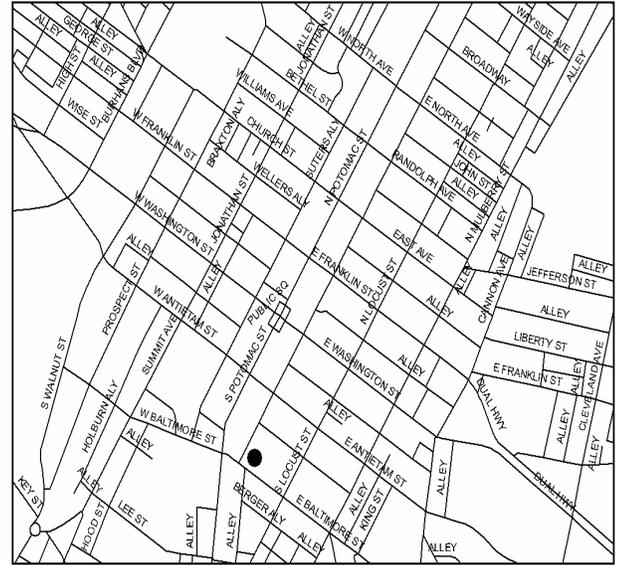
Project Title: **Redevelopment/Renovate Massey Shell Bldg - Balt. St.**

Project Number: **1165**

Account Number:

Projected Annual FTE's:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	942,400	0	0	0	0	0	0	414,100	528,300
Inspection	31,800	0	0	0	0	0	0	0	31,800
Total Cost	974,200	0	0	0	0	0	0	414,100	560,100

Funding Sources:

Tax Supported Bond	974,200	0	0	0	0	0	0	414,100	560,100
Total Funding	974,200	0	0	0	0	0	0	414,100	560,100

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Parks and Recreation



Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>Parks & Recreation</u>										
Bldgs., Grounds & Parks										
144	Black Rock Golf Course Cart Path Overlay	137,100	0	0	68,200	68,900	0	0	0	0
145	Kemps Mill Park	900,300	0	0	0	0	0	104,100	262,800	533,400
146	Woodland Way Park Sidewalk Replacement	24,000	12,000	12,000	0	0	0	0	0	0
147	North Central County Park (north side of Eastern Blvd Extended)	3,459,700	0	0	0	0	82,400	0	0	3,377,300
148	Tree Forestation	61,200	0	20,000	0	20,400	0	20,800	0	0
149	Park Land Acquisition	979,400	0	100,000	101,000	153,000	154,500	208,100	262,800	0
150	Pinesburg Softball Complex	24,000	0	24,000	0	0	0	0	0	0
151	MLS Park Veterans Memorial Retaining Wall	7,500	0	7,500	0	0	0	0	0	0
152	Ag Center Pole Barn 3 - Concrete	38,280	0	38,280	0	0	0	0	0	0
153	Tennis Courts, Resurfacing	20,000	0	20,000	0	0	0	0	0	0
154	MLS Park, Softball Field Lights	385,000	0	385,000	0	0	0	0	0	0
	Bldgs., Grounds & Parks Total	6,036,480	12,000	606,780	169,200	242,300	236,900	333,000	525,600	3,910,700
	Parks & Recreation Total	6,036,480	12,000	606,780	169,200	242,300	236,900	333,000	525,600	3,910,700
	TOTAL	6,036,480	12,000	606,780	169,200	242,300	236,900	333,000	525,600	3,910,700
Funding Sources										
	General Fund	939,980	1,200	74,680	68,200	154,000	191,900	180,000	215,600	54,400
	Tax Supported Bond	3,092,300	0	0	0	0	0	0	0	3,092,300
	Excise Tax - Other	501,000	0	0	0	38,000	45,000	59,000	74,000	285,000
	State Grant	1,251,900	10,800	432,100	0	0	0	94,000	236,000	479,000
	Contributions	251,300	0	100,000	101,000	50,300	0	0	0	0
	TOTAL	6,036,480	12,000	606,780	169,200	242,300	236,900	333,000	525,600	3,910,700

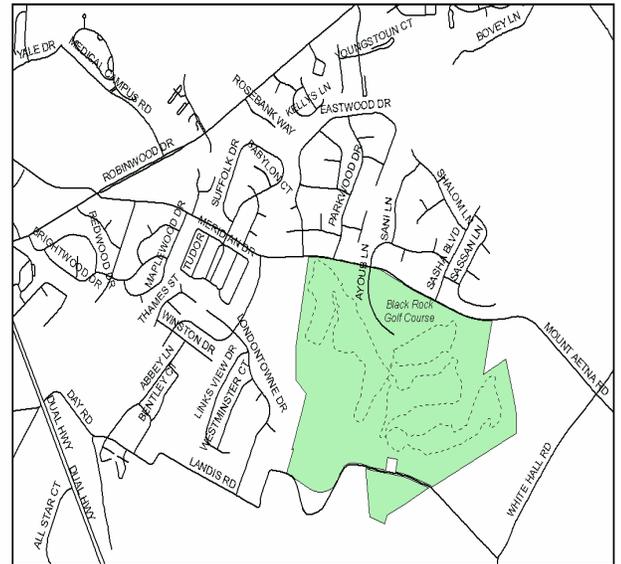
Project Title: Black Rock Golf Course Cart Path Overlay

Project Number: 935

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Patch and Overlay existing Cart Paths with 1 1/2" asphalt. The project will be completed over 2 year budget cycle. First part will include patching and overlay of 12,715 linear feet of 6 foot wide cart path. Second part will include patching and overlay of 12,570 linear feet of 6 foot wide cart path. Total length of cart paths - 25,285 linear feet or 4.78 miles.

Assumptions & Justifications:

Pending POS Approval

The first phase of cart paths were originally paved in 1992, this project included the areas around the tees and greens only. The second phase was paved the following year and included the areas along the fairways and tied the tees and greens together. The asphalt is starting to deteriorate due to age and weather conditions and the most cost effective method for repair is to patch and overlay before the asphalt deteriorates to the point that all the asphalt would need to be removed and replaced.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	137,100	0	0	68,200	68,900	0	0	0	0
Total Cost	137,100	0	0	68,200	68,900	0	0	0	0

Funding Sources:

General Fund	99,100	0	0	68,200	30,900	0	0	0	0
Excise Tax - Other	38,000	0	0	0	38,000	0	0	0	0
Total Funding	137,100	0	0	68,200	68,900	0	0	0	0

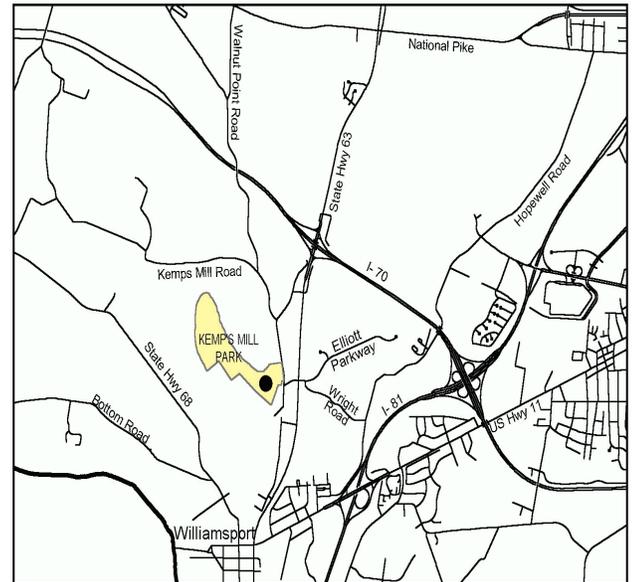
Project Title: Kemps Mill Park

Project Number: 1025

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 now is currently part of the Rubble Landfill which has been closed for several years.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	104,100	0	0	0	0	0	104,100	0	0
Construction	796,200	0	0	0	0	0	0	262,800	533,400
Total Cost	900,300	0	0	0	0	0	104,100	262,800	533,400

Funding Sources:

General Fund	91,300	0	0	0	0	0	10,100	26,800	54,400
State Grant	809,000	0	0	0	0	0	94,000	236,000	479,000
Total Funding	900,300	0	0	0	0	0	104,100	262,800	533,400

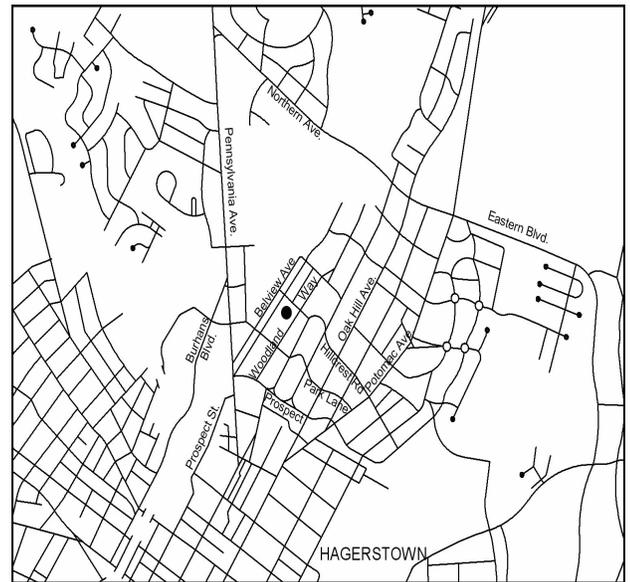
Project Title: Woodland Way Park Sidewalk Replacement

Project Number: 1027

Account Number: LDI035

Projected Annual FTE's:

Projected Operating Costs:



Description:

The project consists of excavating and replacing 1220 linear feet of the existing asphalt walkway with a concrete walkway

Assumptions & Justifications:

Pending POS grant

The existing walkway is deteriorating to the point it is becoming unusable due to age and tree roots growing thru it. The City of Hagerstown has asked that we address this issue.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	24,000	12,000	12,000	0	0	0	0	0	0
Total Cost	24,000	12,000	12,000	0	0	0	0	0	0

Funding Sources:

General Fund	2,400	1,200	1,200	0	0	0	0	0	0
State Grant	21,600	10,800	10,800	0	0	0	0	0	0
Total Funding	24,000	12,000	12,000	0	0	0	0	0	0

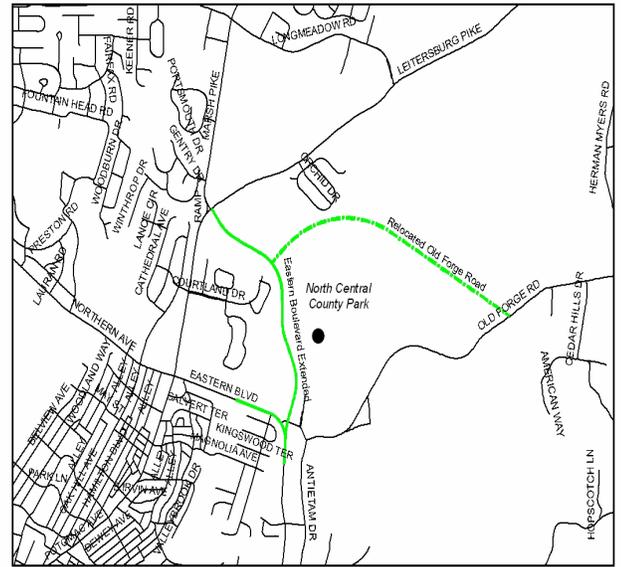
Project Title: North Central County Park (north side of Eastern Blvd Ext

Project Number: 1123

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	82,400	0	0	0	0	82,400	0	0	0
Construction	3,216,500	0	0	0	0	0	0	0	3,216,500
Inspection	160,800	0	0	0	0	0	0	0	160,800
Total Cost	3,459,700	0	0	0	0	82,400	0	0	3,377,300

Funding Sources:

General Fund	37,400	0	0	0	0	37,400	0	0	0
Tax Supported Bond	3,092,300	0	0	0	0	0	0	0	3,092,300
Excise Tax - Other	330,000	0	0	0	0	45,000	0	0	285,000
Total Funding	3,459,700	0	0	0	0	82,400	0	0	3,377,300

Project Title: Tree Forestation

Project Number: 1126

Account Number: LDI043

Projected Annual FTE's:

Projected Operating Costs:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	61,200	0	20,000	0	20,400	0	20,800	0	0
Total Cost	61,200	0	20,000	0	20,400	0	20,800	0	0

Funding Sources:

General Fund	61,200	0	20,000	0	20,400	0	20,800	0	0
Total Funding	61,200	0	20,000	0	20,400	0	20,800	0	0

Project Title: Park Land Acquisition**Project Number:** 1151**Account Number:** REC033**Projected Annual FTE's:****Projected Operating Costs:****Description:**

Project is to build funds to be utilized for future acquisition of additional park lands. The purchases would include 3 or 4 acquisitions of property of about 40 to 80 acres each.

Assumptions & Justifications:

John Howard Trust Funds

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

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	979,400	0	100,000	101,000	153,000	154,500	208,100	262,800	0
Total Cost	979,400	0	100,000	101,000	153,000	154,500	208,100	262,800	0

Funding Sources:

General Fund	595,100	0	0	0	102,700	154,500	149,100	188,800	0
Excise Tax - Other	133,000	0	0	0	0	0	59,000	74,000	0
Contributions	251,300	0	100,000	101,000	50,300	0	0	0	0
Total Funding	979,400	0	100,000	101,000	153,000	154,500	208,100	262,800	0

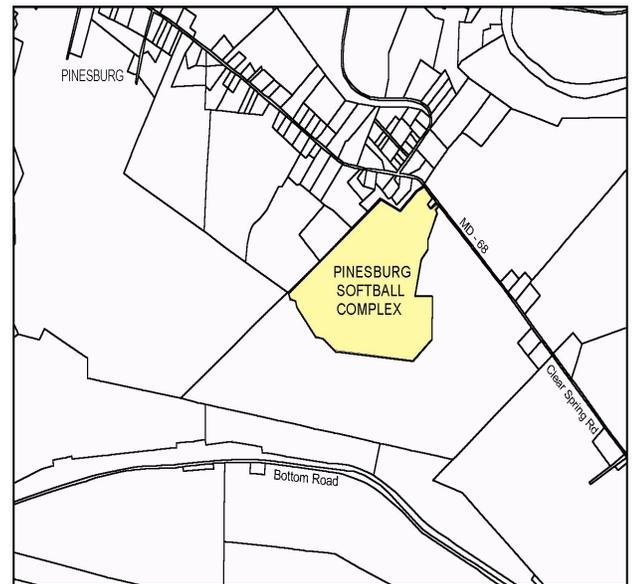
Project Title: Pinesburg Softball Complex

Project Number: 1153

Account Number: LDI045

Projected Annual FTE's:

Projected Operating Costs:



Description:

The project consist of adding topsoil to 2 softball fields to fill in the areas that have settled over the past couple of years due to being built on a closed landfill.

Assumptions & Justifications:

Pending POS Approval

Field numbers 3 and 4 have settled to a point that the players can loose their balance when running after a softball. It will take approximately 3,000 cubit yards of topsoil to bring these fields back to their original condition. These fields and other areas in the Park have settled significantly over the years. The settlement has begun to subside and corrective action is needed. Usually as a rule of thumb, closed landfills will continue to settle over a period of 30 years due to lack of compaction and decomposition.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	24,000	0	24,000	0	0	0	0	0	0
Total Cost	24,000	0	24,000	0	0	0	0	0	0

Funding Sources:

General Fund	2,400	0	2,400	0	0	0	0	0	0
State Grant	21,600	0	21,600	0	0	0	0	0	0
Total Funding	24,000	0	24,000	0	0	0	0	0	0

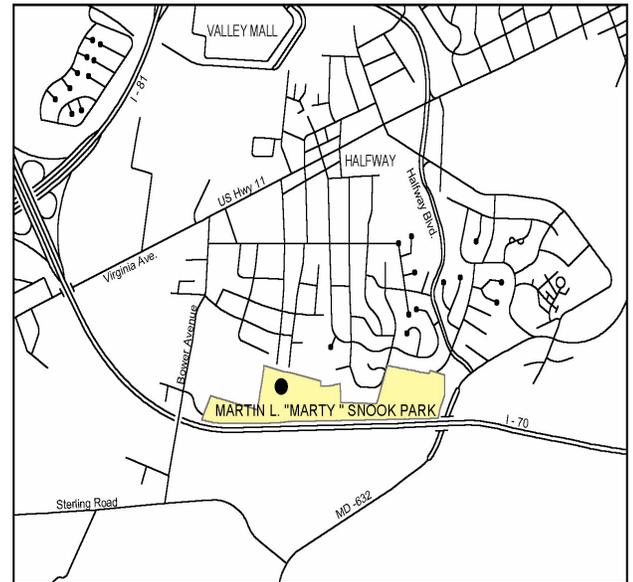
Project Title: MLS Park Veterans Memorial Retaining Wall

Project Number: 1158

Account Number: LDI044

Projected Annual FTE's:

Projected Operating Costs:



Description:

Replace retaining wall at the south end of the stone bridge retaining wall at the Veterans Memorial.

Assumptions & Justifications:

Pending General Fund Monies Availability

The existing timber retaining wall is rotting and leaning out towards the road and is need of replacement. Project will replace timber with dry laid manufactures blocks to mimic stone.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	7,500	0	7,500	0	0	0	0	0	0
Total Cost	7,500	0	7,500	0	0	0	0	0	0

Funding Sources:

General Fund	7,500	0	7,500	0	0	0	0	0	0
Total Funding	7,500	0	7,500	0	0	0	0	0	0

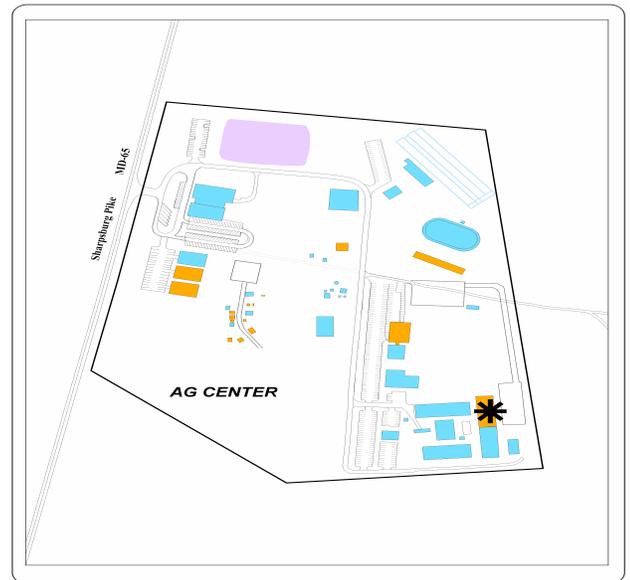
Project Title: Ag Center Pole Barn 3 - Concrete

Project Number: 1176

Account Number: BLD074

Projected Annual FTE's:

Projected Operating Costs:



Description:

Project involves grading the floor of Pole Barn # 3, adding stone sub base and laying 4" reinforced concrete floor.

Assumptions & Justifications:

Pending POS approval

Existing floor is clay, with the addition of the concrete flooring it will enable us to hold additional functions and rentals in this barn.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	38,280	0	38,280	0	0	0	0	0	0
Total Cost	38,280	0	38,280	0	0	0	0	0	0

Funding Sources:

General Fund	3,830	0	3,830	0	0	0	0	0	0
State Grant	34,450	0	34,450	0	0	0	0	0	0
Total Funding	38,280	0	38,280	0	0	0	0	0	0

Project Title: Tennis Courts, Resurfacing

Project Number: 1177

Account Number: LDI046

Projected Annual FTE's:

Projected Operating Costs:

Description:

Project consist of cleaning, crack sealing, repainting and striping of 4 courts.

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

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

Funding Sources:

General Fund	4,750	0	4,750	0	0	0	0	0	0
State Grant	15,250	0	15,250	0	0	0	0	0	0
Total Funding	20,000	0	20,000	0	0	0	0	0	0

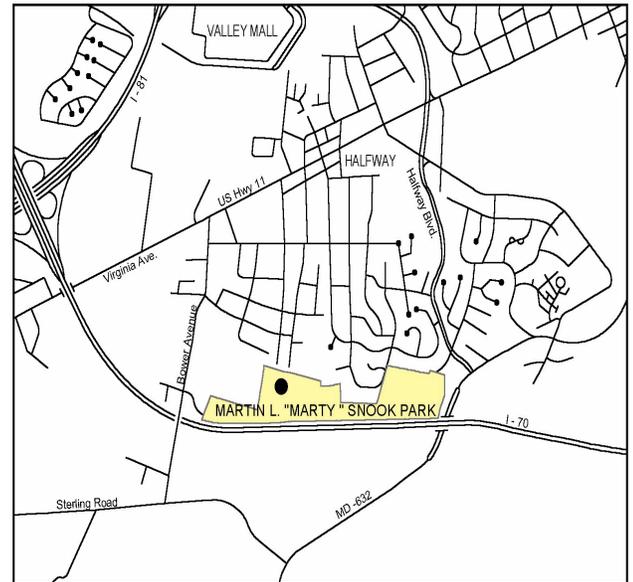
Project Title: MLS Park, Softball Field Lights

Project Number: 1178

Account Number: REC034

Projected Annual FTE's:

Projected Operating Costs:



Description:

Project involves replacement of 16 wood light poles, 50' in height with 12 metal or concrete light poles 80'in height and accompanying light fixtures, wiring and control panel.

Assumptions & Justifications:

Pending POS approval.

Existing lighting system is mid 1980's poles and fixtures. The lighting levels are good on the playing surface but the height of the poles create a safety concern due to only being 50' high and balls that are hit higher than that.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	385,000	0	385,000	0	0	0	0	0	0
Total Cost	385,000	0	385,000	0	0	0	0	0	0

Funding Sources:

General Fund	35,000	0	35,000	0	0	0	0	0	0
State Grant	350,000	0	350,000	0	0	0	0	0	0
Total Funding	385,000	0	385,000	0	0	0	0	0	0

Public Safety



Public Safety

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>Public Safety</u>										
Communication Maintenance										
156	Communications System Narrowbanding	403,000	50,000	316,000	37,000	0	0	0	0	0
157	Communication Tower(s) various locations	527,800	0	0	0	0	206,100	0	105,100	216,600
	Communication Maintenance Total	930,800	50,000	316,000	37,000	0	206,100	0	105,100	216,600
Detention										
158	Detention Center Renovations	9,106,000	0	0	0	0	0	0	0	9,106,000
	Detention Total	9,106,000	0	9,106,000						
Patrol										
159	Law Enforcement - Fleet Replacement Program	3,467,300	186,600	400,000	204,000	206,100	208,100	210,200	212,300	1,840,000
	Patrol Total	3,467,300	186,600	400,000	204,000	206,100	208,100	210,200	212,300	1,840,000
	Public Safety Total	13,504,100	236,600	716,000	241,000	206,100	414,200	210,200	317,400	11,162,600
	TOTAL	13,504,100	236,600	716,000	241,000	206,100	414,200	210,200	317,400	11,162,600
Funding Sources										
	General Fund	2,688,100	19,300	400,000	6,300	0	0	210,200	212,300	1,840,000
	Tax Supported Bond	8,814,000	0	285,300	0	0	206,100	0	0	8,322,600
	Transfer Tax	723,300	0	0	204,000	206,100	208,100	0	105,100	0
	Excise Tax - Other	92,100	30,700	30,700	30,700	0	0	0	0	0
	Excise Tax - Non-Residential	1,000,000	0	0	0	0	0	0	0	1,000,000
	Capital Reserve - General	186,600	186,600	0	0	0	0	0	0	0
	TOTAL	13,504,100	236,600	716,000	241,000	206,100	414,200	210,200	317,400	11,162,600

Project Title: Communications System Narrowbanding

Project Number: 1112

Account Number: COM023

Projected Annual FTE's:

Projected Operating Costs: 22,400

Description:

Software and hardware upgrades and possible construction of a new public safety communications site. The extent of this project has not been fully determined at this point.

Assumptions & Justifications:

At the time the current communications system project was approved, there was no FCC mandate for narrowbanding.

The Federal Government has recently released deadlines for narrowbanding of public safety communications frequencies. This is an FCC mandate by January 1, 2013 to maximize radio spectrum.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	50,000	50,000	0	0	0	0	0	0	0
Construction	353,000	0	316,000	37,000	0	0	0	0	0
Total Cost	403,000	50,000	316,000	37,000	0	0	0	0	0

Funding Sources:

General Fund	25,600	19,300	0	6,300	0	0	0	0	0
Tax Supported Bond	285,300	0	285,300	0	0	0	0	0	0
Excise Tax - Other	92,100	30,700	30,700	30,700	0	0	0	0	0
Total Funding	403,000	50,000	316,000	37,000	0	0	0	0	0

Project Title: Communication Tower(s) various locations

Project Number: 1166

Account Number:

Projected Annual FTE's:

Projected Operating Costs: 16,200

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	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Construction	527,800	0	0	0	0	206,100	0	105,100	216,600
Total Cost	527,800	0	0	0	0	206,100	0	105,100	216,600
Funding Sources:									
Tax Supported Bond	422,700	0	0	0	0	206,100	0	0	216,600
Transfer Tax	105,100	0	0	0	0	0	0	105,100	0
Total Funding	527,800	0	0	0	0	206,100	0	105,100	216,600

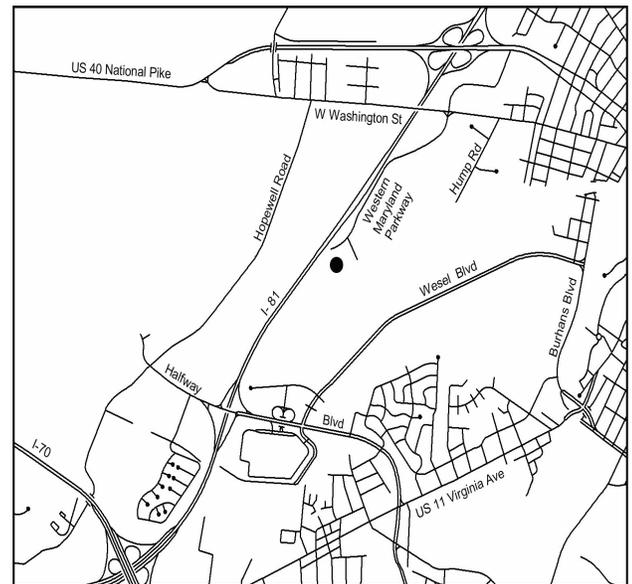
Project Title: Detention Center Renovations

Project Number: 1094

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

There is a need to renovate all existing housing units (A, B, C, D, E and F PODS) in the current Detention Center that will be 35 years old at the start of this renovation project. In addition, there needs to be modifications to existing space to enlarge the Booking and Medical areas of the existing Detention Center to address the needs of the additional inmate population with the expansion of the Detention Center into the old Phoenix Color Building. The security and continued operation of the existing facility as a Detention Center will depend upon the renovation and upgrade of the facility as proposed in this project.

Assumptions & Justifications:

The existing Detention Center will be 35 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 correctional standards for that time. There will be a short window to be able to perform these renovations because of the opening of additional housing space as part of the Phase 2 and Phase 3 expansion of the Detention Center. We must have allocated space to move the inmate population from one POD to another housing unit while renovations are occurring. Once the other housing units fill up, the ability to renovate existing housing units will be lost. The total square footage for the various areas is estimated to be 21,553 sq. ft.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	541,400	0	0	0	0	0	0	0	541,400
Construction	4,714,400	0	0	0	0	0	0	0	4,714,400
Inspection	601,500	0	0	0	0	0	0	0	601,500
Equipment/Furniture	3,248,700	0	0	0	0	0	0	0	3,248,700
Total Cost	9,106,000	0	9,106,000						

Funding Sources:

Tax Supported Bond	8,106,000	0	0	0	0	0	0	0	8,106,000
Excise Tax - Non-Residential	1,000,000	0	0	0	0	0	0	0	1,000,000
Total Funding	9,106,000	0	9,106,000						

Project Title: Law Enforcement - Fleet Replacement Program

Project Number: 1118

Account Number: VEH006

Projected Annual FTE's:

Projected Operating Costs:

Description:

Replacement of public safety fleet inventory.

Assumptions & Justifications:

Replacement would focus on such factors as age, mileage, repair history, etc. Based on new policy, recommendation would be made for vehicles to be replaced, contingent on availability of funding.

Priority Equipment and Vehicle Purchases:

37,300 - 13 2013 "upfitted" Chevrolet "Police Pursuit" Tahoe
 30,000 - 1 2013 "K-9 upfitted" Chevrolet "Police Pursuit" Tahoe
 15,100 - 1 2013 Ford E-350 19 Passenger Van for Circuit Court Prisoner Transport

The Sheriff's operations has approximately 136 vehicles maintained by it's fleet maintenance department. A vehicle replacement program is being implemented and designed to reduce maintenance and operational downtime due to vehicle age, mileage, and repair cost versus book value starting in FY 2012.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Vehicles	3,467,300	186,600	400,000	204,000	206,100	208,100	210,200	212,300	1,840,000
Total Cost	3,467,300	186,600	400,000	204,000	206,100	208,100	210,200	212,300	1,840,000

Funding Sources:

General Fund	2,662,500	0	400,000	0	0	0	210,200	212,300	1,840,000
Transfer Tax	618,200	0	0	204,000	206,100	208,100	0	0	0
Capital Reserve - General	186,600	186,600	0	0	0	0	0	0	0
Total Funding	3,467,300	186,600	400,000	204,000	206,100	208,100	210,200	212,300	1,840,000

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Railroad Crossings



Railroad
Crossings

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Total	Prior Appr.	FY 2013	FY 2014	Ten Year Capital Program				
						FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>Railroad Crossings</u>										
Public Works - Capital Projects										
162	Railroad Study and Improvements	1,499,900	0	134,000	0	1,365,900	0	0	0	0
	Public Works - Capital Projects Total	1,499,900	0	134,000	0	1,365,900	0	0	0	0
	Railroad Crossings Total	1,499,900	0	134,000	0	1,365,900	0	0	0	0
	TOTAL	1,499,900	0	134,000	0	1,365,900	0	0	0	0
Funding Sources										
	General Fund	1,499,900	0	134,000	0	1,365,900	0	0	0	0
	TOTAL	1,499,900	0	134,000	0	1,365,900	0	0	0	0

Project Title: Railroad Study and Improvements**Project Number: 1140****Account Number: RRX003****Projected Annual FTE's:****Projected Operating Costs:****Description:**

Prepare railroad study and 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 pavement markings and signing, 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 improvements may include projects formerly listed in the capital improvement budget (Trovinger Mill Road, Little Antietam Road, Mondell Road, Taylors Landing Road crossings).

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Land Acquisition	112,000	0	112,000	0	0	0	0	0	0
Construction	1,194,500	0	0	0	1,194,500	0	0	0	0
Inspection	171,400	0	0	0	171,400	0	0	0	0
Utilities	22,000	0	22,000	0	0	0	0	0	0
Total Cost	1,499,900	0	134,000	0	1,365,900	0	0	0	0
Funding Sources:									
General Fund	1,499,900	0	134,000	0	1,365,900	0	0	0	0
Total Funding	1,499,900	0	134,000	0	1,365,900	0	0	0	0

Road Improvements



Road
Improvements

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>Road Improvement</u>										
Public Works - Capital Projects										
165	Pavement Maintenance and Rehabilitation Program	52,238,560	8,510,860	3,206,800	3,493,800	4,168,600	4,752,000	4,479,100	4,135,600	19,491,800
166	Robinwood Corridor II	10,648,400	7,812,600	2,325,700	510,100	0	0	0	0	0
167	Robinwood North	2,373,473	462,473	141,500	0	0	0	0	0	1,769,500
168	Longmeadow Road	12,119,000	60,000	0	0	602,800	0	0	2,972,300	8,483,900
169	Eastern Boulevard Extended	9,035,650	285,250	0	0	0	676,400	1,051,000	5,913,100	1,109,900
170	Hebb Road & US Route 40 Improvements	808,900	0	0	0	0	0	0	0	808,900
171	Maugans Avenue II	21,700	0	0	0	0	0	0	0	21,700
172	Shawley Drive	3,187,300	1,113,200	2,074,100	0	0	0	0	0	0
173	Southern Boulevard I	9,129,500	6,023,100	0	0	1,545,500	1,560,900	0	0	0
174	E. Oak Ridge Drive/South Pointe Signal	324,300	0	0	0	0	46,800	63,100	0	214,400
175	Eastern Boulevard Widening Phase I	7,743,100	7,238,100	505,000	0	0	0	0	0	0
176	Eastern Boulevard Widening Phase II	7,996,900	500,000	0	141,300	475,500	1,356,000	5,524,100	0	0
177	Underpass Way and Railway Lane Roundabout	1,113,300	0	373,700	739,600	0	0	0	0	0
178	Garis Shop/Poffenberger Roundabout	1,455,400	1,304,600	150,800	0	0	0	0	0	0
179	Southern Boulevard II	3,313,900	0	0	0	0	0	0	0	3,313,900
180	Transportation ADA	1,271,400	166,900	592,300	0	0	87,700	86,800	85,900	251,800
181	Halfway Boulevard Extended II	633,800	0	0	0	0	0	473,000	0	160,800
182	Eastern Boulevard at Antietam Drive Intersection Improvement	3,318,400	502,000	0	0	1,401,200	1,415,200	0	0	0
183	Newgate Boulevard Extended	2,752,700	0	0	0	0	0	0	0	2,752,700
184	Hopewell Road Extended	5,436,100	0	0	0	0	0	0	0	5,436,100
185	Yale Drive Extended - Phase II	3,072,290	1,256,640	795,000	1,020,650	0	0	0	0	0
186	Professional Court Extended - Phase II	7,090,200	125,000	0	0	0	0	0	390,700	6,574,500
187	Professional Court Extended - Phase I/Bridge over Antietam Creek	8,589,200	125,000	0	0	0	0	0	774,900	7,689,300
188	Longmeadow Road II	1,868,000	0	0	0	0	0	0	0	1,868,000
189	Marsh Pike from MD60 to Longmeadow	6,207,100	0	0	0	0	0	0	0	6,207,100
190	Yale Drive Extended - Phase I	6,637,510	2,551,360	2,014,000	2,072,150	0	0	0	0	0
191	MD Route 144 and Western MD Parkway Roundabout	604,100	0	0	0	20,600	260,200	323,300	0	0
192	Mt Aetna Road Spot Improvements	386,600	0	0	0	0	0	0	0	386,600
193	Meadow View Drive and Oak Hill Avenue Roundabout	52,000	0	0	0	0	0	0	0	52,000
194	Highway Equipment and Vehicle Replacement Program	5,929,800	410,900	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000
195	Valley Mall Road Improvements	422,500	0	0	85,900	336,600	0	0	0	0
196	Valley Mall Area Road Improvements Phase II	1,018,900	0	0	0	0	180,300	0	0	838,600
Public Works - Capital Projects Total		176,799,983	38,447,983	12,478,900	8,471,500	9,014,400	10,855,800	12,578,500	14,909,400	70,043,500
Road Improvement Total		176,799,983	38,447,983	12,478,900	8,471,500	9,014,400	10,855,800	12,578,500	14,909,400	70,043,500
TOTAL		176,799,983	38,447,983	12,478,900	8,471,500	9,014,400	10,855,800	12,578,500	14,909,400	70,043,500

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
	Funding Sources									
	General Fund	26,685,825	10,879,785	12,120	1,214,100	846,100	1,741,600	1,248,600	1,855,120	8,888,400
	Highway Fund	5,518,900	0	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000
	Hotel Rental Fund	773,700	0	373,700	400,000	0	0	0	0	0
	Tax Supported Bond	106,222,931	17,452,951	8,036,300	5,890,100	6,536,800	7,095,000	10,479,800	9,474,480	41,257,500
	Transfer Tax	5,436,873	451,073	0	0	993,900	1,091,900	0	0	2,900,000
	Excise Tax - Roads	3,908,630	1,085,630	141,000	141,000	174,000	207,000	272,000	338,000	1,550,000
	Excise Tax - Non-Residential	827,905	827,905	0	0	0	0	0	0	0
	APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
	Capital Reserve - General	8,783,420	6,160,640	2,204,480	418,300	0	0	0	0	0
	Federal Grant	14,234,000	1,295,000	600,000	0	0	0	0	932,000	11,407,000
	State Grant	2,309,200	160,900	592,300	0	0	0	0	1,556,000	0
	Contributions	2,014,500	50,000	219,000	0	0	200,000	0	116,900	1,428,600
	TOTAL	176,799,983	38,447,983	12,478,900	8,471,500	9,014,400	10,855,800	12,578,500	14,909,400	70,043,500

Project Title: Pavement Maintenance and Rehabilitation Program

Project Number: 13

Account Number: RDI024

Projected Annual FTE's:

Projected Operating Costs:

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.

This is 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	50,214,360	8,335,860	3,030,000	3,315,300	3,988,300	4,569,900	4,295,200	3,949,800	18,730,000
Inspection	2,024,200	175,000	176,800	178,500	180,300	182,100	183,900	185,800	761,800
Total Cost	52,238,560	8,510,860	3,206,800	3,493,800	4,168,600	4,752,000	4,479,100	4,135,600	19,491,800

Funding Sources:

General Fund	15,727,960	557,520	2,320	1,214,100	846,100	1,607,100	1,161,700	1,769,220	8,569,900
Tax Supported Bond	30,033,581	5,849,101	1,000,000	1,861,400	3,322,500	3,144,900	3,317,400	2,366,380	9,171,900
Transfer Tax	1,400,000	0	0	0	0	0	0	0	1,400,000
Excise Tax - Roads	350,000	0	0	0	0	0	0	0	350,000
APFO Fees - Roads	84,099	84,099	0	0	0	0	0	0	0
Capital Reserve - General	4,642,920	2,020,140	2,204,480	418,300	0	0	0	0	0
Total Funding	52,238,560	8,510,860	3,206,800	3,493,800	4,168,600	4,752,000	4,479,100	4,135,600	19,491,800

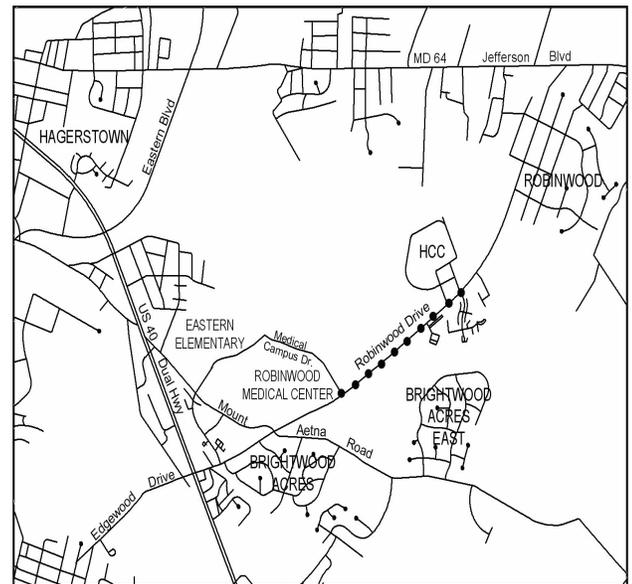
Project Title: Robinwood Corridor II

Project Number: 14

Account Number: RDI022

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	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	8,482,000	5,646,200	2,325,700	510,100	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	10,648,400	7,812,600	2,325,700	510,100	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	3,189,800	495,000	2,325,700	369,100	0	0	0	0	0
Excise Tax - Roads	727,300	586,300	0	141,000	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	10,648,400	7,812,600	2,325,700	510,100	0	0	0	0	0

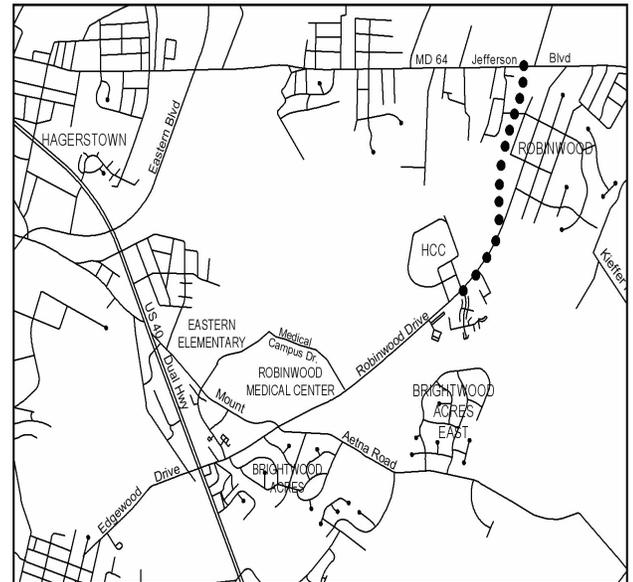
Project Title: Robinwood North

Project Number: 15

Account Number: RDI033

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Planning	20,400	20,400	0	0	0	0	0	0	0
Engineering/Design	382,500	241,000	141,500	0	0	0	0	0	0
Land Acquisition	1,970,573	201,073	0	0	0	0	0	0	1,769,500
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	2,373,473	462,473	141,500	0	0	0	0	0	1,769,500

Funding Sources:

General Fund	261,400	261,400	0	0	0	0	0	0	0
Tax Supported Bond	1,911,000	0	141,500	0	0	0	0	0	1,769,500
Transfer Tax	201,073	201,073	0	0	0	0	0	0	0
Total Funding	2,373,473	462,473	141,500	0	0	0	0	0	1,769,500

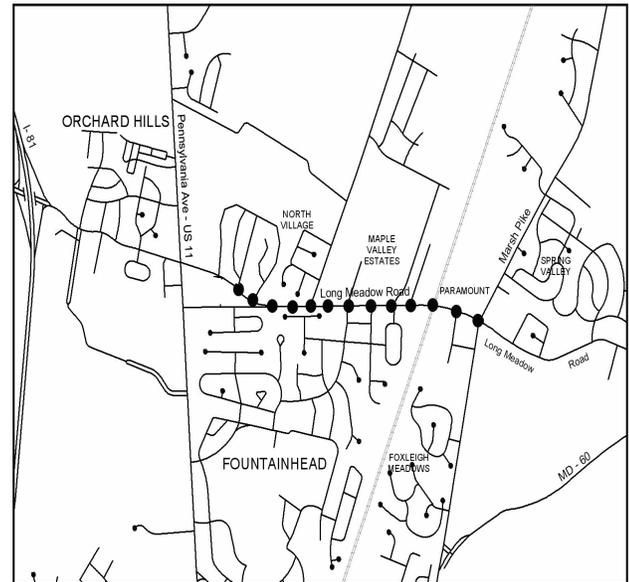
Project Title: Longmeadow Road

Project Number: 20

Account Number: RDI037

Projected Annual FTE's:

Projected Operating Costs:



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 an unacceptable levels of service.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Planning	56,100	20,000	0	0	36,100	0	0	0	0
Engineering/Design	606,700	40,000	0	0	566,700	0	0	0	0
Land Acquisition	2,972,300	0	0	0	0	0	0	2,972,300	0
Construction	7,580,300	0	0	0	0	0	0	0	7,580,300
Inspection	367,500	0	0	0	0	0	0	0	367,500
Utilities	536,100	0	0	0	0	0	0	0	536,100
Total Cost	12,119,000	60,000	0	0	602,800	0	0	2,972,300	8,483,900

Funding Sources:

General Fund	60,000	60,000	0	0	0	0	0	0	0
Tax Supported Bond	10,503,000	0	0	0	602,800	0	0	1,416,300	8,483,900
State Grant	1,556,000	0	0	0	0	0	0	1,556,000	0
Total Funding	12,119,000	60,000	0	0	602,800	0	0	2,972,300	8,483,900

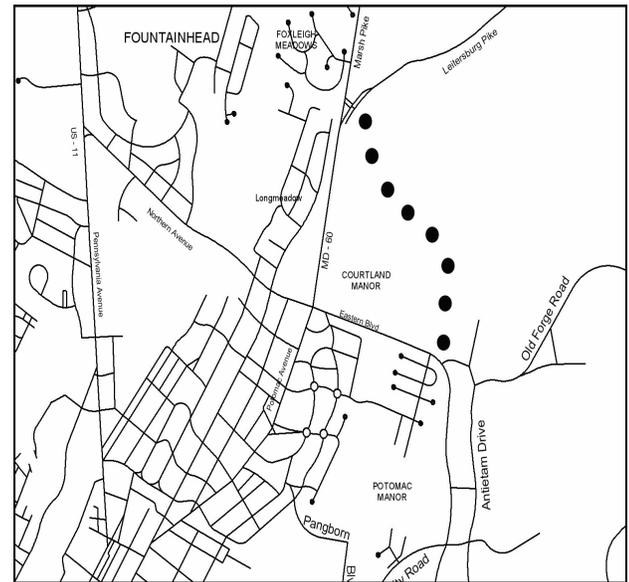
Project Title: Eastern Boulevard Extended

Project Number: 21

Account Number: RDI039

Projected Annual FTE's:

Projected Operating Costs:



Description:

A new roadway connecting Eastern Boulevard at Antietam Drive to the Leitersburg 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 w/right-of-way for 4 lane road. SHA will require significant road widening along MD 60.

Relieve Eastern Blvd @ Leitersburg 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	526,450	110,250	0	0	0	416,200	0	0	0
Land Acquisition	410,200	150,000	0	0	0	260,200	0	0	0
Construction	7,476,900	25,000	0	0	0	0	1,051,000	5,291,000	1,109,900
Inspection	356,700	0	0	0	0	0	0	356,700	0
Utilities	265,400	0	0	0	0	0	0	265,400	0
Total Cost	9,035,650	285,250	0	0	0	676,400	1,051,000	5,913,100	1,109,900

Funding Sources:

General Fund	80,000	80,000	0	0	0	0	0	0	0
Tax Supported Bond	8,522,650	110,250	0	0	0	676,400	1,051,000	5,575,100	1,109,900
Excise Tax - Roads	338,000	0	0	0	0	0	0	338,000	0
Federal Grant	95,000	95,000	0	0	0	0	0	0	0
Total Funding	9,035,650	285,250	0	0	0	676,400	1,051,000	5,913,100	1,109,900

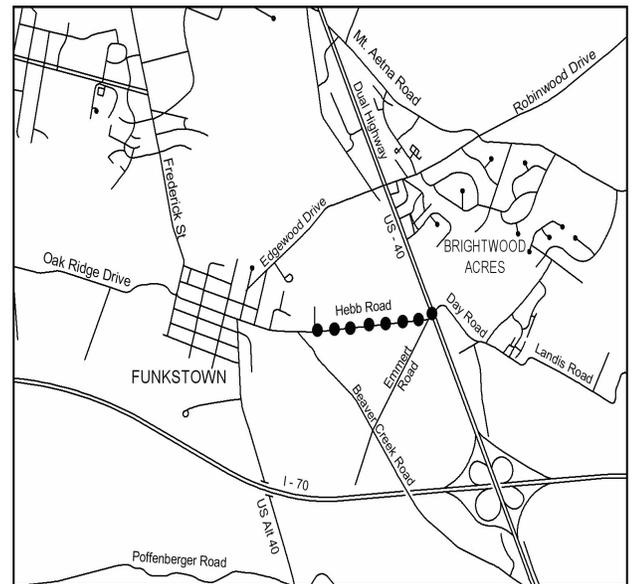
Project Title: Hebb Road & US Route 40 Improvements

Project Number: 22

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Spot road improvements along Hebb Road and intersection improvements at US Route 40. State owned road. Project details are unknown at this time although project is assumed to widen and improve both horizontal and vertical alignment along Hebb Road between US 40 and Funkstown.

Assumptions & Justifications:

Only County share shown for larger State Highway Administration project at the intersection with joint participation by the City of Hagerstown. Actual timing of the project need will depend upon developer activity in this area, most likely within the city limits. Project may become tied to the City's Paul Smith Blvd. project.

Needed to address safety and capacity issues on this portion of the public road system.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	107,200	0	0	0	0	0	0	0	107,200
Land Acquisition	214,400	0	0	0	0	0	0	0	214,400
Construction	487,300	0	0	0	0	0	0	0	487,300
Total Cost	808,900	0	808,900						

Funding Sources:

Tax Supported Bond	808,900	0	0	0	0	0	0	0	808,900
Total Funding	808,900	0	808,900						

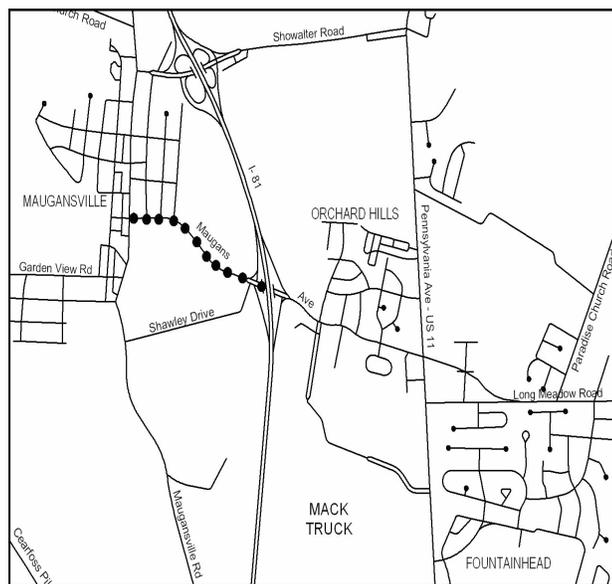
Project Title: Maugans Avenue II

Project Number: 23

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Project consists of widening the existing Maugans Avenue from I-81 into the village of 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Planning	21,700	0	0	0	0	0	0	0	21,700
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	21,700	0	21,700						

Funding Sources:

General Fund	21,700	0	0	0	0	0	0	0	21,700
Total Funding	21,700	0	21,700						

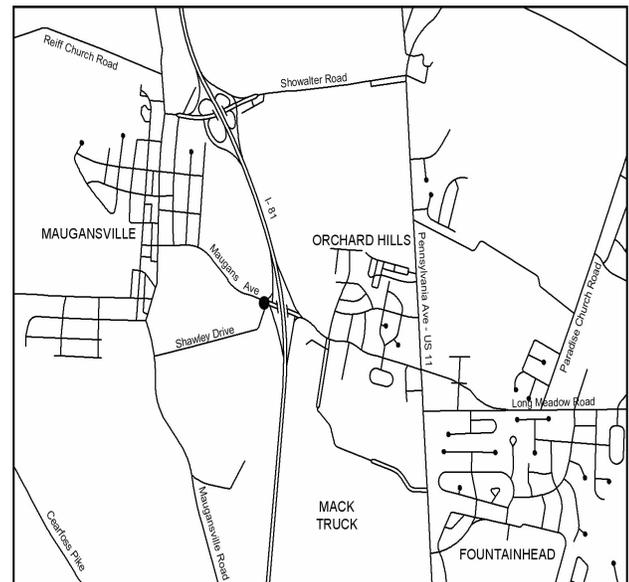
Project Title: Shawley Drive

Project Number: 25

Account Number: RDI043

Projected Annual FTE's:

Projected Operating Costs:



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 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. Assumes engineering design will be provided by a private developer.

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Planning	20,000	20,000	0	0	0	0	0	0	0
Land Acquisition	790,000	250,000	540,000	0	0	0	0	0	0
Construction	2,216,700	843,200	1,373,500	0	0	0	0	0	0
Inspection	121,200	0	121,200	0	0	0	0	0	0
Utilities	39,400	0	39,400	0	0	0	0	0	0
Total Cost	3,187,300	1,113,200	2,074,100	0	0	0	0	0	0

Funding Sources:

General Fund	20,000	20,000	0	0	0	0	0	0	0
Tax Supported Bond	2,948,300	1,093,200	1,855,100	0	0	0	0	0	0
Contributions	219,000	0	219,000	0	0	0	0	0	0
Total Funding	3,187,300	1,113,200	2,074,100	0	0	0	0	0	0

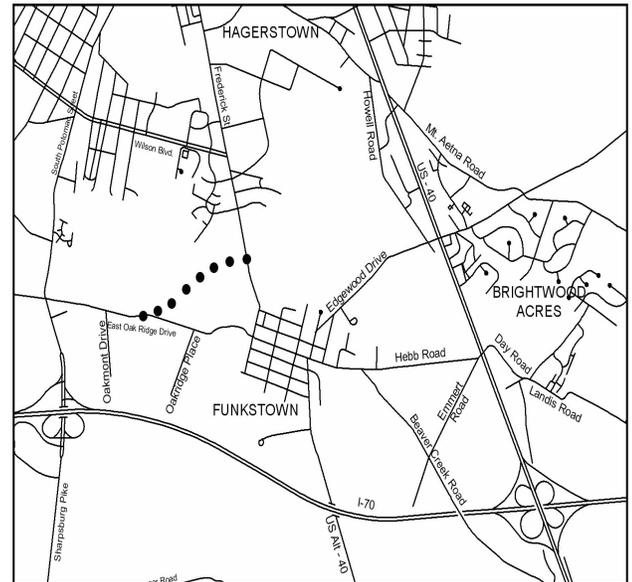
Project Title: Southern Boulevard I

Project Number: 26

Account Number: RDI040

Projected Annual FTE's:

Projected Operating Costs:



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 relieve 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	2013	2014	2015	2016	2017	2018	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	7,266,900	4,160,500	0	0	1,545,500	1,560,900	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	9,129,500	6,023,100	0	0	1,545,500	1,560,900	0	0	0

Funding Sources:

General Fund	3,201,100	3,201,100	0	0	0	0	0	0	0
Tax Supported Bond	4,691,900	2,277,900	0	0	853,100	1,560,900	0	0	0
Transfer Tax	518,400	0	0	0	518,400	0	0	0	0
Excise Tax - Roads	174,000	0	0	0	174,000	0	0	0	0
Capital Reserve - General	544,100	544,100	0	0	0	0	0	0	0
Total Funding	9,129,500	6,023,100	0	0	1,545,500	1,560,900	0	0	0

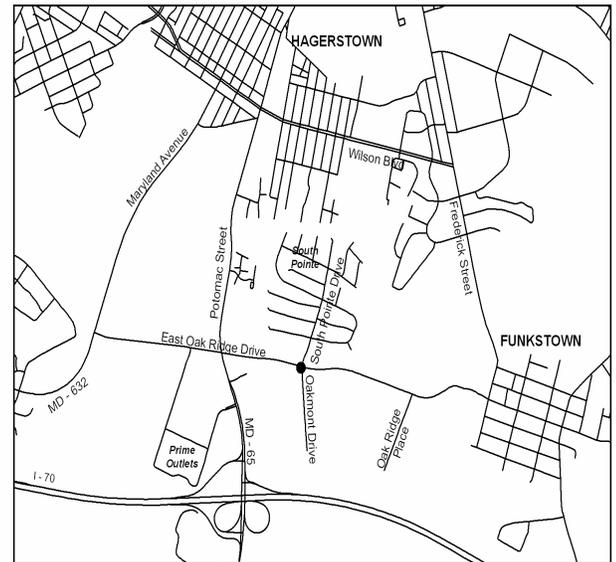
Project Title: E. Oak Ridge Drive/South Pointe Signal

Project Number: 964

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	36,400	0	0	0	0	36,400	0	0	0
Land Acquisition	20,900	0	0	0	0	10,400	10,500	0	0
Construction	187,600	0	0	0	0	0	0	0	187,600
Inspection	26,800	0	0	0	0	0	0	0	26,800
Utilities	52,600	0	0	0	0	0	52,600	0	0
Total Cost	324,300	0	0	0	0	46,800	63,100	0	214,400

Funding Sources:

General Fund	46,800	0	0	0	0	46,800	0	0	0
Tax Supported Bond	277,500	0	0	0	0	0	63,100	0	214,400
Total Funding	324,300	0	0	0	0	46,800	63,100	0	214,400

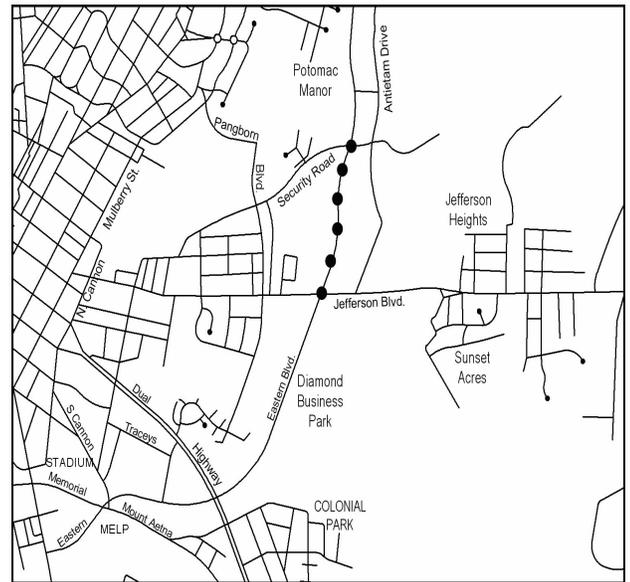
Project Title: Eastern Boulevard Widening Phase I

Project Number: 970

Account Number: RDI042

Projected Annual FTE's:

Projected Operating Costs:



Description:

Widen Eastern Boulevard from MD Rt 64 (Jefferson Boulevard) to Security Road from the existing 2-lane roadway to a 4-lane divided roadway. Including drainage improvements, and traffic signal modifications.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	353,500	353,500	0	0	0	0	0	0	0
Land Acquisition	1,114,000	1,114,000	0	0	0	0	0	0	0
Construction	5,173,000	4,668,000	505,000	0	0	0	0	0	0
Inspection	262,600	262,600	0	0	0	0	0	0	0
Utilities	840,000	840,000	0	0	0	0	0	0	0
Total Cost	7,743,100	7,238,100	505,000	0	0	0	0	0	0

Funding Sources:

General Fund	1,607,595	1,607,595	0	0	0	0	0	0	0
Tax Supported Bond	5,340,300	4,835,300	505,000	0	0	0	0	0	0
Excise Tax - Roads	217,300	217,300	0	0	0	0	0	0	0
Excise Tax - Non-Residential	577,905	577,905	0	0	0	0	0	0	0
Total Funding	7,743,100	7,238,100	505,000	0	0	0	0	0	0

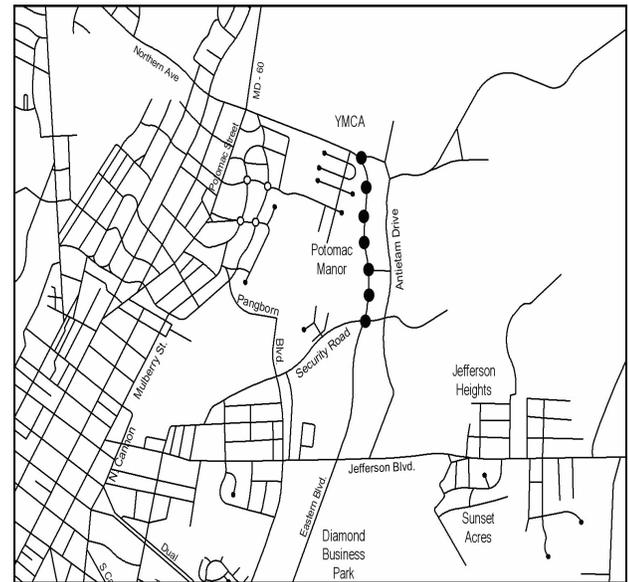
Project Title: Eastern Boulevard Widening Phase II

Project Number: 972

Account Number: RDI044

Projected Annual FTE's:

Projected Operating Costs:



Description:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	500,000	500,000	0	0	0	0	0	0	0
Land Acquisition	2,287,000	0	0	141,300	475,500	1,144,700	525,500	0	0
Construction	4,964,700	0	0	0	0	130,100	4,834,600	0	0
Inspection	245,200	0	0	0	0	81,200	164,000	0	0
Total Cost	7,996,900	500,000	0	141,300	475,500	1,356,000	5,524,100	0	0

Funding Sources:

General Fund	218,070	217,970	0	0	0	0	100	0	0
Tax Supported Bond	5,837,700	0	0	141,300	0	444,400	5,252,000	0	0
Transfer Tax	1,387,100	0	0	0	475,500	911,600	0	0	0
Excise Tax - Roads	554,030	282,030	0	0	0	0	272,000	0	0
Total Funding	7,996,900	500,000	0	141,300	475,500	1,356,000	5,524,100	0	0

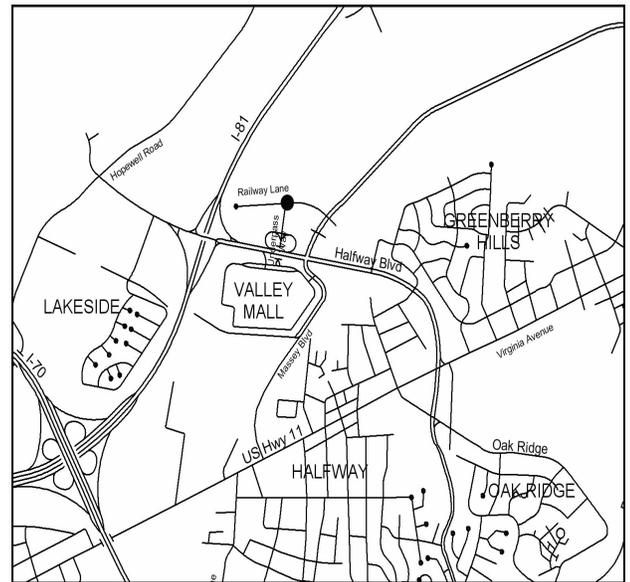
Project Title: Underpass Way and Railway Lane Roundabout

Project Number: 1006

Account Number: RDI058

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Planning	20,200	0	20,200	0	0	0	0	0	0
Engineering/Design	101,000	0	101,000	0	0	0	0	0	0
Land Acquisition	252,500	0	252,500	0	0	0	0	0	0
Construction	637,600	0	0	637,600	0	0	0	0	0
Inspection	102,000	0	0	102,000	0	0	0	0	0
Total Cost	1,113,300	0	373,700	739,600	0	0	0	0	0

Funding Sources:

Hotel Rental Fund	773,700	0	373,700	400,000	0	0	0	0	0
Tax Supported Bond	339,600	0	0	339,600	0	0	0	0	0
Total Funding	1,113,300	0	373,700	739,600	0	0	0	0	0

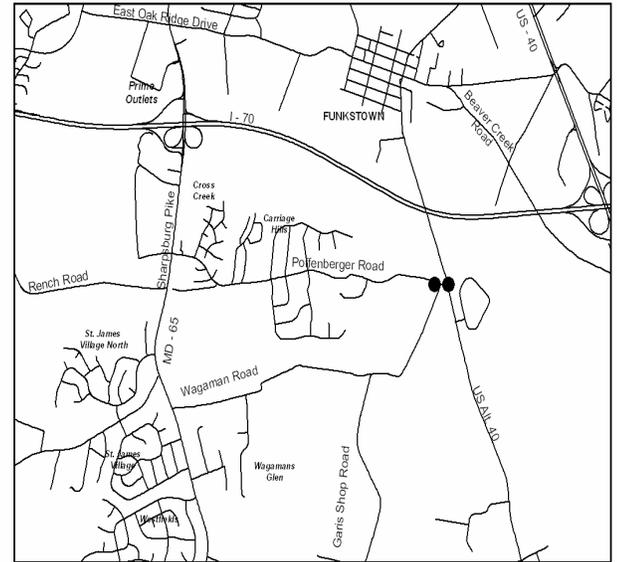
Project Title: Garis Shop/Poffenberger Roundabout

Project Number: 1010

Account Number: RDI046

Projected Annual FTE's:

Projected Operating Costs:



Description:

Realign the intersection of Garis Shop Road/Poffenberger Road and Alternate US 40. Project involves the construction of a traffic roundabout at the intersection of Garis Shop Road and Poffenberger Road.

Assumptions & Justifications:

The County will pay for construction costs within the county right-of-way; and a portion of the design associated with the county roadway. The State will pay their respective share for design, inspection costs, and construction costs within State right-of-way; as well as construction costs to improve Alternate 40 at Poffenberger Road with a designated turn lane. The developer will pay for right-of-way (not including State's right-of-way on Alternate 40).

Current intersection operates at a level of service F and the proposed improvements will provide a level of service C. This improvement will improve sight distance and safety.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	292,700	216,900	75,800	0	0	0	0	0	0
Land Acquisition	225,000	225,000	0	0	0	0	0	0	0
Construction	676,400	676,400	0	0	0	0	0	0	0
Inspection	126,300	126,300	0	0	0	0	0	0	0
Utilities	135,000	60,000	75,000	0	0	0	0	0	0
Total Cost	1,455,400	1,304,600	150,800	0	0	0	0	0	0

Funding Sources:

General Fund	309,800	300,000	9,800	0	0	0	0	0	0
Tax Supported Bond	1,004,600	1,004,600	0	0	0	0	0	0	0
Excise Tax - Roads	141,000	0	141,000	0	0	0	0	0	0
Total Funding	1,455,400	1,304,600	150,800	0	0	0	0	0	0

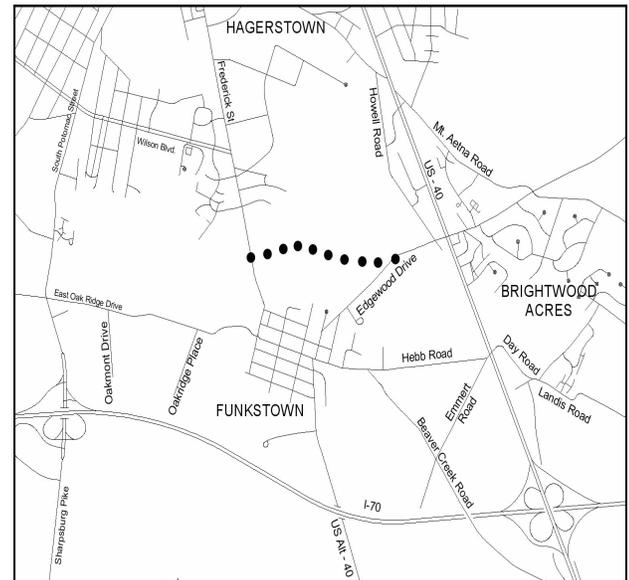
Project Title: Southern Boulevard II

Project Number: 1013

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Project involves the construction of a Southern Boulevard between Frederick Street and US 40. The project includes construction of a four lane divided open section roadway and a signalized intersection at Edgewood Drive and US 40.

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. Part of the county-wide transportation plan.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	828,500	0	0	0	0	0	0	0	828,500
Land Acquisition	1,104,600	0	0	0	0	0	0	0	1,104,600
Construction	1,380,800	0	0	0	0	0	0	0	1,380,800
Inspection	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Total Cost	3,313,900	0	3,313,900						

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	3,313,900	0	0	0	0	0	0	0	3,313,900
Total Funding	3,313,900	0	3,313,900						

Project Title: Transportation ADA**Project Number:** 1023**Account Number:** LDI037**Projected Annual FTE's:****Projected Operating Costs:****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.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Planning	74,700	74,700	0	0	0	0	0	0	0
Construction	1,196,700	92,200	592,300	0	0	87,700	86,800	85,900	251,800
Total Cost	1,271,400	166,900	592,300	0	0	87,700	86,800	85,900	251,800

Funding Sources:

General Fund	679,100	166,900	0	0	0	87,700	86,800	85,900	251,800
State Grant	592,300	0	592,300	0	0	0	0	0	0
Total Funding	1,271,400	166,900	592,300	0	0	87,700	86,800	85,900	251,800

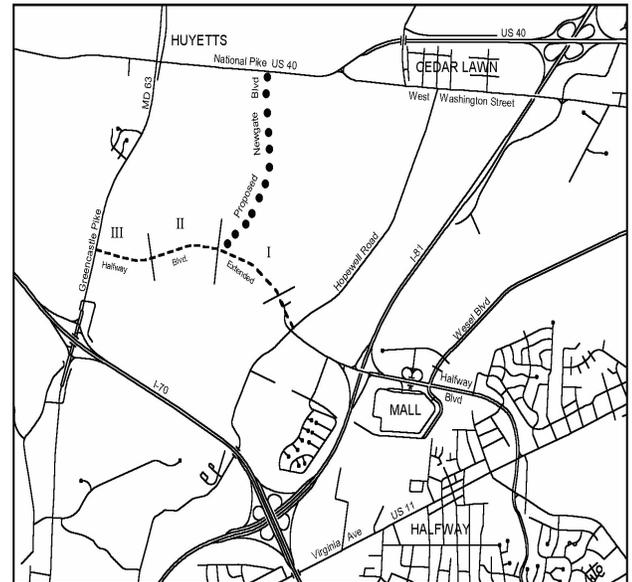
Project Title: Halfway Boulevard Extended II

Project Number: 1026

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	473,000	0	0	0	0	0	473,000	0	0
Construction	0	0	0	0	0	0	0	0	0
Inspection	160,800	0	0	0	0	0	0	0	160,800
Total Cost	633,800	0	0	0	0	0	473,000	0	160,800

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	633,800	0	0	0	0	0	473,000	0	160,800
Total Funding	633,800	0	0	0	0	0	473,000	0	160,800

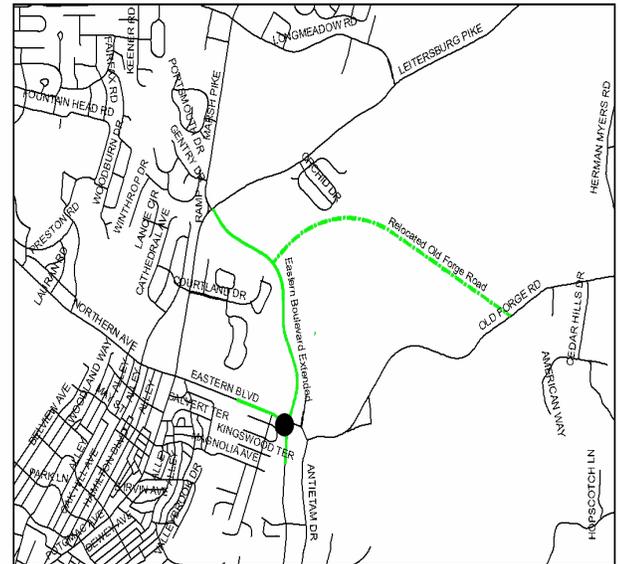
Project Title: Eastern Blvd. at Antietam Drive Intersection Improvement

Project Number: 1038

Account Number: RDI051

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	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	2,692,200	0	0	0	1,339,400	1,352,800	0	0	0
Inspection	124,200	0	0	0	61,800	62,400	0	0	0
Total Cost	3,318,400	502,000	0	0	1,401,200	1,415,200	0	0	0

Funding Sources:

General Fund	272,400	272,400	0	0	0	0	0	0	0
Tax Supported Bond	2,839,000	229,600	0	0	1,401,200	1,208,200	0	0	0
Excise Tax - Roads	207,000	0	0	0	0	207,000	0	0	0
Total Funding	3,318,400	502,000	0	0	1,401,200	1,415,200	0	0	0

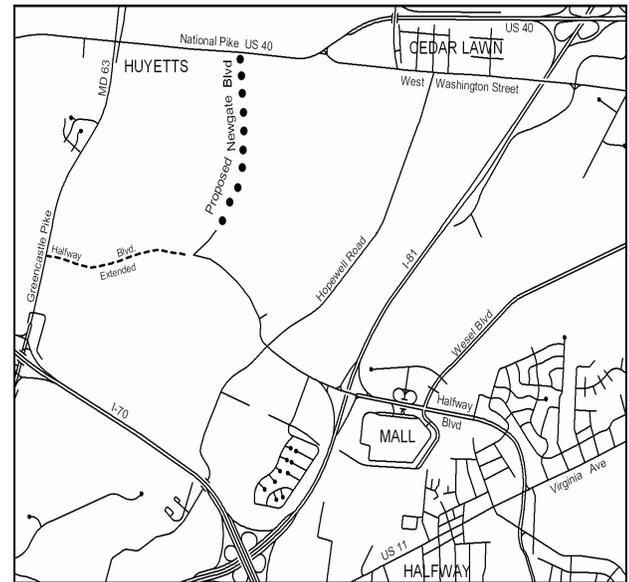
Project Title: Newgate Boulevard Extended

Project Number: 1064

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Project involves extending Newgate Boulevard to US 40. Road length is approximately 3,500 LF.

Assumptions & Justifications:

Provides a two lane open section roadway with right-of-way obtained for an ultimate four lane roadway. No new water and/or sewer network is included in this cost estimate.

Needed to accommodate increased traffic volumes from ongoing development in this area.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	433,000	0	0	0	0	0	0	0	433,000
Land Acquisition	2,319,700	0	0	0	0	0	0	0	2,319,700
Construction	0	0	0	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Total Cost	2,752,700	0	2,752,700						

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	2,327,700	0	0	0	0	0	0	0	2,327,700
Excise Tax - Roads	425,000	0	0	0	0	0	0	0	425,000
Total Funding	2,752,700	0	2,752,700						

Project Title: Hopewell Road Extended

Project Number: 1065

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Project involves the construction of Hopewell Road from the 11900 block of Hopewell Road to US 40. Road length is approximately 4,150 LF.

Assumptions & Justifications:

Provides a two lane open section roadway with right-of-way obtained for an ultimate four lane roadway. No new water and/or sewer network is included in this cost estimate.

Needed to accommodate increased traffic volumes from ongoing development in this area.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	317,700	0	0	0	0	0	0	0	317,700
Land Acquisition	2,909,200	0	0	0	0	0	0	0	2,909,200
Construction	2,209,200	0	0	0	0	0	0	0	2,209,200
Inspection	0	0	0	0	0	0	0	0	0
Total Cost	5,436,100	0	5,436,100						

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	5,436,100	0	0	0	0	0	0	0	5,436,100
Total Funding	5,436,100	0	5,436,100						

Project Title: Yale Drive Extended - Phase II

Project Number: 1069

Account Number: RDI054

Projected Annual FTE's:

Projected Operating Costs:



Description:

Project involves the expansion of Yale Drive Extended - Phase I (Project RDI053) from a 2-lane road to a 4-lane roadway with a grass median. Road length is approximately 4,600 linear feet.

Assumptions & Justifications:

Four lane roadway. 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). ARC grant in the amount of \$800,000 secured for this project.

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

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	95,700	95,700	0	0	0	0	0	0	0
Construction	2,968,340	1,152,690	795,000	1,020,650	0	0	0	0	0
Utilities	8,250	8,250	0	0	0	0	0	0	0
Total Cost	3,072,290	1,256,640	795,000	1,020,650	0	0	0	0	0

Funding Sources:

General Fund	656,640	656,640	0	0	0	0	0	0	0
Tax Supported Bond	1,615,650	0	595,000	1,020,650	0	0	0	0	0
Federal Grant	800,000	600,000	200,000	0	0	0	0	0	0
Total Funding	3,072,290	1,256,640	795,000	1,020,650	0	0	0	0	0

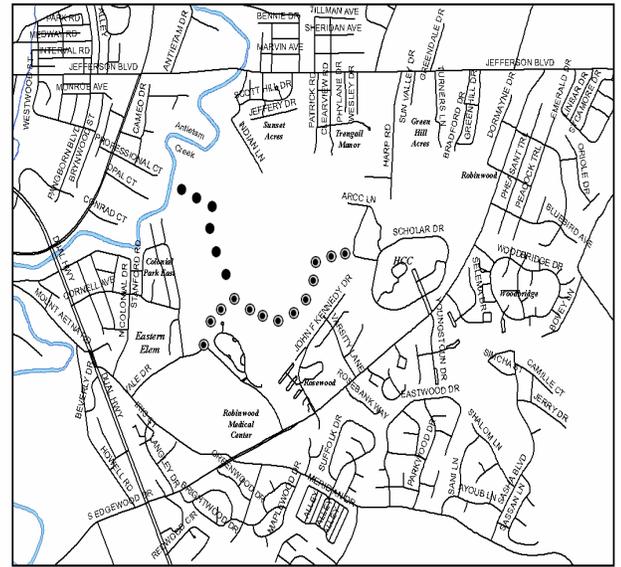
Project Title: Professional Court Extended - Phase II

Project Number: 1071

Account Number: RDI056

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	409,500	125,000	0	0	0	0	0	284,500	0
Land Acquisition	106,200	0	0	0	0	0	0	106,200	0
Construction	6,312,000	0	0	0	0	0	0	0	6,312,000
Inspection	262,500	0	0	0	0	0	0	0	262,500
Total Cost	7,090,200	125,000	0	0	0	0	0	390,700	6,574,500

Funding Sources:

General Fund	125,000	125,000	0	0	0	0	0	0	0
Tax Supported Bond	698,000	0	0	0	0	0	0	39,300	658,700
Federal Grant	5,569,000	0	0	0	0	0	0	312,000	5,257,000
Contributions	698,200	0	0	0	0	0	0	39,400	658,800
Total Funding	7,090,200	125,000	0	0	0	0	0	390,700	6,574,500

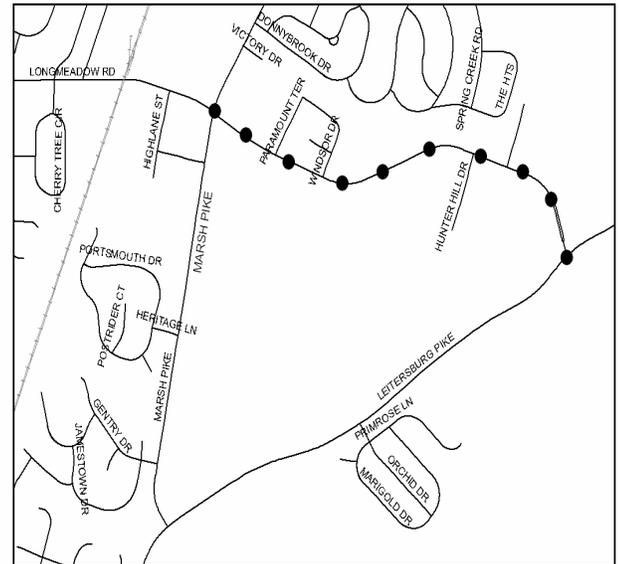
Project Title: Longmeadow Road II

Project Number: 1088

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Capacity and safety enhancement to Longmeadow Road between Marsh Pike and Leidersburg Pike (MD 60). Project includes widening Longmeadow Road to a three lane roadway. The roadway will be a combination of open and closed section roadway with one lane in each direction and a continuous center left turn lane.

Assumptions & Justifications:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	328,100	0	0	0	0	0	0	0	328,100
Land Acquisition	1,319,000	0	0	0	0	0	0	0	1,319,000
Construction	0	0	0	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Utilities	220,900	0	0	0	0	0	0	0	220,900
Total Cost	1,868,000	0	1,868,000						

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,468,000	0	0	0	0	0	0	0	1,468,000
Excise Tax - Roads	400,000	0	0	0	0	0	0	0	400,000
Total Funding	1,868,000	0	1,868,000						

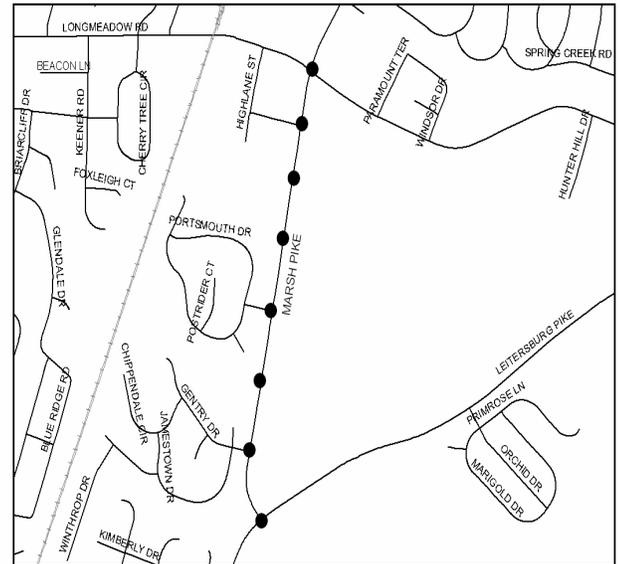
Project Title: Marsh Pike from MD60 to Longmeadow

Project Number: 1091

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Road Capacity and safety enhancement on Marsh Pike between Leatersburg 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	402,100	0	0	0	0	0	0	0	402,100
Land Acquisition	428,900	0	0	0	0	0	0	0	428,900
Construction	5,064,200	0	0	0	0	0	0	0	5,064,200
Inspection	311,900	0	0	0	0	0	0	0	311,900
Total Cost	6,207,100	0	6,207,100						

Funding Sources:

General Fund	45,000	0	0	0	0	0	0	0	45,000
Tax Supported Bond	4,287,100	0	0	0	0	0	0	0	4,287,100
Transfer Tax	1,500,000	0	0	0	0	0	0	0	1,500,000
Excise Tax - Roads	375,000	0	0	0	0	0	0	0	375,000
Total Funding	6,207,100	0	6,207,100						

Project Title: Yale Drive Extended - Phase I

Project Number: 1093

Account Number: RDI053

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	194,300	194,300	0	0	0	0	0	0	0
Architect Fees	20,000	0	20,000	0	0	0	0	0	0
Construction	6,106,460	2,340,310	1,694,000	2,072,150	0	0	0	0	0
Inspection	300,000	0	300,000	0	0	0	0	0	0
Relocation Fees	16,750	16,750	0	0	0	0	0	0	0
Total Cost	6,637,510	2,551,360	2,014,000	2,072,150	0	0	0	0	0

Funding Sources:

General Fund	143,360	143,360	0	0	0	0	0	0	0
Tax Supported Bond	5,244,150	1,558,000	1,614,000	2,072,150	0	0	0	0	0
Transfer Tax	250,000	250,000	0	0	0	0	0	0	0
Federal Grant	1,000,000	600,000	400,000	0	0	0	0	0	0
Total Funding	6,637,510	2,551,360	2,014,000	2,072,150	0	0	0	0	0

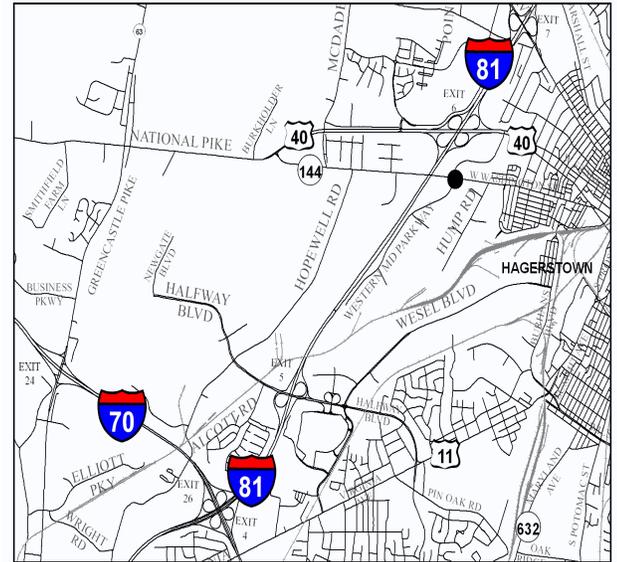
Project Title: MD Route 144 and Western MD Parkway Roundabout

Project Number: 1106

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 project will receive developer contributions.

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

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Planning	10,300	0	0	0	10,300	0	0	0	0
Land Acquisition	10,300	0	0	0	10,300	0	0	0	0
Construction	523,000	0	0	0	0	260,200	262,800	0	0
Inspection	60,500	0	0	0	0	0	60,500	0	0
Total Cost	604,100	0	0	0	20,600	260,200	323,300	0	0

Funding Sources:

Tax Supported Bond	404,100	0	0	0	20,600	60,200	323,300	0	0
Contributions	200,000	0	0	0	0	200,000	0	0	0
Total Funding	604,100	0	0	0	20,600	260,200	323,300	0	0

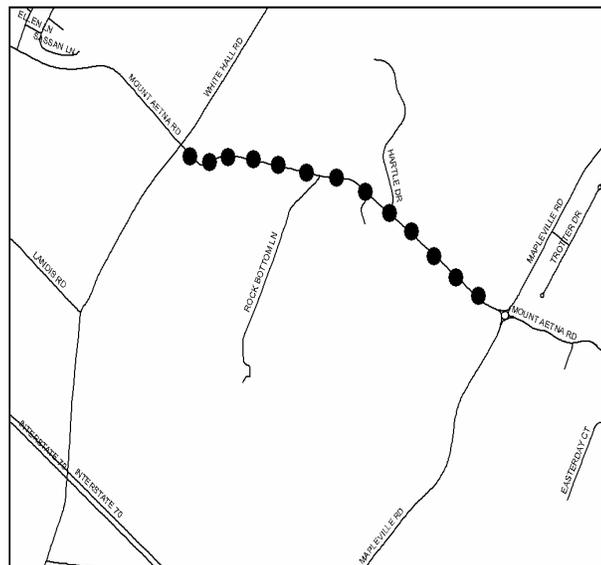
Project Title: Mt Aetna Road Spot Improvements

Project Number: 1108

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Projects includes providing spot improvements to Mt Aetna Road to improve sight distance, and vertical/horizontal curves.

Assumptions & Justifications:

Mt Aetna Road has several locations that have been identified as inadequate as defined in the "Road Adequacy Policy". Development in the vicinity has caused an increase in traffic.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	55,200	0	0	0	0	0	0	0	55,200
Construction	331,400	0	0	0	0	0	0	0	331,400
Inspection	0	0	0	0	0	0	0	0	0
Total Cost	386,600	0	386,600						

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	386,600	0	0	0	0	0	0	0	386,600
Total Funding	386,600	0	386,600						

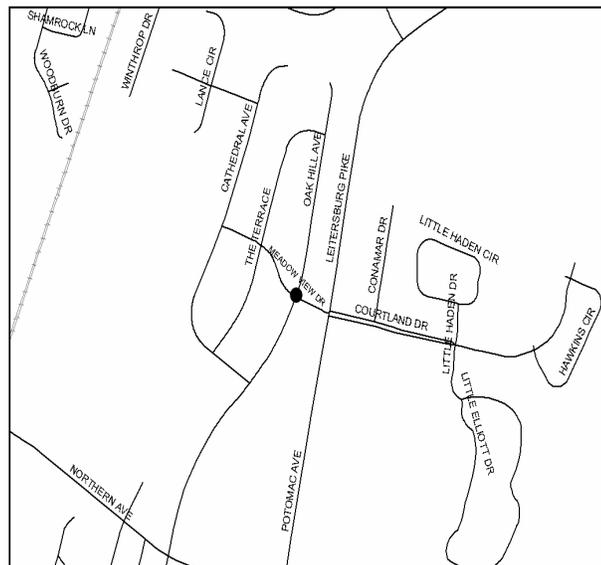
Project Title: Meadow View Drive and Oak Hill Avenue Roundabout

Project Number: 1109

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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 increased in traffic diverting through a residential area. This project will calm and slow traffic thus improving safety.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Land Acquisition	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Inspection	52,000	0	0	0	0	0	0	0	52,000
Total Cost	52,000	0	52,000						

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	52,000	0	0	0	0	0	0	0	52,000
Total Funding	52,000	0	52,000						

Project Title: Highway Equipment and Vehicle Replacement Program

Project Number: 1119

Account Number: EQP042

Projected Annual FTE's:

Projected Operating Costs:

Description:

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

Assumptions & Justifications:

Recommendation for replacement would be based on review of existing 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	5,929,800	410,900	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000
Total Cost	5,929,800	410,900	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000

Funding Sources:

Highway Fund	5,518,900	0	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000
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	5,929,800	410,900	300,000	408,000	463,600	520,300	578,100	636,900	2,612,000

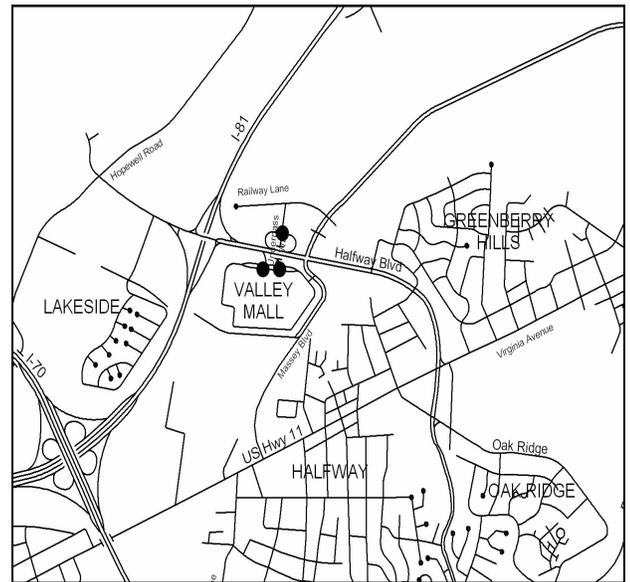
Project Title: Valley Mall Road Improvements

Project Number: 1121

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	65,700	0	0	65,700	0	0	0	0	0
Construction	306,000	0	0	0	306,000	0	0	0	0
Inspection	30,600	0	0	0	30,600	0	0	0	0
Utilities	20,200	0	0	20,200	0	0	0	0	0
Total Cost	422,500	0	0	85,900	336,600	0	0	0	0

Funding Sources:

Tax Supported Bond	422,500	0	0	85,900	336,600	0	0	0	0
Total Funding	422,500	0	0	85,900	336,600	0	0	0	0

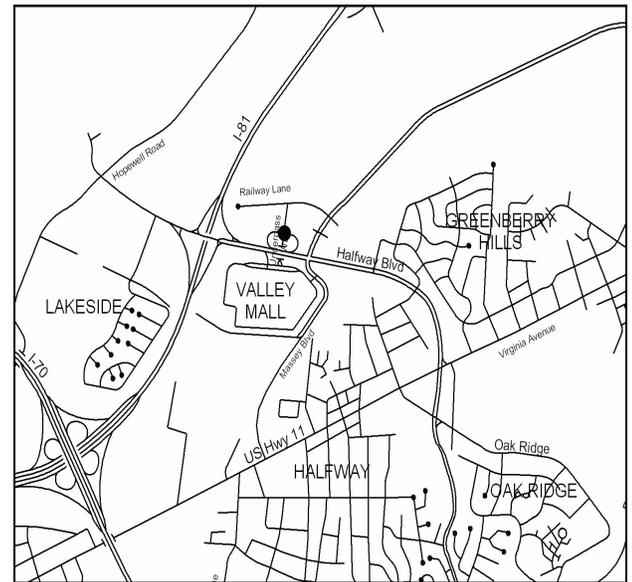
Project Title: Valley Mall Area Road Improvements Phase II

Project Number: 1167

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	77,300	0	0	0	0	77,300	0	0	0
Land Acquisition	103,000	0	0	0	0	103,000	0	0	0
Construction	796,100	0	0	0	0	0	0	0	796,100
Utilities	42,500	0	0	0	0	0	0	0	42,500
Total Cost	1,018,900	0	0	0	0	180,300	0	0	838,600

Funding Sources:

Tax Supported Bond	838,600	0	0	0	0	0	0	0	838,600
Transfer Tax	180,300	0	0	0	0	180,300	0	0	0
Total Funding	1,018,900	0	0	0	0	180,300	0	0	838,600

Solid Waste



Solid Waste

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>Solid Waste</u>										
Solid Waste										
198	Contingency - Solid Waste	579,300	101,500	0	51,000	51,500	52,000	52,600	53,100	217,600
199	Close Out Cap - Rubble Fill	1,914,500	81,400	0	0	1,833,100	0	0	0	0
200	Cell 5	4,661,600	0	0	0	0	0	0	212,300	4,449,300
201	E-Cycling Building	142,800	0	0	142,800	0	0	0	0	0
202	City/County Leachate Upgrades	1,229,200	587,800	641,400	0	0	0	0	0	0
203	40 West Truck Loading Facility	100,000	0	100,000	0	0	0	0	0	0
204	Resh Road Landfill Gas Flares	150,000	0	150,000	0	0	0	0	0	0
205	40 West Pavement Rehabilitation	649,700	0	0	0	0	0	0	0	649,700
206	40 West Trash Fence	656,200	0	0	0	0	0	0	0	656,200
	Solid Waste Total	10,083,300	770,700	891,400	193,800	1,884,600	52,000	52,600	265,400	5,972,800
	Solid Waste Total	10,083,300	770,700	891,400	193,800	1,884,600	52,000	52,600	265,400	5,972,800
	TOTAL	10,083,300	770,700	891,400	193,800	1,884,600	52,000	52,600	265,400	5,972,800
Funding Sources										
	General Fund	98,372	98,372	0	0	0	0	0	0	0
	Solid Waste Fund	1,150,128	672,328	0	51,000	51,500	52,000	52,600	53,100	217,600
	Self Supported Bond	7,943,400	0	0	142,800	1,833,100	0	0	212,300	5,755,200
	Capital Reserve - Solid Waste	891,400	0	891,400	0	0	0	0	0	0
	TOTAL	10,083,300	770,700	891,400	193,800	1,884,600	52,000	52,600	265,400	5,972,800

Project Title: Contingency - Solid Waste

Project Number: 97

Account Number: ADM009

Projected Annual FTE's:

Projected Operating Costs:

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 that purpose may be modified to reflect the source of funds as determined through the budget process.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Contingency	579,300	101,500	0	51,000	51,500	52,000	52,600	53,100	217,600
Total Cost	579,300	101,500	0	51,000	51,500	52,000	52,600	53,100	217,600

Funding Sources:

Solid Waste Fund	579,300	101,500	0	51,000	51,500	52,000	52,600	53,100	217,600
Self Supported Bond	0	0	0	0	0	0	0	0	0
Total Funding	579,300	101,500	0	51,000	51,500	52,000	52,600	53,100	217,600

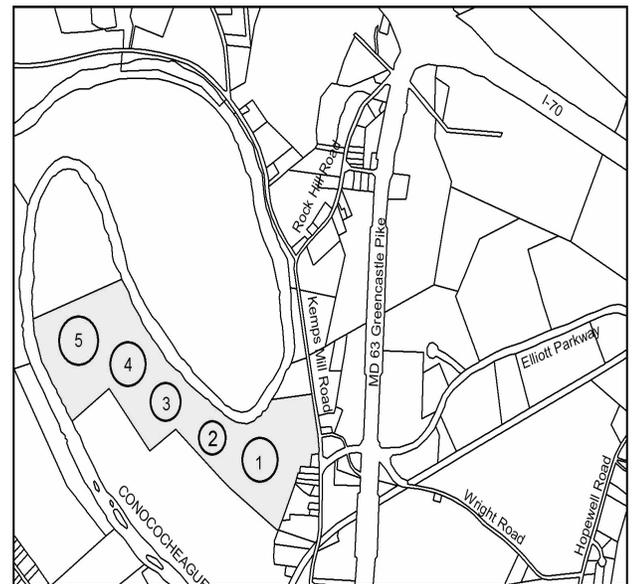
Project Title: Close Out Cap - Rubble Fill

Project Number: 105

Account Number: CAP003

Projected Annual FTE's:

Projected Operating Costs:



Description:

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.

Work is required to comply with State regulations and facility permit. Federal regulations do not apply to rubble fill sites. Funding is assumed to be from the State Water Quality Loan Program.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	165,300	81,400	0	0	83,900	0	0	0	0
Construction	1,591,600	0	0	0	1,591,600	0	0	0	0
Inspection	157,600	0	0	0	157,600	0	0	0	0
Total Cost	1,914,500	81,400	0	0	1,833,100	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	1,833,100	0	0	0	1,833,100	0	0	0	0
Total Funding	1,914,500	81,400	0	0	1,833,100	0	0	0	0

Project Title: Cell 5

Project Number: 947

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Design and construction of Cell #5 at the Forty West landfill.

Assumptions & Justifications:

Needed to assure continuous uninterrupted landfill operations. Project timing based on projected inbound waste volumes.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	212,300	0	0	0	0	0	0	212,300	0
Construction	4,288,500	0	0	0	0	0	0	0	4,288,500
Inspection	160,800	0	0	0	0	0	0	0	160,800
Total Cost	4,661,600	0	0	0	0	0	0	212,300	4,449,300

Funding Sources:

Self Supported Bond	4,661,600	0	0	0	0	0	0	212,300	4,449,300
Total Funding	4,661,600	0	0	0	0	0	0	212,300	4,449,300

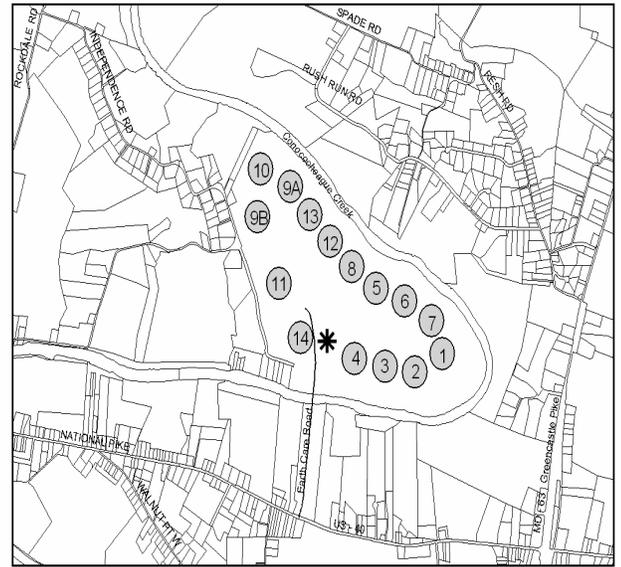
Project Title: E-Cycling Building

Project Number: 1074

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Design and construct a building to house the electronics recycling operations.

Assumptions & Justifications:

Currently the 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	142,800	0	0	142,800	0	0	0	0	0
Total Cost	142,800	0	0	142,800	0	0	0	0	0

Funding Sources:

Self Supported Bond	142,800	0	0	142,800	0	0	0	0	0
Total Funding	142,800	0	0	142,800	0	0	0	0	0

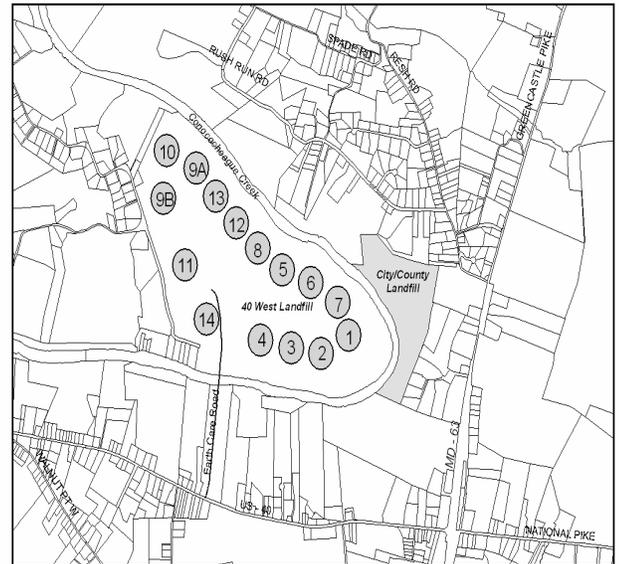
Project Title: City/County Leachate Upgrades

Project Number: 1075

Account Number: LDI040

Projected Annual FTE's:

Projected Operating Costs:



Description:

Upgrade the existing leachate pump stations and storage tanks at the City/County landfill.

Assumptions & Justifications:

The infrastructure was installed in the mid 1990's. Inspection of the existing leachate conveyance and storage system by the County Division of Environmental Management staff concluded the system has exceeded its useful operational life, and requires upgrade and replacement.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	232,300	60,600	171,700	0	0	0	0	0	0
Construction	996,900	527,200	469,700	0	0	0	0	0	0
Total Cost	1,229,200	587,800	641,400	0	0	0	0	0	0

Funding Sources:

General Fund	35,372	35,372	0	0	0	0	0	0	0
Solid Waste Fund	552,428	552,428	0	0	0	0	0	0	0
Capital Reserve - Solid Waste	641,400	0	641,400	0	0	0	0	0	0
Total Funding	1,229,200	587,800	641,400	0	0	0	0	0	0

Project Title: 40 West Truck Loading Facility

Project Number: 1127

Account Number: BLD072

Projected Annual FTE's:

Projected Operating Costs:



Description:

Upgrades to the existing leachate pump station at 40 West landfill to address MDE concerns.

Assumptions & Justifications:

MDE has expressed concerns over the amount of leachate spilled while the tanker trucks are being loaded. Temporary measures have been installed, and the upgrades are required to finish the project. Upgrades will allow for tankers to be loaded from the top of the truck to minimize the spillage of leachate.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	100,000	0	100,000	0	0	0	0	0	0
Total Cost	100,000	0	100,000	0	0	0	0	0	0

Funding Sources:

Capital Reserve - Solid Waste	100,000	0	100,000	0	0	0	0	0	0
Total Funding	100,000	0	100,000	0	0	0	0	0	0

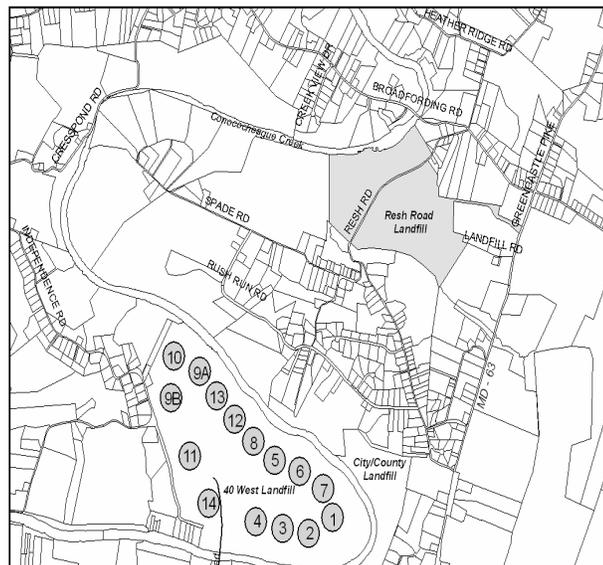
Project Title: Resh Road Landfill Gas Flares

Project Number: 1128

Account Number: LDI042

Projected Annual FTE's:

Projected Operating Costs:



Description:

Gas flares are to be installed at the Resh Road Landfill to finish the capping project.

Assumptions & Justifications:

Gas flares were removed from the project with the intent to harvest the gas for other purposes. The gas harvesting project did not proceed as anticipated and the flares must be installed to be in compliance.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	150,000	0	150,000	0	0	0	0	0	0
Total Cost	150,000	0	150,000	0	0	0	0	0	0

Funding Sources:

Capital Reserve - Solid Waste	150,000	0	150,000	0	0	0	0	0	0
Total Funding	150,000	0	150,000	0	0	0	0	0	0

Project Title: 40 West Pavement Rehabilitation

Project Number: 1129

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	649,700	0	0	0	0	0	0	0	649,700
Total Cost	649,700	0	649,700						

Funding Sources:

Self Supported Bond	649,700	0	0	0	0	0	0	0	649,700
Total Funding	649,700	0	649,700						

Project Title: 40 West Trash Fence

Project Number: 1137

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

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 60' tall trash fence.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	656,200	0	0	0	0	0	0	0	656,200
Total Cost	656,200	0	656,200						

Funding Sources:

Self Supported Bond	656,200	0	0	0	0	0	0	0	656,200
Total Funding	656,200	0	656,200						

Transit



Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								Future
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	
Project Costs										
<u>Transit</u>										
Transit										
208	Transit Buses	4,861,400	418,000	506,600	0	0	0	0	0	3,936,800
209	ADA Bus Replacement	472,800	0	65,000	68,300	73,100	0	0	75,400	191,000
210	Transit System Bus Shelters	683,613	260,813	101,000	0	0	104,100	0	0	217,700
211	Vehicle Preventative Maintenance	1,341,926	285,126	101,000	102,000	103,000	104,100	105,100	106,200	435,400
212	On-Vehicle Video Surveillance System	160,000	0	160,000	0	0	0	0	0	0
213	Mobile Data Computers - Automatic Vehicle Locator	35,000	0	35,000	0	0	0	0	0	0
214	Printing / Encoding Machines - PEMS	40,000	0	40,000	0	0	0	0	0	0
Transit Total		7,594,739	963,939	1,008,600	170,300	176,100	208,200	105,100	181,600	4,780,900
Transit Total		7,594,739	963,939	1,008,600	170,300	176,100	208,200	105,100	181,600	4,780,900
TOTAL		7,594,739	963,939	1,008,600	170,300	176,100	208,200	105,100	181,600	4,780,900
Funding Sources										
	General Fund	332,261	70,361	98,500	13,900	13,500	20,900	10,500	11,900	92,700
	Federal Grant	6,484,517	823,117	809,000	139,000	144,500	166,500	84,100	150,900	4,167,400
	State Grant	777,961	70,461	101,100	17,400	18,100	20,800	10,500	18,800	520,800
TOTAL		7,594,739	963,939	1,008,600	170,300	176,100	208,200	105,100	181,600	4,780,900

Project Title: Transit Buses**Project Number:** 134**Account Number:** VEH003**Projected Annual FTE's:****Projected Operating Costs:****Description:**

FY 13 - Replace three (3) fixed-route transit buses, Units 646 - 648 which will become 713 - 715.
 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Vehicles	4,861,400	418,000	506,600	0	0	0	0	0	3,936,800
Total Cost	4,861,400	418,000	506,600	0	0	0	0	0	3,936,800

Funding Sources:

General Fund	119,200	41,800	50,700	0	0	0	0	0	26,700
Federal Grant	4,215,300	334,400	405,300	0	0	0	0	0	3,475,600
State Grant	526,900	41,800	50,600	0	0	0	0	0	434,500
Total Funding	4,861,400	418,000	506,600	0	0	0	0	0	3,936,800

Project Title: ADA Bus Replacement**Project Number:** 138**Account Number:** VEH005**Projected Annual FTE's:****Projected Operating Costs:****Description:**

FY 13 - Replace one (1) ADA Program bus (Unit 502) becomes 505.
 FY 14 - Replace one (1) ADA Program bus (Unit 503) becomes 506.
 FY 15 - 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	472,800	0	65,000	68,300	73,100	0	0	75,400	191,000
Total Cost	472,800	0	65,000	68,300	73,100	0	0	75,400	191,000

Funding Sources:

General Fund	12,700	0	4,100	3,700	3,200	0	0	1,300	400
Federal Grant	408,900	0	54,100	57,400	62,100	0	0	65,900	169,400
State Grant	51,200	0	6,800	7,200	7,800	0	0	8,200	21,200
Total Funding	472,800	0	65,000	68,300	73,100	0	0	75,400	191,000

Project Title: Transit System Bus Shelters

Project Number: 929

Account Number: BLD041

Projected Annual FTE's:

Projected Operating Costs: 1,000

Description:

Procurement and installation of passenger bus shelters throughout the transit system's fixed-routes as amenities for our passengers. Locations 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	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Equipment/Furniture	683,613	260,813	101,000	0	0	104,100	0	0	217,700
Total Cost	683,613	260,813	101,000	0	0	104,100	0	0	217,700
Funding Sources:									
General Fund	55,000	12,500	10,100	0	0	10,500	0	0	21,900
Federal Grant	573,913	235,813	80,800	0	0	83,200	0	0	174,100
State Grant	54,700	12,500	10,100	0	0	10,400	0	0	21,700
Total Funding	683,613	260,813	101,000	0	0	104,100	0	0	217,700

Project Title: **Vehicle Preventative Maintenance**

Project Number: **1083**

Account Number: **EQP021**

Projected Annual FTE's:

Projected Operating Costs:

Description:

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.

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	2013	2014	2015	2016	2017	2018	Future
Project Costs:									
Equipment/Furniture	1,341,926	285,126	101,000	102,000	103,000	104,100	105,100	106,200	435,400
Total Cost	1,341,926	285,126	101,000	102,000	103,000	104,100	105,100	106,200	435,400
Funding Sources:									
General Fund	121,861	16,061	10,100	10,200	10,300	10,400	10,500	10,600	43,700
Federal Grant	1,098,404	252,904	80,800	81,600	82,400	83,300	84,100	85,000	348,300
State Grant	121,661	16,161	10,100	10,200	10,300	10,400	10,500	10,600	43,400
Total Funding	1,341,926	285,126	101,000	102,000	103,000	104,100	105,100	106,200	435,400

Project Title: On-Vehicle Video Surveillance System

Project Number: 1142

Account Number: EQP046

Projected Annual FTE's:

Projected Operating Costs:

Description:

Procure and installation of On-Vehicle Video Surveillance System on the Fixed-Route transit buses.

Assumptions & Justifications:

Capital grant projects assume 80% Federal, 10% State and 10% Local funding.
The Federal and State grant funding portion for this project has been awarded by MTA.

An On-Vehicle Surveillance System will promote passenger safety, discourage disorderly conduct, assist in tracking problem passengers, protect drivers and other employees from fraudulent claims, enforce good driving practices, deter vandalism and assist in collision investigations.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	160,000	0	160,000	0	0	0	0	0	0
Total Cost	160,000	0	160,000	0	0	0	0	0	0

Funding Sources:

General Fund	16,000	0	16,000	0	0	0	0	0	0
Federal Grant	128,000	0	128,000	0	0	0	0	0	0
State Grant	16,000	0	16,000	0	0	0	0	0	0
Total Funding	160,000	0	160,000	0	0	0	0	0	0

Project Title: Mobile Data Computers - Automatic Vehicle Locator

Project Number: 1143

Account Number: EQP044

Projected Annual FTE's:

Projected Operating Costs:

Description:

Install mobile data system equipment into our Paratransit and JOBS shuttle vehicles.

Assumptions & Justifications:

Procurements will be based on available grant funds from MTA and local match approval.

Project funding assumes 80% Federal, 10% State and 10% Local.

By providing real-time location, status information, and reporting of vehicles, a Mobile Data System and AVL results in faster and more efficient dispatching, streamlined operations, and improved safety for personnel, vehicle fleet and passengers.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	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	3,500	0	3,500	0	0	0	0	0	0
Federal Grant	28,000	0	28,000	0	0	0	0	0	0
State Grant	3,500	0	3,500	0	0	0	0	0	0
Total Funding	35,000	0	35,000	0	0	0	0	0	0

Project Title: Printing / Encoding Machines - PEMS

Project Number: 1145

Account Number: EQP047

Projected Annual FTE's:

Projected Operating Costs:

Description:

Procure two (2) Printing / Encoding Machines - PEMS.

Assumptions & Justifications:

Project funding assumes 80% Federal, 10 % State and 10% Local funding.
The Federal and State grant funding portion for this project has been awarded in FY 12.

Two Printing / Encoding machines will allow us to implement a cost effective and secure process for issuing magnetic fare cards at both of our locations.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Equipment/Furniture	40,000	0	40,000	0	0	0	0	0	0
Total Cost	40,000	0	40,000	0	0	0	0	0	0

Funding Sources:

General Fund	4,000	0	4,000	0	0	0	0	0	0
Federal Grant	32,000	0	32,000	0	0	0	0	0	0
State Grant	4,000	0	4,000	0	0	0	0	0	0
Total Funding	40,000	0	40,000	0	0	0	0	0	0

Water and Sewer



Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Project Costs										
<u>Water Quality</u>										
Utility Administration										
217	Contingency - Utility Admin	304,800	51,000	0	26,000	26,500	27,100	27,600	28,200	118,400
218	General Building Improvements	1,178,500	0	101,000	0	0	0	0	0	1,077,500
219	Laboratory Rehabilitation of Ventilation System	262,800	0	0	0	0	0	0	262,800	0
220	Water Quality Equipment and Vehicle Replacement Program	102,000	0	102,000	0	0	0	0	0	0
Utility Administration Total		1,848,100	51,000	203,000	26,000	26,500	27,100	27,600	291,000	1,195,900
Wastewater Utility										
221	Contingency - Sewer	580,900	73,500	0	52,000	53,100	54,100	55,200	56,300	236,700
222	Smithsburg Wastewater Treatment Plant - Facility Improvements	15,493,630	806,670	505,000	3,976,660	10,205,300	0	0	0	0
223	Pump Station Upgrades - Various Stations	1,829,500	50,000	733,700	0	0	520,300	525,500	0	0
224	Winebrenner Wastewater Treatment Plant Upgrade	15,700,200	11,900,800	3,799,400	0	0	0	0	0	0
225	Replace PO 2 Pump Station	1,261,100	0	0	0	1,261,100	0	0	0	0
226	Potomac Edison Pump Station and Force Main Relocation	1,531,000	0	0	0	0	0	1,531,000	0	0
227	Antietam Wastewater Treatment Plant - Facility Improvements	1,095,300	70,000	0	510,100	515,200	0	0	0	0
228	Roof replacement at Conococheague WwTP	208,100	0	0	0	0	208,100	0	0	0
229	General WwTP Improvements	312,200	0	0	0	0	312,200	0	0	0
230	Collection System Rehabilitation Project	788,300	0	0	0	0	0	0	788,300	0
231	Conococheague WwTP Improvement	796,100	0	0	0	0	0	0	0	796,100
232	Sandy Hook WwTP	765,600	0	0	0	0	0	0	0	765,600
233	I&I Rehabilitation	1,093,700	0	0	0	0	0	0	0	1,093,700
Wastewater Utility Total		41,455,630	12,900,970	5,038,100	4,538,760	12,034,700	1,094,700	2,111,700	844,600	2,892,100
Water Utility										
234	Contingency - Water	451,200	51,000	0	26,000	26,500	27,100	27,600	56,300	236,700
235	WQ Distribution System Water Main and Meter Replacement	621,300	0	101,000	102,000	103,000	0	315,300	0	0
236	General Water Treatment Plant Improvements	370,700	50,500	50,500	51,000	0	0	0	0	218,700
237	Elk Ridge Water System Improvements	104,100	0	0	0	0	104,100	0	0	0
238	Sharpsburg Water Treatment Plant	210,200	0	0	0	0	0	0	210,200	0
239	Mt Aetna Water System Improvements	541,400	0	0	0	0	0	0	0	541,400
Water Utility Total		2,298,900	101,500	151,500	179,000	129,500	131,200	342,900	266,500	996,800
Water Quality Total		45,602,630	13,053,470	5,392,600	4,743,760	12,190,700	1,253,000	2,482,200	1,402,100	5,084,800
TOTAL		45,602,630	13,053,470	5,392,600	4,743,760	12,190,700	1,253,000	2,482,200	1,402,100	5,084,800

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2013 - 2022

Page Ref	Project	Ten Year Capital Program								
		Total	Prior Appr.	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Future
Funding Sources										
	Utility Admin Fund	431,300	51,000	126,500	26,000	26,500	27,100	27,600	28,200	118,400
	Water Fund	729,700	101,500	177,000	77,000	26,500	27,100	27,600	56,300	236,700
	Sewer Fund	3,258,800	1,606,700	51,000	52,000	53,100	54,100	55,200	56,300	1,330,400
	Tax Supported Bond	333,100	333,100	0	0	0	0	0	0	0
	Self Supported Bond	26,806,730	5,888,770	3,460,200	4,258,960	6,478,400	1,144,700	915,100	1,261,300	3,399,300
	State Grant	11,735,200	5,072,400	1,577,900	329,800	4,345,100	0	410,000	0	0
	Contributions	2,307,800	0	0	0	1,261,100	0	1,046,700	0	0
	TOTAL	45,602,630	13,053,470	5,392,600	4,743,760	12,190,700	1,253,000	2,482,200	1,402,100	5,084,800

Project Title: Contingency - Utility Admin

Project Number: 106

Account Number: ADM003

Projected Annual FTE's:

Projected Operating Costs:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Other	304,800	51,000	0	26,000	26,500	27,100	27,600	28,200	118,400
Total Cost	304,800	51,000	0	26,000	26,500	27,100	27,600	28,200	118,400

Funding Sources:

Utility Admin Fund	304,800	51,000	0	26,000	26,500	27,100	27,600	28,200	118,400
Total Funding	304,800	51,000	0	26,000	26,500	27,100	27,600	28,200	118,400

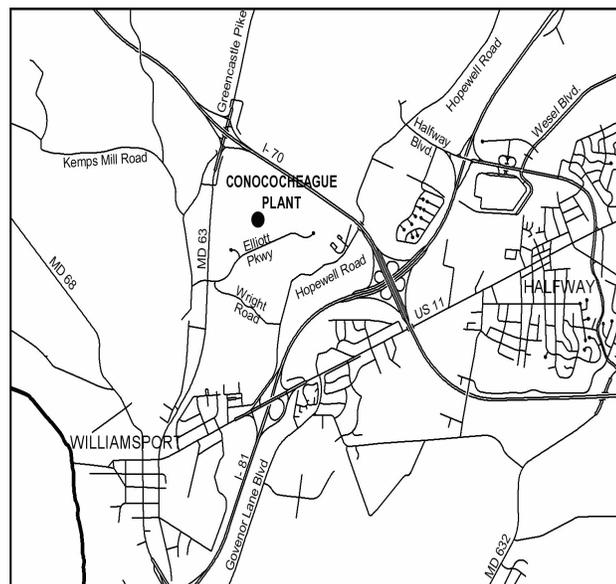
Project Title: General Building Improvements

Project Number: 113

Account Number: BLD073

Projected Annual FTE's:

Projected Operating Costs: 84,583



Description:

General building improvements to the administration office building.

Assumptions & Justifications:

Rehabilitation of the building appurtenances as recommended by the manufacturer and aging of the building.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	1,178,500	0	101,000	0	0	0	0	0	1,077,500
Total Cost	1,178,500	0	101,000	0	0	0	0	0	1,077,500

Funding Sources:

Utility Admin Fund	101,000	0	101,000	0	0	0	0	0	0
Self Supported Bond	1,077,500	0	0	0	0	0	0	0	1,077,500
Total Funding	1,178,500	0	101,000	0	0	0	0	0	1,077,500

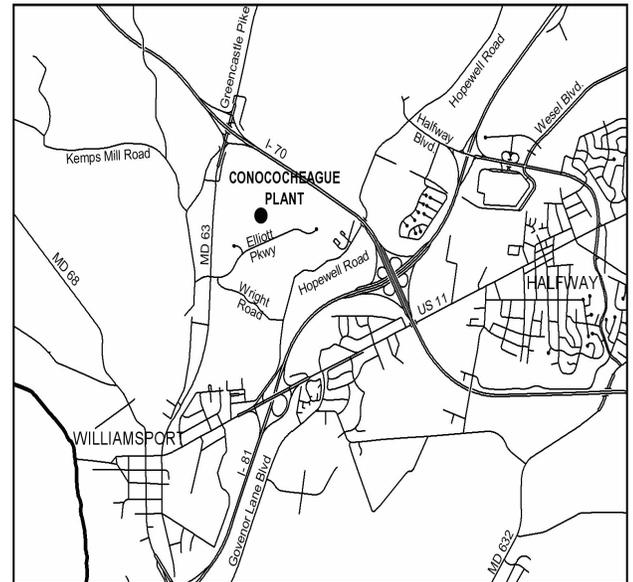
Project Title: Laboratory Rehabilitation of Ventilation System

Project Number: 1162

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Upgrade the existing ventilation system within the laboratory.

Assumptions & Justifications:

The existing ventilation system will reach it useful life and will need to be replaced.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	262,800	0	0	0	0	0	0	262,800	0
Total Cost	262,800	0	0	0	0	0	0	262,800	0

Funding Sources:

Self Supported Bond	262,800	0	0	0	0	0	0	262,800	0
Total Funding	262,800	0	0	0	0	0	0	262,800	0

Project Title: WQ Equipment and Vehicle Replacement Program

Project Number: 1175

Account Number: VEH007

Projected Annual FTE's:

Projected Operating Costs:

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:

Priority Equipment and Vehicle Purchases:

- 20,000 - 1 Phi Hydro Pulse Mixer
- 25,000 - 1 One Ton Dual Wheeled 4x4 cab with chassis
- 24,200 - 1 Three fourths Tons 4x4 with plow
- 20,400 - 1 Three fourths Tons 4x4
- 28,000 - 1 4x4 SUV
- 29,000 - 1 Three fourths ton 4x4 utility body
- 25,200 - 1 Three fourths ton 4x4 with plow
- 16,000 - 1 Trench box
- 32,000 - 1 Escavating attachment for Vac Con
- 28,000 - 1 4x4 SUV
- 25,200 - 1 Three fourths ton 4x4 with plow
- 30,000 - 1 Sewer line Camera
- 300,000-1 Mack truck and tanker
- 45,000 - 1 Vibrator/roller
- 82,000 - 1 Rubber tired wheel loader

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Vehicles	102,000	0	102,000	0	0	0	0	0	0
Total Cost	102,000	0	102,000	0	0	0	0	0	0

Funding Sources:

Utility Admin Fund	25,500	0	25,500	0	0	0	0	0	0
Water Fund	25,500	0	25,500	0	0	0	0	0	0
Sewer Fund	51,000	0	51,000	0	0	0	0	0	0
Total Funding	102,000	0	102,000	0	0	0	0	0	0

Project Title: Contingency - Sewer

Project Number: 114

Account Number: ADM008

Projected Annual FTE's:

Projected Operating Costs:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Other	580,900	73,500	0	52,000	53,100	54,100	55,200	56,300	236,700
Total Cost	580,900	73,500	0	52,000	53,100	54,100	55,200	56,300	236,700

Funding Sources:

Sewer Fund	580,900	73,500	0	52,000	53,100	54,100	55,200	56,300	236,700
Total Funding	580,900	73,500	0	52,000	53,100	54,100	55,200	56,300	236,700

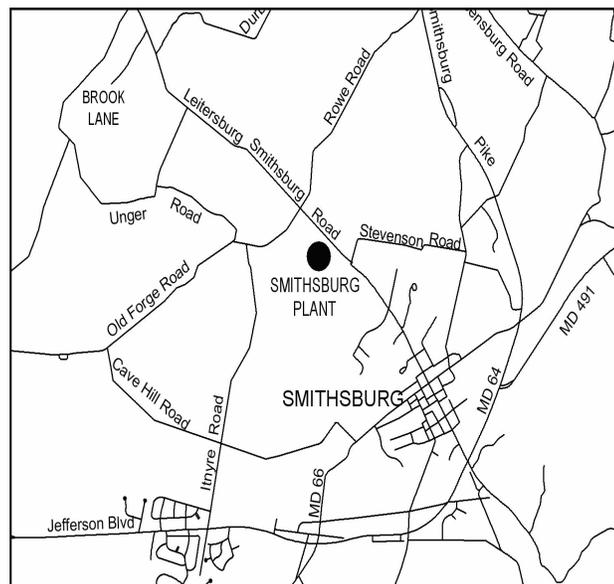
Project Title: Smithsburg WwTP - Facility Improvements

Project Number: 115

Account Number: TRP021

Projected Annual FTE's:

Projected Operating Costs: 86,600



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 area.

Assumptions & Justifications:

Upgrade required to meet MDE's ENR strategy and to prepare for anticipated development in the area. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	435,470	435,470	0	0	0	0	0	0	0
Construction	15,058,160	371,200	505,000	3,976,660	10,205,300	0	0	0	0
Total Cost	15,493,630	806,670	505,000	3,976,660	10,205,300	0	0	0	0

Funding Sources:

Sewer Fund	431,200	431,200	0	0	0	0	0	0	0
Tax Supported Bond	68,000	68,000	0	0	0	0	0	0	0
Self Supported Bond	10,319,530	307,470	505,000	3,646,860	5,860,200	0	0	0	0
State Grant	4,674,900	0	0	329,800	4,345,100	0	0	0	0
Total Funding	15,493,630	806,670	505,000	3,976,660	10,205,300	0	0	0	0

Project Title: Pump Station Upgrades - Various Stations

Project Number: 117

Account Number: LIN034

Projected Annual FTE's:

Projected Operating Costs: (1,500)

Description:

General upgrades including electrical/equipment upgrades.

Assumptions & Justifications:

Upgrades required to address aging equipment issues.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	1,829,500	50,000	733,700	0	0	520,300	525,500	0	0
Total Cost	1,829,500	50,000	733,700	0	0	520,300	525,500	0	0

Funding Sources:

Tax Supported Bond	36,000	36,000	0	0	0	0	0	0	0
Self Supported Bond	1,793,500	14,000	733,700	0	0	520,300	525,500	0	0
Total Funding	1,829,500	50,000	733,700	0	0	520,300	525,500	0	0

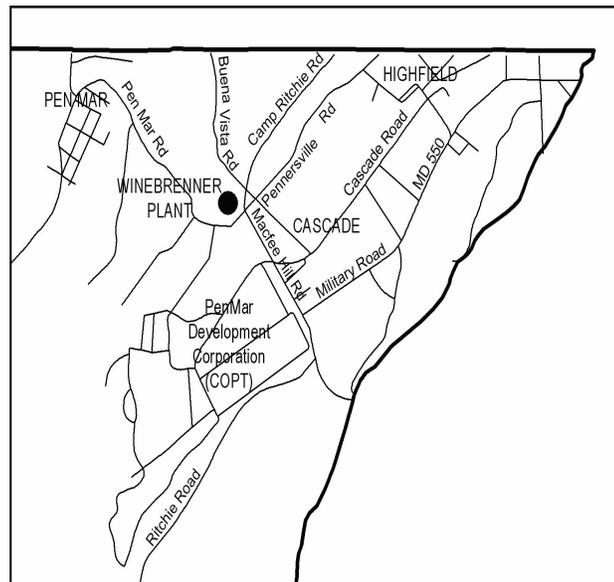
Project Title: Winebrenner Wastewater Treatment Plant Upgrade

Project Number: 119

Account Number: TRP016

Projected Annual FTE's:

Projected Operating Costs: 69,700



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 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	291,700	291,700	0	0	0	0	0	0	0
Construction	15,408,500	11,609,100	3,799,400	0	0	0	0	0	0
Total Cost	15,700,200	11,900,800	3,799,400	0	0	0	0	0	0

Funding Sources:

Sewer Fund	1,032,000	1,032,000	0	0	0	0	0	0	0
Tax Supported Bond	229,100	229,100	0	0	0	0	0	0	0
Self Supported Bond	7,788,800	5,567,300	2,221,500	0	0	0	0	0	0
State Grant	6,650,300	5,072,400	1,577,900	0	0	0	0	0	0
Total Funding	15,700,200	11,900,800	3,799,400	0	0	0	0	0	0

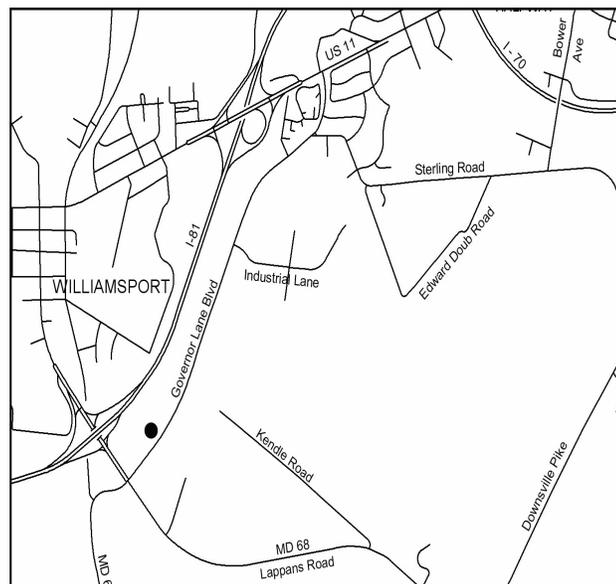
Project Title: Replace PO 2 Pump Station

Project Number: 120

Account Number:

Projected Annual FTE's:

Projected Operating Costs: 11,800



Description:

Replacement of the PO 2 pump station.

Assumptions & Justifications:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	1,261,100	0	0	0	1,261,100	0	0	0	0
Total Cost	1,261,100	0	0	0	1,261,100	0	0	0	0

Funding Sources:

Contributions	1,261,100	0	0	0	1,261,100	0	0	0	0
Total Funding	1,261,100	0	0	0	1,261,100	0	0	0	0

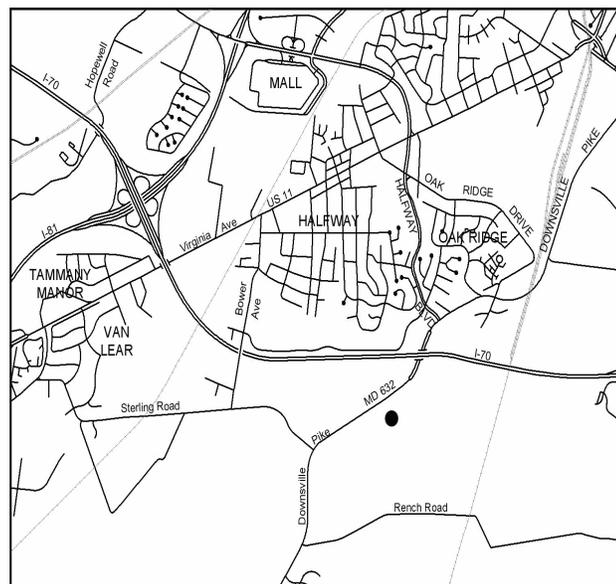
Project Title: Potomac Edison Pump Station & Force Main Relocation

Project Number: 121

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Relocation of the existing force main and the Potomac Edison pump station.

Assumptions & Justifications:

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. Pending grant funding approval.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	1,531,000	0	0	0	0	0	1,531,000	0	0
Total Cost	1,531,000	0	0	0	0	0	1,531,000	0	0

Funding Sources:

Self Supported Bond	74,300	0	0	0	0	0	74,300	0	0
State Grant	410,000	0	0	0	0	0	410,000	0	0
Contributions	1,046,700	0	0	0	0	0	1,046,700	0	0
Total Funding	1,531,000	0	0	0	0	0	1,531,000	0	0

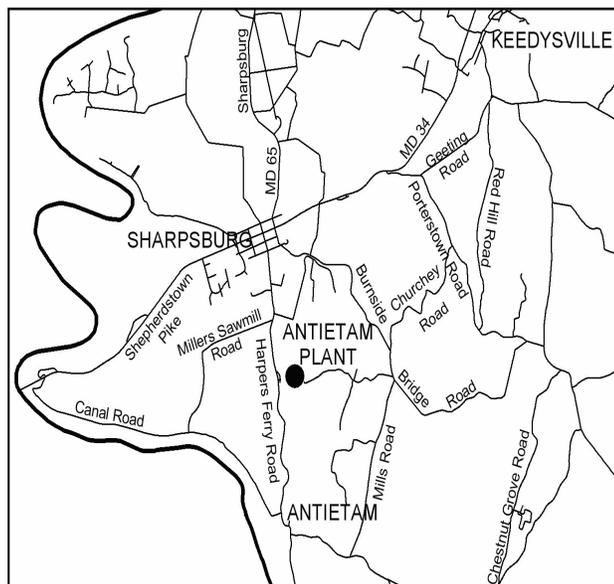
Project Title: Antietam WwTP - Facility Improvements

Project Number: 122

Account Number: TRP017

Projected Annual FTE's:

Projected Operating Costs: 74,000



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	70,000	70,000	0	0	0	0	0	0	0
Construction	1,025,300	0	0	510,100	515,200	0	0	0	0
Total Cost	1,095,300	70,000	0	510,100	515,200	0	0	0	0

Funding Sources:

Sewer Fund	70,000	70,000	0	0	0	0	0	0	0
Self Supported Bond	1,025,300	0	0	510,100	515,200	0	0	0	0
Total Funding	1,095,300	70,000	0	510,100	515,200	0	0	0	0

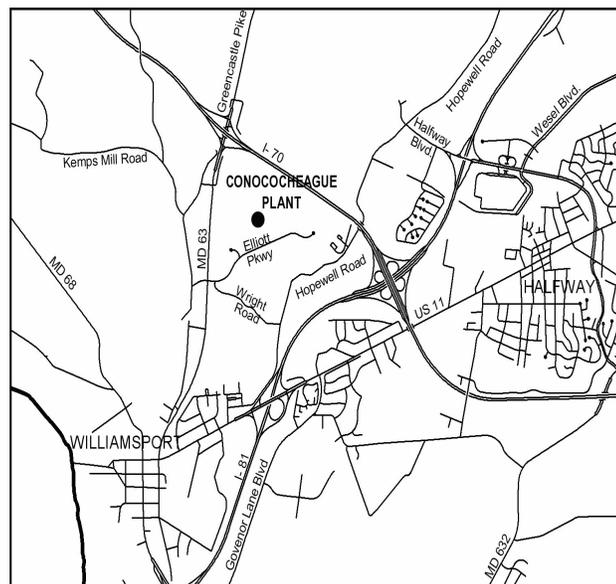
Project Title: Roof replacement at Conococheague WwTP

Project Number: 1077

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	208,100	0	0	0	0	208,100	0	0	0
Total Cost	208,100	0	0	0	0	208,100	0	0	0

Funding Sources:

Self Supported Bond	208,100	0	0	0	0	208,100	0	0	0
Total Funding	208,100	0	0	0	0	208,100	0	0	0

Project Title: General WwTP Improvements

Project Number: 1078

Account Number:

Projected Annual FTE's:

Projected Operating Costs:

Description:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	312,200	0	0	0	0	312,200	0	0	0
Total Cost	312,200	0	0	0	0	312,200	0	0	0

Funding Sources:

Self Supported Bond	312,200	0	0	0	0	312,200	0	0	0
Total Funding	312,200	0	0	0	0	312,200	0	0	0

Project Title: Collection System Rehabilitation Project

Project Number: 1159

Account Number:

Projected Annual FTE's:

Projected Operating Costs:

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 causes environmental issues.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	788,300	0	0	0	0	0	0	788,300	0
Total Cost	788,300	0	0	0	0	0	0	788,300	0

Funding Sources:

Self Supported Bond	788,300	0	0	0	0	0	0	788,300	0
Total Funding	788,300	0	0	0	0	0	0	788,300	0

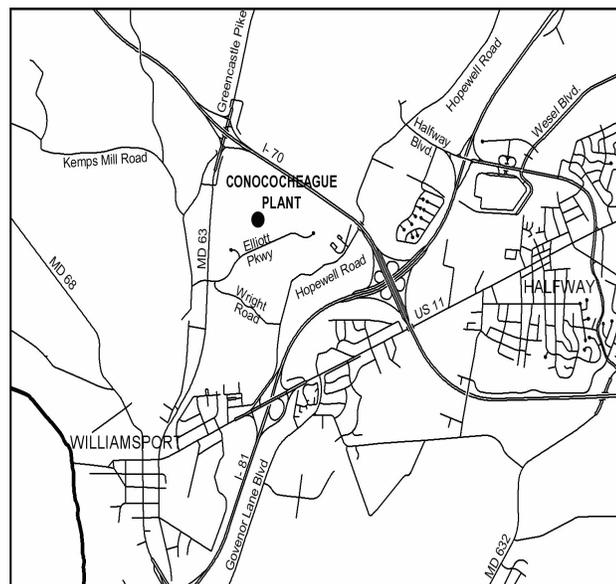
Project Title: Conococheague WwTP Improvement

Project Number: 1171

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Upgrades to equipment not addressed in ENR upgrade.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	796,100	0	0	0	0	0	0	0	796,100
Total Cost	796,100	0	796,100						

Funding Sources:

Self Supported Bond	796,100	0	0	0	0	0	0	0	796,100
Total Funding	796,100	0	796,100						

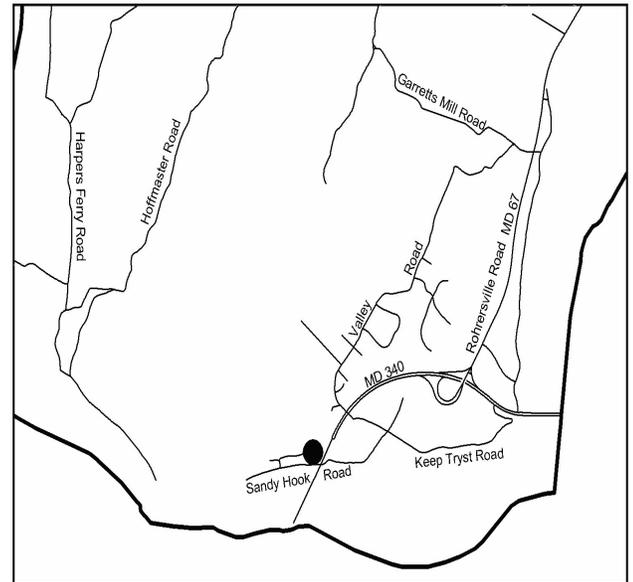
Project Title: Sandy Hook WwTP

Project Number: 1172

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Engineering/Design	109,400	0	0	0	0	0	0	0	109,400
Construction	656,200	0	0	0	0	0	0	0	656,200
Total Cost	765,600	0	765,600						

Funding Sources:

Self Supported Bond	765,600	0	0	0	0	0	0	0	765,600
Total Funding	765,600	0	765,600						

Project Title: I&I Rehabilitation

Project Number: 1173

Account Number:

Projected Annual FTE's:

Projected Operating Costs:

Description:

Rehabilitate existing sewer lines.

Assumptions & Justifications:

Part of the sewer collection system is showing sign of deterioration due to age, thus those line need to be rehabilitated.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	1,093,700	0	0	0	0	0	0	0	1,093,700
Total Cost	1,093,700	0	1,093,700						

Funding Sources:

Sewer Fund	1,093,700	0	0	0	0	0	0	0	1,093,700
Total Funding	1,093,700	0	1,093,700						

Project Title: Contingency - Water

Project Number: 126

Account Number: ADM007

Projected Annual FTE's:

Projected Operating Costs:

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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Other	451,200	51,000	0	26,000	26,500	27,100	27,600	56,300	236,700
Total Cost	451,200	51,000	0	26,000	26,500	27,100	27,600	56,300	236,700

Funding Sources:

Water Fund	451,200	51,000	0	26,000	26,500	27,100	27,600	56,300	236,700
Total Funding	451,200	51,000	0	26,000	26,500	27,100	27,600	56,300	236,700

Project Title: WQ Water Main and Meter Replacement

Project Number: 130

Account Number: LIN004

Projected Annual FTE's:

Projected Operating Costs:

Description:

Replace aging water mains and meters in various water distribution systems.

Assumptions & Justifications:

Replacement due to the age deterioration of the water mains and meters.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	621,300	0	101,000	102,000	103,000	0	315,300	0	0
Total Cost	621,300	0	101,000	102,000	103,000	0	315,300	0	0

Funding Sources:

Water Fund	101,000	0	101,000	0	0	0	0	0	0
Self Supported Bond	520,300	0	0	102,000	103,000	0	315,300	0	0
Total Funding	621,300	0	101,000	102,000	103,000	0	315,300	0	0

Project Title: General Water Treatment Plant Improvements

Project Number: 132

Account Number: TRP025

Projected Annual FTE's:

Projected Operating Costs:

Description:

General upgrades to water treatment plants including electrical systems and equipment.

Assumptions & Justifications:

Upgrades required to address aging equipment, maintain high water quality, and address Federal/State regulations.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	370,700	50,500	50,500	51,000	0	0	0	0	218,700
Total Cost	370,700	50,500	50,500	51,000	0	0	0	0	218,700

Funding Sources:

Water Fund	152,000	50,500	50,500	51,000	0	0	0	0	0
Self Supported Bond	218,700	0	0	0	0	0	0	0	218,700
Total Funding	370,700	50,500	50,500	51,000	0	0	0	0	218,700

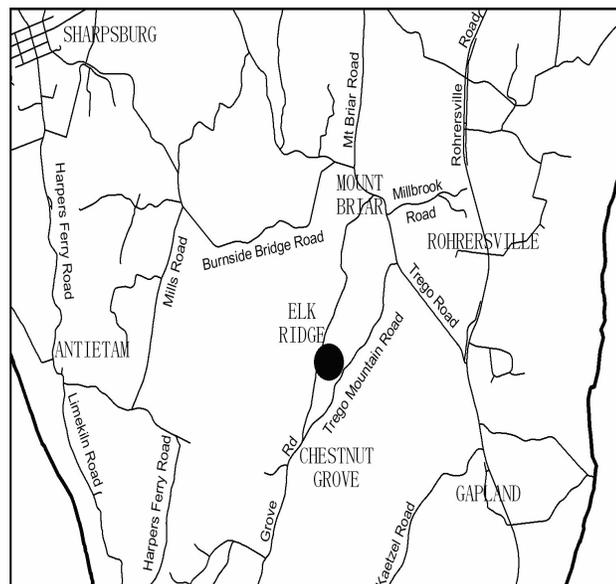
Project Title: Elk Ridge Water System Improvements

Project Number: 1076

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Upgrade, replace, and rehabilitate water treatment plant equipment and appurtenances.

Assumptions & Justifications:

Rehabilitation of the water treatment plant infrastructure due to aging equipment and to maintain a high water quality to the customers.

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	104,100	0	0	0	0	104,100	0	0	0
Total Cost	104,100	0	0	0	0	104,100	0	0	0

Funding Sources:

Self Supported Bond	104,100	0	0	0	0	104,100	0	0	0
Total Funding	104,100	0	0	0	0	104,100	0	0	0

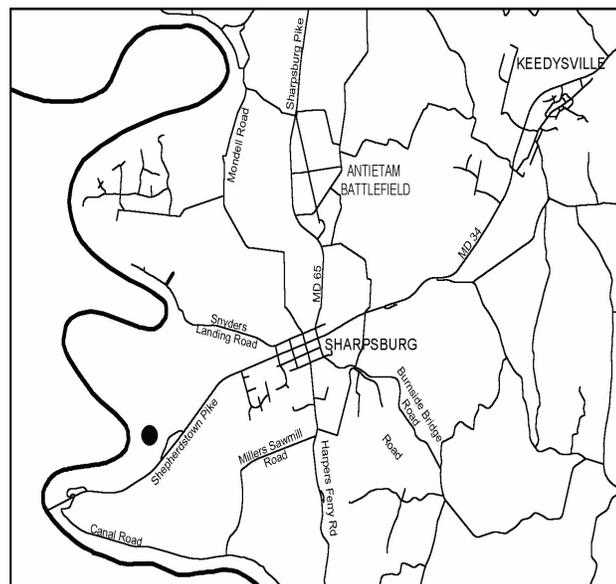
Project Title: Sharpsburg Water Treatment Plant

Project Number: 1161

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

Sharpsburg Water Treatment Plant upgrades as 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	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	210,200	0	0	0	0	0	0	210,200	0
Total Cost	210,200	0	0	0	0	0	0	210,200	0

Funding Sources:

Self Supported Bond	210,200	0	0	0	0	0	0	210,200	0
Total Funding	210,200	0	0	0	0	0	0	210,200	0

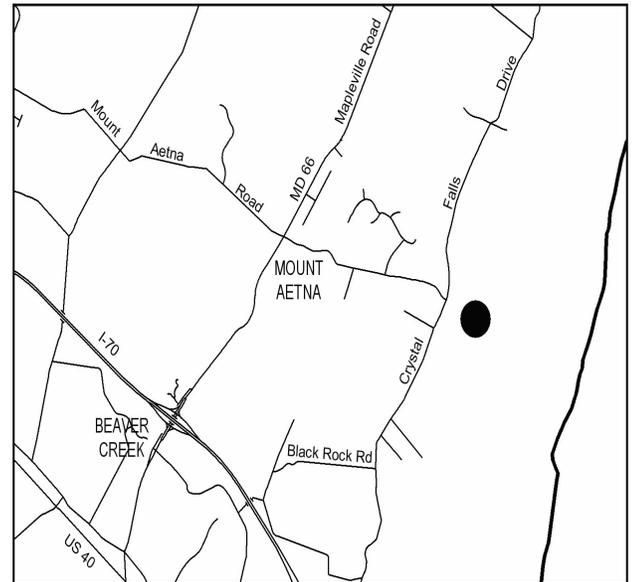
Project Title: Mt Aetna Water System Improvements

Project Number: 1169

Account Number:

Projected Annual FTE's:

Projected Operating Costs:



Description:

General plant and system improvements

Assumptions & Justifications:

10 year plan	Total	Prior Years	2013	2014	2015	2016	2017	2018	Future
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Project Costs:

Construction	541,400	0	0	0	0	0	0	0	541,400
Total Cost	541,400	0	541,400						

Funding Sources:

Self Supported Bond	541,400	0	0	0	0	0	0	0	541,400
Total Funding	541,400	0	541,400						

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