



Washington County

M A R Y L A N D



Fiscal Year 2016 Ten Year Capital Improvement Plan

Table of Contents

	<u>Page</u>
 Introduction	
County Commissioners of Washington County	1
Vision and Mission Statement	3
Table of Organization.....	5
Community Profile	7
 Capital Improvement Plan Development	
Capital Improvement Program	15
Capital Improvement Plan Process	15
Components of the Capital Program	16
Capital Project Definition.....	16
Capital Project Priority Ranking System.....	16
Capital Improvement Plan Funding Sources	18
 Fiscal Year 2016 Overview	
FY16 Capital Improvement Budget Overview	19
Operating Impact of Capital Improvement Projects	19
Debt Affordability Analysis	20
Outstanding Debt	24
Statement of Revenues and Expenditures	28
Project Detail of Major Projects – Fiscal Year 2016.....	29
 Ten Year Summary	
Ten Year Capital Improvement Plan Graphs.....	33
Capital Improvement 10 Yr Summary Report.....	34
Project Detail of Major Projects – Fiscal Years 2016-2025	35
Capital Improvement 10yr Detail Report.....	37
 Project Lists, Descriptions, Funding Sources, & Operating Impacts:	
Airport	43
Bridges.....	55
Drainage.....	89
Education.....	99
Board of Education.....	101
Hagerstown Community College	111
Public Libraries.....	121

Table of Contents

	<u>Page</u>
General Government	123
Parks & Recreation	133
Public Safety	141
Railroad Crossings	147
Road Improvement	149
Solid Waste	173
Transit	185
Water Quality	193



County Commissioners of Washington County



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



JOHN F. BARR, a third-term County Commissioner, was first elected in 2006. 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. He currently serves as First Vice President of the Maryland Association of Counties.



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



LEROY E. MYERS, a first-term County Commissioner, was born in Washington County and has lived in the Clear Spring area his entire life. He is a three-term Maryland State Delegate serving District IC from 2003-2014. He graduated from Clear Spring High School and attended Hagerstown Community College for two years. Mr. Myers is the owner and president of Myers Building Systems, Inc., a general contracting firm.



VINCENT G. "WOODY" SPONG was sworn in as a County Commissioner on April 27, 2015, to fill the vacated seat of William J. Wivell. He is a graduate of Williamsport High School, Hagerstown Community College and the University of Maryland. Mr. Spong holds a Master's degree from McDaniel College. He retired as principal of Salem Avenue Elementary School after 32 years of service. The United States Department of Education named the school a National Blue Ribbon School of Excellence while he was principal.

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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):

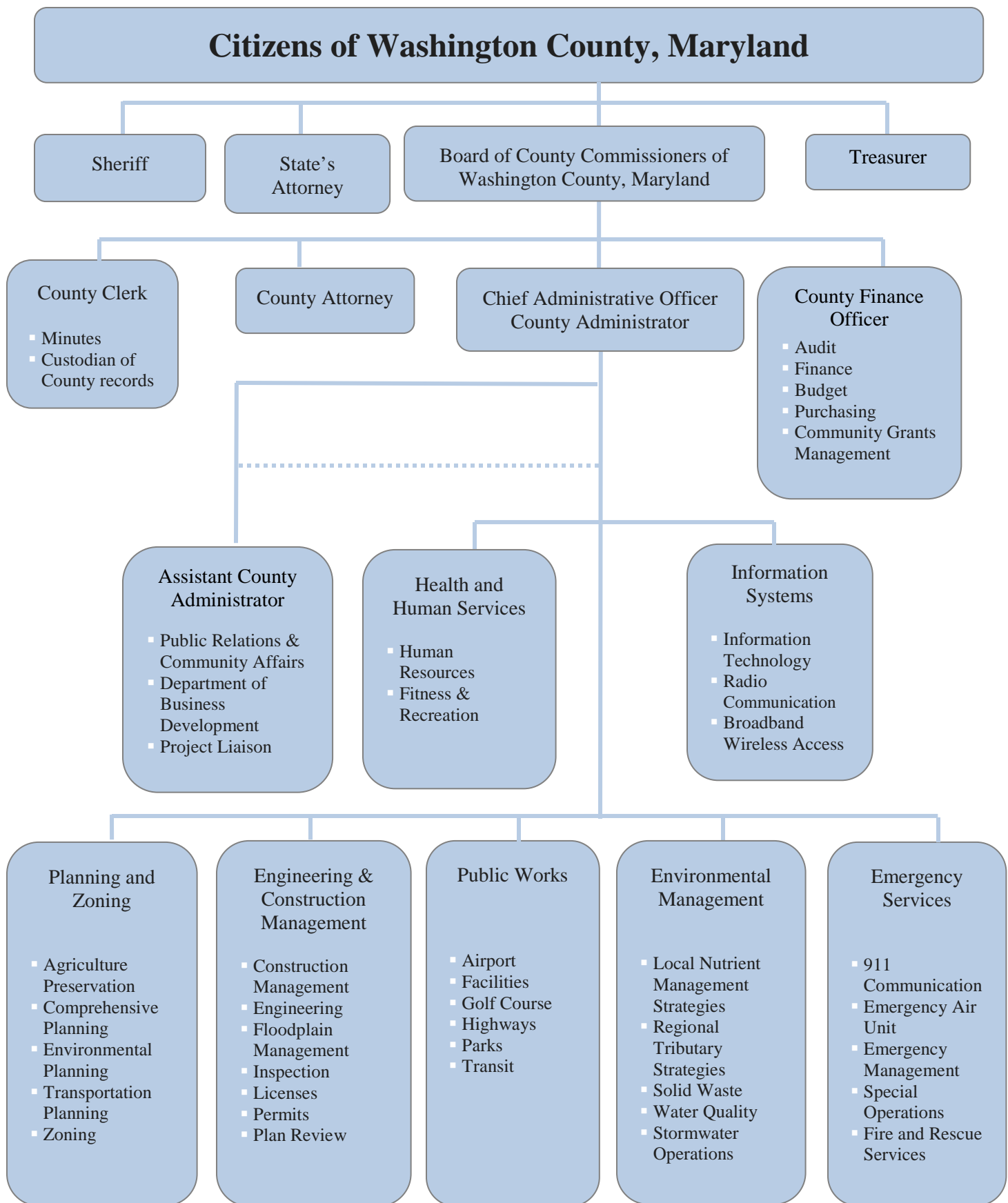
Supporting and strengthening individual and community self-reliance and responsibility;

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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Community Profile

Location

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



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

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

Culture and Recreation

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

Some of Washington County's major local attractions include:



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

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

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



The Maryland Theatre

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

Form of Government

The County is a body corporate and politic, which performs all local governmental functions in Washington County except those performed by the nine incorporated municipalities within Washington County. The executive offices of the County are located at 100 West Washington Street, Hagerstown, Maryland 21740. The County’s central telephone number is (240)-313-2210 and its website is www.washco-md.net.

Under the Code of the Public Local Laws of Washington County (2007 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.

As authorized by the County Code, the County Commissioners appoint a County Administrator. The county Administrator is selected on the basis of his or her executive and administrative abilities, including his or her knowledge and experience in public administration. The County Administrator is responsible for the proper administration of the Board’s affairs. He is charged with the supervision of the departments and agencies of the County, and is responsible for the day-to-day operations of the County government in conformity with public local laws and other laws applying to the County.

County financial matters are administered in part through the office of the Treasurer of Washington County. The County Code establishes the elective office of County Treasurer. The County Treasurer is constituted the collector of County and State taxes, charges and assessments and is charged with the enforcement of collection of taxes in the manner provided by law.

As authorized by the County Code, the Board appoints the CFO on the basis of his or her experience in financial administration. The CFO is charged with assisting the Board in the preparation and administration of the County budgets and other accounting and fiscal matters as the Board deems necessary. In addition, the CFO is responsible for the study of the organization, methods and procedures of each office, department, board, commission, institution, and agency of County government.

Services

Transportation

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

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

Hospital and Medical Care

Meritus Health, located in Hagerstown, Maryland, is the largest healthcare provider in Western Maryland. Its programs span the continuum of healthcare, ranging from inpatient care to occupational health services to physician practices and outpatient care.

Meritus Medical Center is an acute care hospital with 251-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 magnetic resonance imaging (MRI), single-photo-emission computed tomography (SPCT) scanners, and cardiac interventions. Hospital services that address outpatient needs include the John R. Marsh Cancer Center, Total Rehab care, the Center for Breast Cancer Health, 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 Washington County Health Department, which provides various health services to the citizens of Washington County, employs a total of 183 full-time and part-time personnel in five divisions.

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

Safety

The Washington County Sheriff's Office, the Maryland State Police, and municipal police agencies provide police protection in Washington County. The Sheriff's Office has 99 sworn personnel and 92 radio-dispatched vehicles. The Sheriff's Office is responsible for the operation of the Detention Center, which has a capacity of 450 inmates. The State Police has 34 troopers assigned to the local barrack, which is located just south of Hagerstown. The Hagerstown Police Department has a full-time force of 108 officers. The Hancock Police Department employs 2 full-time and 3 part-time officers. In addition, the Smithsburg Police Department and the Boonsboro Police Department each employ 4 police officers.

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

Environmental Management

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

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

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

Department of Business Development

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

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

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

Demographic Information

Population

<u>Year</u>	<u>County Total</u>
1980	113,086
1990	121,393
2000	131,923
2010	147,430
2014	149,588
2015 projected	151,200
2020 projected	160,300
2025 projected	169,950

Sources: U.S. Bureau of the Census 1980, 1990, 2000, 2011;
Projections by the Maryland Department of Planning 2015.

County Income

Per Capita Income	\$ 26,972
Median Household Income	\$ 55,700
Average Household Income	\$ 67,972

Sources: Washington County Department of Business Development

Housing

2014 Median Selling Price

Washington County	\$ 160,500
Maryland	\$ 256,632

Source: Maryland Association of Realtors.

Households

Number of Households	60,814
Number of Family Households	37,506
Number of Non-family Households	14,831

Source: U.S. Bureau of the Census for 2010.(updated 2014)

Population Statistics

Age:	19 & under	24.50%
	20-64 (workforce age)	60.10%
	65 & older	15.40%
	Median Age	40.3
Gender:	Male	51.10%
	Female	48.90%
Race:	White	84.80%
	Black	10.70%
	Other	4.50%

Source: U.S. Bureau of the Census, 2010 (updated 2014) American Community Survey.

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 Evening High School
1 Outdoor Education
1 Special Education

Pupil/Teacher Ratio: 14:1

Public Enrollment: 22,327

39 Private Schools

Source: Washington County Board of Education (2014)

County Water Quality Systems

	<u>Total # of Services</u>
Full Service Water	1,346
Full Service Sewer	6,970
Collection Service Sewer	<u>3,630</u>
Total	11,946

Source: Washington County Department of Environmental Management 2014.

County Building Permits (000s)

	<u>Number</u>	<u>Value</u>
Residential New	168	\$37,720
Other Permits	<u>1,615</u>	<u>\$98,942</u>
Total	1,783	\$136,662

Source: Washington County Department of Plan Review and Permitting 2014.

County Employment Statistics

Civilian Labor Force	69,318
Employed	64,500
Unemployed	4,839
Unemployment Rate	7.00%
State Average	5.80%

Source: MD Department of Labor, Licensing & Regulation for 2014.

Top 15 Employers in Washington County

	<u>Employer</u>	<u>Employment</u>
1	Washington County Public Schools	2,970
2	Meritus Health, Inc.	2,740
3	State of Maryland	2,568
4	First Data	2,322
5	Citi	2,100
6	Volvo Group	1,517
7	Washington County Government	1,352
8	Hagerstown Community College	890
9	The Bowman Group, LLP	746
10	Federal Government	705
11	FedEx Ground	648
12	Staples Distribution Center	567
13	Merkle Response Services, Inc.	545
14	City of Hagerstown	486
15	Sierra Nevada Corporation	450

Source: Washington County Department of Business Development 2014.

County Business Patterns

<u>Industry</u>	<u>Total # Establishments</u>
Services	1,230
Retail Trade	627
Other	393
Construction	349
Finance, Insurance, Real Estate	337
Transportation/Warehousing	153
Wholesale Trade	152
Manufacturing	114
Information	58
Utilities	9
Mining	2
Agricultural	<u>2</u>
Total	3,426

Source: U.S. Bureau of the Census 2010, (updated 2014) County Business Patterns

**Top 20 Largest Taxpayers in Washington County
as of June 30, 2014
Ranked by Assessed Value**

	<u>Taxpayer</u>	<u>Assessed Value</u>
1	Outlet Village of Hagerstown	\$ 103,449,460
2	PR Valley Limited Ptsp	93,369,320
3	Potomac Edison	78,483,040
4	FedEx Ground Package System Inc.	66,254,090
5	Bowman Group	58,825,377
6	Washington Real Estate	58,594,599
7	254 Hagerstown/Citigroup/Citicorp	48,800,300
8	IIT Hagerstown Dist. Center	47,518,900
9	Staples of Maryland, LLC.	45,897,950
10	Walmart Stores/Wal-Mart R.E./Sam's R.E./Sam's East	40,465,760
11	Liberty Property Limited	39,366,000
12	Verizon-Maryland	38,002,520
13	GP Hagerstown Limited Ptsp	34,932,500
14	2007 East Greencastle Pike	34,553,100
15	Mack Trucks Inc.	32,665,200
16	FR Hagerstown, LLC.	32,131,800
17	Lowe's Home Centers Inc.	30,205,233
18	Tractor Supply Company	28,836,787
19	Norfolk Southern Combined Rail	27,866,520
20	Meritus Health Inc	26,586,955

Source: Washington County Treasurer's Office

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

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

Capital Improvement Plan Process

Capital Improvement Plan development begins in the winter after the completion of the debt affordability analysis. The Capital Improvement Program provides a comprehensive approach to planning and impacts all facets of County operations. The County Administrator, the Chief Financial Officer, the Planning Director, the Director of Public Works, and the Director of Engineering and Construction comprise the Capital Improvement Plan Committee, (“CIP Committee”). From the time the Capital Improvement Plan’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 Capital Improvement Plan 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 Capital Improvement Plan is reviewed in conjunction with the debt affordability analysis and revenue projections, inclusive of rate analysis, in order to determine funding availability. A financial analysis of funding sources and project costs is conducted for all proposed capital improvement projects. It is the CIP Committee's responsibility to review all requests that County departments and agencies submit. All projects are ranked based on established criteria for priority ranking. Considering current and future needs, as developed in the ten-year plan, available funding sources, and the results of the priority ranking process, the CIP Committee determines which capital projects best meet established criteria for the current fiscal year Capital Improvement Budget and the nine-year forecast.

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

Components of the Capital Program

Capital Project Definition

Capital Projects are included in the Capital Improvement Plan when the project supports or improves infrastructure needs and/or the productive capacity of the County. Projects should have a useful life greater than 5 years and an estimated cost of \$10,000 or more, and should also meet one or more of the following criteria:

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

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

Capital Project Priority Ranking System

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

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

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

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

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

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

- Priority 4 Projects that provide for necessary maintenance or replacement, but where deferral will not result in significantly increased cost to the County.
- Priority 5 Projects that conflict with the master plan and/or projects for which there are concerns related to serious need, cost, justification, or timing.

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 Capital Improvement Plan 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 Capital Improvement Plan and Capital Budget.

Capital Improvement Plan Funding Sources

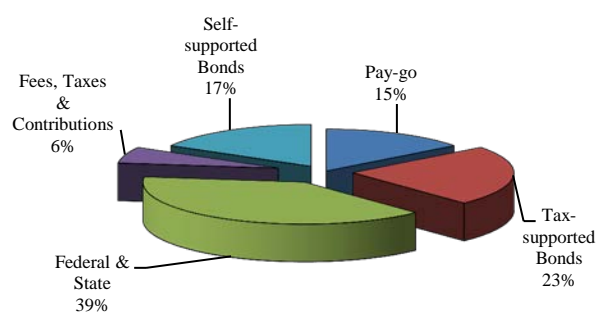
Funding sources in the Capital Improvement Plan are budgeted in each fiscal year in which they will be received. All potential funding sources are considered when developing the Capital Improvement Plan to ensure that projects are funded with appropriate revenue streams. Some projects are funded with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

- Tax-supported Bonds are General Obligation Bonds secured by the full faith and credit of the issuer. General Obligation Bonds issued by the County are secured by a pledge of the County's property taxing power, and must be authorized by legislative authority. The amount to be issued in this fiscal year is based on the County's debt affordability guidelines, debt policies, and future project costs.
- Self-supported Bonds are issued for enterprise funds and the debt service is paid from user fees.
- Pay-Go Funds represent cash contributions from various operating funds for specific capital projects without a dedicated funding source. The fiscal year 2016 amount is based on available cash resources and was determined by maximizing the contribution level to best match funding strategies, useful lives, benefit of assets, and cost.
- Federal and State Funds are for specific projects and are restrictive in nature. These funds are inconsistent from year-to-year and are not used as a base revenue stream.
- Fees and Taxes is the other major funding source. Excise tax is assessed for residential construction at \$1 per sq foot (SF), and \$.50 SF for additions to residential properties. Excise tax for nonresidential non-retail is assessed at \$1 SF and nonresidential retail at \$1 SF for the first 15,000 SF and \$3 SF thereafter. Budgeted excise tax is based on projected growth and development. Transfer tax is charged on recorded real property transfers in the County at a rate of .5%. Transfer tax revenue for fiscal year 2016 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.

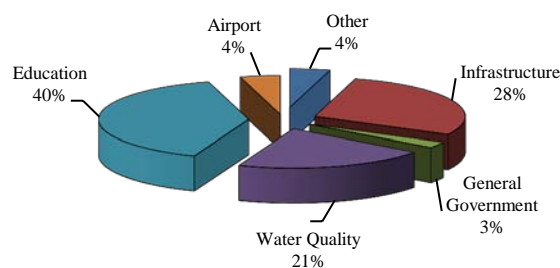
FY16 Capital Improvement Budget Overview

A graphic illustration of planned capital project distribution and funding sources for fiscal year 2016 is shown below. The fiscal year 2016 Capital Improvement Budget is funded mainly from: tax supported and self-supported bonds, pay-go funds, federal and state funds, and developer based fees.

Funding Sources



Capital Project Distribution



Operating Impact of Capital Improvement Projects

The operating impact of capital projects are reviewed and considered during the Capital Improvement Plan review process. Estimated new revenues and or operational efficiency savings associated with projects are also taken into consideration. The operating costs of the projects are identified and considered during the ranking evaluation. The operating costs of projects to be completed and in-service during the budget year are identified and justified as part of the operating budget process. Additions or eliminations of personnel, significant start-up costs, as well as operation and maintenance costs of the new facilities are included in the operating budget. These conservative operating cost estimates include: personnel, equipment maintenance, building maintenance, and other major costs anticipated at the completion of the project. An important consideration in the County's Capital Improvement Budget is the fiscal impact on the Operating Budget due to the additional debt service cost. Total debt service cost for fiscal 2016 is approximately \$19.8 million.

The ten-year operating budget impact for major projects approved in the fiscal year 2016 Capital Budget are presented in the project detail schedule located in the next section.

Debt Affordability Analysis

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

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

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

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

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

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

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

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

Ratio and Peer Group Median Comparisons								
Fiscal Year	Debt Per Capita		Debt as a 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
2011	860	1,640	1.02%	1.41%	6.69%	8.52%	.24%	.38%
2012	871	1,573	1.05%	1.50%	6.87%	8.77%	.24%	.38%
2013	878	1,549	1.08%	1.52%	7.08%	8.48%	.24%	.33%
2014	900	1,536	1.14%	1.68%	6.97%	8.41%	.23%	.33%
2015 estimated	912	1,536	1.17%	1.68%	7.15%	8.41%	.24%	.33%

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

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

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

Debt Capacity Analysis – Effect of Debt Issuance on Debt Ratios								
Fiscal Year	Debt Per Capita		Debt as a Percent of FMV		Debt Service as a % of General Fund Revenue		Debt Service Per Capita as a % of Income Per Capita	
	Projected	Peer Group Median	Projected	Peer Group Median	Projected	Peer Group Median	Projected	Peer Group Median
2016	943	1,536	1.19%	1.68%	6.64%	8.41%	.23%	.33%
2017	966	1,536	1.20%	1.68%	7.23%	8.41%	.24%	.33%
2018	990	1,536	1.21%	1.68%	7.18%	8.41%	.24%	.33%
2019	1,013	1,536	1.22%	1.68%	7.07%	8.41%	.24%	.33%
2020	1,032	1,536	1.23%	1.68%	7.30%	8.41%	.25%	.33%
2021	1,046	1,536	1.23%	1.68%	7.49%	8.41%	.25%	.33%
2022	1,062	1,536	1.23%	1.68%	7.28%	8.41%	.24%	.33%
2023	1,073	1,536	1.22%	1.68%	7.42%	8.41%	.25%	.33%

Debt Capacity Analysis – Effect of Debt Issuance on Debt Ratios								
Fiscal Year	Debt Per Capita		Debt as a Percent of FMV		Debt Service as a % of General Fund Revenue		Debt Service Per Capita as a % of Income Per Capita	
	Projected	Peer Group Median	Projected	Peer Group Median	Projected	Peer Group Median	Projected	Peer Group Median
2024	1,080	1,536	1.21%	1.68%	7.59%	8.41%	.25%	.33%
2025	1,084	1,536	1.20%	1.68%	7.72%	8.41%	.26%	.33%
2026	1,085	1,536	1.18%	1.68%	7.68%	8.41%	.26%	.33%
2027	1,086	1,536	1.17%	1.68%	7.64%	8.41%	.25%	.33%
2028	1,081	1,536	1.14%	1.68%	7.78%	8.41%	.26%	.33%
2029	1,085	1,536	1.13%	1.68%	7.16%	8.41%	.24%	.33%
2030	1,087	1,536	1.12%	1.68%	7.11%	8.41%	.24%	.33%
2031	1,083	1,536	1.10%	1.68%	7.34%	8.41%	.24%	.33%
2032	1,077	1,536	1.07%	1.68%	7.28%	8.41%	.24%	.33%
2033	1,070	1,536	1.05%	1.68%	7.23%	8.41%	.24%	.33%
2034	1,062	1,536	1.03%	1.68%	7.17%	8.41%	.24%	.33%
2035	1,052	1,536	1.00%	1.68%	7.11%	8.41%	.24%	.33%

Credit Ratings

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

The County's current credit ratings are AA+ by Standard & Poor's, AA+ by Fitch and an Aa1 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. The 'Best' and 'Worst' case scenarios assume major changes in economic conditions for the twenty-year period and could require adjustments to the Capital Improvement Plan and the debt issuance plan. However, planning to issue debt on the 'Best' case scenario every year is not advisable because some bonding capacity should be kept in reserve in anticipation of sudden unexpected economic downturns.

Final Analysis

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

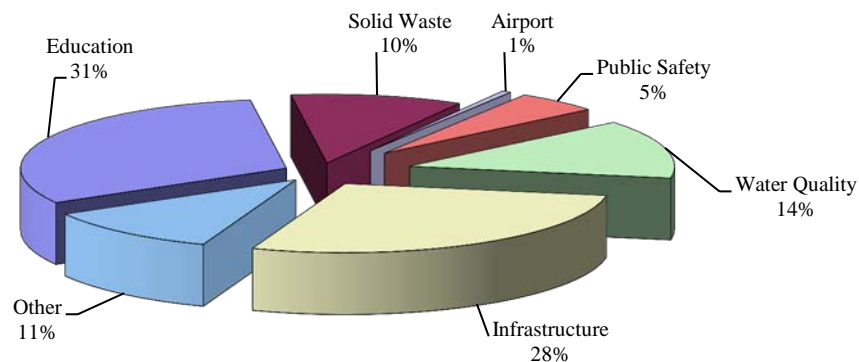
The estimated maximum debt capacity is not intended to be an absolute limit or a recommendation on the amount of debt that can be incurred. It should be used as a guide for better long-term financial planning and improving capital budgeting. Debt capacity estimates can assist long-term capital planning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

Outstanding Debt

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

The following graph illustrates the percentage of total debt outstanding at June 30, 2015 by project category:

Percentage of Debt Outstanding by Project Category



The table on the following page shows the current outstanding balance at June 30, 2015 and the estimated impact of debt service on the Operating Budget for FY 2016.

Current Debt Balance and FY 2016 Principal and Interest Costs

Description	FY 2015 Balance	FY 2016 Principal	FY 2016 Interest	Total Debt Service
General Fund:				
2006 Public Facilities Bonds	\$ 500,000	\$ 500,000	\$ 20,625	\$ 520,625
2007 Public Improvement Bonds	1,819,235	581,491	64,961	646,452
2008 Public Improvement Bonds	2,095,305	669,874	89,041	758,915
2009 Public Improvement & Refunding Bonds	9,823,723	914,542	345,792	1,260,334
2010 Ser A Public Improvement Bonds	3,167,831	0	231,339	231,339
2010 Ser B Build America Bonds	6,957,113	1,130,793	228,048	1,358,841
2010 Refunding Bonds	7,741,334	493,978	78,109	572,087
2011 Public Improvement Bonds	9,698,041	436,605	370,426	807,031
2012 Public Improvement Bonds	11,184,985	465,333	316,350	781,683
2012 Refunding Bonds	5,307,330	649,000	199,220	848,220
2013 Public Improvement Bonds	11,555,000	460,000	364,100	824,100
2013 Refunding Bonds	12,362,420	140,810	420,754	561,564
2014 Public Improvement Bonds	14,000,000	465,000	528,788	993,788
2015 Public Improvement Bonds	12,000,000	0	257,685	257,685
2015 Refunding Bonds	23,819,710	2,393,766	485,157	2,878,923
MD Water Quality Solid Waste Refinancing	1,622,167	33,357	16,222	49,579
MD Water Quality Resh Capping Ph 1	3,266,231	257,538	32,662	290,200
Total General Fund Existing Debt	\$ 136,920,425	\$ 9,592,087	\$ 4,049,279	\$ 13,641,366
2016 Planned Debt:	12,000,000			
2016 Public Improvement Bonds				
Total General Fund Debt	\$ 148,920,425	\$ 9,592,087	\$ 4,049,279	\$ 13,641,366
Highway:				
2008 Public Improvement Bonds	404,511	129,323	17,190	146,513
Total Highway Existing Debt	\$ 404,511	\$ 129,323	\$ 17,190	\$ 146,513
Solid Waste:				
2007 Public Improvement Bonds	370,765	118,509	13,239	131,748
2009 Public Improvement Bonds	1,882,475	286,115	65,023	351,138
2010 Ser A Public Improvement Bonds	1,253,948	0	91,572	91,572
2010 Ser B Build America Bonds	2,753,894	349,207	66,752	415,959
2010 Refunding Bonds	2,268,666	195,535	30,918	226,453
2011 Public Improvement Bonds	2,851,959	128,395	108,933	237,328
2012 Refunding Bonds	30,680	4,670	1,130	5,800
2013 Refunding Bonds	177,580	4,190	6,146	10,336
2015 Refunding Bonds	1,753,760	71,234	39,663	110,897
MD Water Quality 40 West Cell 3	1,355,886	133,916	14,915	148,831
MD Water Quality Solid Waste Refinancing	4,456,594	91,643	44,566	136,209
Total Solid Waste Existing Debt	\$ 19,156,207	\$ 1,383,414	\$ 482,857	\$ 1,866,271
2016 Planned Debt:	103,000			
2016 Public Improvement Bonds				
Total Solid Waste Debt	\$ 19,259,207	\$ 1,383,414	\$ 482,857	\$ 1,866,271

Current Debt Balance and FY 2016 Principal and Interest Costs

Description	FY2015 Balance	FY 2016 Principal	FY 2016 Interest	Total Debt Service
Airport				
2012 Refunding Bonds	996,990	251,330	36,450	287,780
Total Airport Existing Debt	\$ 996,990	\$ 251,330	\$ 36,450	\$ 287,780
Water Quality:				
1996 Series A Project & Refunding Bonds	3,207,488	722,611	1,527,391	2,250,002
2008 Public Improvement Bonds	190,184	60,802	8,082	68,884
2009 Public Improvement & Refunding Bonds	2,838,802	159,344	101,099	260,443
2010 Ser A Public Improvement Bonds	548,221	85,487	13,517	99,004
2010 Ser B Build America Bonds	1,203,993	0	40,035	40,035
2012 Public Improvement Bonds	5,280,015	219,667	149,337	369,004
2015 Public Improvement Bonds	3,460,000	0	74,299	74,299
2015 Refunding Bonds	821,530	0	19,684	19,684
MD Water Quality Series BNR	1,204,119	192,325	20,470	212,795
MD Water Quality Pretreat. Refinancing 2004	3,486,063	425,000	13,944	438,944
MD Water Quality Halfway I & I	349,275	27,540	3,493	31,033
MD Water Quality Winebrenner	2,553,000	0	20,000	20,000
Total Water Quality Existing Debt	\$ 25,142,690	\$ 1,892,776	\$ 1,991,351	\$ 3,884,127
2016 Planned Debt:	8,533,000			
2016 Public Improvement Bonds				
Total Water Quality Debt	\$ 33,675,690	\$ 1,892,776	\$ 1,991,351	\$ 3,884,127
Total Existing and 2016 Planned Debt	\$ 203,256,823	\$ 13,248,930	\$ 6,577,127	\$ 19,826,057

Bonded Limit Summary as of June 30, 2015

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, 2015 the unused authorization available for issuance of general obligation bonds was \$49,837,722.

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, 2015	
Assessed Value of Property in Washington County	\$ 12,352,005,000
Debt Limit: % of Assessed Value	10%
Water Quality Borrowing Limitation	1,235,200,500
Water Quality Debt	25,142,690
Debt Margin	1,210,057,810
Ratio of Water Quality Debt to Assessed Value	.20%

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

Description	<i>Fiscal Year</i>		
	2014 Actual	2015 Budget	2016 Budget

Revenue (By Major Type):

Fees	\$ 1,877,149	\$ 1,543,000	\$ 1,700,000
Grants	3,289,966	17,434,000	20,125,000
Other	488,294	1,806,000	1,520,000
Bonds	15,040,210	15,460,000	20,636,000
Subtotal	20,705,619	36,243,000	43,981,000
Transfers	4,844,300	2,561,000	2,689,000
Capital Reserves	0	7,926,000	4,840,000
Total Revenue	25,549,919	46,730,000	51,510,000

Expenditures (By Function):

Education	11,346,657	19,630,000	20,507,500
Public Safety	1,201,829	893,000	1,562,000
General Government	1,330,901	2,848,000	1,270,000
Parks and Recreation	422,394	346,000	255,000
Water Quality	3,424,803	3,747,000	10,568,500
Roads/Infrastructure	13,297,620	13,799,000	14,608,000
Solid Waste	978,245	939,000	103,000
Transit System	199,000	326,000	417,000
Airport	1,102,486	4,202,000	2,219,000
Golf Course	92,109	0	0
Total Expenditures	33,396,044	46,730,000	51,510,000

Net Difference	(7,846,125)	0	0
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Project Detail of Major Projects – Fiscal Year 2016

Project Name	Project Description	Project Budget	Operating Impact
Conococheague Wastewater Treatment Plant - ENR Upgrades	This project will plan, design, and construct upgrades required to meet Maryland Department of the Environment Enhanced Nutrient Removal strategy.	\$ 7,765,500	\$ -
Jonathan Hager Elementary School	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.	7,554,000	5,000
Pavement Maintenance and Rehabilitation Program	This project includes the modification of county-wide pavement maintenance program targeting rehabilitation of county highway pavement, as required. Techniques may include but not be limited to road reclamation, bituminous concrete overlay, crack sealing, and surface treatment. Individual projects will be determined on an annual basis consistent with the County's overall Pavement Management Program.	4,065,000	-
Capital Maintenance – Board of Education	Projects vary depending on the conditions, safety, security, and utility requirements. The Comprehensive Maintenance Plan outlines specific projects over the next five years. Projects include improved lighting, sidewalk replacements, paving repairs, flooring repairs, door replacement, large painting projects, locker replacement, interior renovations, and security system installations. Projects are targeted to reduce deferred maintenance.	3,500,000	-
Central Utility Plant Upgrade	This project will upgrade/expand the Central Utility Plant to provide sufficient heating and cooling capacity to support existing facilities and planned new facilities such as the expanded Student Center and Public Services Training Facility.	3,343,500	-
Learning Resource Center Renovation	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. In addition, some of the space will be dedicated to Middle College students (fulltime dual enrolled high school students) so that they have a home base and so that they can be more closely monitored due to their age.	3,010,000	-

Project Name	Project Description	Project Budget	Operating Impact
Student Center Expansion	The College/Student Center currently houses student service functions such as the campus store, food service, meeting space, student activities and student government. With the anticipated enrollment growth over the next several years, these spaces will need to be expanded to continue to provide basic services.	\$ 2,299,000	\$ 89,000
Southern Boulevard I	The project involves the construction of Southern Boulevard between East Oak Ridge Drive near South Pointe Drive to Frederick Street (US 40A). The project includes construction of a two or 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.	2,034,000	3,000
Taxiway C and Roadway Loop Rehabilitation	The project consists of a full-length rehabilitation of Taxiway C. Existing taxiway lighting will be replaced with energy efficient LED lighting. The project will also provide for the rehabilitation of the entrance and exit loop for the passenger terminal.	1,807,000	-
PO 1 Pump Station Expansion	This project is to upgrade the existing pump station.	1,530,000	-
Crayton Boulevard Extended	The project involves the construction of Crayton Boulevard between Maugans Avenue and Showalter Road. The project includes construction of a three lane closed section roadway (one lane in each direction with a continuous center left turn lane). The project length is approximately 1,600 LF.	1,071,000	1,000
Professional Boulevard Extended – Phase III	The project involves the construction of a segment of Professional Boulevard south from the second Yale Drive roundabout continuing southeast towards Phase IV and Robinwood Drive. The roadway length is approximately 900 feet. The project includes construction of a four lane closed section roadway.	1,000,000	1,000
Robinwood Corridor II	The project will widen Robinwood Drive to four lanes between Medical Campus Drive and Hagerstown Community College (approximately 5,800'). The new road section will consist of two 12 foot wide lanes in each direction with a raised grassed median and closed storm drain system. This proposed section will terminate at the intersection of HCC campus. To accommodate the proposed section at this intersection, a new traffic roundabout will be constructed.	867,000	4,000

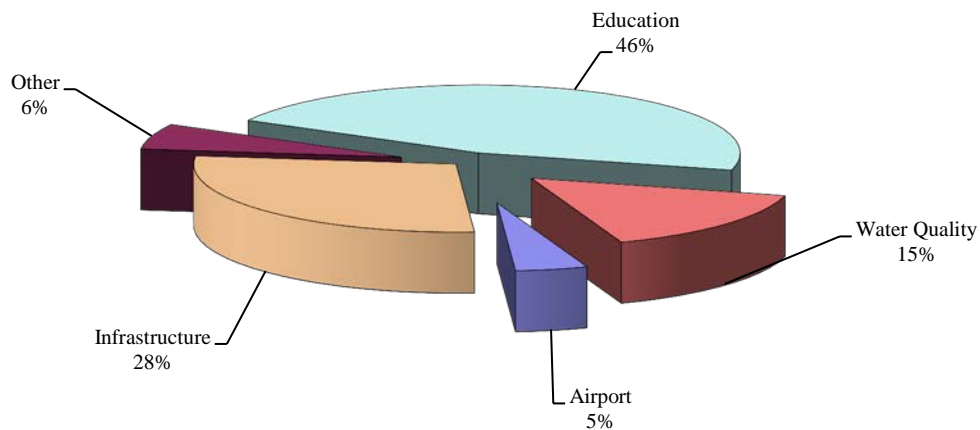
Project Name	Project Description	Project Budget	Operating Impact
Stormwater Retrofits	This project includes the construction of SWM systems based on Best Management Practices such as bio-swales, bio-filters, permeable pavements, ponds, wetlands, etc. along roadways, in parks, and on other county properties to satisfy the National Pollutant Discharge Elimination Systems (NPDES) requirements established by the MDE.	\$ 860,000	\$ -
Advanced Technology Center Renovation	The 2nd floor of HCC's Advanced Technology Center has been designated as the main location for a new program in Advanced Manufacturing. The curriculum for this program addresses the stated needs of local manufacturers such as Volvo Powertrain by preparing potential employees to configure, operate and troubleshoot advanced manufacturing equipment. Students can earn certificates in Industrial Technology and Basic Electronics, as well as an Associate's degree in Advanced Manufacturing. Two classrooms will be renovated to become an electronics lab and a robotics lab to provide space for students to become familiar with equipment from basic electronics circuits to custom-made, advanced manufacturing trainers. The 2 classroom spaces will support at least 6 courses in the Advanced Manufacturing program, as well as 2 to 3 courses in the Mechanical Engineering Technology program. Faculty offices will be adjacent to support the community of learners in these programs.	791,000	-
Keedysville Road Bridge W5651	This bridge is located in the 18900 block of Keedysville Road, one half mile west of Keedysville (ADC Map 31, E-7). The project will rehabilitate a stone arch structure. The structure is considered eligible for the National Register of Historic Places. Rehabilitation will include concrete fill, traffic barrier upgrades, scour repair, stone masonry reconstruction, and repointing.	763,000	-
Eastern Blvd Widening – Phase I	This project will widen Eastern Boulevard from MD Rt 64 (Jefferson Boulevard) to Security Road from the existing 2-lane roadway to a 4-lane divided roadway. This project includes drainage improvements and traffic signal modifications.	714,000	3,000
Detention Center Building Improvements	This project allows for major repairs and/or building improvements as needed for the Detention Center.	550,000	-
Law Enforcement – Fleet Replacement Program	This project is for the replacement of public safety fleet inventory.	510,000	-
Highway Equipment and Vehicle Replacement Program	This project will replace vehicles and heavy/specialized equipment for maintenance and construction activity.	510,000	-

Project Name	Project Description	Project Budget	Operating Impact
Pump Station Upgrades – Various Stations	The project includes electrical and equipment upgrades.	\$ 510,000	\$ -

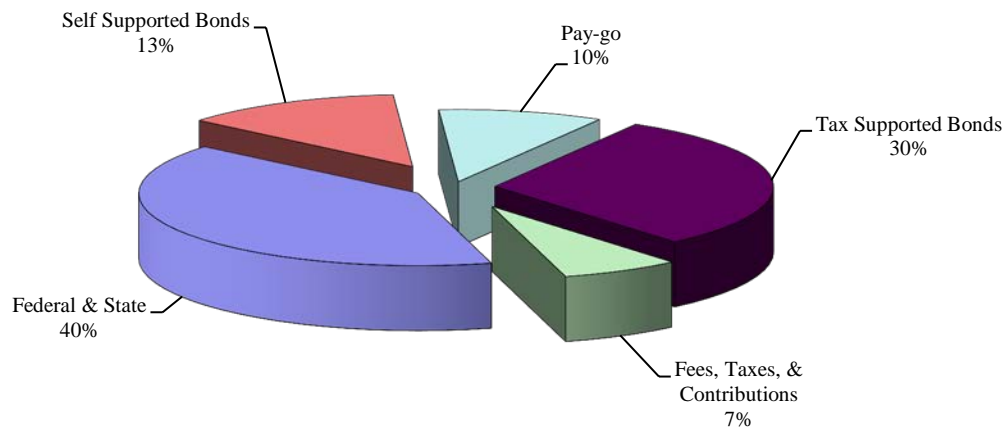
Ten Year Capital Improvement Plan Graphs

The following graphs illustrate the projects by category and the funding sources that are currently scheduled for FY 2016 thru FY 2025. The 'Other' category includes projects for: Parks & Recreation, Transit, General Government, and Public Safety. The 'Education' category includes projects for the Board of Education, the Hagerstown Community College and Public Libraries. The total for all projects represented in the chart is \$394,154,500.

Project Categories for FY2016 thru FY2025



Funding Sources for FY2016 thru FY2025



**Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025**

Project	Total	Prior Appr.	FY 2016	FY 2017	Ten Year Capital Program					FY 2021	FY 2022-2025
					FY 2018	FY 2019	FY 2020				
Project Costs											
Airport	19,269,710	1,785,710	2,219,000	2,167,000	1,313,000	1,432,000	631,000	1,443,000	8,279,000		
Bridges	19,288,202	3,953,202	2,444,000	3,438,000	1,574,000	1,244,000	1,324,000	1,267,000	4,044,000		
Drainage	12,499,094	2,136,094	870,000	1,034,000	2,214,000	1,489,000	1,298,000	1,393,000	2,065,000		
Education	207,774,300	25,929,800	20,507,500	7,762,000	14,939,000	17,395,000	13,125,000	13,216,000	94,900,000		
General Government	13,523,826	5,480,826	1,270,000	742,000	727,000	726,000	720,000	760,000	3,098,000		
Parks & Recreation	1,451,481	589,481	255,000	21,000	74,000	119,000	55,000	56,000	282,000		
Public Safety	8,126,983	889,983	1,562,000	825,000	636,000	540,000	660,000	560,000	2,454,000		
Railroad Crossings	1,865,137	605,137	0	0	0	289,000	0	300,000	671,000		
Road Improvement	125,284,685	41,750,685	11,294,000	11,058,000	10,108,000	8,460,000	9,346,000	8,420,000	24,848,000		
Solid Waste	10,303,900	992,900	103,000	1,066,000	27,000	3,186,000	28,000	700,000	4,201,000		
Transit	9,144,229	1,404,229	417,000	260,000	341,000	2,473,000	1,224,000	280,000	2,745,000		
Water Quality	78,054,313	26,913,313	10,568,500	11,722,500	1,594,000	1,677,000	6,436,000	6,639,000	12,504,000		
TOTAL	506,585,860	112,431,360	51,510,000	40,095,500	33,547,000	39,030,000	34,847,000	35,034,000	160,091,000		
Funding Sources											
General Fund	36,832,819	15,232,819	1,800,000	1,800,000	1,900,000	2,000,000	2,100,000	2,200,000	9,800,000		
Highway Fund	6,950,000	150,000	250,000	350,000	450,000	550,000	650,000	750,000	3,800,000		
Hotel Rental Fund	1,216,000	0	250,000	432,000	276,000	258,000	0	0	0		
Solid Waste Fund	653,900	429,900	0	26,000	27,000	27,000	28,000	28,000	88,000		
Utility Admin Fund	1,249,977	226,977	94,000	96,000	98,000	99,000	102,000	103,000	431,000		
Water Fund	425,256	113,256	102,000	104,000	106,000	0	0	0	0		
Sewer Fund	3,860,610	2,605,610	129,000	115,000	118,000	120,000	123,000	125,000	525,000		
Airport Fund	440,000	0	64,000	39,000	40,000	41,000	42,000	43,000	171,000		
Tax Supported Bond	142,881,226	22,881,226	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	48,000,000		
Self Supported Bond	58,622,170	8,316,170	8,636,000	7,956,000	1,272,000	4,617,000	5,081,000	7,083,000	15,661,000		
Transfer Tax	17,021,618	1,521,618	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	1,600,000	7,400,000		
Excise Tax - Schools	4,334,400	484,400	385,000	385,000	385,000	385,000	385,000	385,000	1,540,000		
Excise Tax - Roads	2,337,270	1,077,270	126,000	126,000	126,000	126,000	126,000	126,000	504,000		
Excise Tax - Other	329,000	15,000	29,000	29,000	29,000	29,000	29,000	33,000	136,000		
Excise Tax - Library	89,900	13,900	10,000	10,000	10,000	10,000	10,000	6,000	20,000		
Excise Tax - Non-Residential	1,747,905	1,247,905	50,000	50,000	50,000	50,000	50,000	50,000	200,000		
Capital Reserve - General	20,863,213	16,023,213	4,840,000	0	0	0	0	0	0		
Capital Reserve - Solid Waste	100,000	100,000	0	0	0	0	0	0	0		
Capital Reserve - Sewer	41,000	41,000	0	0	0	0	0	0	0		
Federal Grant	35,117,177	7,065,177	4,844,000	3,855,000	2,630,000	4,148,000	1,494,000	1,505,000	9,576,000		
State Grant	163,875,419	32,929,919	15,281,000	8,651,500	12,180,000	13,170,000	11,127,000	8,973,000	61,563,000		
Contributions	7,597,000	1,956,000	1,520,000	2,871,000	550,000	0	0	24,000	676,000		
TOTAL	506,585,860	112,431,360	51,510,000	40,095,500	33,547,000	39,030,000	34,847,000	35,034,000	160,091,000		

Project Detail of Major Projects – Fiscal Years 2016-2025

Project Name	Project Description	Ten Year Project Budget
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.	\$ 44,001,000
Pavement Maintenance and Rehabilitation Program	This project includes the modification of county-wide pavement maintenance program targeting rehabilitation of county highway pavement, as required. Techniques may include but not be limited to road reclamation, bituminous concrete overlay, crack sealing, and surface treatment. Individual projects will be determined on an annual basis consistent with the County's overall Pavement Management Program.	40,065,000
Western Heights Middle School Modernization	The project includes renovation of 113,970 square feet built in 1983 and an addition of 21,345 square feet for an expanded community gym, music, science, art and support programs.	28,557,000
E. Russell Hicks Middle School	The project will provide a partial renovation (103,131 square feet) and an addition of 12,914 square feet.	26,578,000
Sharpsburg Elementary Replacement	Construction of 63,818 SF replacement building to support 471 students.	20,339,000
Conococheague Wastewater Treatment Plant – ENR Upgrades – Began in FY 2006	This project will plan, design, and construct upgrades required to meet Maryland Department of the Environment (MDE) Enhanced Nutrient Removal (ENR) strategy.	15,684,000
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.	14,239,000

Project Name	Project Description	Ten Year Project Budget
Smithsburg Wastewater Treatment Plant – Facility Improvements Began in FY 2010	The project will upgrade the facility to address Maryland Department of the Environment (MDE) strategy for Enhanced Nutrient Removal (ENR) and expand capacity to address growth needs of the area.	\$ 11,195,000
Jonathan Hager Elementary School – Began in FY 2013	A new 56,818 SF facility to house a 3-round, Pre-K through 5th Grade elementary school with a capacity of 471 students, with a core space sized for a 5-round school to accommodate future expansion. Provisions have been made within this budget request for an expanded gymnasium for community use in partnership with the Buildings, Grounds and Parks Department. This project will allow the closing and consolidation of two aging, inadequate elementary school facilities: Winter Street and Conococheague Elementary.	10,096,000

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2016 - 2025

Project	Total	Prior Appr.	Budget Year	Ten Year Capital Program						Future
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		
Project Costs										
<u>Airport</u>										
Capital Equipment - Airport	4,276,710	416,710	332,000	364,000	371,000	378,000	385,000	392,000	1,638,000	
Fuel Farm Relocation	1,882,000	0	0	0	869,000	1,013,000	0	0	0	
Land Acquisition - Airport	4,386,000	816,000	0	0	0	0	0	0	3,570,000	
T-Hangar 1, 2 and 3 Replacement	327,000	0	31,000	31,000	32,000	32,000	33,000	34,000	134,000	
Taxiway C and Roadway Loop Rehab	1,987,000	180,000	1,807,000	0	0	0	0	0	0	
Taxiway T Construction	949,000	0	0	0	0	0	165,000	784,000	0	
Runway 9/27 Rehabilitation	2,524,000	0	0	0	0	0	0	224,000	2,300,000	
Taxiway F and H Rehabilitation	600,000	0	0	0	0	0	0	0	600,000	
Air Traffic Control Tower Replacement	259,000	171,000	16,000	0	33,000	0	39,000	0	0	
Passenger Terminal Hold Room Expansion	1,966,000	202,000	0	1,764,000	0	0	0	0	0	
T-Hangar Roof Replacement	113,000	0	33,000	8,000	8,000	9,000	9,000	9,000	37,000	
Airport Total	19,269,710	1,785,710	2,219,000	2,167,000	1,313,000	1,432,000	631,000	1,443,000	8,279,000	
<u>Bridges</u>										
Hopewell Road Culvert 02/01	292,100	5,100	287,000	0	0	0	0	0	0	
Bridge Inspection & Inventory	703,525	164,525	153,000	0	21,000	0	165,000	0	200,000	
Dogstreet Road Bridge W5932P	1,038,400	166,400	0	872,000	0	0	0	0	0	
Spur Road Culvert 07/16	287,000	46,000	241,000	0	0	0	0	0	0	
Old Roxbury Road Bridge W5372	4,133,077	900,077	26,000	1,040,000	1,060,000	1,107,000	0	0	0	
Poffenberger Road Bridge W4011	736,900	685,900	51,000	0	0	0	0	0	0	
Poffenberger Road Bridge W4012	1,407,000	1,305,000	102,000	0	0	0	0	0	0	
Hopewell Road Culvert 02/02	228,100	10,100	218,000	0	0	0	0	0	0	
Keedysville Road Bridge W5651	1,672,600	257,600	763,000	652,000	0	0	0	0	0	
Crystal Falls Drive Bridge W3051	1,356,500	405,500	0	458,000	493,000	0	0	0	0	
Wright Road Culvert 02/06	181,000	2,000	179,000	0	0	0	0	0	0	
Rinehart Road Culvert 14/03	346,000	0	0	0	0	33,000	313,000	0	0	
Kretsinger Road Culvert 14/01	329,000	0	0	0	0	33,000	296,000	0	0	
Frog Eye Road Culvert 11/06	634,000	0	0	0	0	0	0	0	634,000	
Cleaning and Painting of Steel Bridges	416,000	0	0	416,000	0	0	0	0	0	
Wright Road Culvert 02/05	225,000	5,000	220,000	0	0	0	0	0	0	
Keefer Road Bridge 15/20	198,000	0	0	0	0	38,000	160,000	0	0	
Burnside Bridge Road Culvert 01/03	324,000	0	0	0	0	33,000	291,000	0	0	
Greenspring Furnace Road Culvert 15/15	412,000	0	0	0	0	0	33,000	379,000	0	
Harpers Ferry Road Culvert 11/02	549,000	0	0	0	0	0	33,000	516,000	0	
Back Road Culvert 11/03	306,000	0	0	0	0	0	33,000	273,000	0	
Long Hollow Road Culvert 05/07	311,000	0	0	0	0	0	0	33,000	278,000	
Hoffman's Inn Road Culvert 05/06	311,000	0	0	0	0	0	0	33,000	278,000	
Henline Road Culvert 05/05	456,000	0	0	0	0	0	0	33,000	423,000	
Bridge Scour Repairs	436,000	0	204,000	0	0	0	0	0	232,000	
Bowie Road Culvert	300,000	0	0	0	0	0	0	0	300,000	
Remsburg Road Culvert	306,000	0	0	0	0	0	0	0	306,000	
Lanes Road Culvert 15/12	300,000	0	0	0	0	0	0	0	300,000	
Greenbrier Road Culvert 16/14	329,000	0	0	0	0	0	0	0	329,000	
Taylors Landing Road Bridge W7101	36,000	0	0	0	0	0	0	0	36,000	
Mooresville Road Culvert 15/21	361,000	0	0	0	0	0	0	0	361,000	
Welty Church Road Culvert 14/06	36,000	0	0	0	0	0	0	0	36,000	
Willow Road Culvert 05/10	331,000	0	0	0	0	0	0	0	331,000	
Bridges Total	19,288,202	3,953,202	2,444,000	3,438,000	1,574,000	1,244,000	1,324,000	1,267,000	4,044,000	

**Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2016 - 2025**

Project	Total	Prior Appr.	Budget Year		Ten Year Capital Program					Future
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		
<u>Drainage</u>										
Stream Restoration at Various Locations	2,315,194	881,194	0	0	424,000	0	44,000	448,000	518,000	
Stormwater Retrofits	8,218,900	1,254,900	860,000	878,000	894,000	912,000	928,000	945,000	1,547,000	
Shank Road Drainage	159,000	0	0	0	0	159,000	0	0	0	
Hoffmaster and Harpers Ferry Road Drainage	896,000	0	0	0	896,000	0	0	0	0	
Harpers Ferry Road Drainage, 3600 Block	391,000	0	0	0	0	65,000	326,000	0	0	
Brookfield Avenue Drainage	113,000	0	0	0	0	113,000	0	0	0	
Broadfording Church Road Culvert	240,000	0	0	0	0	240,000	0	0	0	
Pondsville Road Drainage	166,000	0	10,000	156,000	0	0	0	0	0	
Drainage Total	12,499,094	2,136,094	870,000	1,034,000	2,214,000	1,489,000	1,298,000	1,393,000	2,065,000	
<u>Board of Education</u>										
Relocatable Classrooms	1,160,000	0	0	0	0	0	0	224,000	936,000	
Capital Maintenance - BOE	53,885,000	9,884,000	3,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	18,001,000	
E. Russell Hicks Middle School (Reno/Addition)	26,578,000	0	0	0	0	0	0	0	26,578,000	
Jonathan Hager Elementary School	19,874,000	9,778,000	7,554,000	2,542,000	0	0	0	0	0	
Sharpsburg Elementary School- Replacement	20,339,000	0	0	0	1,315,000	8,470,000	8,437,000	2,117,000	0	
Western Heights Middle School Modernization	28,557,000	0	0	0	0	0	0	2,249,000	26,308,000	
Concepts for High School Capacity	5,767,000	0	0	0	0	0	0	616,000	5,151,000	
Concepts for Elementary Capacity	3,866,000	0	0	0	0	0	0	0	3,866,000	
Board of Education Total	160,026,000	19,662,000	11,054,000	7,042,000	5,815,000	12,970,000	12,937,000	9,706,000	80,840,000	
<u>Hagerstown Community College</u>										
Campus Operations Building	6,548,000	0	0	0	0	0	0	1,183,000	5,365,000	
Student Center Expansion	8,241,800	5,942,800	2,299,000	0	0	0	0	0	0	
Learning Resource Center Renovation	3,010,000	0	3,010,000	0	0	0	0	0	0	
Police, Fire and Emerg Svcs Training Facility	14,239,000	0	0	710,000	9,114,000	4,415,000	0	0	0	
Central Utility Plant Upgrade	3,411,500	68,000	3,343,500	0	0	0	0	0	0	
Teacher Education Center	2,765,000	0	0	0	0	0	0	0	2,765,000	
Advanced Technology Center Renovation	791,000	0	791,000	0	0	0	0	0	0	
ARCC Air Conditioning	2,415,000	0	0	0	0	0	178,000	2,237,000	0	
Campus Road & Parking lot overlays	2,443,000	0	0	0	0	0	0	0	2,443,000	
Hagerstown Community College Total	43,864,300	6,010,800	9,443,500	710,000	9,114,000	4,415,000	178,000	3,420,000	10,573,000	
<u>Public Libraries</u>										
Hancock Public Library Replacement	3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000	
Public Libraries Total	3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000	
<u>General Government</u>										
Bond Issuance Costs	1,112,499	103,499	97,000	98,000	99,000	99,000	100,000	102,000	414,000	
Financial System Management & Upgrades	927,333	559,333	102,000	31,000	32,000	32,000	33,000	34,000	104,000	
General - Equipment and Vehicle Replacement Program	2,245,489	244,489	200,000	200,000	200,000	200,000	200,000	200,000	801,000	
Systemic Improvements-Buildings	2,366,000	365,000	200,000	200,000	200,000	200,000	200,000	200,000	801,000	
County Admin Bldg Renovations	4,422,100	3,940,100	482,000	0	0	0	0	0	0	
Information Systems Replacement Program	2,111,885	156,885	153,000	156,000	159,000	173,000	187,000	202,000	925,000	
Broadband Wireless Network Infrastructure	180,520	71,520	36,000	36,000	37,000	0	0	0	0	
Tree Forestation	158,000	40,000	0	21,000	0	22,000	0	22,000	53,000	
General Government Total	13,523,826	5,480,826	1,270,000	742,000	727,000	726,000	720,000	760,000	3,098,000	
<u>Parks & Recreation</u>										
BR Capital Equipment Replacement Program	830,481	327,481	51,000	0	53,000	54,000	55,000	56,000	234,000	
North Central County Park	48,000	0	0	0	0	0	0	0	48,000	
Regional Park Equip. Replacement	61,000	0	61,000	0	0	0	0	0	0	

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2016 - 2025

Project	Total	Prior Appr.	Budget Year		Ten Year Capital Program					Future
			FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		
Chestnut Grove Park, Overlay Parking lot	43,000	0	0	0	0	43,000	0	0	0	
Park Land Acquisition	304,000	202,000	102,000	0	0	0	0	0	0	
Tennis Courts, Resurfacing	165,000	60,000	41,000	21,000	21,000	22,000	0	0	0	
Parks & Recreation Total	1,451,481	589,481	255,000	21,000	74,000	119,000	55,000	56,000	282,000	
<u>Public Safety</u>										
Communication Tower(s) various locations	534,000	0	204,000	0	106,000	0	110,000	0	114,000	
Detention Center Building Improvements	550,000	0	550,000	0	0	0	0	0	0	
Emergency Svcs Equip & Vehicle Program	1,084,983	481,983	298,000	305,000	0	0	0	0	0	
Law Enforcement - Fleet Replacement Program	5,958,000	408,000	510,000	520,000	530,000	540,000	550,000	560,000	2,340,000	
Public Safety Total	8,126,983	889,983	1,562,000	825,000	636,000	540,000	660,000	560,000	2,454,000	
<u>Railroad Crossings</u>										
Railroad Crossing Improvements	1,865,137	605,137	0	0	0	289,000	0	300,000	671,000	
Railroad Crossings Total	1,865,137	605,137	0	0	0	289,000	0	300,000	671,000	
<u>Road Improvement</u>										
Pavement Maintenance and Rehab Program	49,129,359	9,064,359	4,065,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	16,000,000	
Robinwood Corridor II	11,923,300	11,056,300	867,000	0	0	0	0	0	0	
Eastern Boulevard Extended	2,874,000	0	0	0	0	0	0	0	2,874,000	
Southern Boulevard I	9,397,100	6,941,100	2,034,000	422,000	0	0	0	0	0	
E. Oak Ridge Drive/South Pointe Signal	345,000	0	0	0	0	0	116,000	0	229,000	
Eastern Boulevard Widening Phase I	8,967,100	8,253,100	714,000	0	0	0	0	0	0	
Eastern Boulevard Widening Phase II	7,339,300	836,300	0	1,010,000	1,890,000	1,496,000	2,107,000	0	0	
Transportation ADA	1,587,206	806,206	0	86,000	86,000	86,000	86,000	85,000	352,000	
Eastern Blvd. at Antietam Dr Improvements	2,283,000	502,000	367,000	1,414,000	0	0	0	0	0	
Professional Boulevard Extended - Phase II	7,003,500	1,434,500	0	0	0	0	2,232,000	2,312,000	1,025,000	
Professional Boulevard Extended - Ph I/Bridge over Antietam Creek	8,771,000	1,522,000	0	1,691,000	3,258,000	2,300,000	0	0	0	
Valley Mall Area Road Improvements Phase II	1,060,000	220,000	0	0	0	0	0	840,000	0	
Battery Backup Op and Enhancements	274,000	60,000	214,000	0	0	0	0	0	0	
Medical Campus Road Signal	432,000	0	0	432,000	0	0	0	0	0	
Colonel Henry K. Douglas Drive Extended Phase I	1,002,000	0	0	0	0	0	0	0	1,002,000	
Professional Boulevard Extended - Phase III	1,572,000	0	1,000,000	572,000	0	0	0	0	0	
Professional Boulevard Extended - Phase IV	1,862,000	0	0	0	0	0	220,000	616,000	1,026,000	
Crayton Boulevard Extended	2,269,000	0	1,071,000	1,092,000	106,000	0	0	0	0	
Poffenberger Road at MD Route 65 Traffic Signal	250,000	0	250,000	0	0	0	0	0	0	
HWY Equip and Vehicle Replacement Program	5,688,820	1,003,820	510,000	150,000	530,000	378,000	385,000	392,000	2,340,000	
Highway Maintenance Shop - Western Section	380,000	51,000	102,000	89,000	138,000	0	0	0	0	
HWY Western Section - Fuel Tank Replacement	875,000	0	100,000	100,000	100,000	200,000	200,000	175,000	0	
Road Improvement Total	125,284,685	41,750,685	11,294,000	11,058,000	10,108,000	8,460,000	9,346,000	8,420,000	24,848,000	
<u>Solid Waste</u>										
Contingency - Solid Waste	295,500	11,500	0	26,000	27,000	27,000	28,000	28,000	148,000	
Close Out Cap - Rubble Fill	2,108,400	81,400	0	0	0	0	0	0	2,027,000	
Resh Road Gas Trench	1,840,000	800,000	0	1,040,000	0	0	0	0	0	
40 West Truck Loading Facility Rehab.& Upgrades	208,000	100,000	0	0	0	108,000	0	0	0	
40 West Pavement Rehab and Bridge Repair	672,000	0	0	0	0	0	0	672,000	0	
Seal Coating Closed Facilities	826,000	0	0	0	0	0	0	0	826,000	
40 West Partial Capping	3,051,000	0	0	0	0	3,051,000	0	0	0	
City County Upgrades	1,200,000	0	0	0	0	0	0	0	1,200,000	
NPDES Compliance Upgrades	77,000	0	77,000	0	0	0	0	0	0	
City/County Landfill Gas Study	26,000	0	26,000	0	0	0	0	0	0	
Solid Waste Total	10,303,900	992,900	103,000	1,066,000	27,000	3,186,000	28,000	700,000	4,201,000	

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2016 - 2025

Project	Budget Year				Ten Year Capital Program				
	Total	Prior Appr.	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
<u>Transit</u>									
Fixed Route Bus Replacement Program	4,923,600	924,600	0	0	0	2,114,000	842,000	0	1,043,000
ADA Bus Replacement	1,012,000	136,000	72,000	0	76,000	89,000	107,000	0	532,000
Vehicle Maintenance Program	3,118,629	343,629	255,000	260,000	265,000	270,000	275,000	280,000	1,170,000
Heavy Duty Vehicle Lifting System	47,000	0	47,000	0	0	0	0	0	0
RouteMatch Notification Module	27,000	0	27,000	0	0	0	0	0	0
Fuel Monitoring System	16,000	0	16,000	0	0	0	0	0	0
Transit Total	9,144,229	1,404,229	417,000	260,000	341,000	2,473,000	1,224,000	280,000	2,745,000
<u>Water Quality</u>									
Utility Administration									
General Building Improvements	1,257,000	101,000	0	0	0	540,000	616,000	0	0
Laboratory Rehab of Ventilation System	265,000	0	0	0	265,000	0	0	0	0
WQ Equip/Vehicle Replacement Program	1,148,977	125,977	94,000	96,000	98,000	99,000	102,000	103,000	431,000
Utility Administration Total	2,670,977	226,977	94,000	96,000	363,000	639,000	718,000	103,000	431,000
Wastewater Utility									
Smithsburg WwTP - ENR Upgrades	16,448,970	5,253,970	0	0	0	0	5,595,000	5,600,000	0
Pump Station Upgrades - Various Stations	1,777,700	747,700	510,000	520,000	0	0	0	0	0
Conococheague WwTP - ENR Upgrades	34,982,410	19,298,410	7,765,500	7,918,500	0	0	0	0	0
Replace PO 2 Pump Station	1,324,000	0	0	1,324,000	0	0	0	0	0
Potomac Edison Pump Station & Force Main	1,515,000	0	0	1,515,000	0	0	0	0	0
Antietam WwTP - ENR Upgrades	2,298,000	1,108,000	0	0	0	0	0	0	1,190,000
New Roof at Conococheague WwTP	258,000	0	128,000	130,000	0	0	0	0	0
General WwTP Improvements	3,401,000	0	0	0	0	0	0	0	3,401,000
Collection System Rehabilitation Project	3,574,000	0	204,000	0	795,000	810,000	0	0	1,765,000
Sandy Hook WwTP	798,000	0	0	0	0	0	0	0	798,000
Heavy Sewer EQP and VEH Replacement	693,000	124,000	103,000	89,000	91,000	38,000	39,000	40,000	169,000
Replace Grinder Pumps	727,000	41,000	26,000	26,000	27,000	82,000	84,000	85,000	356,000
PO 1 Pump Station Expansion	1,530,000	0	1,530,000	0	0	0	0	0	0
Wastewater Utility Total	69,327,080	26,573,080	10,266,500	11,522,500	913,000	930,000	5,718,000	5,725,000	7,679,000
Water Utility									
WQ Water Main and Meter Replacement	1,466,105	102,105	102,000	104,000	106,000	0	0	0	1,052,000
Sandy Hook Water Treatment Plant EQP	108,000	0	0	0	0	108,000	0	0	0
General WTP Improvements	968,151	11,151	106,000	0	0	0	0	251,000	600,000
Sharpsburg Water Treatment Plant	212,000	0	0	0	212,000	0	0	0	0
Mt Aetna Water System Improvements	560,000	0	0	0	0	0	0	560,000	0
Highfield/Sharpsburg Water Storage Tank	342,000	0	0	0	0	0	0	0	342,000
Sharpsburg Transite Pipe Replacement	2,400,000	0	0	0	0	0	0	0	2,400,000
Water Utility Total	6,056,256	113,256	208,000	104,000	318,000	108,000	0	811,000	4,394,000
Water Quality Total	78,054,313	26,913,313	10,568,500	11,722,500	1,594,000	1,677,000	6,436,000	6,639,000	12,504,000
TOTAL	506,585,860	112,431,360	51,510,000	40,095,500	33,547,000	39,030,000	34,847,000	35,034,000	160,091,000

Washington County, Maryland
Capital Improvement 10yr Detail
Fiscal Year 2016 - 2025

Funding Sources	Budget Year				Ten Year Capital Program				
	Total	Prior Appr.	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
General Fund	36,832,819	15,232,819	1,800,000	1,800,000	1,900,000	2,000,000	2,100,000	2,200,000	9,800,000
Highway Fund	6,950,000	150,000	250,000	350,000	450,000	550,000	650,000	750,000	3,800,000
Hotel Rental Fund	1,216,000	0	250,000	432,000	276,000	258,000	0	0	0
Solid Waste Fund	653,900	429,900	0	26,000	27,000	27,000	28,000	28,000	88,000
Utility Admin Fund	1,249,977	226,977	94,000	96,000	98,000	99,000	102,000	103,000	431,000
Water Fund	425,256	113,256	102,000	104,000	106,000	0	0	0	0
Sewer Fund	3,860,610	2,605,610	129,000	115,000	118,000	120,000	123,000	125,000	525,000
Airport Fund	440,000	0	64,000	39,000	40,000	41,000	42,000	43,000	171,000
Tax Supported Bond	142,881,226	22,881,226	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	48,000,000
Self Supported Bond	58,622,170	8,316,170	8,636,000	7,956,000	1,272,000	4,617,000	5,081,000	7,083,000	15,661,000
Transfer Tax	17,021,618	1,521,618	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	1,600,000	7,400,000
Excise Tax - Schools	4,334,400	484,400	385,000	385,000	385,000	385,000	385,000	385,000	1,540,000
Excise Tax - Roads	2,337,270	1,077,270	126,000	126,000	126,000	126,000	126,000	126,000	504,000
Excise Tax - Other	329,000	15,000	29,000	29,000	29,000	29,000	29,000	33,000	136,000
Excise Tax - Library	89,900	13,900	10,000	10,000	10,000	10,000	10,000	6,000	20,000
Excise Tax - Non-Residential	1,747,905	1,247,905	50,000	50,000	50,000	50,000	50,000	50,000	200,000
Capital Reserve - General	20,863,213	16,023,213	4,840,000	0	0	0	0	0	0
Capital Reserve - Solid Waste	100,000	100,000	0	0	0	0	0	0	0
Capital Reserve - Sewer	41,000	41,000	0	0	0	0	0	0	0
Federal Grant	35,117,177	7,065,177	4,844,000	3,855,000	2,630,000	4,148,000	1,494,000	1,505,000	9,576,000
State Grant	163,875,419	32,929,919	15,281,000	8,651,500	12,180,000	13,170,000	11,127,000	8,973,000	61,563,000
Contributions	7,597,000	1,956,000	1,520,000	2,871,000	550,000	0	0	24,000	676,000
TOTAL	506,585,860	112,431,360	51,510,000	40,095,500	33,547,000	39,030,000	34,847,000	35,034,000	160,091,000

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Airport										
44	Capital Equipment - Airport	4,276,710	416,710	332,000	364,000	371,000	378,000	385,000	392,000	1,638,000
45	Fuel Farm Relocation	1,882,000	0	0	0	869,000	1,013,000	0	0	0
46	Land Acquisition - Airport	4,386,000	816,000	0	0	0	0	0	0	3,570,000
47	T-Hangar 1, 2 and 3 Replacement	327,000	0	31,000	31,000	32,000	32,000	33,000	34,000	134,000
48	Taxiway C and Roadway Loop Rehab	1,987,000	180,000	1,807,000	0	0	0	0	0	0
49	Taxiway T Construction	949,000	0	0	0	0	0	165,000	784,000	0
50	Runway 9/27 Rehabilitation	2,524,000	0	0	0	0	0	0	224,000	2,300,000
51	Taxiway F and H Rehabilitation	600,000	0	0	0	0	0	0	0	600,000
52	Air Traffic Control Tower Replacement	259,000	171,000	16,000	0	33,000	0	39,000	0	0
53	Passenger Terminal Hold Room Expansion	1,966,000	202,000	0	1,764,000	0	0	0	0	0
54	T-Hangar Roof Replacement	113,000	0	33,000	8,000	8,000	9,000	9,000	9,000	37,000
Airport Total		19,269,710	1,785,710	2,219,000	2,167,000	1,313,000	1,432,000	631,000	1,443,000	8,279,000
Funding Sources										
	General Fund	512,710	137,710	0	18,000	18,000	19,000	19,000	19,000	282,000
	Airport Fund	440,000	0	64,000	39,000	40,000	41,000	42,000	43,000	171,000
	Tax Supported Bond	373,000	0	0	73,000	69,000	42,000	46,000	42,000	101,000
	Capital Reserve - General	283,000	171,000	112,000	0	0	0	0	0	
	Federal Grant	16,795,000	1,399,000	1,934,000	1,946,000	1,131,000	1,269,000	498,000	1,277,000	7,341,000
	State Grant	866,000	78,000	109,000	91,000	55,000	61,000	26,000	62,000	384,000
		19,269,710	1,785,710	2,219,000	2,167,000	1,313,000	1,432,000	631,000	1,443,000	8,279,000

Project Title: Capital Equipment - Airport**Project Number: 139****Account Number: EQP031****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

FY2016 Projects:

Replace Aircraft De-Ice Vehicle (FAA)

Replace Airfield Riding Mower (MAA)

Assumptions & Justifications:

Anticipating FAA grant funding as follows:

90% Federal funding

5% State funding

5% Local funding

Anticipated Maryland Aviation Administration (MAA) grant funding:

75% MAA funding

25% Local funding

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	4,276,710	416,710	332,000	364,000	371,000	378,000	385,000	392,000	1,638,000
Total Cost	4,276,710	416,710	332,000	364,000	371,000	378,000	385,000	392,000	1,638,000

Funding Sources:

General Fund	251,710	77,710	0	18,000	18,000	19,000	19,000	19,000	81,000
Airport Fund	0	0	0	0	0	0	0	0	0
Capital Reserve - General	22,000	0	22,000	0	0	0	0	0	0
Federal Grant	3,773,000	321,000	275,000	328,000	334,000	340,000	347,000	353,000	1,475,000
State Grant	230,000	18,000	35,000	18,000	19,000	19,000	19,000	20,000	82,000
Total Funding	4,276,710	416,710	332,000	364,000	371,000	378,000	385,000	392,000	1,638,000

Project Title: Fuel Farm Relocation**Project Number: 141****Account Number: LDI033****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project will relocate the fuel farm.

Assumptions & Justifications:

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

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

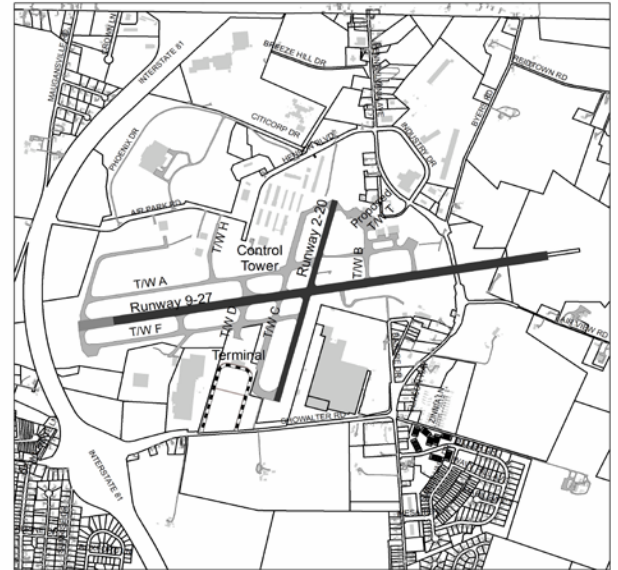
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	0	0	0	0	0	0	0	0	0
Construction	1,882,000	0	0	0	869,000	1,013,000	0	0	0
Equipment/Furniture	0	0	0	0	0	0	0	0	0
Total Cost	1,882,000	0	0	0	869,000	1,013,000	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Airport Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	78,000	0	0	0	36,000	42,000	0	0	0
Federal Grant	1,726,000	0	0	0	797,000	929,000	0	0	0
State Grant	78,000	0	0	0	36,000	42,000	0	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
Total Funding	1,882,000	0	0	0	869,000	1,013,000	0	0	0

Project Title: Land Acquisition - Airport**Project Number:** 930**Account Number:** LAN018**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This project is for land acquisition to promote future economic development of the Airport.

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	4,386,000	816,000	0	0	0	0	0	0	3,570,000
Total Cost	4,386,000	816,000	0	0	0	0	0	0	3,570,000

Funding Sources:

General Fund	212,000	41,000	0	0	0	0	0	0	171,000
Tax Supported Bond	4,000	0	0	0	0	0	0	0	4,000
Federal Grant	3,954,000	734,000	0	0	0	0	0	0	3,220,000
State Grant	216,000	41,000	0	0	0	0	0	0	175,000
Total Funding	4,386,000	816,000	0	0	0	0	0	0	3,570,000

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

Project Number: 1154

Account Number: BLD087

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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

Assumptions & Justifications:

The project assumes a pre-engineered metal building.

Grant funding available if no other Airport priorities exist or submitted.

FAA 90%

State 5%

Local 5%

The Local share (Airport) will be contributed each year to build up funds until the total local share requirement is achieved.

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	85,000	0	0	0	0	0	0	34,000	51,000
Construction	242,000	0	31,000	31,000	32,000	32,000	33,000	0	83,000
Total Cost	327,000	0	31,000	31,000	32,000	32,000	33,000	34,000	134,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Airport Fund	327,000	0	31,000	31,000	32,000	32,000	33,000	34,000	134,000
Federal Grant	0	0	0	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	327,000	0	31,000	31,000	32,000	32,000	33,000	34,000	134,000

Project Title: Taxiway C and Roadway Loop Rehab

Project Number: 1188

Account Number: RUN017

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	180,000	180,000	0	0	0	0	0	0	0
Construction	1,807,000	0	1,807,000	0	0	0	0	0	0
Total Cost	1,987,000	180,000	1,807,000	0	0	0	0	0	0

Funding Sources:

General Fund	9,000	9,000	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	74,000	0	74,000	0	0	0	0	0	0
Federal Grant	1,821,000	162,000	1,659,000	0	0	0	0	0	0
State Grant	83,000	9,000	74,000	0	0	0	0	0	0
Total Funding	1,987,000	180,000	1,807,000	0	0	0	0	0	0

Project Title: Taxiway T Construction**Project Number:** 1189**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

90% Federal Aviation Administration funding anticipated

5% Maryland Aviation Administration funding anticipated

5% Local funding

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	165,000	0	0	0	0	0	165,000	0	0
Construction	784,000	0	0	0	0	0	0	784,000	0
Total Cost	949,000	0	0	0	0	0	165,000	784,000	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	40,000	0	0	0	0	0	7,000	33,000	0
Federal Grant	869,000	0	0	0	0	0	151,000	718,000	0
State Grant	40,000	0	0	0	0	0	7,000	33,000	0
Total Funding	949,000	0	0	0	0	0	165,000	784,000	0

Project Title: Runway 9/27 Rehabilitation**Project Number:** 1190**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	224,000	0	0	0	0	0	0	224,000	0
Construction	2,300,000	0	0	0	0	0	0	0	2,300,000
Total Cost	2,524,000	0	0	0	0	0	0	224,000	2,300,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	106,000	0	0	0	0	0	0	9,000	97,000
Federal Grant	2,312,000	0	0	0	0	0	0	206,000	2,106,000
State Grant	106,000	0	0	0	0	0	0	9,000	97,000
Total Funding	2,524,000	0	0	0	0	0	0	224,000	2,300,000

Project Title: Taxiway F and H Rehabilitation

Project Number: 1191

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Taxiway F and H will be in need of total rehabilitation.

Assumptions & Justifications:

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

The project will involve sub-surface repairs, milling, overlay, painting and new LED lighting installation.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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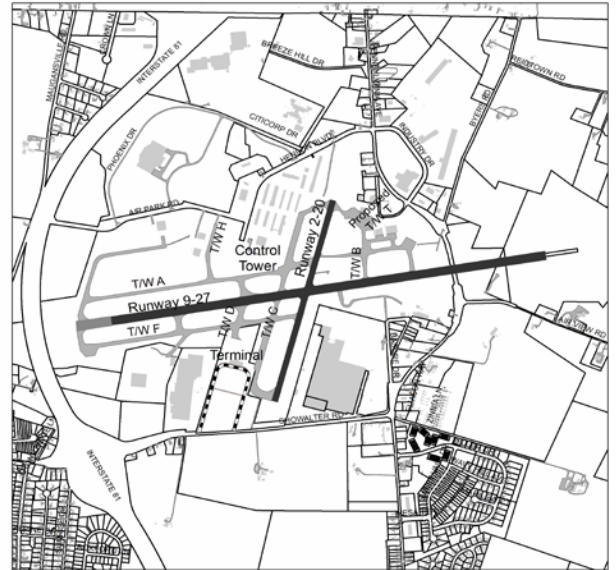
Project Costs:

Engineering/Design	60,000	0	0	0	0	0	0	0	60,000
Construction	540,000	0	0	0	0	0	0	0	540,000
Total Cost	600,000	0	0	0	0	0	0	0	600,000

Funding Sources:

General Fund	30,000	0	0	0	0	0	0	0	30,000
Federal Grant	540,000	0	0	0	0	0	0	0	540,000
State Grant	30,000	0	0	0	0	0	0	0	30,000
Total Funding	600,000	0	0	0	0	0	0	0	600,000

Projected Operating Costs: \$0



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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Engineering/Design	259,000	171,000	16,000	0	33,000	0	39,000	0	0
Total Cost	259,000	171,000	16,000	0	33,000	0	39,000	0	0

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	72,000	0	0	0	33,000	0	39,000	0	0
Capital Reserve - General	187,000	171,000	16,000	0	0	0	0	0	0
Total Funding	259,000	171,000	16,000	0	33,000	0	39,000	0	0

Project Title: Passenger Terminal Hold Room Expansion

Project Number: 1237

Account Number: BLD082

Projected Annual FTE's: 0

Projected Operating Costs: \$2,000



Description:

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

Assumptions & Justifications:

Pending Federal Aviation Administration (FAA) funding:

90% FAA share

5% State share

5% Local share

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	202,000	202,000	0	0	0	0	0	0	0
Construction	1,764,000	0	0	1,764,000	0	0	0	0	0
Total Cost	1,966,000	202,000	0	1,764,000	0	0	0	0	0

Funding Sources:

General Fund	10,000	10,000	0	0	0	0	0	0	0
Tax Supported Bond	73,000	0	0	73,000	0	0	0	0	0
Federal Grant	1,800,000	182,000	0	1,618,000	0	0	0	0	0
State Grant	83,000	10,000	0	73,000	0	0	0	0	0
Total Funding	1,966,000	202,000	0	1,764,000	0	0	0	0	0

Project Title: T-Hangar Roof Replacement

Project Number: 1271

Account Number: BLD088

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

This project provides for the replacement of T-hangar roofs.

Assumptions & Justifications:

An ongoing roof replacement plan is necessary for T-hangars. Airport will contribute funds on an annual basis to provide for this replacement plan.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

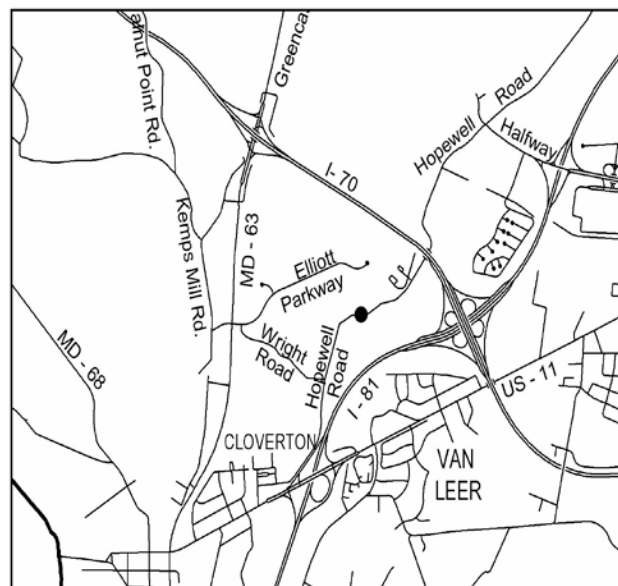
Construction	113,000	0	33,000	8,000	8,000	9,000	9,000	9,000	37,000
Total Cost	113,000	0	33,000	8,000	8,000	9,000	9,000	9,000	37,000

Funding Sources:

Airport Fund	113,000	0	33,000	8,000	8,000	9,000	9,000	9,000	37,000
Total Funding	113,000	0	33,000	8,000	8,000	9,000	9,000	9,000	37,000

Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Bridges										
56	Hopewell Road Culvert 02/01	292,100	5,100	287,000	0	0	0	0	0	0
57	Bridge Inspection & Inventory	703,525	164,525	153,000	0	21,000	0	165,000	0	200,000
58	Dogstreet Road Bridge W5932P	1,038,400	166,400	0	872,000	0	0	0	0	0
59	Spur Road Culvert 07/16	287,000	46,000	241,000	0	0	0	0	0	0
60	Old Roxbury Road Bridge W5372	4,133,077	900,077	26,000	1,040,000	1,060,000	1,107,000	0	0	0
61	Poffenberger Road Bridge W4011	736,900	685,900	51,000	0	0	0	0	0	0
62	Poffenberger Road Bridge W4012	1,407,000	1,305,000	102,000	0	0	0	0	0	0
63	Hopewell Road Culvert 02/02	228,100	10,100	218,000	0	0	0	0	0	0
64	Keedysville Road Bridge W5651	1,672,600	257,600	763,000	652,000	0	0	0	0	0
65	Crystal Falls Drive Bridge W3051	1,356,500	405,500	0	458,000	493,000	0	0	0	0
66	Wright Road Culvert 02/06	181,000	2,000	179,000	0	0	0	0	0	0
67	Rinehart Road Culvert 14/03	346,000	0	0	0	0	33,000	313,000	0	0
68	Kretsinger Road Culvert 14/01	329,000	0	0	0	0	33,000	296,000	0	0
69	Frog Eye Road Culvert 11/06	634,000	0	0	0	0	0	0	0	634,000
70	Cleaning and Painting of Steel Bridges	416,000	0	0	416,000	0	0	0	0	0
71	Wright Road Culvert 02/05	225,000	5,000	220,000	0	0	0	0	0	0
72	Keefer Road Bridge 15/20	198,000	0	0	0	0	38,000	160,000	0	0
73	Burnside Bridge Road Culvert 01/03	324,000	0	0	0	0	33,000	291,000	0	0
74	Greenspring Furnace Road Culvert 15/15	412,000	0	0	0	0	0	33,000	379,000	0
75	Harpers Ferry Road Culvert 11/02	549,000	0	0	0	0	0	33,000	516,000	0
76	Back Road Culvert 11/03	306,000	0	0	0	0	0	33,000	273,000	0
77	Long Hollow Road Culvert 05/07	311,000	0	0	0	0	0	0	33,000	278,000
78	Hoffman's Inn Road Culvert 05/06	311,000	0	0	0	0	0	0	33,000	278,000
79	Henline Road Culvert 05/05	456,000	0	0	0	0	0	0	33,000	423,000
80	Bridge Scour Repairs	436,000	0	204,000	0	0	0	0	0	232,000
81	Bowie Road Culvert	300,000	0	0	0	0	0	0	0	300,000
82	Remsburg Road Culvert	306,000	0	0	0	0	0	0	0	306,000
83	Lanes Road Culvert 15/12	300,000	0	0	0	0	0	0	0	300,000
84	Greenbrier Road Culvert 16/14	329,000	0	0	0	0	0	0	0	329,000
85	Taylors Landing Road Bridge W7101	36,000	0	0	0	0	0	0	0	36,000
86	Mooresville Road Culvert 15/21	361,000	0	0	0	0	0	0	0	361,000
87	Welty Church Road Culvert 14/06	36,000	0	0	0	0	0	0	0	36,000
88	Willow Road Culvert 05/10	331,000	0	0	0	0	0	0	0	331,000
Bridges Total		19,288,202	3,953,202	2,444,000	3,438,000	1,574,000	1,244,000	1,324,000	1,267,000	4,044,000
Funding Sources										
General Fund		1,843,702	846,702	0	171,000	21,000	0	165,000	0	640,000
Tax Supported Bond		10,048,100	911,100	1,025,000	1,570,000	332,000	380,000	1,159,000	1,267,000	3,404,000
Capital Reserve - General		848,000	0	848,000	0	0	0	0	0	0
Federal Grant		6,548,400	2,195,400	571,000	1,697,000	1,221,000	864,000	0	0	0
		19,288,202	3,953,202	2,444,000	3,438,000	1,574,000	1,244,000	1,324,000	1,267,000	4,044,000

Project Title: Hopewell Road Culvert 02/01**Project Number: 35****Account Number: DNG037****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

The project will be done in conjunction with Wright Road culvert 02/06. This project may also be done in conjunction with Hopewell Road culvert 02/01 and Wright Road culvert 02/05 provided those projects are not 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	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	237,000	0	237,000	0	0	0	0	0	0
Inspection	30,000	0	30,000	0	0	0	0	0	0
Utilities	20,000	0	20,000	0	0	0	0	0	0
Total Cost	292,100	5,100	287,000	0	0	0	0	0	0

Funding Sources:

General Fund	5,100	5,100	0	0	0	0	0	0	0
Tax Supported Bond	287,000	0	287,000	0	0	0	0	0	0
Total Funding	292,100	5,100	287,000	0	0	0	0	0	0

Project Title: Bridge Inspection & Inventory**Project Number: 40****Account Number: BRG002****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

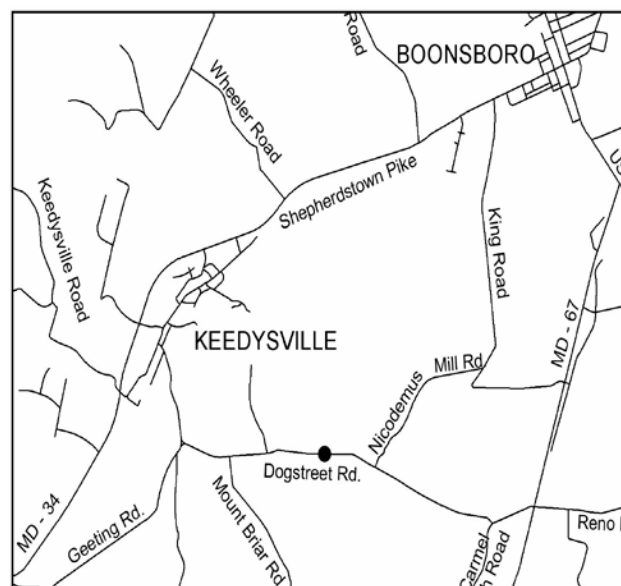
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	703,525	164,525	153,000	0	21,000	0	165,000	0	200,000
Total Cost	703,525	164,525	153,000	0	21,000	0	165,000	0	200,000

Funding Sources:

General Fund	550,525	164,525	0	0	21,000	0	165,000	0	200,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	153,000	0	153,000	0	0	0	0	0	0
Total Funding	703,525	164,525	153,000	0	21,000	0	165,000	0	200,000

Project Title: Dogstreet Road Bridge W5932P**Project Number: 48****Account Number: BRG049****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

The project is needed to provide cost effective road maintenance in this area. The frequency of flooding and clogging impacts the delivery of public safety services in that area of the county. The Bridge Sufficiency Rating is 78.6 out of a maximum possible score of 100.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	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	777,000	0	0	777,000	0	0	0	0	0
Inspection	89,000	0	0	89,000	0	0	0	0	0
Utilities	6,000	0	0	6,000	0	0	0	0	0
Total Cost	1,038,400	166,400	0	872,000	0	0	0	0	0

Funding Sources:

General Fund	166,400	166,400	0	0	0	0	0	0	0
Tax Supported Bond	872,000	0	0	872,000	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Total Funding	1,038,400	166,400	0	872,000	0	0	0	0	0

Project Title: Spur Road Culvert 07/16**Project Number:** 50**Account Number:** BRG055**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

Consideration has been given for possible road improvements at this location. There are sight distance issues, therefore this budget assumes a structure replacement project.

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

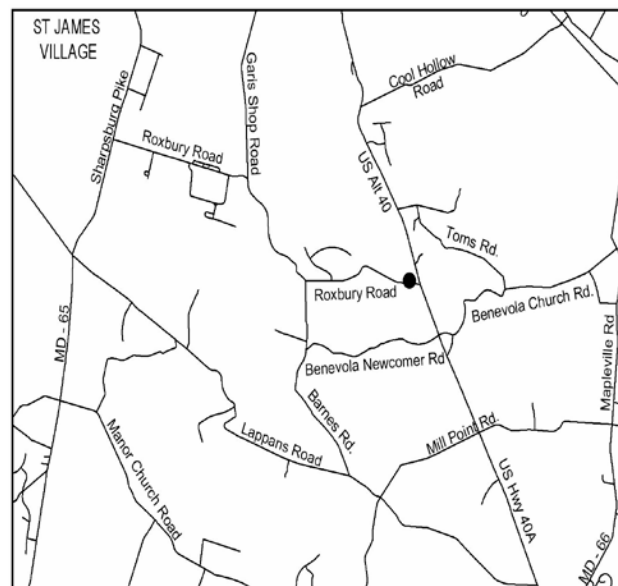
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	15,000	15,000	0	0	0	0	0	0	0
Construction	204,000	0	204,000	0	0	0	0	0	0
Inspection	37,000	0	37,000	0	0	0	0	0	0
Utilities	31,000	31,000	0	0	0	0	0	0	0
Total Cost	287,000	46,000	241,000	0	0	0	0	0	0

Funding Sources:

General Fund	46,000	46,000	0	0	0	0	0	0	0
Tax Supported Bond	241,000	0	241,000	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Total Funding	287,000	46,000	241,000	0	0	0	0	0	0

Project Title: Old Roxbury Road Bridge W5372**Project Number: 56****Account Number: BRG020****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project involves the replacement of an existing one lane, two span bridge with a two lane multiple span bridge. The existing bridge has flooding issues and is structurally deficient and functionally obsolete.

Assumptions & Justifications:

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

The project is needed to replace a structure that has exceeded its useful life and to improve safety. Due to the structure type, no practical long term repair options exist. The Bridge Sufficiency Rating is 13.6 out of a maximum possible score of 100.

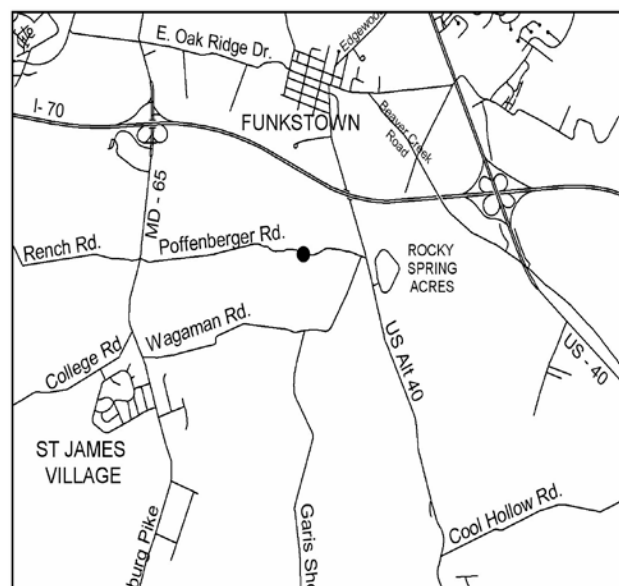
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	137,177	137,177	0	0	0	0	0	0	0
Land Acquisition	281,000	255,000	26,000	0	0	0	0	0	0
Construction	3,663,700	483,700	0	1,040,000	1,060,000	1,080,000	0	0	0
Inspection	51,200	24,200	0	0	0	27,000	0	0	0
Total Cost	4,133,077	900,077	26,000	1,040,000	1,060,000	1,107,000	0	0	0

Funding Sources:

General Fund	126,977	126,977	0	0	0	0	0	0	0
Tax Supported Bond	1,436,100	773,100	0	208,000	212,000	243,000	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	26,000	0	26,000	0	0	0	0	0	0
Federal Grant	2,544,000	0	0	832,000	848,000	864,000	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Total Funding	4,133,077	900,077	26,000	1,040,000	1,060,000	1,107,000	0	0	0

Project Title: Poffenberger Road Bridge W4011**Project Number: 57****Account Number: BRG065****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

The project is needed to maintain the bridge in a serviceable condition and to protect historical considerations. The Bridge Sufficiency Rating is 41.0 out of a maximum possible score of 100.

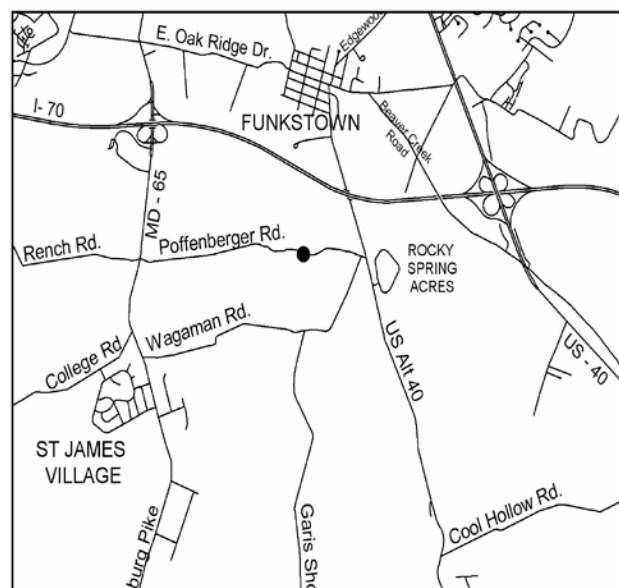
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

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	521,700	470,700	51,000	0	0	0	0	0	0
Inspection	58,600	58,600	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Total Cost	736,900	685,900	51,000	0	0	0	0	0	0

Funding Sources:

General Fund	99,200	99,200	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	51,000	0	51,000	0	0	0	0	0	0
Federal Grant	586,700	586,700	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
Total Funding	736,900	685,900	51,000	0	0	0	0	0	0

Project Title: Poffenberger Road Bridge W4012**Project Number: 58****Account Number: BRG066****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

The project is needed to maintain the bridge in a serviceable condition and to protect historical considerations. The bridge Sufficiency Rating is 41.0 out of a maximum possible score of 100.

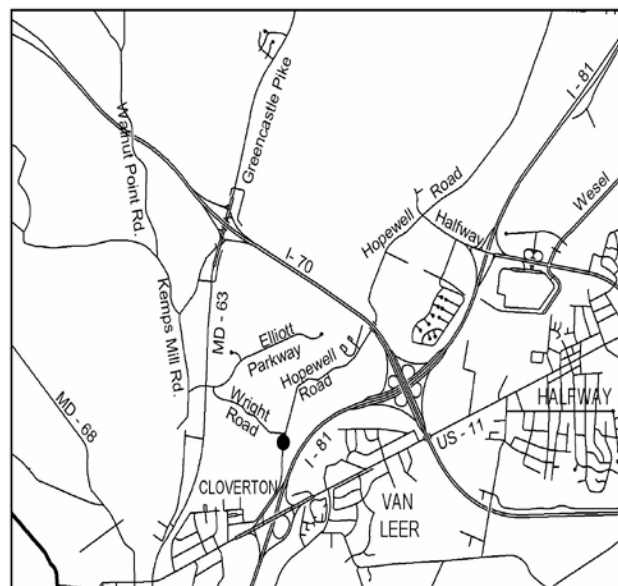
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

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	1,112,000	1,010,000	102,000	0	0	0	0	0	0
Inspection	87,900	87,900	0	0	0	0	0	0	0
Total Cost	1,407,000	1,305,000	102,000	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	138,000	0	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	102,000	0	102,000	0	0	0	0	0	0
Federal Grant	1,123,900	1,123,900	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
Total Funding	1,407,000	1,305,000	102,000	0	0	0	0	0	0

Project Title: Hopewell Road Culvert 02/02**Project Number: 61****Account Number: DNG040****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

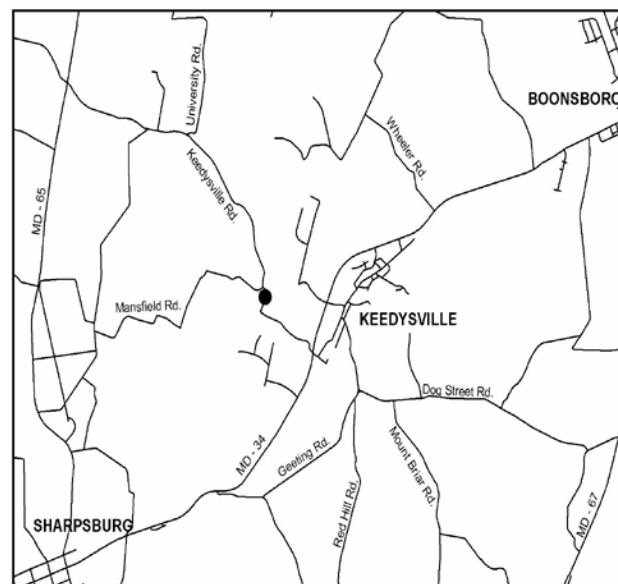
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	10,100	10,100	0	0	0	0	0	0	0
Construction	179,000	0	179,000	0	0	0	0	0	0
Inspection	39,000	0	39,000	0	0	0	0	0	0
Total Cost	228,100	10,100	218,000	0	0	0	0	0	0

Funding Sources:

General Fund	10,100	10,100	0	0	0	0	0	0	0
Tax Supported Bond	218,000	0	218,000	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Bond Proceeds	0	0	0	0	0	0	0	0	0
Total Funding	228,100	10,100	218,000	0	0	0	0	0	0

Project Title: Keedysville Road Bridge W5651**Project Number: 1018****Account Number: BRG072****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

The project is needed to maintain a serviceable condition and to protect historical considerations. The Bridge Sufficiency Rating is 50.8 out of a maximum possible score of 100.

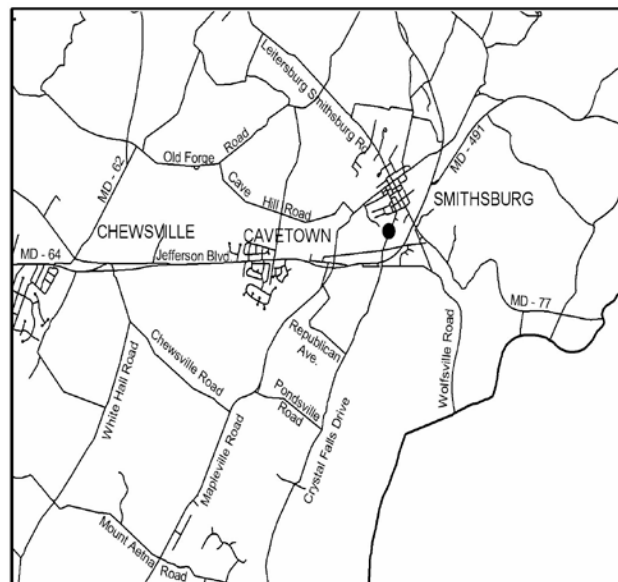
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	252,500	252,500	0	0	0	0	0	0	0
Land Acquisition	5,100	5,100	0	0	0	0	0	0	0
Construction	1,338,000	0	712,000	626,000	0	0	0	0	0
Inspection	26,000	0	0	26,000	0	0	0	0	0
Utilities	51,000	0	51,000	0	0	0	0	0	0
Total Cost	1,672,600	257,600	763,000	652,000	0	0	0	0	0

Funding Sources:

General Fund	55,600	55,600	0	0	0	0	0	0	0
Tax Supported Bond	212,000	0	59,000	153,000	0	0	0	0	0
Capital Reserve - General	133,000	0	133,000	0	0	0	0	0	0
Federal Grant	1,272,000	202,000	571,000	499,000	0	0	0	0	0
Total Funding	1,672,600	257,600	763,000	652,000	0	0	0	0	0

Project Title: Crystal Falls Drive Bridge W3051**Project Number:** 1019**Account Number:** BRG030**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

The project is needed to replace a structure that is nearing the end of its useful life and to improve safety. Due to the structure type, no practical long term repair options exist. The Bridge Sufficiency Rating is 42.5 out of a maximum possible score of 100.

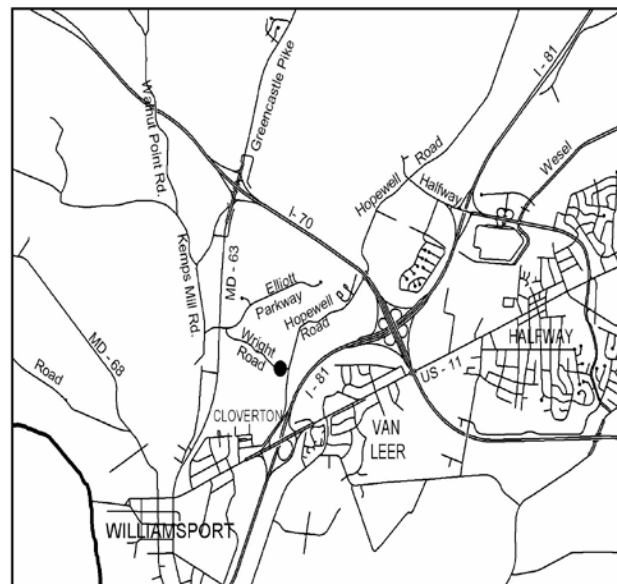
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	353,500	353,500	0	0	0	0	0	0	0
Land Acquisition	10,200	10,200	0	0	0	0	0	0	0
Construction	924,000	0	0	458,000	466,000	0	0	0	0
Inspection	27,000	0	0	0	27,000	0	0	0	0
Utilities	41,800	41,800	0	0	0	0	0	0	0
Total Cost	1,356,500	405,500	0	458,000	493,000	0	0	0	0

Funding Sources:

General Fund	122,700	122,700	0	0	0	0	0	0	0
Tax Supported Bond	212,000	0	0	92,000	120,000	0	0	0	0
Federal Grant	1,021,800	282,800	0	366,000	373,000	0	0	0	0
Total Funding	1,356,500	405,500	0	458,000	493,000	0	0	0	0

Project Title: Wright Road Culvert 02/06**Project Number: 1022****Account Number: DNG038****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

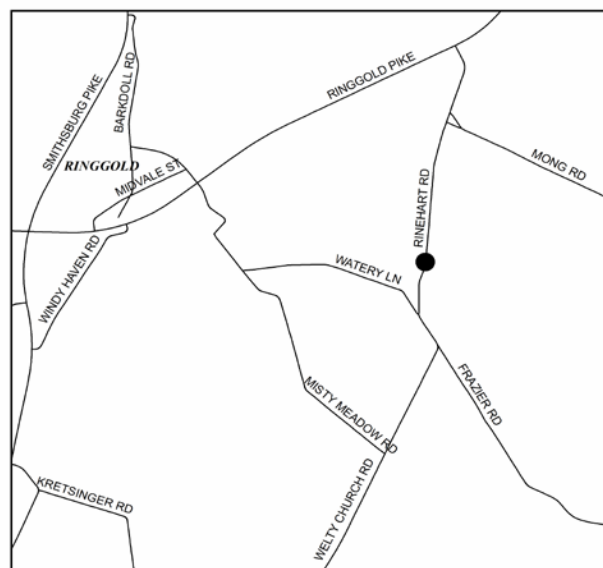
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	2,000	2,000	0	0	0	0	0	0	0
Construction	179,000	0	179,000	0	0	0	0	0	0
Total Cost	181,000	2,000	179,000	0	0	0	0	0	0

Funding Sources:

General Fund	2,000	2,000	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	179,000	0	179,000	0	0	0	0	0	0
Total Funding	181,000	2,000	179,000	0	0	0	0	0	0

Project Title: Rinehart Road Culvert 14/03**Project Number:** 1039**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

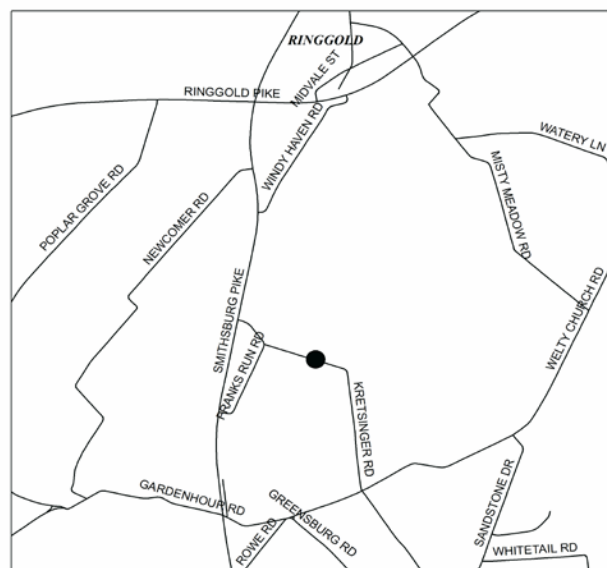
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	11,000	0	0	0
Construction	281,000	0	0	0	0	0	281,000	0	0
Inspection	32,000	0	0	0	0	0	32,000	0	0
Utilities	22,000	0	0	0	0	22,000	0	0	0
Total Cost	346,000	0	0	0	0	33,000	313,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	346,000	0	0	0	0	33,000	313,000	0	0
Total Funding	346,000	0	0	0	0	33,000	313,000	0	0

Project Title: Kretsinger Road Culvert 14/01**Project Number:** 1040**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	11,000	0	0	0
Construction	264,000	0	0	0	0	0	264,000	0	0
Inspection	32,000	0	0	0	0	0	32,000	0	0
Utilities	22,000	0	0	0	0	22,000	0	0	0
Total Cost	329,000	0	0	0	0	33,000	296,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	329,000	0	0	0	0	33,000	296,000	0	0
Total Funding	329,000	0	0	0	0	33,000	296,000	0	0

Project Title: Frog Eye Road Culvert 11/06**Project Number:** 1041**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	12,000	0	0	0	0	0	0	0	12,000
Construction	540,000	0	0	0	0	0	0	0	540,000
Inspection	58,000	0	0	0	0	0	0	0	58,000
Utilities	24,000	0	0	0	0	0	0	0	24,000
Total Cost	634,000	0	0	0	0	0	0	0	634,000

Funding Sources:

Tax Supported Bond	634,000	0	0	0	0	0	0	0	634,000
Total Funding	634,000	0	0	0	0	0	0	0	634,000

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

Project Number: **1042**

Account Number:

Projected Annual FTE's: **0**

Projected Operating Costs: **\$0**

Description:

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

Assumptions & Justifications:

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

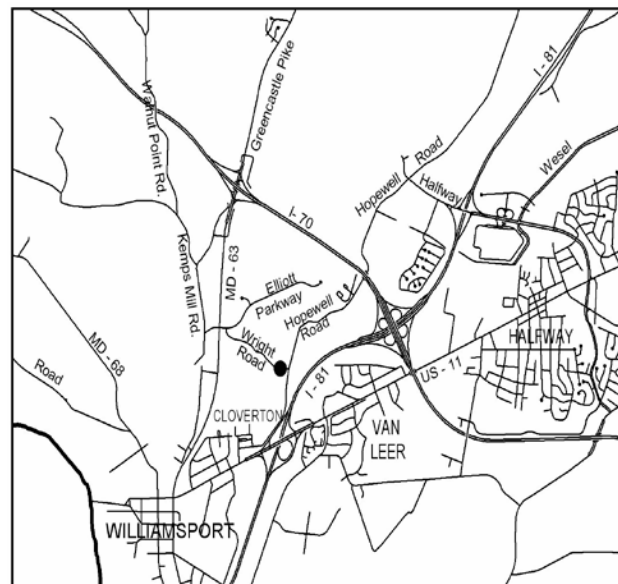
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	374,000	0	0	374,000	0	0	0	0	0
Inspection	42,000	0	0	42,000	0	0	0	0	0
Total Cost	416,000	0	0	416,000	0	0	0	0	0

Funding Sources:

General Fund	171,000	0	0	171,000	0	0	0	0	0
Tax Supported Bond	245,000	0	0	245,000	0	0	0	0	0
Total Funding	416,000	0	0	416,000	0	0	0	0	0

Project Title: Wright Road Culvert 02/05**Project Number: 1043****Account Number: BRG080****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

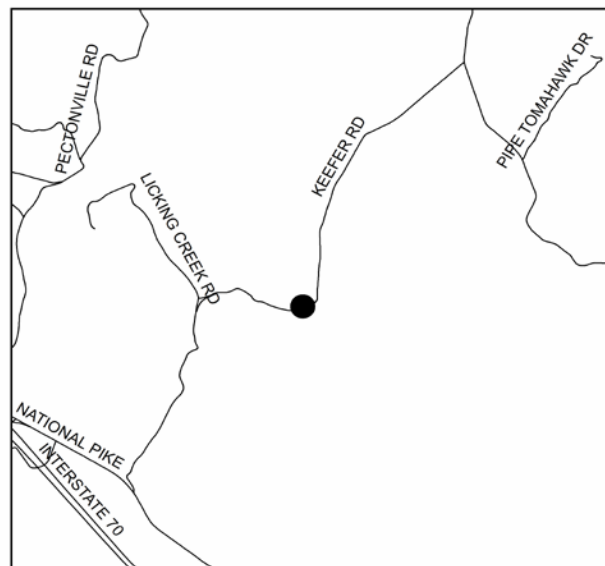
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	5,000	5,000	0	0	0	0	0	0	0
Construction	184,000	0	184,000	0	0	0	0	0	0
Inspection	30,000	0	30,000	0	0	0	0	0	0
Utilities	6,000	0	6,000	0	0	0	0	0	0
Total Cost	225,000	5,000	220,000	0	0	0	0	0	0

Funding Sources:

General Fund	5,000	5,000	0	0	0	0	0	0	0
Tax Supported Bond	220,000	0	220,000	0	0	0	0	0	0
Total Funding	225,000	5,000	220,000	0	0	0	0	0	0

Project Title: Keefer Road Bridge 15/20**Project Number: 1045****Account Number:****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

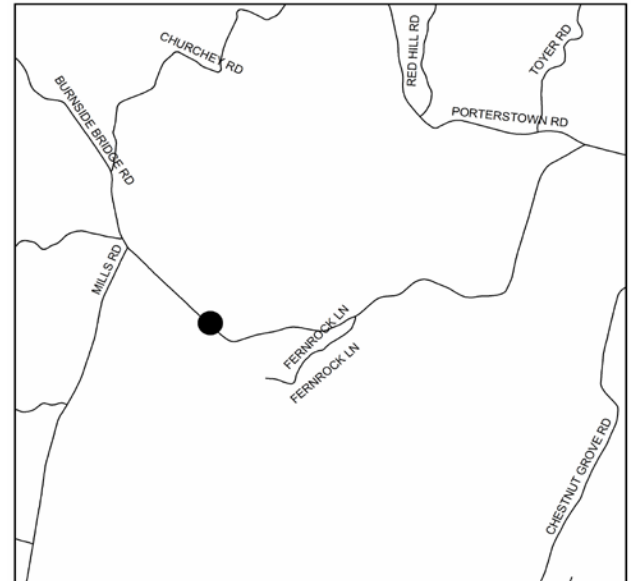
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	11,000	0	0	0
Construction	160,000	0	0	0	0	0	160,000	0	0
Inspection	27,000	0	0	0	0	27,000	0	0	0
Total Cost	198,000	0	0	0	0	38,000	160,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	198,000	0	0	0	0	38,000	160,000	0	0
Total Funding	198,000	0	0	0	0	38,000	160,000	0	0

Project Title: Burnside Bridge Road Culvert 01/03**Project Number:** 1046**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

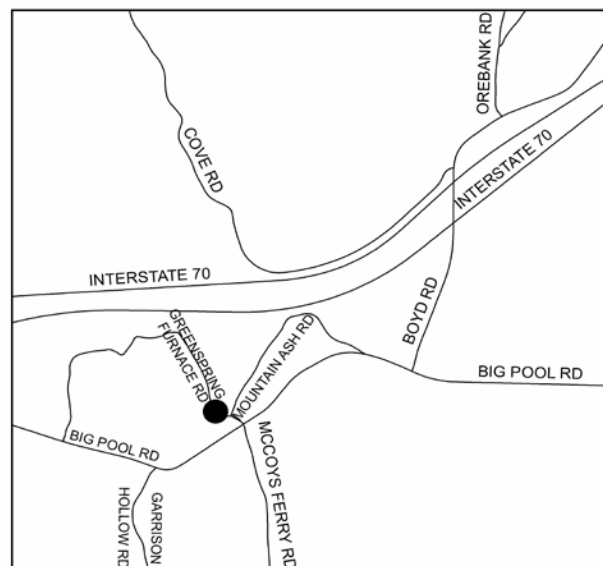
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	11,000	0	0	0
Construction	259,000	0	0	0	0	0	259,000	0	0
Inspection	32,000	0	0	0	0	0	32,000	0	0
Utilities	22,000	0	0	0	0	22,000	0	0	0
Total Cost	324,000	0	0	0	0	33,000	291,000	0	0

Funding Sources:

Tax Supported Bond	324,000	0	0	0	0	33,000	291,000	0	0
Total Funding	324,000	0	0	0	0	33,000	291,000	0	0

Project Title: Greenspring Furnace Road Culvert 15/15**Project Number: 1047****Account Number:****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

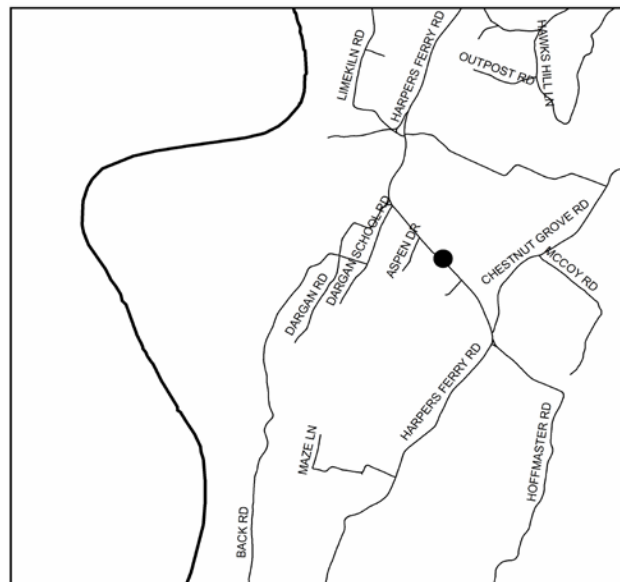
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	11,000	0	0
Construction	347,000	0	0	0	0	0	0	347,000	0
Inspection	32,000	0	0	0	0	0	0	32,000	0
Utilities	22,000	0	0	0	0	0	22,000	0	0
Total Cost	412,000	0	0	0	0	0	33,000	379,000	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	412,000	0	0	0	0	0	33,000	379,000	0
Total Funding	412,000	0	0	0	0	0	33,000	379,000	0

Project Title: Harpers Ferry Road Culvert 11/02**Project Number:** 1048**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

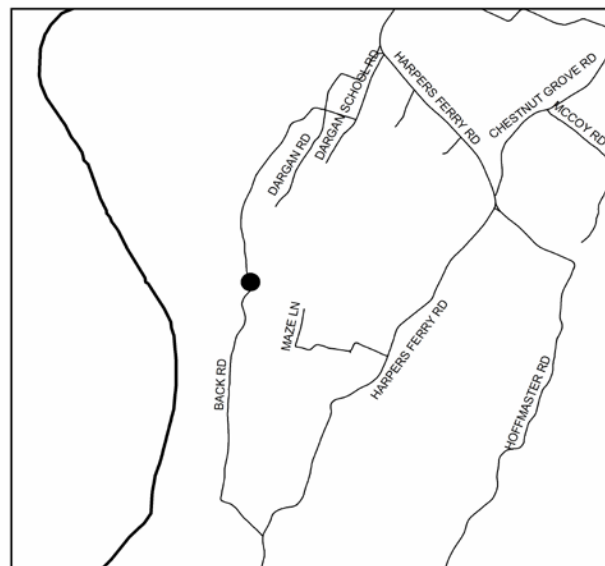
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	11,000	0	0
Construction	476,000	0	0	0	0	0	0	476,000	0
Inspection	40,000	0	0	0	0	0	0	40,000	0
Utilities	22,000	0	0	0	0	0	22,000	0	0
Total Cost	549,000	0	0	0	0	0	33,000	516,000	0

Funding Sources:

Tax Supported Bond	549,000	0	0	0	0	0	33,000	516,000	0
Total Funding	549,000	0	0	0	0	0	33,000	516,000	0

Project Title: Back Road Culvert 11/03**Project Number:** 1049**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

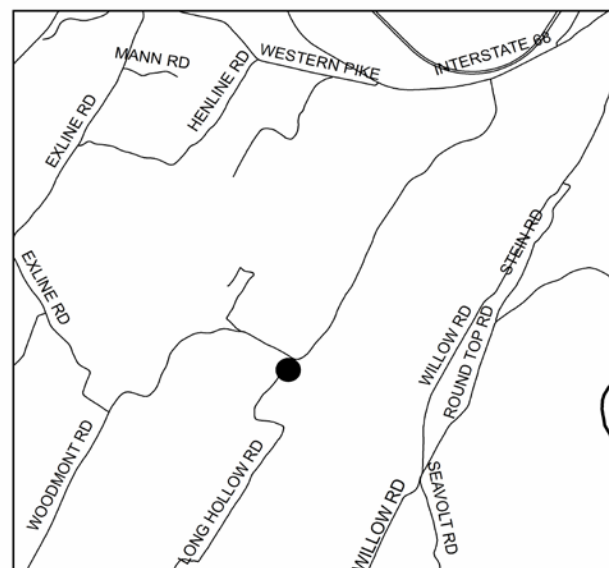
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	11,000	0	0
Construction	241,000	0	0	0	0	0	0	241,000	0
Inspection	32,000	0	0	0	0	0	0	32,000	0
Utilities	22,000	0	0	0	0	0	22,000	0	0
Total Cost	306,000	0	0	0	0	0	33,000	273,000	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	306,000	0	0	0	0	0	33,000	273,000	0
Total Funding	306,000	0	0	0	0	0	33,000	273,000	0

Project Title: Long Hollow Road Culvert 05/07**Project Number:** 1050**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

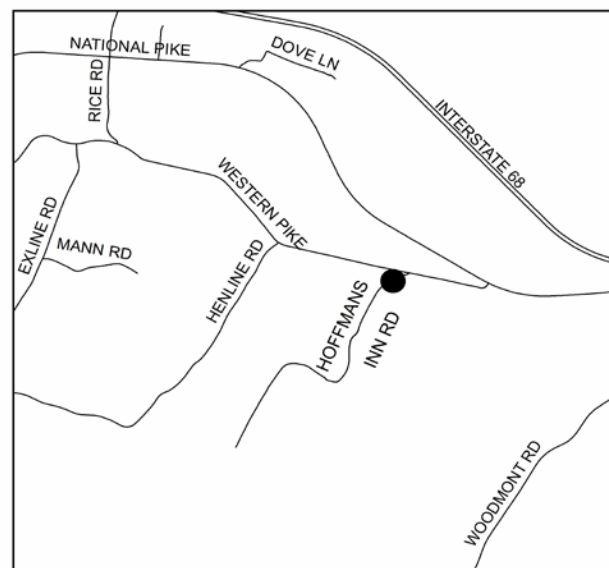
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	0	11,000	0
Construction	245,000	0	0	0	0	0	0	0	245,000
Inspection	33,000	0	0	0	0	0	0	0	33,000
Utilities	22,000	0	0	0	0	0	0	22,000	0
Total Cost	311,000	0	0	0	0	0	0	33,000	278,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	311,000	0	0	0	0	0	0	33,000	278,000
Total Funding	311,000	0	0	0	0	0	0	33,000	278,000

Project Title: Hoffman's Inn Road Culvert 05/06**Project Number:** 1051**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

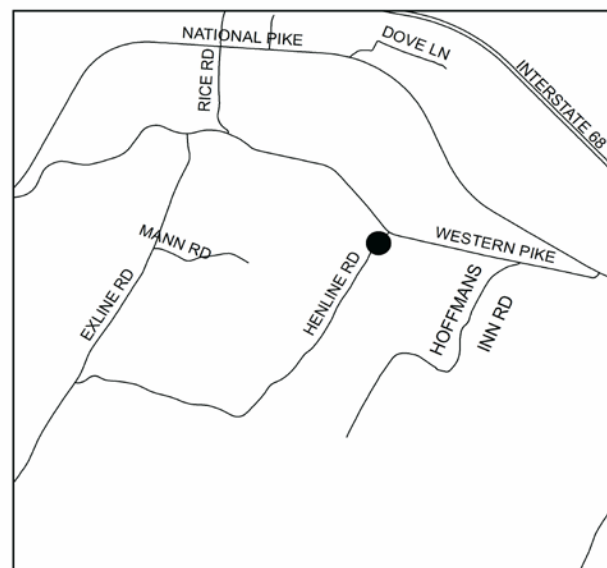
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	0	11,000	0
Construction	245,000	0	0	0	0	0	0	0	245,000
Inspection	33,000	0	0	0	0	0	0	0	33,000
Utilities	22,000	0	0	0	0	0	0	22,000	0
Total Cost	311,000	0	0	0	0	0	0	33,000	278,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	311,000	0	0	0	0	0	0	33,000	278,000
Total Funding	311,000	0	0	0	0	0	0	33,000	278,000

Project Title: Henline Road Culvert 05/05**Project Number:** 1052**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	0	11,000	0
Construction	382,000	0	0	0	0	0	0	0	382,000
Inspection	41,000	0	0	0	0	0	0	0	41,000
Utilities	22,000	0	0	0	0	0	0	22,000	0
Total Cost	456,000	0	0	0	0	0	0	33,000	423,000

Funding Sources:

Tax Supported Bond	456,000	0	0	0	0	0	0	33,000	423,000
Total Funding	456,000	0	0	0	0	0	0	33,000	423,000

Project Title: Bridge Scour Repairs**Project Number:** 1086**Account Number:** BRG081**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

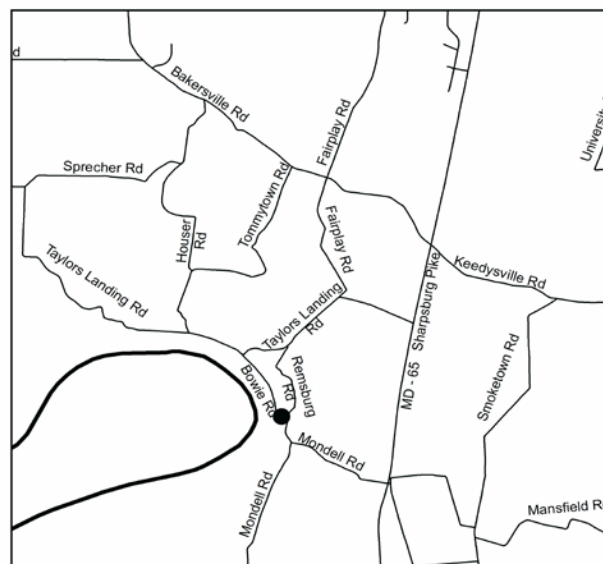
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	436,000	0	204,000	0	0	0	0	0	232,000
Total Cost	436,000	0	204,000	0	0	0	0	0	232,000

Funding Sources:

General Fund	232,000	0	0	0	0	0	0	0	232,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	204,000	0	204,000	0	0	0	0	0	0
Total Funding	436,000	0	204,000	0	0	0	0	0	232,000

Project Title: Bowie Road Culvert**Project Number:** 1095**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

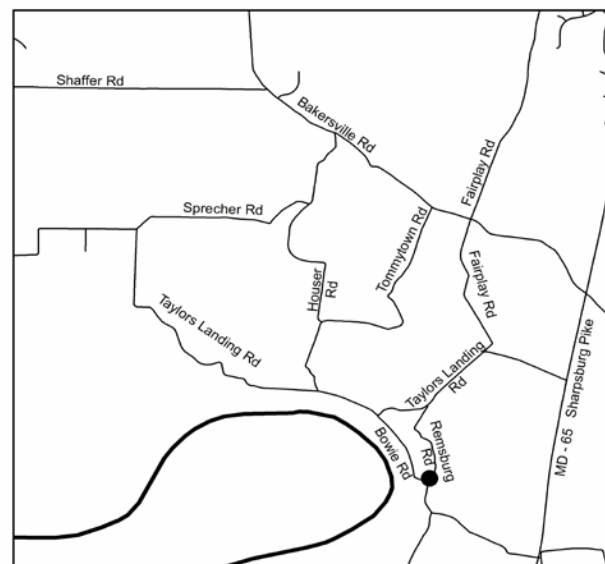
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	0	0	11,000
Construction	232,000	0	0	0	0	0	0	0	232,000
Inspection	34,000	0	0	0	0	0	0	0	34,000
Utilities	23,000	0	0	0	0	0	0	0	23,000
Total Cost	300,000	0	0	0	0	0	0	0	300,000

Funding Sources:

General Fund	34,000	0	0	0	0	0	0	0	34,000
Tax Supported Bond	266,000	0	0	0	0	0	0	0	266,000
Total Funding	300,000	0	0	0	0	0	0	0	300,000

Project Title: Rensburg Road Culvert**Project Number: 1096****Account Number:****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

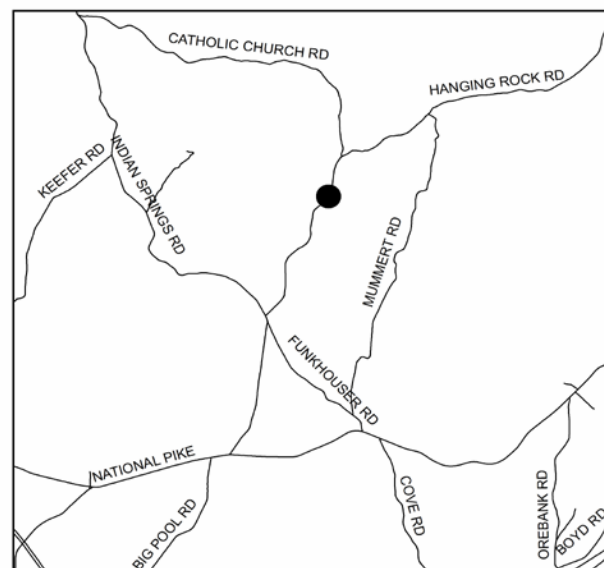
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	0	0	11,000
Construction	238,000	0	0	0	0	0	0	0	238,000
Inspection	34,000	0	0	0	0	0	0	0	34,000
Utilities	23,000	0	0	0	0	0	0	0	23,000
Total Cost	306,000	0	0	0	0	0	0	0	306,000

Funding Sources:

General Fund	34,000	0	0	0	0	0	0	0	34,000
Tax Supported Bond	272,000	0	0	0	0	0	0	0	272,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	306,000	0	0	0	0	0	0	0	306,000

Project Title: Lanes Road Culvert 15/12**Project Number: 1131****Account Number: DNG020****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

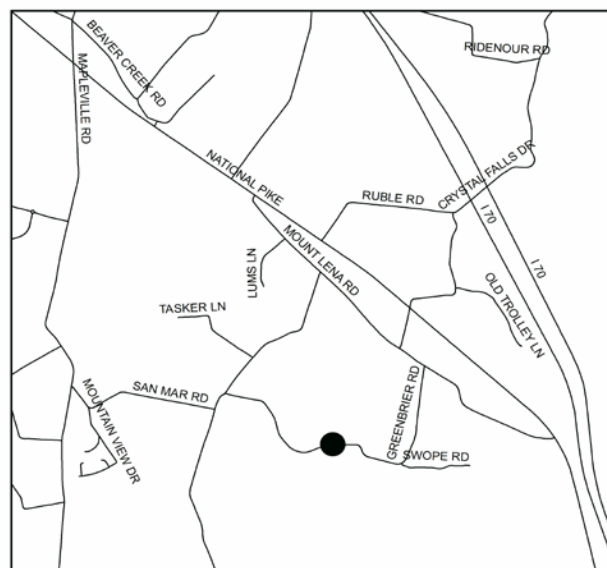
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	0	0	0	11,000
Construction	232,000	0	0	0	0	0	0	0	232,000
Inspection	34,000	0	0	0	0	0	0	0	34,000
Utilities	23,000	0	0	0	0	0	0	0	23,000
Total Cost	300,000	0	0	0	0	0	0	0	300,000

Funding Sources:

General Fund	34,000	0	0	0	0	0	0	0	34,000
Tax Supported Bond	266,000	0	0	0	0	0	0	0	266,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	300,000	0	0	0	0	0	0	0	300,000

Project Title: Greenbrier Road Culvert 16/14**Project Number:** 1132**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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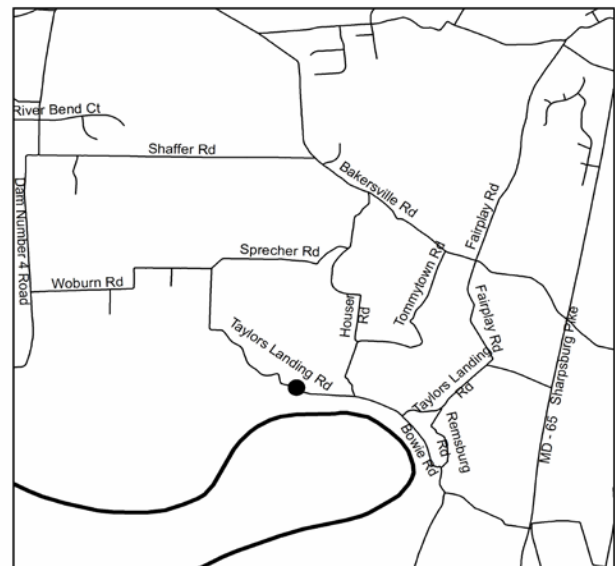
Project Costs:

Land Acquisition	11,000	0	0	0	0	0	0	0	11,000
Construction	261,000	0	0	0	0	0	0	0	261,000
Inspection	34,000	0	0	0	0	0	0	0	34,000
Utilities	23,000	0	0	0	0	0	0	0	23,000
Total Cost	329,000	0	0	0	0	0	0	0	329,000

Funding Sources:

General Fund	34,000	0	0	0	0	0	0	0	34,000
Tax Supported Bond	295,000	0	0	0	0	0	0	0	295,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	329,000	0	0	0	0	0	0	0	329,000

Projected Operating Costs: \$0

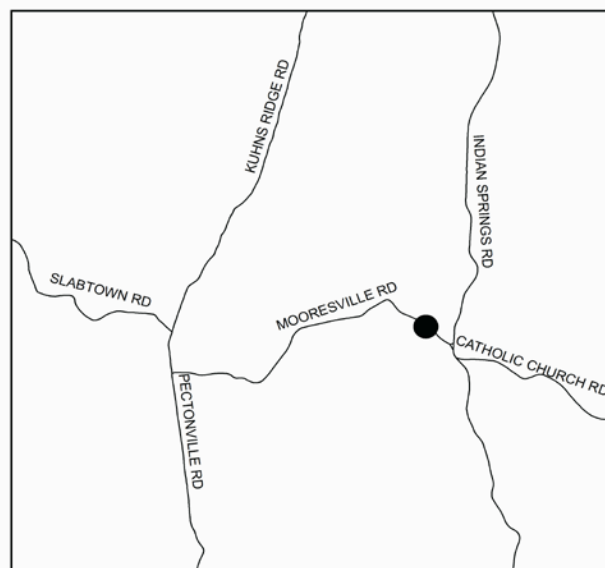


The project is located in the 17000 block of Taylors Landing Road (ADC Map 30, E-4). The project will replace a deteriorated corrugated metal pipe culvert with a precast concrete arch culvert. An upgraded traffic barrier will be added as well to improve safety.

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	2016	2017	2018	2019	2020	2021	Future
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Project Title: Mooresville Road Culvert 15/21**Project Number: 1206****Account Number:****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

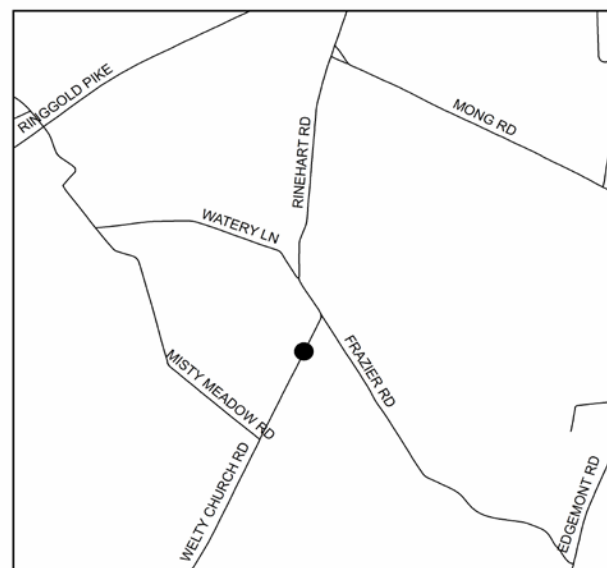
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	12,000	0	0	0	0	0	0	0	12,000
Construction	282,000	0	0	0	0	0	0	0	282,000
Inspection	43,000	0	0	0	0	0	0	0	43,000
Utilities	24,000	0	0	0	0	0	0	0	24,000
Total Cost	361,000	0	0	0	0	0	0	0	361,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	361,000	0	0	0	0	0	0	0	361,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	361,000	0	0	0	0	0	0	0	361,000

Project Title: Welty Church Road Culvert 14/06**Project Number:** 1212**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

The bridge is in a condition beyond serviceable repair.

This bridge is structurally and functionally deficient and requires replacement.

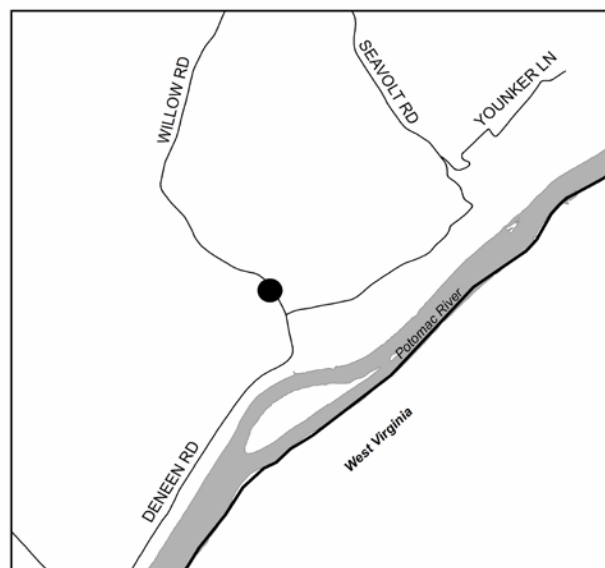
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	12,000	0	0	0	0	0	0	0	12,000
Construction	0	0	0	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Utilities	24,000	0	0	0	0	0	0	0	24,000
Total Cost	36,000	0	0	0	0	0	0	0	36,000

Funding Sources:

General Fund	36,000	0	0	0	0	0	0	0	36,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Total Funding	36,000	0	0	0	0	0	0	0	36,000

Project Title: Willow Road Culvert 05/10**Project Number:** 1213**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

The bridge is in a condition beyond serviceable repair.

This bridge is structurally and functionally deficient and requires replacement.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	12,000	0	0	0	0	0	0	0	12,000
Construction	252,000	0	0	0	0	0	0	0	252,000
Inspection	43,000	0	0	0	0	0	0	0	43,000
Utilities	24,000	0	0	0	0	0	0	0	24,000
Total Cost	331,000	0	0	0	0	0	0	0	331,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	331,000	0	0	0	0	0	0	0	331,000
Total Funding	331,000	0	0	0	0	0	0	0	331,000

Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Drainage										
90	Stream Restoration at Various Locations	2,315,194	881,194	0	0	424,000	0	44,000	448,000	518,000
91	Stormwater Retrofits	8,218,900	1,254,900	860,000	878,000	894,000	912,000	928,000	945,000	1,547,000
92	Shank Road Drainage	159,000	0	0	0	0	159,000	0	0	0
93	Hoffmaster and Harpers Ferry Road Drainage	896,000	0	0	0	896,000	0	0	0	0
94	Harpers Ferry Road Drainage, 3600 Block	391,000	0	0	0	0	65,000	326,000	0	0
95	Brookfield Avenue Drainage	113,000	0	0	0	0	113,000	0	0	0
96	Broadfording Church Road Culvert	240,000	0	0	0	0	240,000	0	0	0
97	Pondsville Road Drainage	166,000	0	10,000	156,000	0	0	0	0	0
Drainage Total		12,499,094	2,136,094	870,000	1,034,000	2,214,000	1,489,000	1,298,000	1,393,000	2,065,000
Funding Sources										
	General Fund	3,087,600	469,600	0	30,000	246,000	120,000	266,000	496,000	1,460,000
	Tax Supported Bond	7,221,900	350,900	0	1,004,000	1,968,000	1,369,000	1,032,000	893,000	605,000
	Excise Tax - Other	4,000	0	0	0	0	0	0	4,000	0
	Capital Reserve - General	1,795,594	925,594	870,000	0	0	0	0	0	0
	Federal Grant	390,000	390,000	0	0	0	0	0	0	0
		12,499,094	2,136,094	870,000	1,034,000	2,214,000	1,489,000	1,298,000	1,393,000	2,065,000

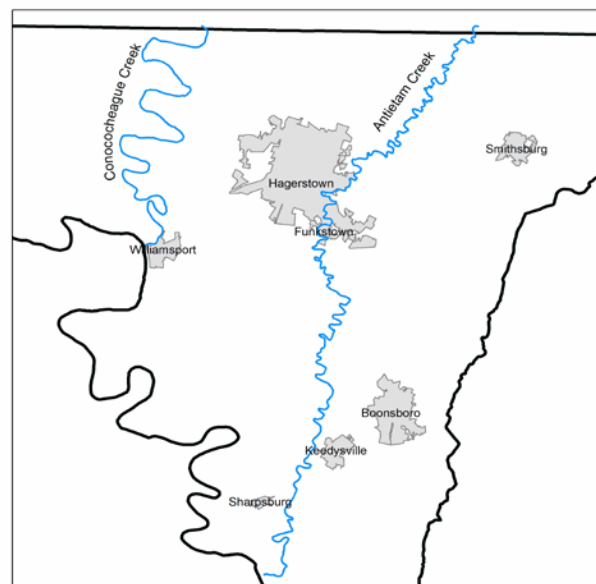
Project Title: Stream Restoration at Various Locations

Project Number: 1009

Account Number: DNG030

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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

Assumptions & Justifications:

It is anticipated that the Pleasant Valley Road Stream restoration project will be completed with local funding from FY18. Stream restoration projects for FY20 and out are yet to be determined.

Maryland has imposed total maximum daily load requirements (TMDL) on 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	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	171,600	81,600	0	0	0	0	44,000	0	46,000
Construction	2,143,594	799,594	0	0	424,000	0	0	448,000	472,000
Total Cost	2,315,194	881,194	0	0	424,000	0	44,000	448,000	518,000

Funding Sources:

General Fund	1,088,600	425,600	0	0	0	0	0	145,000	518,000
Tax Supported Bond	771,000	0	0	0	424,000	0	44,000	303,000	0
Capital Reserve - General	65,594	65,594	0	0	0	0	0	0	0
Federal Grant	390,000	390,000	0	0	0	0	0	0	0
Total Funding	2,315,194	881,194	0	0	424,000	0	44,000	448,000	518,000

Project Title: Stormwater Retrofits**Project Number: 1125****Account Number: DNG039****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

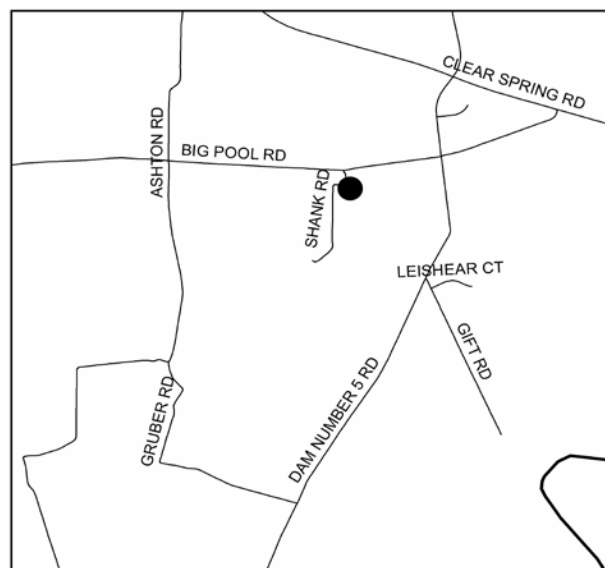
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	252,500	72,500	24,000	25,000	25,000	26,000	26,000	27,000	27,000
Land Acquisition	211,400	60,400	20,000	21,000	21,000	22,000	22,000	22,000	23,000
Construction	7,755,000	1,122,000	816,000	832,000	848,000	864,000	880,000	896,000	1,497,000
Total Cost	8,218,900	1,254,900	860,000	878,000	894,000	912,000	928,000	945,000	1,547,000

Funding Sources:

General Fund	1,999,000	44,000	0	30,000	246,000	120,000	266,000	351,000	942,000
Tax Supported Bond	4,495,900	350,900	0	848,000	648,000	792,000	662,000	590,000	605,000
Excise Tax - Other	4,000	0	0	0	0	0	0	4,000	0
Capital Reserve - General	1,720,000	860,000	860,000	0	0	0	0	0	0
Total Funding	8,218,900	1,254,900	860,000	878,000	894,000	912,000	928,000	945,000	1,547,000

Project Title: Shank Road Drainage**Project Number:** 1134**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

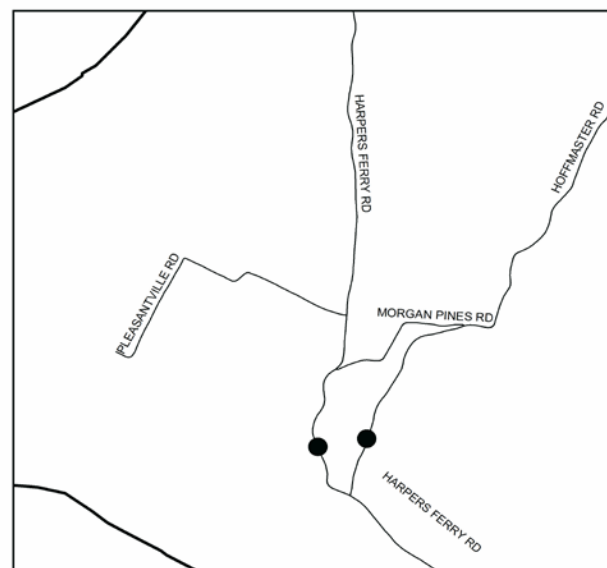
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	2,000	0	0	0	0	2,000	0	0	0
Construction	135,000	0	0	0	0	135,000	0	0	0
Inspection	22,000	0	0	0	0	22,000	0	0	0
Total Cost	159,000	0	0	0	0	159,000	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	159,000	0	0	0	0	159,000	0	0	0
Total Funding	159,000	0	0	0	0	159,000	0	0	0

Project Title: Hoffmaster and Harpers Ferry Road Drainage**Project Number:** 1135**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	11,000	0	0	0	0
Construction	800,000	0	0	0	800,000	0	0	0	0
Inspection	64,000	0	0	0	64,000	0	0	0	0
Utilities	21,000	0	0	0	21,000	0	0	0	0
Total Cost	896,000	0	0	0	896,000	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	896,000	0	0	0	896,000	0	0	0	0
Total Funding	896,000	0	0	0	896,000	0	0	0	0

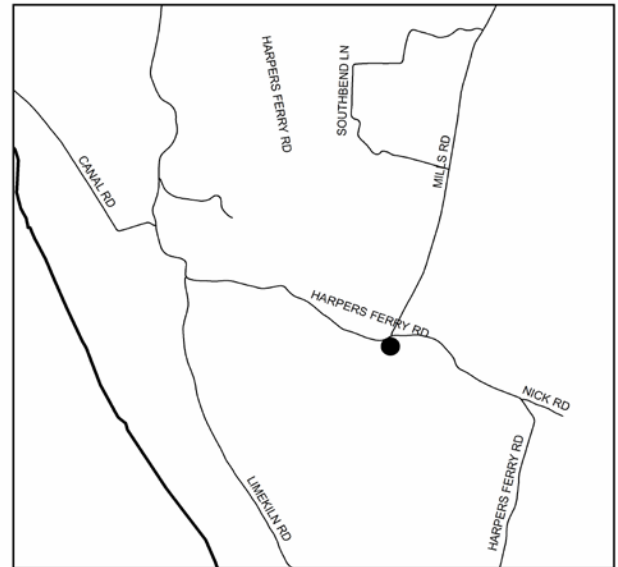
Project Title: Harpers Ferry Road Drainage, 3600 Block

Project Number: 1136

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

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

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	11,000	0	0	0	0	11,000	0	0	0
Construction	286,000	0	0	0	0	0	286,000	0	0
Inspection	40,000	0	0	0	0	0	40,000	0	0
Utilities	54,000	0	0	0	0	54,000	0	0	0
Total Cost	391,000	0	0	0	0	65,000	326,000	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	391,000	0	0	0	0	65,000	326,000	0	0
Total Funding	391,000	0	0	0	0	65,000	326,000	0	0

Project Title: Brookfield Avenue Drainage**Project Number:** 1201**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

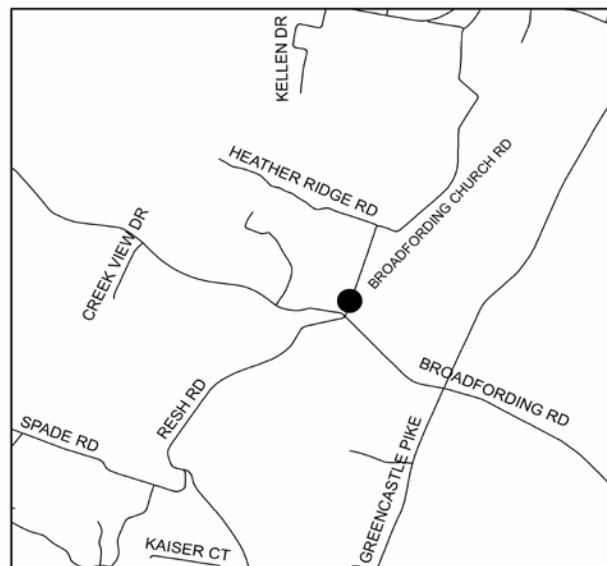
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	113,000	0	0	0	0	113,000	0	0	0
Total Cost	113,000	0	0	0	0	113,000	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	113,000	0	0	0	0	113,000	0	0	0
Total Funding	113,000	0	0	0	0	113,000	0	0	0

Project Title: Broadfording Church Road Culvert**Project Number:** 1244**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

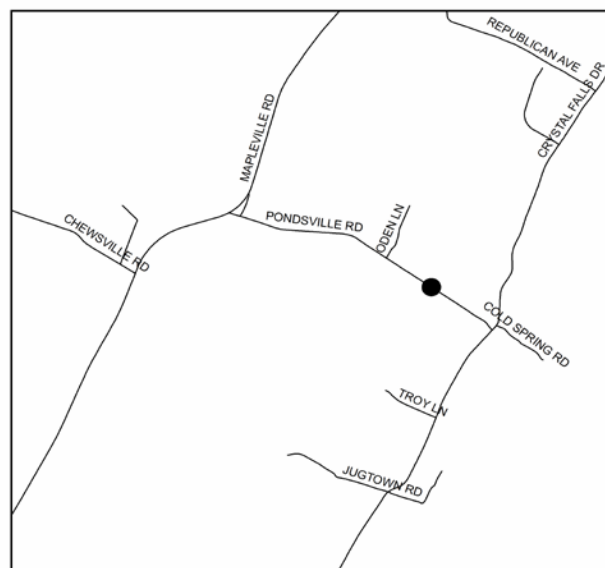
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	5,000	0	0	0	0	5,000	0	0	0
Construction	200,000	0	0	0	0	200,000	0	0	0
Inspection	32,000	0	0	0	0	32,000	0	0	0
Utilities	3,000	0	0	0	0	3,000	0	0	0
Total Cost	240,000	0	0	0	0	240,000	0	0	0

Funding Sources:

Tax Supported Bond	240,000	0	0	0	0	240,000	0	0	0
Total Funding	240,000	0	0	0	0	240,000	0	0	0

Project Title: Pondsville Road Drainage**Project Number:** 1261**Account Number:** DNG075**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project is located on Pondsville Road (ADC Map 23, C-8). The project will replace and provide new concrete drainage inlets and pipes to reduce flooding impacts in this area.

Assumptions & Justifications:

The project is needed to reduce road and property flooding problems.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	10,000	0	10,000	0	0	0	0	0	0
Construction	146,000	0	0	146,000	0	0	0	0	0
Inspection	10,000	0	0	10,000	0	0	0	0	0
Total Cost	166,000	0	10,000	156,000	0	0	0	0	0

Funding Sources:

Tax Supported Bond	156,000	0	0	156,000	0	0	0	0	0
Capital Reserve - General	10,000	0	10,000	0	0	0	0	0	0
Total Funding	166,000	0	10,000	156,000	0	0	0	0	0

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Ten Year Capital Program										
Page	Project	Total	Prior Appr.	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Education										
Board of Education										
102	Relocatable Classrooms	1,160,000	0	0	0	0	0	0	224,000	936,000
103	Capital Maintenance - BOE	53,885,000	9,884,000	3,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	18,001,000
104	E. Russell Hicks Middle School (Reno/Addition)	26,578,000	0	0	0	0	0	0	0	26,578,000
105	Jonathan Hager Elementary School	19,874,000	9,778,000	7,554,000	2,542,000	0	0	0	0	0
106	Sharpsburg Elementary School- Replacement	20,339,000	0	0	0	1,315,000	8,470,000	8,437,000	2,117,000	0
107	Western Heights Middle School Modernization	28,557,000	0	0	0	0	0	0	2,249,000	26,308,000
108	Concepts for High School Capacity	5,767,000	0	0	0	0	0	0	616,000	5,151,000
109	Concepts for Elementary Capacity	3,866,000	0	0	0	0	0	0	0	3,866,000
Board of Education Total		160,026,000	19,662,000	11,054,000	7,042,000	5,815,000	12,970,000	12,937,000	9,706,000	80,840,000
Hagerstown Community College										
112	Campus Operations Building	6,548,000	0	0	0	0	0	0	1,183,000	5,365,000
113	Student Center Expansion	8,241,800	5,942,800	2,299,000	0	0	0	0	0	0
114	Learning Resource Center Renovation	3,010,000	0	3,010,000	0	0	0	0	0	0
115	Police, Fire and Emerg Svcs Training Facility	14,239,000	0	0	710,000	9,114,000	4,415,000	0	0	0
116	Central Utility Plant Upgrade	3,411,500	68,000	3,343,500	0	0	0	0	0	0
117	Teacher Education Center	2,765,000	0	0	0	0	0	0	0	2,765,000
118	Advanced Technology Center Renovation	791,000	0	791,000	0	0	0	0	0	0
119	ARCC Air Conditioning	2,415,000	0	0	0	0	0	178,000	2,237,000	0
120	Campus Road & Parking lot overlays	2,443,000	0	0	0	0	0	0	0	2,443,000
Hagerstown Community College Total		43,864,300	6,010,800	9,443,500	710,000	9,114,000	4,415,000	178,000	3,420,000	10,573,000
Public Libraries										
122	Hancock Public Library Replacement	3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000
Public Libraries Total		3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000
Education Total		207,774,300	25,929,800	20,507,500	7,762,000	14,939,000	17,395,000	13,125,000	13,216,000	94,900,000
Funding Sources										
	General Fund	3,782,100	1,818,100	1,800,000	0	0	0	0	0	164,000
	Tax Supported Bond	55,289,200	4,799,200	3,506,000	1,420,000	3,371,000	4,127,000	2,824,000	3,866,000	31,376,000
	Transfer Tax	19,100	19,100	0	0	0	0	0	0	0
	Excise Tax - Schools	4,334,400	484,400	385,000	385,000	385,000	385,000	385,000	385,000	1,540,000
	Excise Tax - Library	89,900	13,900	10,000	10,000	10,000	10,000	10,000	6,000	20,000
	Excise Tax - Non-Residential	500,000	0	50,000	50,000	50,000	50,000	50,000	50,000	200,000
	Capital Reserve - General	1,401,500	1,401,500	0	0	0	0	0	0	0
	State Grant	137,782,100	15,587,600	13,236,500	5,897,000	10,573,000	12,823,000	9,856,000	8,885,000	60,924,000
	Contributions	4,576,000	1,806,000	1,520,000	0	550,000	0	0	24,000	676,000
		207,774,300	25,929,800	20,507,500	7,762,000	14,939,000	17,395,000	13,125,000	13,216,000	94,900,000

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Board of Education										
102	Relocatable Classrooms	1,160,000	0	0	0	0	0	0	224,000	936,000
103	Capital Maintenance - BOE	53,885,000	9,884,000	3,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	18,001,000
104	E. Russell Hicks Middle School (Reno/Addition)	26,578,000	0	0	0	0	0	0	0	26,578,000
105	Jonathan Hager Elementary School	19,874,000	9,778,000	7,554,000	2,542,000	0	0	0	0	0
106	Sharpsburg Elementary School- Replacement	20,339,000	0	0	0	1,315,000	8,470,000	8,437,000	2,117,000	0
107	Western Heights Middle School Modernization	28,557,000	0	0	0	0	0	0	2,249,000	26,308,000
108	Concepts for High School Capacity	5,767,000	0	0	0	0	0	0	616,000	5,151,000
109	Concepts for Elementary Capacity	3,866,000	0	0	0	0	0	0	0	3,866,000
Board of Education Total		160,026,000	19,662,000	11,054,000	7,042,000	5,815,000	12,970,000	12,937,000	9,706,000	80,840,000
Funding Sources										
	General Fund	3,709,000	1,750,000	1,800,000	0	0	0	0	0	159,000
	Tax Supported Bond	39,190,100	3,033,100	503,000	1,332,000	638,000	2,613,000	2,749,000	2,453,000	25,869,000
	Excise Tax - Schools	4,334,400	484,400	385,000	385,000	385,000	385,000	385,000	385,000	1,540,000
	Excise Tax - Non-Residential	500,000	0	50,000	50,000	50,000	50,000	50,000	50,000	200,000
	Capital Reserve - General	1,401,500	1,401,500	0	0	0	0	0	0	0
	State Grant	110,891,000	12,993,000	8,316,000	5,275,000	4,742,000	9,922,000	9,753,000	6,818,000	53,072,000
		160,026,000	19,662,000	11,054,000	7,042,000	5,815,000	12,970,000	12,937,000	9,706,000	80,840,000

Project Title: Relocatable Classrooms**Project Number: 80****Account Number: SCH008****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,160,000	0	0	0	0	0	0	224,000	936,000
Total Cost	1,160,000	0	0	0	0	0	0	224,000	936,000

Funding Sources:

General Fund	159,000	0	0	0	0	0	0	0	159,000
Tax Supported Bond	1,001,000	0	0	0	0	0	0	224,000	777,000
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Schools	0	0	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	1,160,000	0	0	0	0	0	0	224,000	936,000

Project Title: Capital Maintenance - BOE**Project Number: 81****Account Number: SCH006****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Architect Fees	0	0	0	0	0	0	0	0	0
Construction	53,884,900	9,883,900	3,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	18,001,000
Equipment/Furniture	100	100	0	0	0	0	0	0	0
Total Cost	53,885,000	9,884,000	3,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	18,001,000

Funding Sources:

General Fund	1,750,000	1,750,000	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	1,250,000	1,250,000	0	0	0	0	0	0	0
Federal Grant	0	0	0	0	0	0	0	0	0
State Grant	50,885,000	6,884,000	3,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	18,001,000
Total Funding	53,885,000	9,884,000	3,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	18,001,000

Project Title: E. Russell Hicks Middle School (Reno/Addition)

Project Number: 255

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$5,000



Description:

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

Assumptions & Justifications:

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

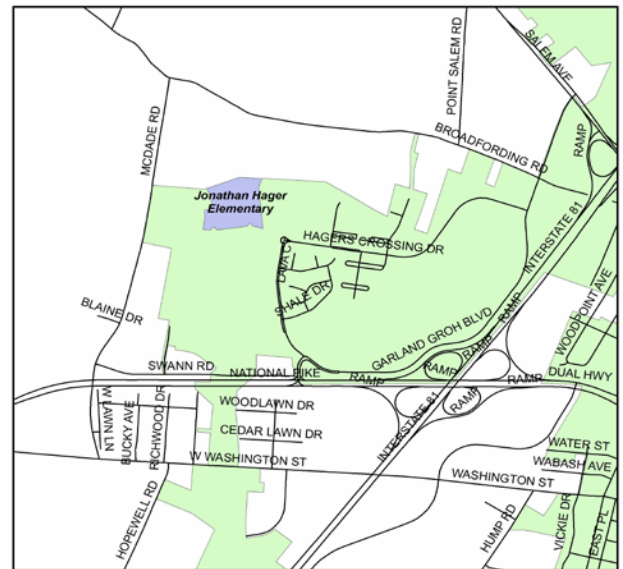
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	2,435,000	0	0	0	0	0	0	0	2,435,000
Construction	22,304,000	0	0	0	0	0	0	0	22,304,000
Equipment/Furniture	1,839,000	0	0	0	0	0	0	0	1,839,000
Total Cost	26,578,000	0	0	0	0	0	0	0	26,578,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	10,966,000	0	0	0	0	0	0	0	10,966,000
Excise Tax - Schools	0	0	0	0	0	0	0	0	0
State Grant	15,612,000	0	0	0	0	0	0	0	15,612,000
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	26,578,000	0	0	0	0	0	0	0	26,578,000

Project Title: Jonathan Hager Elementary School**Project Number: 950****Account Number: SCH032****Projected Annual FTE's: 0****Projected Operating Costs: \$5,000****Description:**

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

Assumptions & Justifications:

The cost of land is not included in this budget

Assumes 70% state reimbursement on construction

Assumes 100% local share on engineering, design, furniture

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

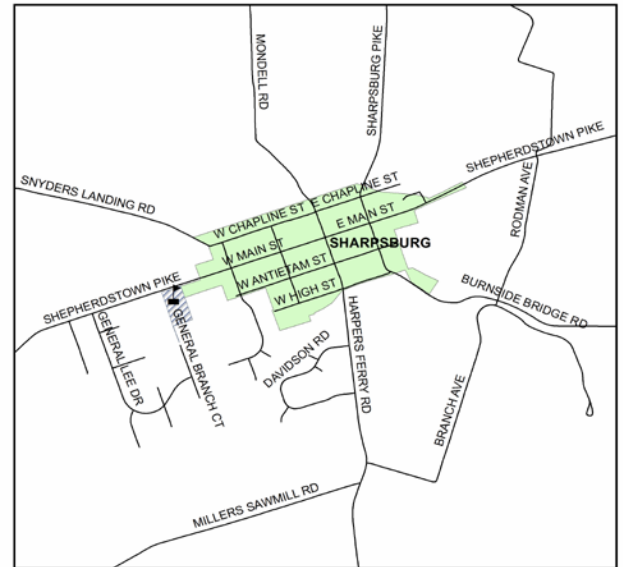
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	1,206,000	1,104,000	102,000	0	0	0	0	0	0
Construction	17,619,000	8,674,000	7,027,000	1,918,000	0	0	0	0	0
Equipment/Furniture	1,049,000	0	425,000	624,000	0	0	0	0	0
Total Cost	19,874,000	9,778,000	7,554,000	2,542,000	0	0	0	0	0

Funding Sources:

General Fund	1,800,000	0	1,800,000	0	0	0	0	0	0
Tax Supported Bond	4,868,100	3,033,100	503,000	1,332,000	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Schools	1,254,400	484,400	385,000	385,000	0	0	0	0	0
Excise Tax - Non-Residential	100,000	0	50,000	50,000	0	0	0	0	0
Capital Reserve - General	151,500	151,500	0	0	0	0	0	0	0
State Grant	11,700,000	6,109,000	4,816,000	775,000	0	0	0	0	0
Total Funding	19,874,000	9,778,000	7,554,000	2,542,000	0	0	0	0	0

Project Title: Sharpsburg Elementary School- Replacement**Project Number:** 1114**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$5,000**Description:**

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

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Architect Fees	1,694,000	0	0	0	954,000	378,000	179,000	183,000	0
Construction	17,667,000	0	0	0	361,000	8,092,000	7,840,000	1,374,000	0
Equipment/Furniture	978,000	0	0	0	0	0	418,000	560,000	0
Total Cost	20,339,000	0	0	0	1,315,000	8,470,000	8,437,000	2,117,000	0

Funding Sources:

Tax Supported Bond	6,761,000	0	0	0	638,000	2,613,000	2,749,000	761,000	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Schools	1,540,000	0	0	0	385,000	385,000	385,000	385,000	0
Excise Tax - Non-Residential	200,000	0	0	0	50,000	50,000	50,000	50,000	0
State Grant	11,838,000	0	0	0	242,000	5,422,000	5,253,000	921,000	0
Total Funding	20,339,000	0	0	0	1,315,000	8,470,000	8,437,000	2,117,000	0

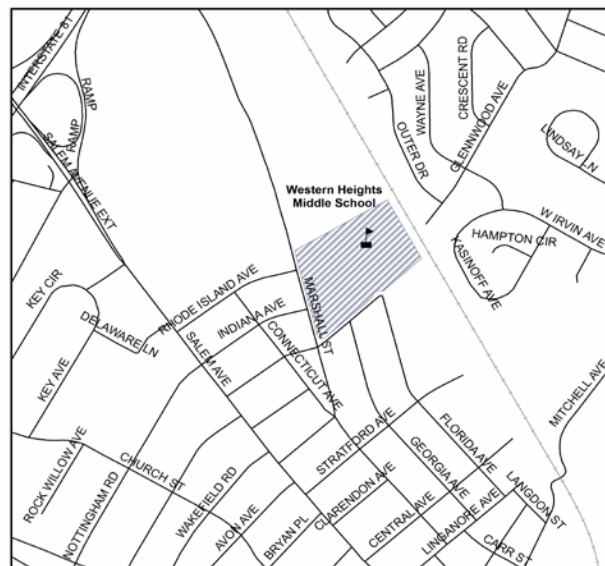
Project Title: Western Heights Middle School Modernization

Project Number: 1227

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$5,000



Description:

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

Assumptions & Justifications:

The school is aging and in need of modernization.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Architect Fees	2,167,000	0	0	0	0	0	0	582,000	1,585,000
Construction	24,978,000	0	0	0	0	0	0	1,667,000	23,311,000
Equipment/Furniture	1,412,000	0	0	0	0	0	0	0	1,412,000
Total Cost	28,557,000	0	0	0	0	0	0	2,249,000	26,308,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	11,821,000	0	0	0	0	0	0	1,132,000	10,689,000
Excise Tax - Schools	0	0	0	0	0	0	0	0	0
State Grant	16,736,000	0	0	0	0	0	0	1,117,000	15,619,000
Total Funding	28,557,000	0	0	0	0	0	0	2,249,000	26,308,000

Project Title: Concepts for High School Capacity**Project Number: 1252****Account Number:****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

Assumes State funding match at 50% of construction expenditures.

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Architect Fees	524,000	0	0	0	0	0	0	56,000	468,000
Construction	5,243,000	0	0	0	0	0	0	560,000	4,683,000
Total Cost	5,767,000	0	0	0	0	0	0	616,000	5,151,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,407,000	0	0	0	0	0	0	336,000	1,071,000
Excise Tax - Schools	1,540,000	0	0	0	0	0	0	0	1,540,000
Excise Tax - Non-Residential	200,000	0	0	0	0	0	0	0	200,000
State Grant	2,620,000	0	0	0	0	0	0	280,000	2,340,000
Total Funding	5,767,000	0	0	0	0	0	0	616,000	5,151,000

Project Title: Concepts for Elementary Capacity

Project Number: 1253

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Architect Fees	296,000	0	0	0	0	0	0	0	296,000
Construction	3,570,000	0	0	0	0	0	0	0	3,570,000
Total Cost	3,866,000	0	0	0	0	0	0	0	3,866,000

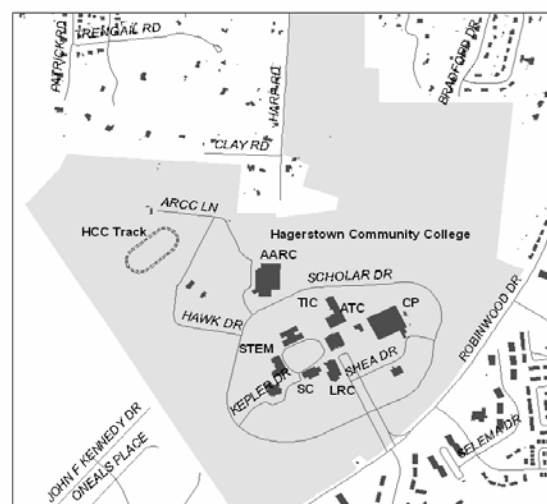
Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	2,366,000	0	0	0	0	0	0	0	2,366,000
State Grant	1,500,000	0	0	0	0	0	0	0	1,500,000
Total Funding	3,866,000	0	0	0	0	0	0	0	3,866,000

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
<u>Hagerstown Community College</u>										
112	Campus Operations Building	6,548,000	0	0	0	0	0	0	1,183,000	5,365,000
113	Student Center Expansion	8,241,800	5,942,800	2,299,000	0	0	0	0	0	0
114	Learning Resource Center Renovation	3,010,000	0	3,010,000	0	0	0	0	0	0
115	Police, Fire and Emerg Svcs Training Facility	14,239,000	0	0	710,000	9,114,000	4,415,000	0	0	0
116	Central Utility Plant Upgrade	3,411,500	68,000	3,343,500	0	0	0	0	0	0
117	Teacher Education Center	2,765,000	0	0	0	0	0	0	0	2,765,000
118	Advanced Technology Center Renovation	791,000	0	791,000	0	0	0	0	0	0
119	ARCC Air Conditioning	2,415,000	0	0	0	0	0	178,000	2,237,000	0
120	Campus Road & Parking lot overlays	2,443,000	0	0	0	0	0	0	0	2,443,000
Hagerstown Community College Total		43,864,300	6,010,800	9,443,500	710,000	9,114,000	4,415,000	178,000	3,420,000	10,573,000
Funding Sources										
	Tax Supported Bond	14,853,100	1,766,100	3,003,000	88,000	2,733,000	1,514,000	75,000	1,413,000	4,261,000
	Transfer Tax	19,100	19,100	0	0	0	0	0	0	0
	State Grant	25,116,100	2,419,600	4,920,500	622,000	5,831,000	2,901,000	103,000	2,007,000	6,312,000
	Contributions	3,876,000	1,806,000	1,520,000	0	550,000	0	0	0	0
		43,864,300	6,010,800	9,443,500	710,000	9,114,000	4,415,000	178,000	3,420,000	10,573,000

Project Title: Campus Operations Building**Project Number: 94****Account Number:****Projected Annual FTE's: 2****Projected Operating Costs: \$119,000****Description:**

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

Assumptions & Justifications:

State Share approximately 65%

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

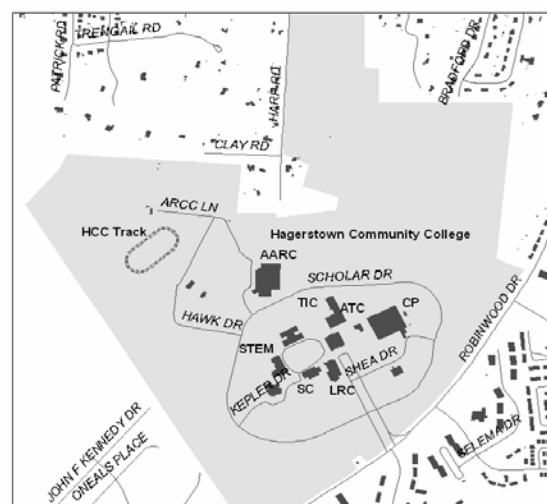
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	399,000	0	0	0	0	0	0	399,000	0
Construction	5,776,000	0	0	0	0	0	0	784,000	4,992,000
Equipment/Furniture	373,000	0	0	0	0	0	0	0	373,000
Total Cost	6,548,000	0	0	0	0	0	0	1,183,000	5,365,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	2,668,000	0	0	0	0	0	0	474,000	2,194,000
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	3,880,000	0	0	0	0	0	0	709,000	3,171,000
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	6,548,000	0	0	0	0	0	0	1,183,000	5,365,000

Project Title: Student Center Expansion**Project Number:** 95**Account Number:** COL019**Projected Annual FTE's:** 2**Projected Operating Costs:** \$89,000**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 & HCC Contributions: 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	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	0	0	0	0	0	0	0	0	0
Architect Fees	855,800	855,800	0	0	0	0	0	0	0
Construction	6,289,000	5,087,000	1,202,000	0	0	0	0	0	0
Equipment/Furniture	1,097,000	0	1,097,000	0	0	0	0	0	0
Total Cost	8,241,800	5,942,800	2,299,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	3,181,100	1,698,100	1,483,000	0	0	0	0	0	0
Transfer Tax	19,100	19,100	0	0	0	0	0	0	0
State Grant	2,853,600	2,419,600	434,000	0	0	0	0	0	0
Contributions	2,188,000	1,806,000	382,000	0	0	0	0	0	0
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	8,241,800	5,942,800	2,299,000	0	0	0	0	0	0

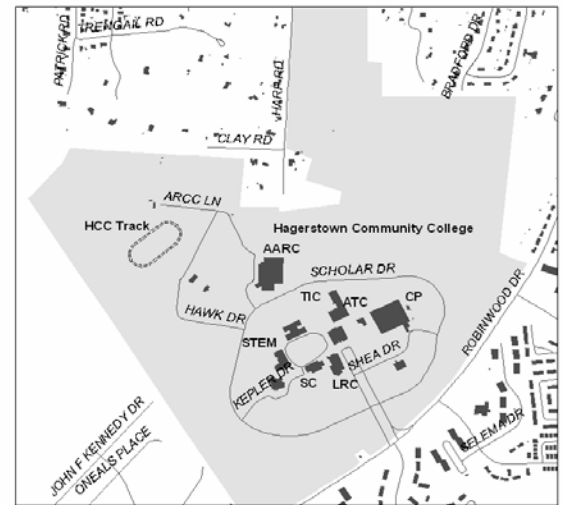
Project Title: Learning Resource Center Renovation

Project Number: 96

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



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. In addition, some of the space will be dedicated to Middle College students (fulltime dual enrolled high school students) so that they have a home base and so that they can be more closely monitored due to their age.

Assumptions & Justifications:

Total project cost funding:

State: approximately 63%

No County funds budgeted

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	0	0	0	0	0	0	0	0	0
Architect Fees	0	0	0	0	0	0	0	0	0
Construction	1,896,000	0	1,896,000	0	0	0	0	0	0
Equipment/Furniture	1,114,000	0	1,114,000	0	0	0	0	0	0
Total Cost	3,010,000	0	3,010,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
State Grant	1,872,000	0	1,872,000	0	0	0	0	0	0
Contributions	1,138,000	0	1,138,000	0	0	0	0	0	0
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	3,010,000	0	3,010,000	0	0	0	0	0	0

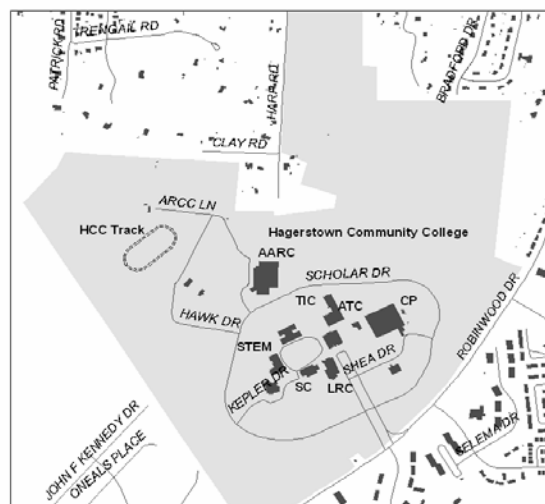
Project Title: Police, Fire and Emerg Svcs Training

Project Number: 955

Account Number:

Projected Annual FTE's: 6

Projected Operating Costs: \$666,000



Description:

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

This building will be constructed in 2 phases.

Assumptions & Justifications:

Estimated funding:

State Funding approximately 65%

County Funding approximately 35%

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

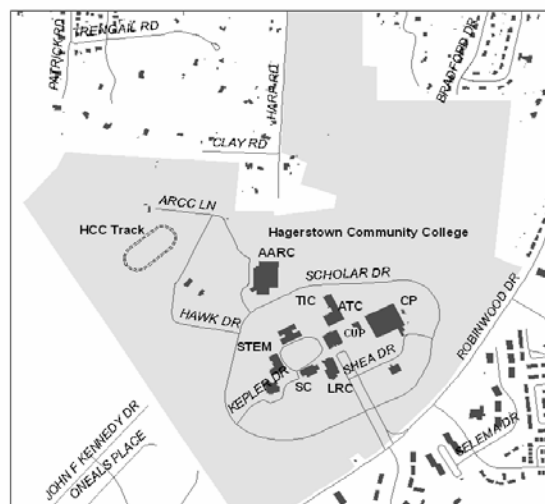
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	951,000	0	0	710,000	241,000	0	0	0	0
Construction	11,888,000	0	0	0	8,067,000	3,821,000	0	0	0
Equipment/Furniture	1,400,000	0	0	0	806,000	594,000	0	0	0
Total Cost	14,239,000	0	0	710,000	9,114,000	4,415,000	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	4,335,000	0	0	88,000	2,733,000	1,514,000	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	9,354,000	0	0	622,000	5,831,000	2,901,000	0	0	0
Contributions	550,000	0	0	0	550,000	0	0	0	0
Total Funding	14,239,000	0	0	710,000	9,114,000	4,415,000	0	0	0

Project Title: Central Utility Plant Upgrade**Project Number:** 1217**Account Number:** COL021**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This project will upgrade/expand the Central Utility Plant to provide sufficient heating and cooling capacity to support existing facilities and planned new facilities such as the expanded Student Center and Public Services Training Facility.

We are adding \$178,000 to this project for a replacement chiller that is no longer operational. We received special approval from the State to add this item to the existing project.

Assumptions & Justifications:

State share = 64.5%

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Architect Fees	68,000	68,000	0	0	0	0	0	0	0
Construction	3,343,500	0	3,343,500	0	0	0	0	0	0
Total Cost	3,411,500	68,000	3,343,500	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,287,000	68,000	1,219,000	0	0	0	0	0	0
State Grant	2,124,500	0	2,124,500	0	0	0	0	0	0
Total Funding	3,411,500	68,000	3,343,500	0	0	0	0	0	0

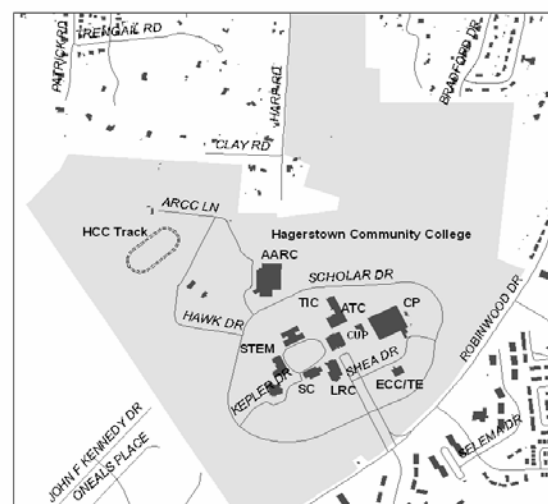
Project Title: Teacher Education Center

Project Number: 1219

Account Number:

Projected Annual FTE's: 1

Projected Operating Costs: \$25,000



Description:

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

This project is being pushed out further on the CIP timeline, as there are more pressing CIP needs at this time.

Assumptions & Justifications:

State Share approximately 65%

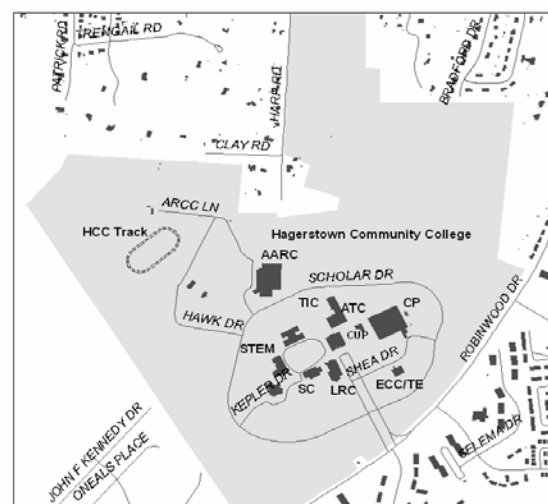
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Architect Fees	231,000	0	0	0	0	0	0	0	231,000
Construction	1,855,000	0	0	0	0	0	0	0	1,855,000
Equipment/Furniture	679,000	0	0	0	0	0	0	0	679,000
Total Cost	2,765,000	0	0	0	0	0	0	0	2,765,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	968,000	0	0	0	0	0	0	0	968,000
State Grant	1,797,000	0	0	0	0	0	0	0	1,797,000
Total Funding	2,765,000	0	0	0	0	0	0	0	2,765,000

Project Title: Advanced Technology Center Renovation**Project Number:** 1262**Account Number:** COL022**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The 2nd floor of HCC's Advanced Technology Center has been designated as the main location for a new program in Advanced Manufacturing. The curriculum for this program addresses the stated needs of local manufacturers such as Volvo Powertrain by preparing potential employees to configure, operate and troubleshoot advanced manufacturing equipment. Students can earn certificates in Industrial Technology and Basic Electronics, as well as an Associate's degree in Advanced Manufacturing.

Two classrooms will be renovated to become an electronics lab and a robotics lab to provide space for students to become familiar with equipment from basic electronics circuits to custom-made, advanced manufacturing trainers. The 2 classroom spaces will support at least 6 courses in the Advanced Manufacturing program, as well as 2 to 3 courses in the Mechanical Engineering Technology program. Faculty offices will be adjacent to support the community of learners in these programs.

Assumptions & Justifications:

State Share approximately 60%.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	77,000	0	77,000	0	0	0	0	0	0
Construction	663,000	0	663,000	0	0	0	0	0	0
Equipment/Furniture	51,000	0	51,000	0	0	0	0	0	0
Total Cost	791,000	0	791,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	301,000	0	301,000	0	0	0	0	0	0
State Grant	490,000	0	490,000	0	0	0	0	0	0
Total Funding	791,000	0	791,000	0	0	0	0	0	0

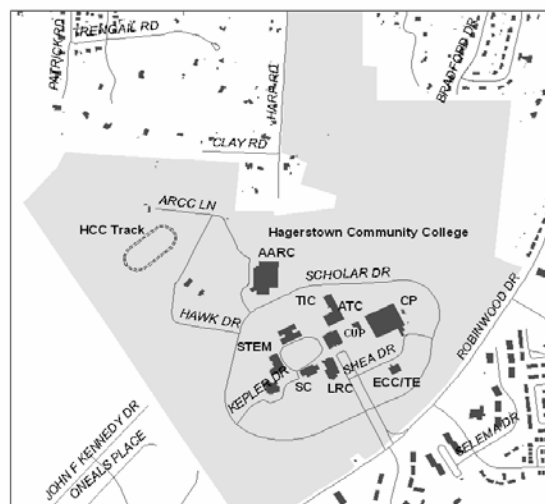
Project Title: ARCC Air Conditioning

Project Number: 1267

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The ARCC (Athletic Recreation & Community Center) is the largest indoor gathering spot in Washington County. The current ARCC arena space (65,367 NSF) is currently not air conditioned and thus during hot summer months the space is virtually unusable. Air conditioning of the arena space will allow for use of the space in summer for both athletic training and events, as well as other College and community events (including WCPS graduation ceremonies and summer kids programs).

Assumptions & Justifications:

State Share approximately 60%.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	178,000	0	0	0	0	0	178,000	0	0
Construction	2,237,000	0	0	0	0	0	0	2,237,000	0
Total Cost	2,415,000	0	0	0	0	0	178,000	2,237,000	0

Funding Sources:

Tax Supported Bond	1,014,000	0	0	0	0	0	75,000	939,000	0
State Grant	1,401,000	0	0	0	0	0	103,000	1,298,000	0
Total Funding	2,415,000	0	0	0	0	0	178,000	2,237,000	0

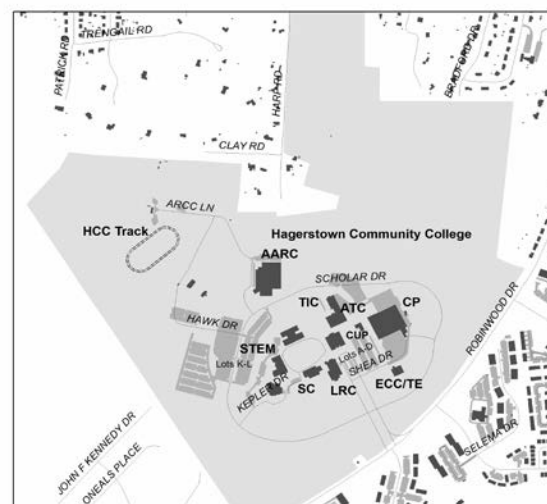
Project Title: Campus Road & Parking lot overlays

Project Number: 1268

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The roads and parking lots around campus are showing signs of deterioration due to high traffic volumes, construction vehicles, and snow removal. The project will consist of resurfacing the roads around campus and the parking lots. The roads included in this project are Loop Road, Hawk Drive, Quad, and Kepler Drive. Some of these roads will require a fill rebuild. Parking lots in this project that need to be resurfaced are lots A, B, C, D, L, and K.

Assumptions & Justifications:

State Share approximately 60%.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	341,000	0	0	0	0	0	0	0	341,000
Construction	2,102,000	0	0	0	0	0	0	0	2,102,000
Total Cost	2,443,000	0	0	0	0	0	0	0	2,443,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,099,000	0	0	0	0	0	0	0	1,099,000
State Grant	1,344,000	0	0	0	0	0	0	0	1,344,000
Total Funding	2,443,000	0	0	0	0	0	0	0	2,443,000

Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Public Libraries										
122	Hancock Public Library Replacement	3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000
	Public Libraries Total	3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000
Funding Sources										
	General Fund	73,100	68,100	0	0	0	0	0	0	5,000
	Tax Supported Bond	1,246,000	0	0	0	0	0	0	0	1,246,000
	Excise Tax - Library	89,900	13,900	10,000	10,000	10,000	10,000	10,000	6,000	20,000
	State Grant	1,775,000	175,000	0	0	0	0	0	60,000	1,540,000
	Contributions	700,000	0	0	0	0	0	0	24,000	676,000
		3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000

Project Title: Hancock Public Library Replacement**Project Number: 1120****Account Number: BLD077****Projected Annual FTE's: 1.5****Projected Operating Costs: \$56,000****Description:**

This project includes the construction of a new public library in the town of Hancock. The project will include enhancements to the proposed site including parking and stormwater management facility.

Assumptions & Justifications:

Funding includes Town of Hancock, County, and State to cover project costs. Property is to be donated to the County as required by the state grant. The project will involve coordination with the State Highway Administration regarding site access. The estimated population served by the proposed facility is 4,358.

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	397,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	0
Construction	2,758,000	0	0	0	0	0	0	0	2,758,000
Inspection	207,000	0	0	0	0	0	0	0	207,000
Equipment/Furniture	348,000	0	0	0	0	0	0	0	348,000
Utilities	174,000	0	0	0	0	0	0	0	174,000
Total Cost	3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000

Funding Sources:

General Fund	73,100	68,100	0	0	0	0	0	0	5,000
Tax Supported Bond	1,246,000	0	0	0	0	0	0	0	1,246,000
Excise Tax - Library	89,900	13,900	10,000	10,000	10,000	10,000	10,000	6,000	20,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	1,775,000	175,000	0	0	0	0	0	60,000	1,540,000
Contributions	700,000	0	0	0	0	0	0	24,000	676,000
Total Funding	3,884,000	257,000	10,000	10,000	10,000	10,000	10,000	90,000	3,487,000

Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

		Ten Year Capital Program								
Page	Project	Total	Prior Appr.	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
General Government										
124	Bond Issuance Costs	1,112,499	103,499	97,000	98,000	99,000	99,000	100,000	102,000	414,000
125	Financial System Management & Upgrades	927,333	559,333	102,000	31,000	32,000	32,000	33,000	34,000	104,000
126	General - Equipment and Vehicle Replacement Program	2,245,489	244,489	200,000	200,000	200,000	200,000	200,000	200,000	801,000
127	Systemic Improvements-Buildings	2,366,000	365,000	200,000	200,000	200,000	200,000	200,000	200,000	801,000
128	County Admin Bldg Renovations	4,422,100	3,940,100	482,000	0	0	0	0	0	0
129	Information Systems Replacement Program	2,111,885	156,885	153,000	156,000	159,000	173,000	187,000	202,000	925,000
130	Broadband Wireless Network Infrastructure	180,520	71,520	36,000	36,000	37,000	0	0	0	0
131	Tree Forestation	158,000	40,000	0	21,000	0	22,000	0	22,000	53,000
General Government Total		13,523,826	5,480,826	1,270,000	742,000	727,000	726,000	720,000	760,000	3,098,000
Funding Sources										
	General Fund	6,336,604	475,604	0	644,000	628,000	627,000	620,000	658,000	2,684,000
	Tax Supported Bond	3,016,100	1,525,100	579,000	98,000	99,000	99,000	100,000	102,000	414,000
	Capital Reserve - General	3,592,122	2,901,122	691,000	0	0	0	0	0	0
	Federal Grant	579,000	579,000	0	0	0	0	0	0	0
		13,523,826	5,480,826	1,270,000	742,000	727,000	726,000	720,000	760,000	3,098,000

Project Title: Bond Issuance Costs**Project Number: 2****Account Number: ADM001****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

Bond issuance is required to finance the capital improvement plan.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Bond Issuance Expense	1,112,499	103,499	97,000	98,000	99,000	99,000	100,000	102,000	414,000
Other	0	0	0	0	0	0	0	0	0
Total Cost	1,112,499	103,499	97,000	98,000	99,000	99,000	100,000	102,000	414,000

Funding Sources:

General Fund	5,499	5,499	0	0	0	0	0	0	0
Tax Supported Bond	1,107,000	98,000	97,000	98,000	99,000	99,000	100,000	102,000	414,000
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	1,112,499	103,499	97,000	98,000	99,000	99,000	100,000	102,000	414,000

Project Title: Financial System Management & Upgrades

Project Number: 969

Account Number: COM019

Projected Annual FTE's: 0

Projected Operating Costs: \$10,000

Description:

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

Assumptions & Justifications:

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

Includes an upgrade for position management to ensure proper management of employees and positions.

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Hardware/Software	927,333	559,333	102,000	31,000	32,000	32,000	33,000	34,000	104,000
Total Cost	927,333	559,333	102,000	31,000	32,000	32,000	33,000	34,000	104,000

Funding Sources:

General Fund	592,500	326,500	0	31,000	32,000	32,000	33,000	34,000	104,000
Capital Reserve - General	334,833	232,833	102,000	0	0	0	0	0	0
Total Funding	927,333	559,333	102,000	31,000	32,000	32,000	33,000	34,000	104,000

Project Title: General - Equipment and Vehicle Replacement Program

Project Number: 1174

Account Number: VEH008

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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

Assumptions & Justifications:

Wireless Communications - 11540 - Van - \$21,000

Construction - 11630 - 4 Mid-size/Compact 4x4 SUV - \$23,500 each

Parks & Facilities - 11900 - 3/4 Ton Pickup with Plow - \$29,000

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.

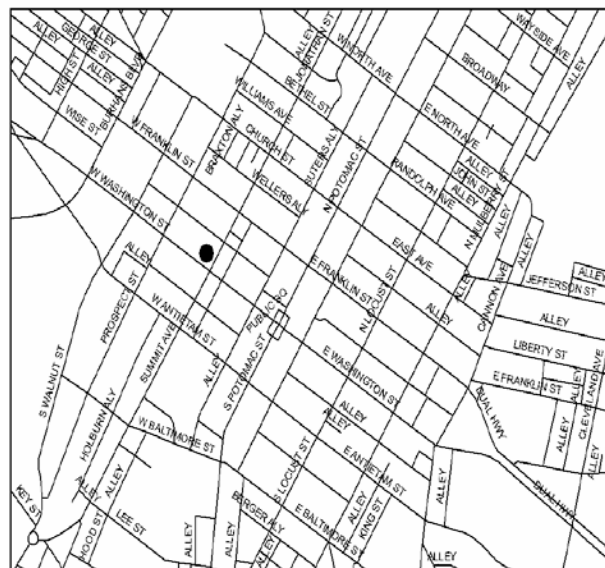
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	12,500	12,500	0	0	0	0	0	0	0
Vehicles	2,232,989	231,989	200,000	200,000	200,000	200,000	200,000	200,000	801,000
Total Cost	2,245,489	244,489	200,000	200,000	200,000	200,000	200,000	200,000	801,000

Funding Sources:

General Fund	1,805,300	4,300	0	200,000	200,000	200,000	200,000	200,000	801,000
Capital Reserve - General	440,189	240,189	200,000	0	0	0	0	0	0
Total Funding	2,245,489	244,489	200,000	200,000	200,000	200,000	200,000	200,000	801,000

Project Title: Systemic Improvements-Buildings**Project Number: 1148****Account Number: BLD078****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

Pending general fund monies availability

Renovations are required to maintain the functionality of the buildings.

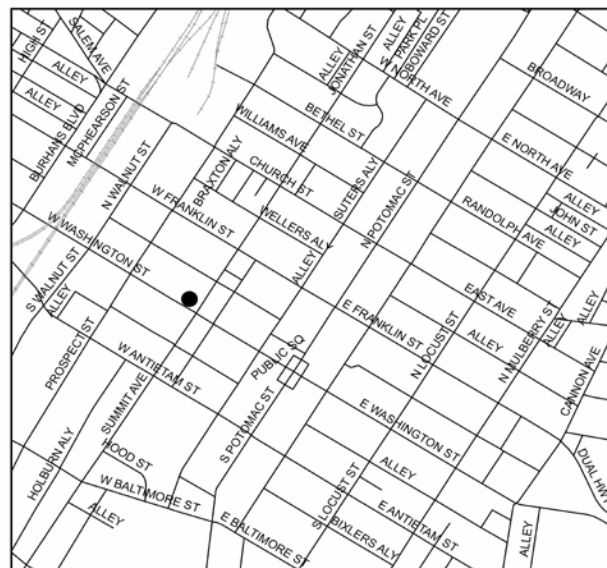
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	2,366,000	365,000	200,000	200,000	200,000	200,000	200,000	200,000	801,000
Total Cost	2,366,000	365,000	200,000	200,000	200,000	200,000	200,000	200,000	801,000

Funding Sources:

General Fund	1,810,900	9,900	0	200,000	200,000	200,000	200,000	200,000	801,000
Tax Supported Bond	111,100	111,100	0	0	0	0	0	0	0
Capital Reserve - General	444,000	244,000	200,000	0	0	0	0	0	0
Total Funding	2,366,000	365,000	200,000	200,000	200,000	200,000	200,000	200,000	801,000

Project Title: County Admin Bldg Renovations**Project Number:** 1164**Account Number:** BLD070**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	248,000	248,000	0	0	0	0	0	0	0
Construction	3,580,000	3,098,000	482,000	0	0	0	0	0	0
Inspection	100,800	100,800	0	0	0	0	0	0	0
Equipment/Furniture	493,300	493,300	0	0	0	0	0	0	0
Total Cost	4,422,100	3,940,100	482,000	0	0	0	0	0	0

Funding Sources:

General Fund	20,000	20,000	0	0	0	0	0	0	0
Tax Supported Bond	1,798,000	1,316,000	482,000	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	2,025,100	2,025,100	0	0	0	0	0	0	0
Federal Grant	579,000	579,000	0	0	0	0	0	0	0
Total Funding	4,422,100	3,940,100	482,000	0	0	0	0	0	0

Project Title: Information Systems Replacement**Project Number: 3****Account Number: COM011****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Hardware/Software	2,111,885	156,885	153,000	156,000	159,000	173,000	187,000	202,000	925,000
Other	0	0	0	0	0	0	0	0	0
Total Cost	2,111,885	156,885	153,000	156,000	159,000	173,000	187,000	202,000	925,000

Funding Sources:

General Fund	1,808,885	6,885	0	156,000	159,000	173,000	187,000	202,000	925,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	303,000	150,000	153,000	0	0	0	0	0	0
Utility Fund	0	0	0	0	0	0	0	0	0
Total Funding	2,111,885	156,885	153,000	156,000	159,000	173,000	187,000	202,000	925,000

Project Title: Broadband Wireless Network Infrastructure**Project Number: 984****Account Number: COM021****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	71,520	71,520	0	0	0	0	0	0	0
Hardware/Software	109,000	0	36,000	36,000	37,000	0	0	0	0
Total Cost	180,520	71,520	36,000	36,000	37,000	0	0	0	0

Funding Sources:

General Fund	135,520	62,520	0	36,000	37,000	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	45,000	9,000	36,000	0	0	0	0	0	0
Total Funding	180,520	71,520	36,000	36,000	37,000	0	0	0	0

Project Title: Tree Forestation**Project Number: 1126****Account Number: LDI043****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	158,000	40,000	0	21,000	0	22,000	0	22,000	53,000
Total Cost	158,000	40,000	0	21,000	0	22,000	0	22,000	53,000

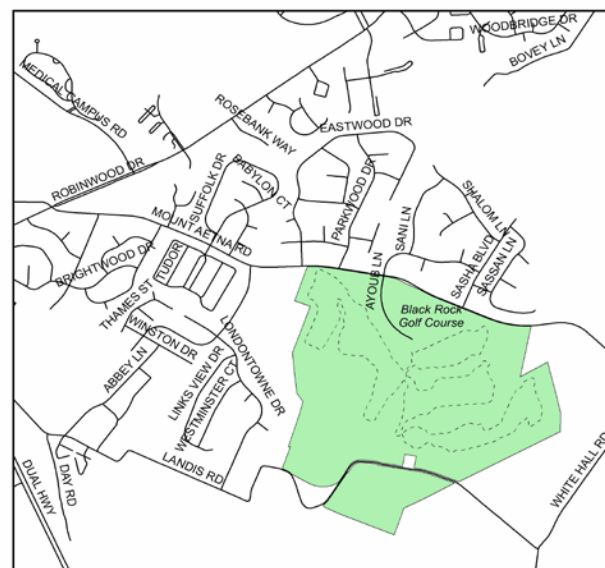
Funding Sources:

General Fund	158,000	40,000	0	21,000	0	22,000	0	22,000	53,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Total Funding	158,000	40,000	0	21,000	0	22,000	0	22,000	53,000

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
<u>Parks & Recreation</u>										
134	BR Capital Equipment Replacement Program	830,481	327,481	51,000	0	53,000	54,000	55,000	56,000	234,000
135	North Central County Park	48,000	0	0	0	0	0	0	0	48,000
136	Regional Park Equip. Replacement	61,000	0	61,000	0	0	0	0	0	0
137	Chestnut Grove Park, Overlay Parking lot	43,000	0	0	0	0	43,000	0	0	0
138	Park Land Acquisition	304,000	202,000	102,000	0	0	0	0	0	0
139	Tennis Courts, Resurfacing	165,000	60,000	41,000	21,000	21,000	22,000	0	0	0
Parks & Recreation Total		1,451,481	589,481	255,000	21,000	74,000	119,000	55,000	56,000	282,000
Funding Sources										
	General Fund	642,431	130,431	0	2,000	54,000	63,000	55,000	56,000	282,000
	Excise Tax - Other	15,000	15,000	0	0	0	0	0	0	0
	Capital Reserve - General	71,000	0	71,000	0	0	0	0	0	0
	State Grant	678,050	399,050	184,000	19,000	20,000	56,000	0	0	0
	Contributions	100,000	100,000	0	0	0	0	0	0	0
		1,451,481	589,481	255,000	21,000	74,000	119,000	55,000	56,000	282,000

Project Title: BR Capital Equipment Replacement Program**Project Number: 935****Account Number: EQP053****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

The program allows for the purchase of replacement equipment used for services directly related to Black Rock Golf Course.

Assumptions & Justifications:

FY2016 Equipment replacement:

1- 2003 Toro Green Master3100 Mowers w/ Grooming Attachment

1- 2003 Toro Green Master 3100 Mower

The current equipment has accumulated 2149 hrs and 1,600 hrs respectively.

The goal of the replacement program is to balance replacement costs versus maintenance costs. In line with the objectives of a well-managed organization, Black Rock Golf Course strives to establish an equipment replacement program that will set the equipment replacement cycle in line with best practices, minimizing maintenance costs.

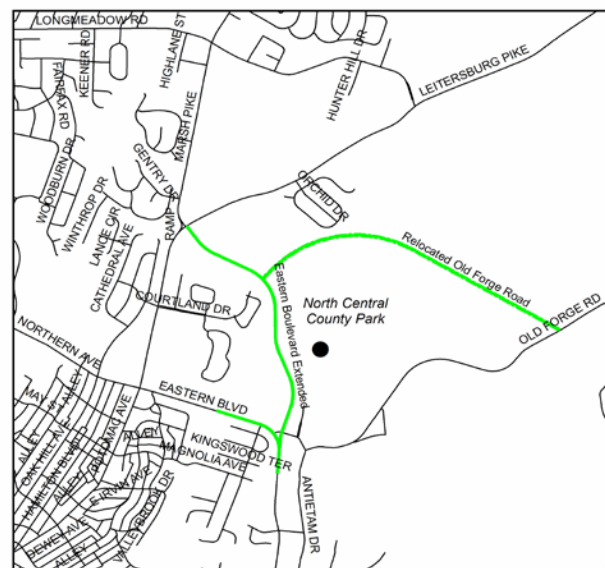
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	227,481	227,481	0	0	0	0	0	0	0
Equipment/Furniture	503,000	0	51,000	0	53,000	54,000	55,000	56,000	234,000
Vehicles	100,000	100,000	0	0	0	0	0	0	0
Total Cost	830,481	327,481	51,000	0	53,000	54,000	55,000	56,000	234,000

Funding Sources:

General Fund	573,681	121,681	0	0	53,000	54,000	55,000	56,000	234,000
Excise Tax - Other	15,000	15,000	0	0	0	0	0	0	0
Capital Reserve - General	51,000	0	51,000	0	0	0	0	0	0
State Grant	190,800	190,800	0	0	0	0	0	0	0
Total Funding	830,481	327,481	51,000	0	53,000	54,000	55,000	56,000	234,000

Project Title: North Central County Park**Project Number:** 1123**Account Number:****Projected Annual FTE's:** 2**Projected Operating Costs:** \$81,000**Description:**

This project involves a 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:

This project assumes that Eastern Blvd Extended (Project 21) is completed.

This project provides additional recreational opportunities in the north end of the County. The land is currently under lease for a 99 year period.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	0	0	0	0	0	0	0	0	0
Construction	48,000	0	0	0	0	0	0	0	48,000
Inspection	0	0	0	0	0	0	0	0	0
Total Cost	48,000	0	0	0	0	0	0	0	48,000

Funding Sources:

General Fund	48,000	0	0	0	0	0	0	0	48,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Excise Tax - Other	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	48,000	0	0	0	0	0	0	0	48,000

Project Title: Regional Park Equip. Replacement**Project Number:** 1149**Account Number:** REC037**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project will replace the existing Modular Playground Structure near Pavilion #2.

Assumptions & Justifications:

Pending POS Funding

The existing Playground structure is over 20 years old and is showing signs of degradation due to weather and usage.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	61,000	0	61,000	0	0	0	0	0	0
Total Cost	61,000	0	61,000	0	0	0	0	0	0

Funding Sources:

Capital Reserve - General	7,000	0	7,000	0	0	0	0	0	0
State Grant	54,000	0	54,000	0	0	0	0	0	0
Total Funding	61,000	0	61,000	0	0	0	0	0	0

Project Title: Chestnut Grove Park, Overlay Parking lot**Project Number:** 1150**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

The existing park entrance and parking lot was built around 1987 which makes the asphalt approximately 28 years old and is showing signs of degradation due to ultra violet effects and weather conditions.

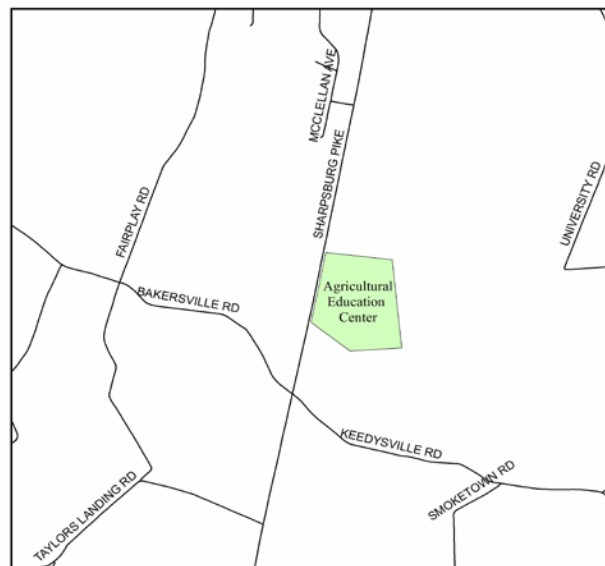
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	43,000	0	0	0	0	43,000	0	0	0
Total Cost	43,000	0	0	0	0	43,000	0	0	0

Funding Sources:

General Fund	7,000	0	0	0	0	7,000	0	0	0
State Grant	36,000	0	0	0	0	36,000	0	0	0
Total Funding	43,000	0	0	0	0	43,000	0	0	0

Project Title: Park Land Acquisition**Project Number:** 1151**Account Number:** REC033**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

John Howard Trust Funds

Due to the increased need for additional park land in the Williamsport, Clear Spring, Smithsburg and Hagerstown areas, we are requesting a project in the CIP to build up enough funds to enable the County to acquire additional lands for park use. Acquisition opportunities normally present themselves on fairly short notice. The County does not specifically target individual properties to negotiate for the sale of the land unless they are known to be willing sellers. With this project, the County can concentrate on negotiating with willing sellers in these areas and reduce the funding burden placed on the citizens. Future POS funding for acquisition will be limited and the County will not be able to "bank" POS funds for future use. The acquisition of 13.86 acres adjoining the Ag Center was finalized in FY 2015, POS funds will reimburse the County for the cost of the acquisition.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	304,000	202,000	102,000	0	0	0	0	0	0
Total Cost	304,000	202,000	102,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Excise Tax - Other	0	0	0	0	0	0	0	0	0
Capital Reserve - General	12,000	0	12,000	0	0	0	0	0	0
State Grant	192,000	102,000	90,000	0	0	0	0	0	0
Contributions	100,000	100,000	0	0	0	0	0	0	0
Total Funding	304,000	202,000	102,000	0	0	0	0	0	0

Project Title: Tennis Courts, Resurfacing**Project Number:** 1177**Account Number:** LDI046**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

Pending POS approvals

The tennis 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	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	165,000	60,000	41,000	21,000	21,000	22,000	0	0	0
Total Cost	165,000	60,000	41,000	21,000	21,000	22,000	0	0	0

Funding Sources:

General Fund	13,750	8,750	0	2,000	1,000	2,000	0	0	0
Capital Reserve - General	1,000	0	1,000	0	0	0	0	0	0
State Grant	150,250	51,250	40,000	19,000	20,000	20,000	0	0	0
Total Funding	165,000	60,000	41,000	21,000	21,000	22,000	0	0	0

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
<u>Public Safety</u>										
142	Communication Tower(s) various locations	534,000	0	204,000	0	106,000	0	110,000	0	114,000
143	Detention Center Building Improvements	550,000	0	550,000	0	0	0	0	0	0
144	Emergency Svcs Equip & Vehicle Program	1,084,983	481,983	298,000	305,000	0	0	0	0	0
145	Law Enforcement - Fleet Replacement Program	5,958,000	408,000	510,000	520,000	530,000	540,000	550,000	560,000	2,340,000
Public Safety Total		8,126,983	889,983	1,562,000	825,000	636,000	540,000	660,000	560,000	2,454,000
Funding Sources										
	General Fund	6,115,500	440,500	0	825,000	636,000	540,000	660,000	560,000	2,454,000
	Tax Supported Bond	500,000	0	500,000	0	0	0	0	0	0
	Capital Reserve - General	1,511,483	449,483	1,062,000	0	0	0	0	0	0
		8,126,983	889,983	1,562,000	825,000	636,000	540,000	660,000	560,000	2,454,000

Project Title: **Communication Tower(s) various locations**

Project Number: **1166**

Account Number: **COM027**

Projected Annual FTE's: **0**

Projected Operating Costs: **\$0**

Description:

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

Assumptions & Justifications:

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

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

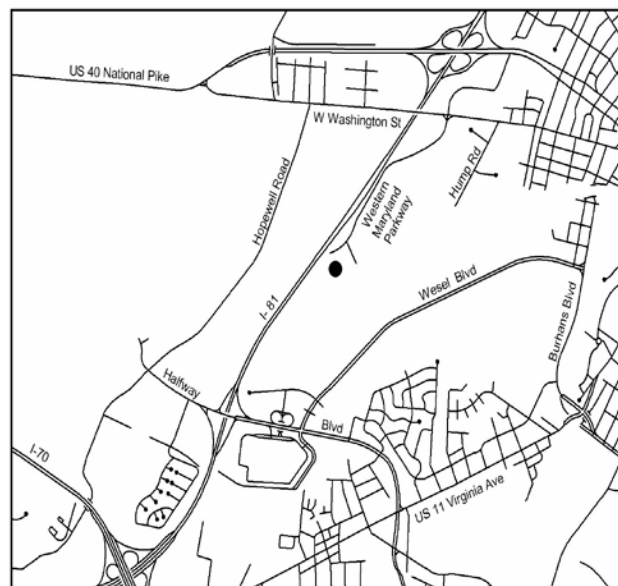
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	534,000	0	204,000	0	106,000	0	110,000	0	114,000
Total Cost	534,000	0	204,000	0	106,000	0	110,000	0	114,000

Funding Sources:

General Fund	330,000	0	0	0	106,000	0	110,000	0	114,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	204,000	0	204,000	0	0	0	0	0	0
Total Funding	534,000	0	204,000	0	106,000	0	110,000	0	114,000

Project Title: Detention Center Building Improvements**Project Number: 1094****Account Number: BLD089****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project allows for major repairs and/or building improvements as needed for the Detention Center.

Assumptions & Justifications:

In FY2016:

- 1- Replace HVAC systems in the administrative areas of the Center. \$500,000
- 2- Roof repair to the administrative portion of the building. \$50,000

The Detention Center is an aging facility that is starting to need major repairs to maintain functionality and compliance.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	0	0	0	0	0	0	0	0	0
Construction	550,000	0	550,000	0	0	0	0	0	0
Inspection	0	0	0	0	0	0	0	0	0
Equipment/Furniture	0	0	0	0	0	0	0	0	0
Total Cost	550,000	0	550,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	500,000	0	500,000	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Capital Reserve - General	50,000	0	50,000	0	0	0	0	0	0
Total Funding	550,000	0	550,000	0	0	0	0	0	0

Project Title: Emergency Svcs Equip & Vehicle Program**Project Number: 1214****Account Number: VEH009****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

The project is a 10-year capital equipment and vehicle replacement program for the County's Division of Emergency Services.

Assumptions & Justifications:

FY2016 and FY2017 - Hazmat Unit \$585,000

Funding is dependent on availability, age and need of requested equipment, etc.

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Vehicles	1,084,983	481,983	298,000	305,000	0	0	0	0	0
Total Cost	1,084,983	481,983	298,000	305,000	0	0	0	0	0

Funding Sources:

General Fund	345,500	40,500	0	305,000	0	0	0	0	0
Capital Reserve - General	739,483	441,483	298,000	0	0	0	0	0	0
Total Funding	1,084,983	481,983	298,000	305,000	0	0	0	0	0

Project Title: Law Enforcement - Fleet Replacement

Project Number: 1118

Account Number: VEH006

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

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

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Vehicles	5,958,000	408,000	510,000	520,000	530,000	540,000	550,000	560,000	2,340,000
Total Cost	5,958,000	408,000	510,000	520,000	530,000	540,000	550,000	560,000	2,340,000

Funding Sources:

General Fund	5,440,000	400,000	0	520,000	530,000	540,000	550,000	560,000	2,340,000
Transfer Tax	0	0	0	0	0	0	0	0	0
Capital Reserve - General	518,000	8,000	510,000	0	0	0	0	0	0
Total Funding	5,958,000	408,000	510,000	520,000	530,000	540,000	550,000	560,000	2,340,000

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
<u>Railroad Crossings</u>										
148	Railroad Crossing Improvements	1,865,137	605,137	0	0	0	289,000	0	300,000	671,000
	Railroad Crossings Total	1,865,137	605,137	0	0	0	289,000	0	300,000	671,000
Funding Sources										
	General Fund	1,394,000	134,000	0	0	0	289,000	0	300,000	671,000
	Transfer Tax	73,878	73,878	0	0	0	0	0	0	0
	Capital Reserve - General	397,259	397,259	0	0	0	0	0	0	0
		1,865,137	605,137	0	0	0	289,000	0	300,000	671,000

Project Title: Railroad Crossing Improvements**Project Number: 1140****Account Number: RRX003****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Land Acquisition	112,000	112,000	0	0	0	0	0	0	0
Construction	1,536,137	471,137	0	0	0	289,000	0	300,000	476,000
Inspection	195,000	0	0	0	0	0	0	0	195,000
Utilities	22,000	22,000	0	0	0	0	0	0	0
Total Cost	1,865,137	605,137	0	0	0	289,000	0	300,000	671,000

Funding Sources:

General Fund	1,394,000	134,000	0	0	0	289,000	0	300,000	671,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Transfer Tax	73,878	73,878	0	0	0	0	0	0	0
Capital Reserve - General	397,259	397,259	0	0	0	0	0	0	0
Total Funding	1,865,137	605,137	0	0	0	289,000	0	300,000	671,000

Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Road Improvement										
150	Pavement Maintenance and Rehab Program	49,129,359	9,064,359	4,065,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	16,000,000
151	Robinwood Corridor II	11,923,300	11,056,300	867,000	0	0	0	0	0	0
152	Eastern Boulevard Extended	2,874,000	0	0	0	0	0	0	0	2,874,000
153	Southern Boulevard I	9,397,100	6,941,100	2,034,000	422,000	0	0	0	0	0
154	E. Oak Ridge Drive/South Pointe Signal	345,000	0	0	0	0	0	116,000	0	229,000
155	Eastern Boulevard Widening Phase I	8,967,100	8,253,100	714,000	0	0	0	0	0	0
156	Eastern Boulevard Widening Phase II	7,339,300	836,300	0	1,010,000	1,890,000	1,496,000	2,107,000	0	0
157	Transportation ADA	1,587,206	806,206	0	86,000	86,000	86,000	86,000	85,000	352,000
158	Eastern Blvd. at Antietam Dr	2,283,000	502,000	367,000	1,414,000	0	0	0	0	0
159	Professional Boulevard Extended - Phase II	7,003,500	1,434,500	0	0	0	0	2,232,000	2,312,000	1,025,000
160	Professional Boulevard Extended - Ph I/ Bridge over Antietam Creek	8,771,000	1,522,000	0	1,691,000	3,258,000	2,300,000	0	0	0
161	Valley Mall Area Road Improvements Phase II	1,060,000	220,000	0	0	0	0	0	840,000	0
162	Battery Backup Op and Enhancements	274,000	60,000	214,000	0	0	0	0	0	0
163	Medical Campus Road Signal	432,000	0	0	432,000	0	0	0	0	0
164	Colonel Henry K. Douglas Drive Extended Phase I	1,002,000	0	0	0	0	0	0	0	1,002,000
165	Professional Boulevard Extended - Phase III	1,572,000	0	1,000,000	572,000	0	0	0	0	0
166	Professional Boulevard Extended - Phase IV	1,862,000	0	0	0	0	0	220,000	616,000	1,026,000
167	Crayton Boulevard Extended	2,269,000	0	1,071,000	1,092,000	106,000	0	0	0	0
168	Poffenberger Road at MD Route 65 Traffic Signal	250,000	0	250,000	0	0	0	0	0	0
169	HWY Equip and Vehicle Replacement Program	5,688,820	1,003,820	510,000	150,000	530,000	378,000	385,000	392,000	2,340,000
170	Highway Maintenance Shop - Western Section	380,000	51,000	102,000	89,000	138,000	0	0	0	0
171	HWY Western Section - Fuel Tank Replacement	875,000	0	100,000	100,000	100,000	200,000	200,000	175,000	0
Road Improvement Total		125,284,685	41,750,685	11,294,000	11,058,000	10,108,000	8,460,000	9,346,000	8,420,000	24,848,000
Funding Sources										
	General Fund	11,787,953	10,126,953	0	86,000	266,000	114,000	202,000	85,000	908,000
	Highway Fund	6,950,000	150,000	250,000	350,000	450,000	550,000	650,000	750,000	3,800,000
	Hotel Rental Fund	1,216,000	0	250,000	432,000	276,000	258,000	0	0	0
	Tax Supported Bond	66,364,926	15,226,926	6,390,000	7,835,000	6,161,000	5,983,000	6,839,000	5,830,000	12,100,000
	Transfer Tax	16,928,640	1,428,640	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	1,600,000	7,400,000
	Excise Tax - Roads	2,337,270	1,077,270	126,000	126,000	126,000	126,000	126,000	126,000	504,000
	Excise Tax - Other	310,000	0	29,000	29,000	29,000	29,000	29,000	29,000	136,000
	Excise Tax - Non-Residential	1,247,905	1,247,905	0	0	0	0	0	0	0
	Capital Reserve - General	10,526,255	9,377,255	1,149,000	0	0	0	0	0	0
	Federal Grant	3,375,980	1,375,980	2,000,000	0	0	0	0	0	0
	State Grant	3,689,756	1,689,756	0	500,000	1,500,000	0	0	0	0
	Contributions	550,000	50,000	0	500,000	0	0	0	0	0
		125,284,685	41,750,685	11,294,000	11,058,000	10,108,000	8,460,000	9,346,000	8,420,000	24,848,000

Project Title: Pavement Maintenance and Rehab Program**Project Number: 13****Account Number: RDI024****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

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

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

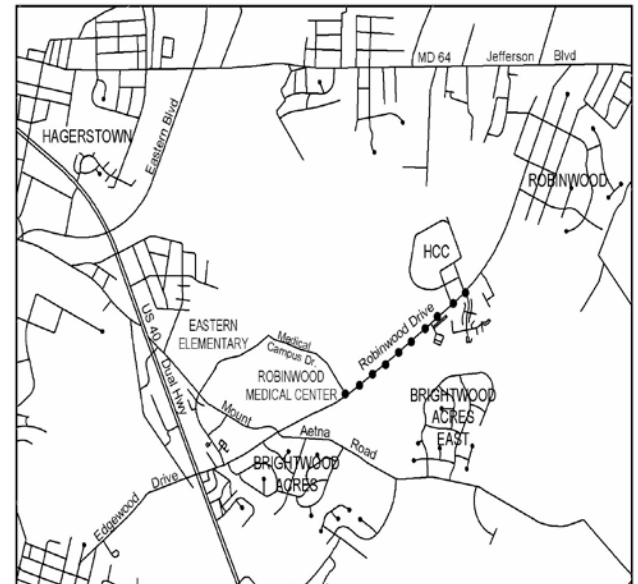
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	46,689,059	8,359,059	3,886,000	3,818,000	3,814,000	3,811,000	3,807,000	3,804,000	15,390,000
Inspection	2,440,300	705,300	179,000	182,000	186,000	189,000	193,000	196,000	610,000
Total Cost	49,129,359	9,064,359	4,065,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	16,000,000

Funding Sources:

General Fund	2,157,940	1,601,940	0	0	0	0	0	0	556,000
Highway Fund	1,719,000	0	0	11,000	0	0	65,000	183,000	1,460,000
Tax Supported Bond	20,782,394	637,394	2,235,000	2,634,000	2,545,000	2,445,000	2,280,000	2,062,000	5,944,000
Transfer Tax	16,928,640	1,428,640	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	1,600,000	7,400,000
Excise Tax - Roads	1,389,350	129,350	126,000	126,000	126,000	126,000	126,000	126,000	504,000
Excise Tax - Other	310,000	0	29,000	29,000	29,000	29,000	29,000	29,000	136,000
Excise Tax - Non-Residential	420,000	420,000	0	0	0	0	0	0	0
APFO Fees - Roads	0	0	0	0	0	0	0	0	0
Capital Reserve - General	5,422,035	4,847,035	575,000	0	0	0	0	0	0
Total Funding	49,129,359	9,064,359	4,065,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	16,000,000

Project Title: Robinwood Corridor II**Project Number:** 14**Account Number:** RDI022**Projected Annual FTE's:** 0**Projected Operating Costs:** \$4,000**Description:**

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

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.

This project is needed to provide additional road capacity resulting from continued development in this area.

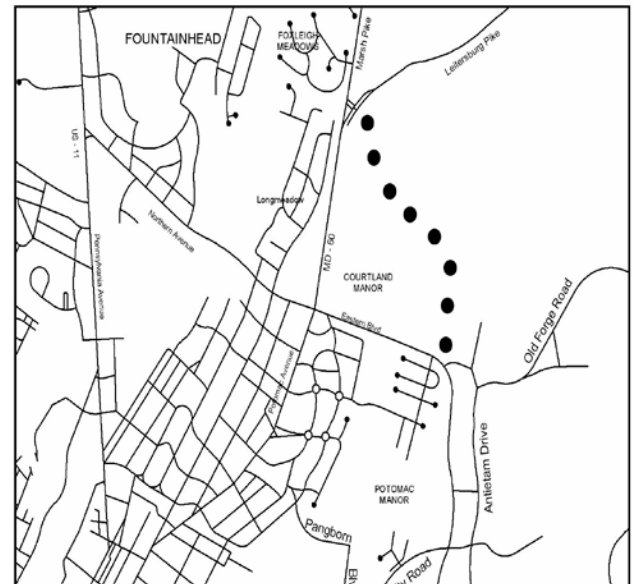
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

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	9,756,900	8,889,900	867,000	0	0	0	0	0	0
Inspection	199,400	199,400	0	0	0	0	0	0	0
Utilities	405,000	405,000	0	0	0	0	0	0	0
Total Cost	11,923,300	11,056,300	867,000	0	0	0	0	0	0

Funding Sources:

General Fund	3,084,900	3,084,900	0	0	0	0	0	0	0
Tax Supported Bond	4,605,700	3,738,700	867,000	0	0	0	0	0	0
Excise Tax - Roads	586,300	586,300	0	0	0	0	0	0	0
Excise Tax - Non-Residential	250,000	250,000	0	0	0	0	0	0	0
APFO Fees - Roads	0	0	0	0	0	0	0	0	0
Capital Reserve - General	3,346,400	3,346,400	0	0	0	0	0	0	0
Contributions	50,000	50,000	0	0	0	0	0	0	0
Total Funding	11,923,300	11,056,300	867,000	0	0	0	0	0	0

Project Title: Eastern Boulevard Extended**Project Number: 21****Account Number: RDI039****Projected Annual FTE's: 0****Projected Operating Costs: \$4,000****Description:**

The project involves the construction of a new roadway connecting Eastern Boulevard at Antietam Drive and Leithersburg Pike at Marsh Pike. The road is approximately 6,100' in length. The work involves construction of a new intersection at Antietam Drive and intersection improvements at MD 60/Marsh Pike that will include construction of a traffic signal or roundabout. The project also includes construction of a major drainage culvert.

Assumptions & Justifications:

The majority of the right-of-way is donated. The project assumes remaining lands necessary for completion can be obtained within budgeted values. The project involves construction of a four lane divided closed section roadway. SHA may require significant road widening along MD 60.

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

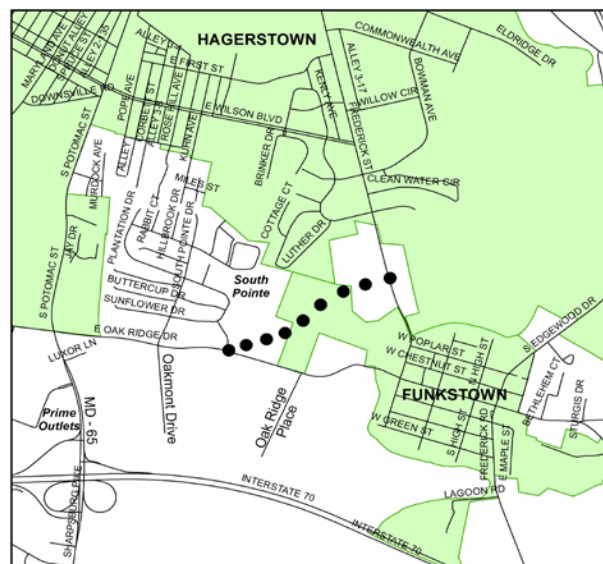
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	232,000	0	0	0	0	0	0	0	232,000
Land Acquisition	290,000	0	0	0	0	0	0	0	290,000
Construction	2,352,000	0	0	0	0	0	0	0	2,352,000
Inspection	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Total Cost	2,874,000	0	0	0	0	0	0	0	2,874,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	2,874,000	0	0	0	0	0	0	0	2,874,000
Excise Tax - Roads	0	0	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Federal Grant	0	0	0	0	0	0	0	0	0
Total Funding	2,874,000	0	0	0	0	0	0	0	2,874,000

Project Title: Southern Boulevard I**Project Number:** 26**Account Number:** RDI040**Projected Annual FTE's:** 0**Projected Operating Costs:** \$3,000**Description:**

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

Assumptions & Justifications:

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

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

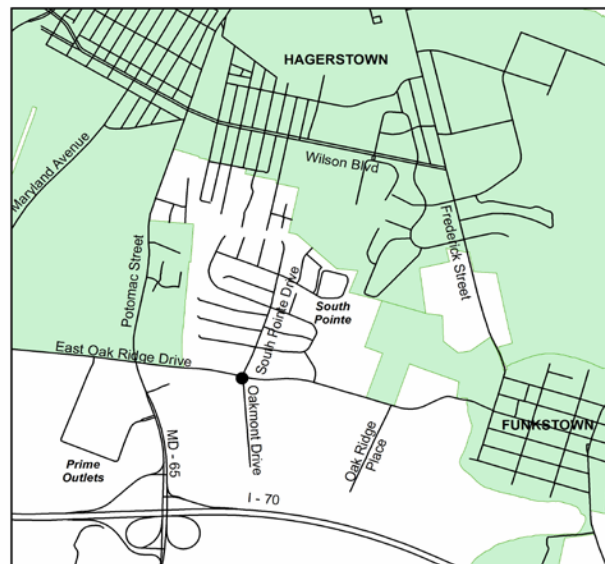
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

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	7,534,500	5,078,500	2,034,000	422,000	0	0	0	0	0
Inspection	134,600	134,600	0	0	0	0	0	0	0
Utilities	204,000	204,000	0	0	0	0	0	0	0
Total Cost	9,397,100	6,941,100	2,034,000	422,000	0	0	0	0	0

Funding Sources:

General Fund	3,201,100	3,201,100	0	0	0	0	0	0	0
Tax Supported Bond	5,651,900	3,195,900	2,034,000	422,000	0	0	0	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Roads	0	0	0	0	0	0	0	0	0
Capital Reserve - General	544,100	544,100	0	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Federal Funding	0	0	0	0	0	0	0	0	0
State Funding	0	0	0	0	0	0	0	0	0
Total Funding	9,397,100	6,941,100	2,034,000	422,000	0	0	0	0	0

Project Title: E. Oak Ridge Drive/South Pointe Signal**Project Number:** 964**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$1,000**Description:**

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

Assumptions & Justifications:

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

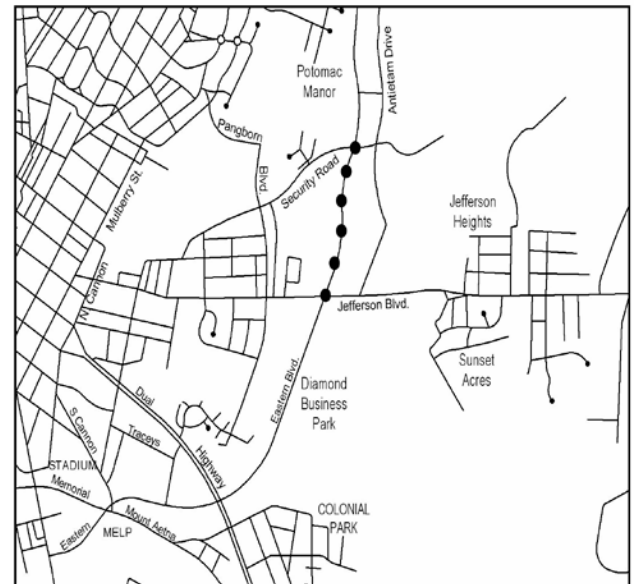
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	39,000	0	0	0	0	0	39,000	0	0
Land Acquisition	22,000	0	0	0	0	0	22,000	0	0
Construction	200,000	0	0	0	0	0	0	0	200,000
Inspection	29,000	0	0	0	0	0	0	0	29,000
Utilities	55,000	0	0	0	0	0	55,000	0	0
Total Cost	345,000	0	0	0	0	0	116,000	0	229,000

Funding Sources:

General Fund	116,000	0	0	0	0	0	116,000	0	0
Tax Supported Bond	229,000	0	0	0	0	0	0	0	229,000
Total Funding	345,000	0	0	0	0	0	116,000	0	229,000

Project Title: Eastern Boulevard Widening Phase I**Project Number: 970****Account Number: RDI042****Projected Annual FTE's: 0****Projected Operating Costs: \$3,000****Description:**

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

Assumptions & Justifications:

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

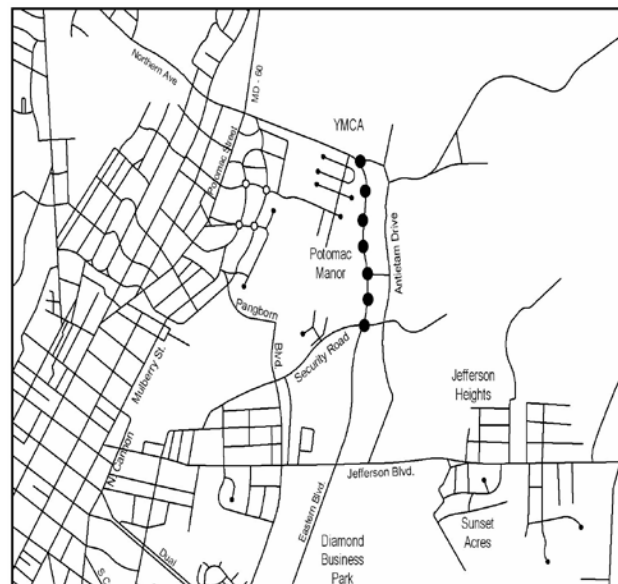
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	353,500	353,500	0	0	0	0	0	0	0
Land Acquisition	1,420,000	1,420,000	0	0	0	0	0	0	0
Construction	6,091,000	5,377,000	714,000	0	0	0	0	0	0
Inspection	262,600	262,600	0	0	0	0	0	0	0
Utilities	840,000	840,000	0	0	0	0	0	0	0
Total Cost	8,967,100	8,253,100	714,000	0	0	0	0	0	0

Funding Sources:

General Fund	731,063	731,063	0	0	0	0	0	0	0
Tax Supported Bond	7,440,832	6,726,832	714,000	0	0	0	0	0	0
Excise Tax - Roads	217,300	217,300	0	0	0	0	0	0	0
Excise Tax - Non-Residential	577,905	577,905	0	0	0	0	0	0	0
Total Funding	8,967,100	8,253,100	714,000	0	0	0	0	0	0

Project Title: Eastern Boulevard Widening Phase II**Project Number: 972****Account Number: RDI044****Projected Annual FTE's: 0****Projected Operating Costs: \$2,000****Description:**

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

Assumptions & Justifications:

This project assumes design and construction of an at grade railroad crossing.

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.

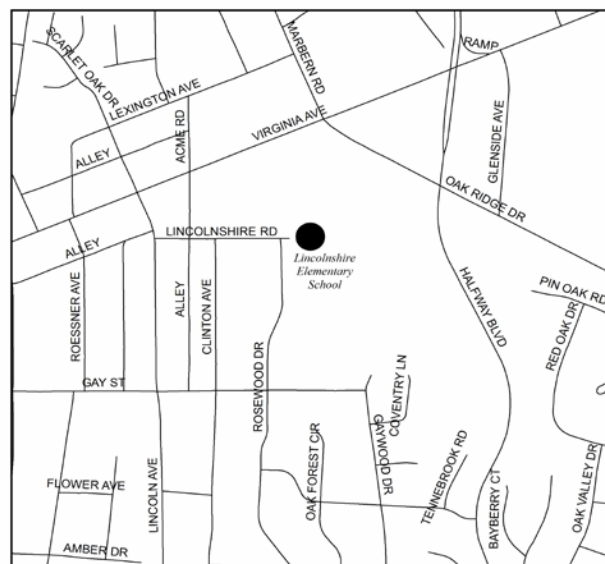
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	500,000	500,000	0	0	0	0	0	0	0
Land Acquisition	1,770,300	336,300	0	1,010,000	424,000	0	0	0	0
Construction	4,821,000	0	0	0	1,466,000	1,248,000	2,107,000	0	0
Inspection	248,000	0	0	0	0	248,000	0	0	0
Total Cost	7,339,300	836,300	0	1,010,000	1,890,000	1,496,000	2,107,000	0	0

Funding Sources:

General Fund	195,000	195,000	0	0	0	0	0	0	0
Tax Supported Bond	6,644,300	141,300	0	1,010,000	1,890,000	1,496,000	2,107,000	0	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Excise Tax - Roads	144,320	144,320	0	0	0	0	0	0	0
Excise Tax - Non-Residential	0	0	0	0	0	0	0	0	0
Federal Grant	355,680	355,680	0	0	0	0	0	0	0
Total Funding	7,339,300	836,300	0	1,010,000	1,890,000	1,496,000	2,107,000	0	0

Project Title: Transportation ADA**Project Number:** 1023**Account Number:** LDI037**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

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

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

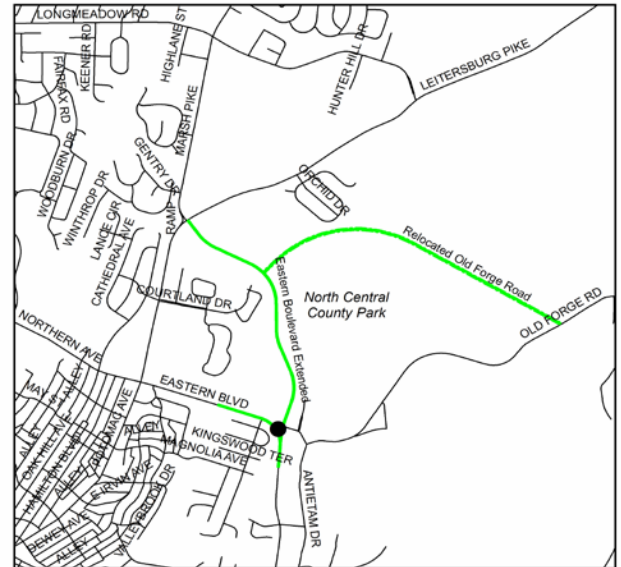
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Planning	74,700	74,700	0	0	0	0	0	0	0
Construction	1,512,506	731,506	0	86,000	86,000	86,000	86,000	85,000	352,000
Total Cost	1,587,206	806,206	0	86,000	86,000	86,000	86,000	85,000	352,000

Funding Sources:

General Fund	1,017,450	236,450	0	86,000	86,000	86,000	86,000	85,000	352,000
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
State Grant	569,756	569,756	0	0	0	0	0	0	0
Total Funding	1,587,206	806,206	0	86,000	86,000	86,000	86,000	85,000	352,000

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

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

Assumptions & Justifications:

This project will be constructed with Eastern Boulevard Phase II.

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

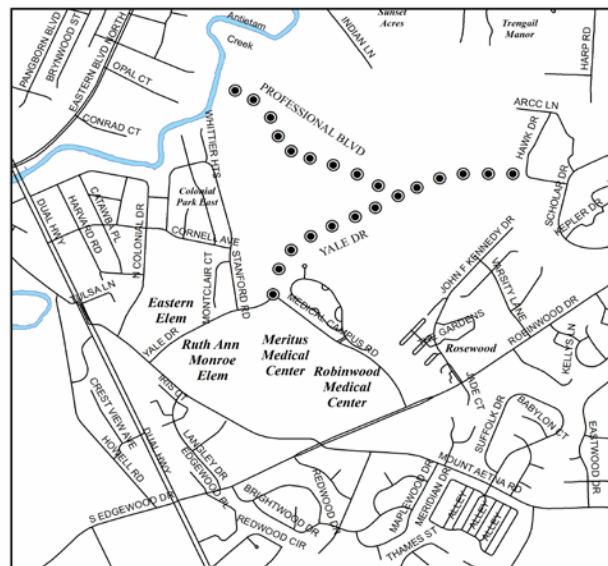
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

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	1,658,000	0	306,000	1,352,000	0	0	0	0	0
Inspection	123,000	0	61,000	62,000	0	0	0	0	0
Total Cost	2,283,000	502,000	367,000	1,414,000	0	0	0	0	0

Funding Sources:

General Fund	502,000	502,000	0	0	0	0	0	0	0
Tax Supported Bond	1,781,000	0	367,000	1,414,000	0	0	0	0	0
Excise Tax - Roads	0	0	0	0	0	0	0	0	0
Total Funding	2,283,000	502,000	367,000	1,414,000	0	0	0	0	0

Project Title: Professional Boulevard Extended - Phase II**Project Number: 1071****Account Number: RDI056****Projected Annual FTE's: 0****Projected Operating Costs: \$3,000****Description:**

The project involves the extension of Professional Court from a point 200 feet east of the proposed Antietam Creek Bridge (Project 1072) to Yale Drive Extended (Project 1093). The roadway length is approximately 2,700 feet. The project includes construction of a four lane closed section divided roadway that will connect into the roundabout intersection at Yale Drive.

Assumptions & Justifications:

No new water and/or sewer network is included in these costs and must be funded from other sources (other project or private sector investment). The County is currently seeking a state/federal grant to cover construction costs (\$5,500,000).

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	398,400	398,400	0	0	0	0	0	0	0
Land Acquisition	102,000	102,000	0	0	0	0	0	0	0
Construction	6,503,100	934,100	0	0	0	0	2,232,000	2,312,000	1,025,000
Inspection	0	0	0	0	0	0	0	0	0
Total Cost	7,003,500	1,434,500	0	0	0	0	2,232,000	2,312,000	1,025,000

Funding Sources:

General Fund	125,000	125,000	0	0	0	0	0	0	0
Tax Supported Bond	5,858,200	289,200	0	0	0	0	2,232,000	2,312,000	1,025,000
Federal Grant	1,020,300	1,020,300	0	0	0	0	0	0	0
Contributions	0	0	0	0	0	0	0	0	0
Total Funding	7,003,500	1,434,500	0	0	0	0	2,232,000	2,312,000	1,025,000

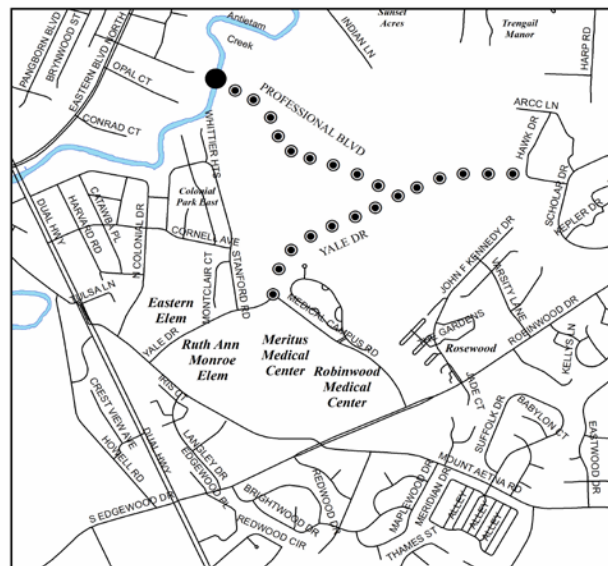
Project Title: Professional Boulevard Extended - Ph I/Bridge over Antietam Creek

Project Number: 1072

Account Number: RDI055

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000



Description:

The project involves the extension of Professional Court over Antietam Creek to a point 200' east of the proposed bridge. This project will connect to the proposed Professional Boulevard Extended Phase II (Project 1071) roadway that connects to Yale Drive Extended (Project 1093). The project length is approximately 1,000 LF (including bridge). The project includes construction of a four lane closed section roadway and the construction of a four lane bridge over Antietam Creek.

Assumptions & Justifications:

A state grant was received in FY14 from the Secretary of the Maryland Department of Transportation for design of the bridge (\$1,120,000). No new water and/or sewer network is included in these costs and must be funded from other sources (other project or private sector investment).

State funding shown in years 2017 and 2018 is State Aid Funding, not ARC grant.

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

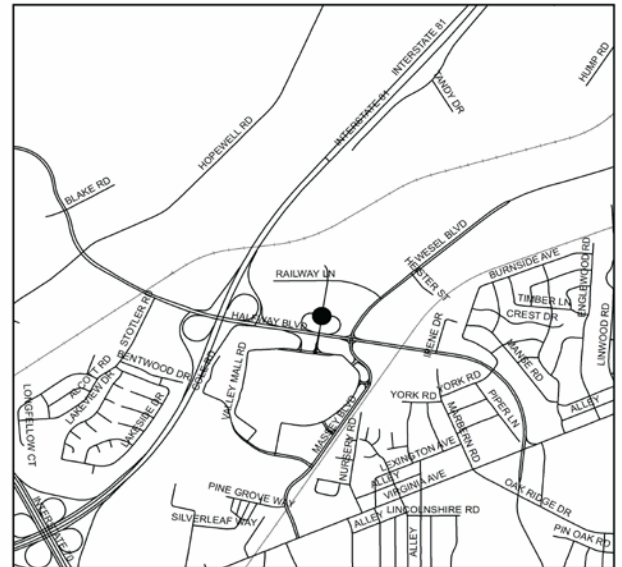
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	1,522,000	1,522,000	0	0	0	0	0	0	0
Land Acquisition	624,000	0	0	624,000	0	0	0	0	0
Construction	6,377,000	0	0	1,067,000	3,258,000	2,052,000	0	0	0
Inspection	248,000	0	0	0	0	248,000	0	0	0
Total Cost	8,771,000	1,522,000	0	1,691,000	3,258,000	2,300,000	0	0	0

Funding Sources:

General Fund	125,000	125,000	0	0	0	0	0	0	0
Hotel Rental Fund	534,000	0	0	0	276,000	258,000	0	0	0
Tax Supported Bond	4,992,000	277,000	0	1,191,000	1,482,000	2,042,000	0	0	0
Federal Grant	0	0	0	0	0	0	0	0	0
State Grant	3,120,000	1,120,000	0	500,000	1,500,000	0	0	0	0
Contributions	0	0	0	0	0	0	0	0	0
Total Funding	8,771,000	1,522,000	0	1,691,000	3,258,000	2,300,000	0	0	0

Project Title: Valley Mall Area Road Improvements Phase II**Project Number: 1167****Account Number: RDI062****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project includes Intersection reconstruction on Underpass Way at the on/off ramps to/from Halfway Blvd. The project will convert a stop controlled intersection to a roundabout intersection.

Assumptions & Justifications:

The intersection operates at an unacceptable level of service. Poor level of service is preventing further economic development in the area.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	77,000	77,000	0	0	0	0	0	0	0
Land Acquisition	102,000	102,000	0	0	0	0	0	0	0
Construction	840,000	0	0	0	0	0	0	840,000	0
Utilities	41,000	41,000	0	0	0	0	0	0	0
Total Cost	1,060,000	220,000	0	0	0	0	0	840,000	0

Funding Sources:

Hotel Rental Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,060,000	220,000	0	0	0	0	0	840,000	0
Transfer Tax	0	0	0	0	0	0	0	0	0
Total Funding	1,060,000	220,000	0	0	0	0	0	840,000	0

Project Title: Battery Backup Op and Enhancements**Project Number: 1194****Account Number: EQP052****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project involves providing battery backup and miscellaneous signal enhancements during power outages to signalized intersections maintained by the County.

Assumptions & Justifications:

The signalized intersections are: Maugans Avenue and Volvo Way, Maugans Avenue and Crayton Boulevard, Halfway Boulevard and Massey Boulevard, Halfway Boulevard and Cole Road, Massey Boulevard and Valley Mall Entrance, Longmeadow Road and Marsh Pike, Mount Aetna and Yale Drive, Leitersburg-Smithburg Road and School Entrance, Halfway Boulevard and Railway Lane, Halfway Boulevard and York Road, Halfway Boulevard and Hopewell Road, Eastern Boulevard and Security Boulevard, North Edgewood Drive and Mount Aetna Road, Robinwood Drive and Academic Drive.

Backup power will improve the safety of intersections and eliminate the need for law enforcement and/or highway department personnel to maintain the operation of the intersection during power outages.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	60,000	60,000	0	0	0	0	0	0	0
Construction	214,000	0	214,000	0	0	0	0	0	0
Total Cost	274,000	60,000	214,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Capital Reserve - General	274,000	60,000	214,000	0	0	0	0	0	0
Total Funding	274,000	60,000	214,000	0	0	0	0	0	0

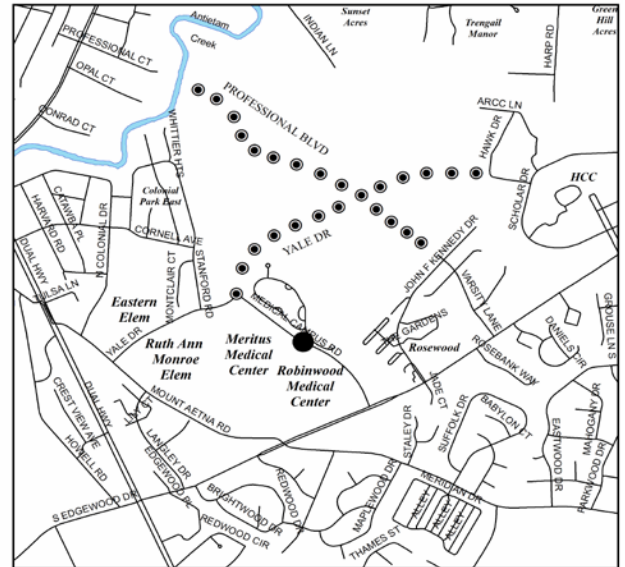
Project Title: Medical Campus Road Signal

Project Number: 1197

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000



Description:

The project involves the construction of a traffic signal with left turn lanes at the intersection of Medical Campus Road and Tranquility Circle.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	416,000	0	0	416,000	0	0	0	0	0
Inspection	16,000	0	0	16,000	0	0	0	0	0
Total Cost	432,000	0	0	432,000	0	0	0	0	0

Funding Sources:

Hotel Rental Fund	432,000	0	0	432,000	0	0	0	0	0
Total Funding	432,000	0	0	432,000	0	0	0	0	0

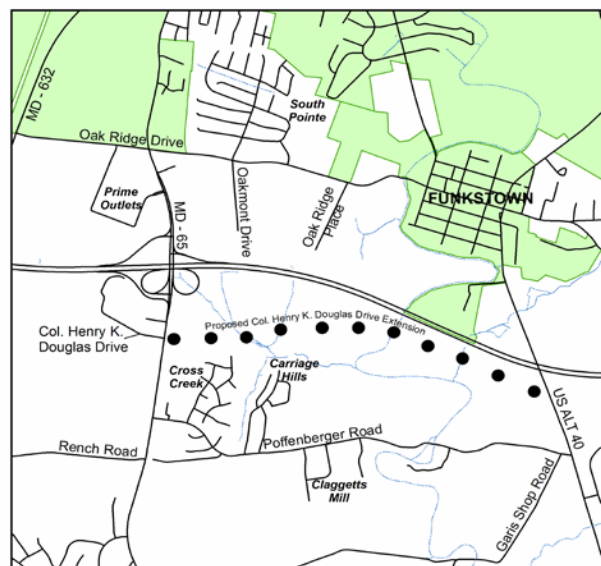
Project Title: Colonel Henry K. Douglas Drive Extended Phase I

Project Number: 1250

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$4,000



Description:

The project involves the extension of Colonel Henry K. Douglas Drive from Sharpsburg Pike (Maryland Route 65) to a new bridge over the Antietam Creek (ADC Map 21, D-12). The roadway is approximately one mile long and will include construction of a two lane closed section roadway and an at grade crossing.

Assumptions & Justifications:

No new water and/or sewer network is included in these costs and must be funded from other sources (other project or private sector investment).

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

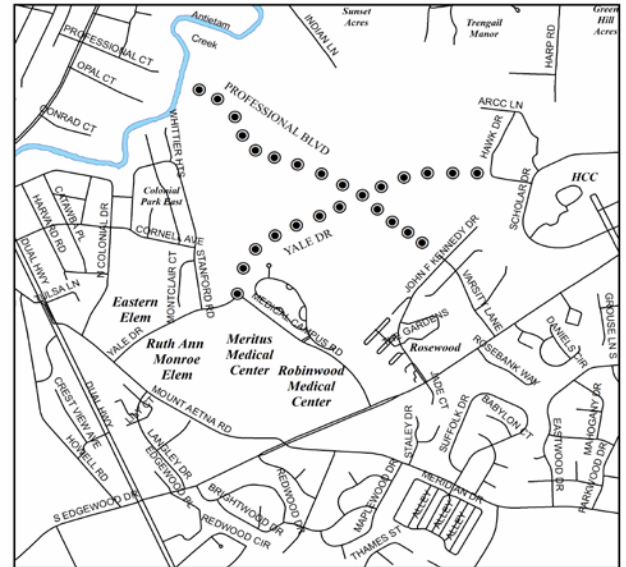
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	0	0	0	0	0	0	0	0	0
Land Acquisition	0	0	0	0	0	0	0	0	0
Construction	1,002,000	0	0	0	0	0	0	0	1,002,000
Inspection	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Total Cost	1,002,000	0	0	0	0	0	0	0	1,002,000

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	1,002,000	0	0	0	0	0	0	0	1,002,000
Total Funding	1,002,000	0	0	0	0	0	0	0	1,002,000

Project Title: Professional Boulevard Extended - Phase III**Project Number: 1254****Account Number: RDI064****Projected Annual FTE's: 0****Projected Operating Costs: \$1,000****Description:**

The project involves the construction of a segment of Professional Boulevard south from the second Yale Drive roundabout continuing southeast towards Phase IV and Robinwood Drive. The roadway length is approximately 900 feet. The project includes construction of a four lane closed section roadway.

Assumptions & Justifications:

An ARC grant in the amount of \$1,000,000 has been secured for this project. 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. The project area has been identified as an economic development opportunity for the County.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,416,000	0	1,000,000	416,000	0	0	0	0	0
Inspection	156,000	0	0	156,000	0	0	0	0	0
Total Cost	1,572,000	0	1,000,000	572,000	0	0	0	0	0

Funding Sources:

Tax Supported Bond	572,000	0	0	572,000	0	0	0	0	0
Federal Grant	1,000,000	0	1,000,000	0	0	0	0	0	0
Total Funding	1,572,000	0	1,000,000	572,000	0	0	0	0	0

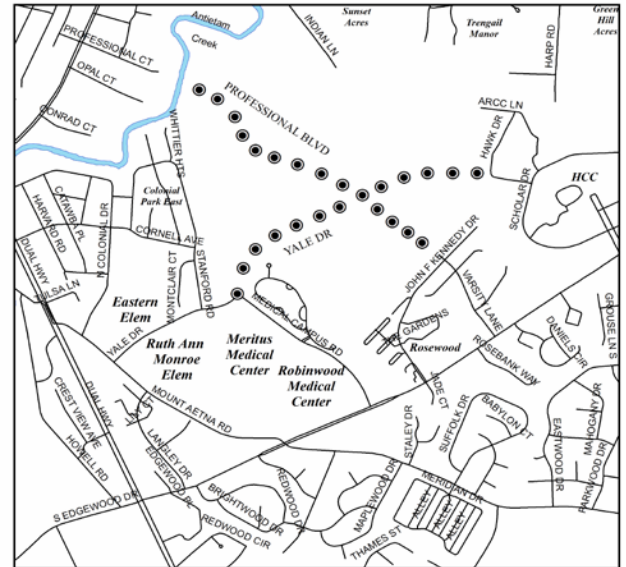
Project Title: Professional Boulevard Extended - Phase IV

Project Number: 1255

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$1,000



Description:

The project involves the construction of a segment of Professional Boulevard south of Yale Drive continuing from Phase III southeast towards Robinwood Drive. The roadway length is approximately 900 feet. The project includes construction of a four lane closed section roadway.

Assumptions & Justifications:

No new water and/or sewer network is included in these costs and must be funded from other sources (other project or private sector investment).

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

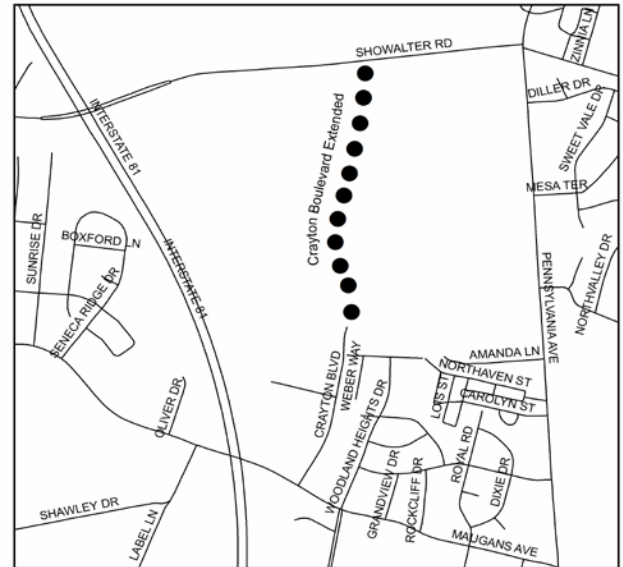
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,694,000	0	0	0	0	0	220,000	448,000	1,026,000
Inspection	168,000	0	0	0	0	0	0	168,000	0
Total Cost	1,862,000	0	0	0	0	0	220,000	616,000	1,026,000

Funding Sources:

Tax Supported Bond	1,862,000	0	0	0	0	0	220,000	616,000	1,026,000
Total Funding	1,862,000	0	0	0	0	0	220,000	616,000	1,026,000

Project Title: Crayton Boulevard Extended**Project Number:** 1259**Account Number:** RDI065**Projected Annual FTE's:** 0**Projected Operating Costs:** \$1,000**Description:**

The project involves the construction of Crayton Boulevard between Maugans Avenue and Showalter Road. The project includes construction of a three lane closed section roadway (one lane in each direction with a continuous center left turn lane). The project length is approximately 1,600 LF.

Assumptions & Justifications:

No new water and/or sewer network is included in these costs and must be funded from other sources (other project or private sector investment). An ARC grant in the amount of \$1,000,000 is being secured for this project. This project assumes \$500,000 in private developer contributions.

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

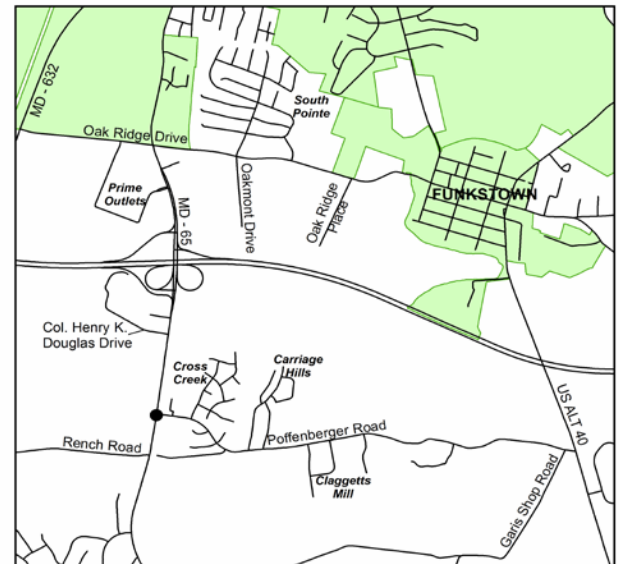
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	51,000	0	51,000	0	0	0	0	0	0
Construction	2,062,000	0	1,020,000	936,000	106,000	0	0	0	0
Inspection	156,000	0	0	156,000	0	0	0	0	0
Total Cost	2,269,000	0	1,071,000	1,092,000	106,000	0	0	0	0

Funding Sources:

Tax Supported Bond	769,000	0	71,000	592,000	106,000	0	0	0	0
Federal Grant	1,000,000	0	1,000,000	0	0	0	0	0	0
Contributions	500,000	0	0	500,000	0	0	0	0	0
Total Funding	2,269,000	0	1,071,000	1,092,000	106,000	0	0	0	0

Project Title: Poffenberger Road at MD Route 65 Traffic Signal**Project Number:** 1277**Account Number:** RDI066**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project involves the construction of a traffic signal at the intersection of Poffenberger Road and Maryland Route 65 (Sharpsburg Pike).

Assumptions & Justifications:

Traffic volume increases in this area are making turning movements at this location more difficult. Once volumes warrant the signal, safety and traffic flow will be improved. The Walmart project will install the conduits, foundations, etc. (below grade work) for the future traffic signal. The costs shown are for above grade traffic signal work and equipment. Consideration shall be given to future improvements. Right-of-way to be acquired or dedicated by development projects. Road improvements to be provided by development projects.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	250,000	0	250,000	0	0	0	0	0	0
Total Cost	250,000	0	250,000	0	0	0	0	0	0

Funding Sources:

Hotel Rental Fund	250,000	0	250,000	0	0	0	0	0	0
Capital Reserve - General	0	0	0	0	0	0	0	0	0
Total Funding	250,000	0	250,000	0	0	0	0	0	0

Project Title: HWY Equip and Vehicle Replacement Program**Project Number: 1119****Account Number: EQP042****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project will replace vehicles and heavy/specialized equipment for maintenance and construction activity.

Assumptions & Justifications:

Recommendation for replacement is based on a review of policy, equipment condition, and consideration of funding levels that exist.

The County maintains an inventory of specialized and heavy equipment for maintenance and construction activities. Each year, the Public Works Department analyzes the condition of this equipment to identify candidates for replacement. This analysis is conducted in conjunction with the user departments and focuses on factors such as age, mileage and/or hours, and life-to-date repair history.

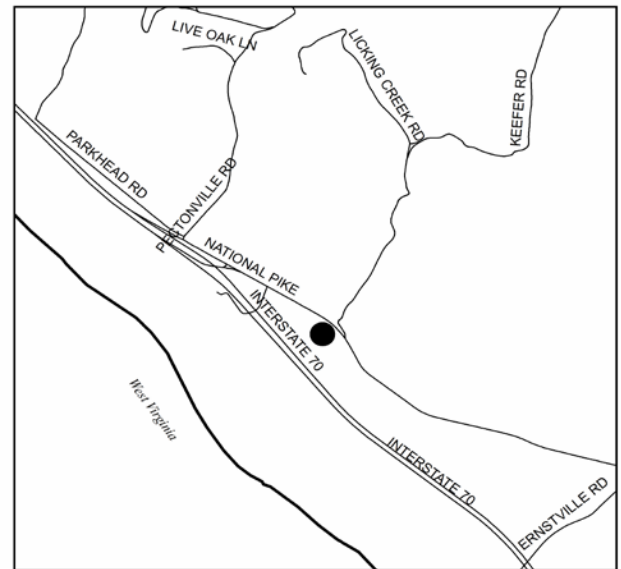
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	5,688,820	1,003,820	510,000	150,000	530,000	378,000	385,000	392,000	2,340,000
Total Cost	5,688,820	1,003,820	510,000	150,000	530,000	378,000	385,000	392,000	2,340,000

Funding Sources:

General Fund	481,500	273,500	0	0	180,000	28,000	0	0	0
Highway Fund	4,267,000	150,000	150,000	150,000	350,000	350,000	385,000	392,000	2,340,000
Tax Supported Bond	600	600	0	0	0	0	0	0	0
Capital Reserve - General	939,720	579,720	360,000	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	5,688,820	1,003,820	510,000	150,000	530,000	378,000	385,000	392,000	2,340,000

Project Title: Highway Maintenance Shop - Western Section**Project Number: 1122****Account Number: BLD084****Projected Annual FTE's: 0****Projected Operating Costs: \$3,000****Description:**

This project will provide for the construction of a 1,500 SF building addition to the garage area at the western section highway maintenance shop. Additional space is needed to perform maintenance on vehicles, which currently must occur outside (including during inclement weather).

Assumptions & Justifications:

The site is a highway maintenance facility in a remote area critical for winter weather operations and response to public emergency situations.

Highway maintenance is a core county service.

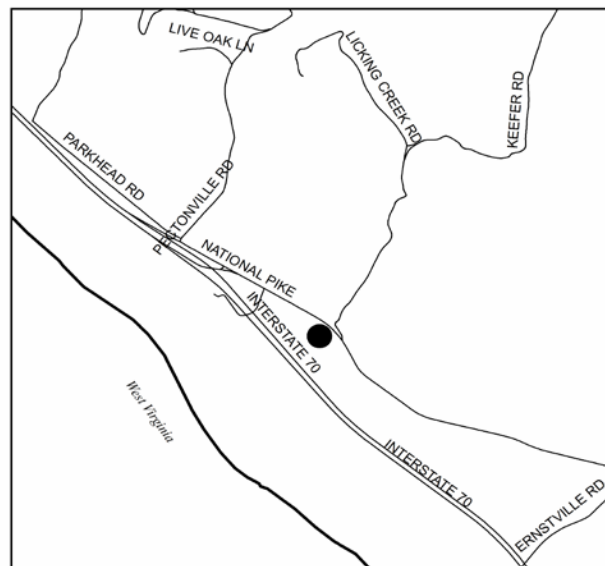
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	37,000	0	0	37,000	0	0	0	0	0
Construction	311,000	51,000	102,000	52,000	106,000	0	0	0	0
Inspection	32,000	0	0	0	32,000	0	0	0	0
Total Cost	380,000	51,000	102,000	89,000	138,000	0	0	0	0

Funding Sources:

General Fund	51,000	51,000	0	0	0	0	0	0	0
Highway Fund	89,000	0	0	89,000	0	0	0	0	0
Tax Supported Bond	240,000	0	102,000	0	138,000	0	0	0	0
Total Funding	380,000	51,000	102,000	89,000	138,000	0	0	0	0

Project Title: HWY Western Section - Fuel Tank Replacement**Project Number:** 1234**Account Number:** EQP056**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project will replace the existing diesel fuel center and add a gasoline fuel center at the western highway maintenance facility. The existing underground diesel storage tanks are old style steel tanks under impressed current cathodic protection. The addition of new gasoline tanks will provide 24 hour 7 days a week access for all county vehicles including Sheriff's Office and Board of Education vehicles operating in the western part of the County. The project includes modernizing the existing pump, addition of new pump, adding controlled access and integrated software systems to match existing fuel center systems used elsewhere in County government to provide connectivity to the central section highway shop software tracking system for billing and data collection. The project also includes a motorized entrance gate.

Assumptions & Justifications:

Tanks are 20+ years old and present an increased liability of an environmental release. This project will reduce operating expenses associated with fuel usage and vehicle maintenance.

This project will dramatically reduce the environmental threat of a leaking underground tank and pipes. This project will allow vehicles and employees operating in the western portion of the County, including law enforcement officers to remain in the area of service. By constructing this facility, these employees will not be taken out of their coverage area to refuel their vehicle.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	20,000	0	20,000	0	0	0	0	0	0
Construction	804,000	0	29,000	100,000	100,000	200,000	200,000	175,000	0
Inspection	51,000	0	51,000	0	0	0	0	0	0
Total Cost	875,000	0	100,000	100,000	100,000	200,000	200,000	175,000	0

Funding Sources:

Highway Fund	875,000	0	100,000	100,000	100,000	200,000	200,000	175,000	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Total Funding	875,000	0	100,000	100,000	100,000	200,000	200,000	175,000	0

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Solid Waste										
174	Contingency - Solid Waste	295,500	11,500	0	26,000	27,000	27,000	28,000	28,000	148,000
175	Close Out Cap - Rubble Fill	2,108,400	81,400	0	0	0	0	0	0	2,027,000
176	Resh Road Gas Trench	1,840,000	800,000	0	1,040,000	0	0	0	0	0
177	40 West Truck Loading Facility Rehab.& Upgrades	208,000	100,000	0	0	0	108,000	0	0	0
178	40 West Pavement Rehab and Bridge Repair	672,000	0	0	0	0	0	0	672,000	0
179	Seal Coating Closed Facilities	826,000	0	0	0	0	0	0	0	826,000
180	40 West Partial Capping	3,051,000	0	0	0	0	3,051,000	0	0	0
181	City County Upgrades	1,200,000	0	0	0	0	0	0	0	1,200,000
182	NPDES Compliance Upgrades	77,000	0	77,000	0	0	0	0	0	0
183	City/County Landfill Gas Study	26,000	0	26,000	0	0	0	0	0	0
Solid Waste Total		10,303,900	992,900	103,000	1,066,000	27,000	3,186,000	28,000	700,000	4,201,000
Funding Sources										
	General Fund	63,000	63,000	0	0	0	0	0	0	0
	Solid Waste Fund	653,900	429,900	0	26,000	27,000	27,000	28,000	28,000	88,000
	Self Supported Bond	9,087,000	0	103,000	1,040,000	0	3,159,000	0	672,000	4,113,000
	Capital Reserve - General	400,000	400,000	0	0	0	0	0	0	0
	Capital Reserve - Solid Waste	100,000	100,000	0	0	0	0	0	0	0
		10,303,900	992,900	103,000	1,066,000	27,000	3,186,000	28,000	700,000	4,201,000

Project Title: Contingency - Solid Waste**Project Number: 97****Account Number: ADM009****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

The purpose of this project is to maintain a budgetary reserve to provide for emergency or unanticipated expenditures.

Assumptions & Justifications:

Due to the inherent uncertainty in estimating capital project costs, it is the policy of the County to maintain project contingency. In the event that the capital contingency accounts have excess funds, the annual appropriation for that purpose may be modified to reflect the source of funds as determined through the budget process.

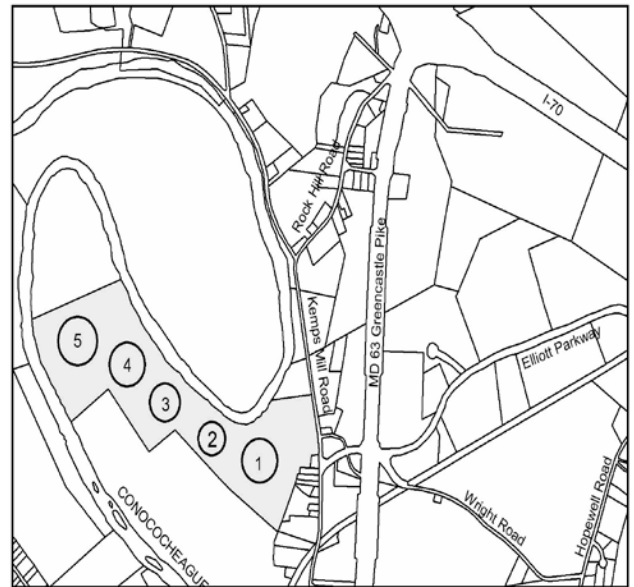
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Contingency	295,500	11,500	0	26,000	27,000	27,000	28,000	28,000	148,000
Other	0	0	0	0	0	0	0	0	0
Total Cost	295,500	11,500	0	26,000	27,000	27,000	28,000	28,000	148,000

Funding Sources:

Solid Waste Fund	235,500	11,500	0	26,000	27,000	27,000	28,000	28,000	88,000
Self Supported Bond	60,000	0	0	0	0	0	0	0	60,000
Total Funding	295,500	11,500	0	26,000	27,000	27,000	28,000	28,000	148,000

Project Title: Close Out Cap - Rubble Fill**Project Number:** 105**Account Number:** CAP003**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The purpose of the project is to design and construct a close out cap for the Rubble landfill.

Assumptions & Justifications:

At this point in time it is not known if a gas collection system will be required. If so, it will be a minimal passive system and should be considered included in the budget provided herein. Discussions with MDE staff indicate the facility permit can be routinely renewed, but the site kept inactive, as long as the facility is properly maintained. MDE stated they will not require capping to be installed prior to 2019 if no maintenance or compliance issues arise.

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	173,400	81,400	0	0	0	0	0	0	92,000
Construction	1,761,000	0	0	0	0	0	0	0	1,761,000
Inspection	174,000	0	0	0	0	0	0	0	174,000
Total Cost	2,108,400	81,400	0	0	0	0	0	0	2,027,000

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	2,027,000	0	0	0	0	0	0	0	2,027,000
Bond Proceeds	0	0	0	0	0	0	0	0	0
Revenue Bond Proceeds	0	0	0	0	0	0	0	0	0
Reappropriated Funds	0	0	0	0	0	0	0	0	0
Total Funding	2,108,400	81,400	0	0	0	0	0	0	2,027,000

Project Title: Resh Road Gas Trench**Project Number:** 998**Account Number:** LDI036**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project will purchase land adjacent to Resh Road Landfill and construct a landfill gas cutoff trench, flare system, and monitoring wells.

Assumptions & Justifications:

Methane gas has been found along the property line and adjacent property. Regulations state that landfill gas and other contaminants shall be kept within the landfill's property. The purchase of the land and construction of the trench, flares, and wells will help us conform to the regulations.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	127,000	75,000	0	52,000	0	0	0	0	0
Land Acquisition	358,000	150,000	0	208,000	0	0	0	0	0
Construction	1,176,000	500,000	0	676,000	0	0	0	0	0
Inspection	179,000	75,000	0	104,000	0	0	0	0	0
Total Cost	1,840,000	800,000	0	1,040,000	0	0	0	0	0

Funding Sources:

Solid Waste Fund	400,000	400,000	0	0	0	0	0	0	0
Self Supported Bond	1,040,000	0	0	1,040,000	0	0	0	0	0
Capital Reserve - General	400,000	400,000	0	0	0	0	0	0	0
Total Funding	1,840,000	800,000	0	1,040,000	0	0	0	0	0

Project Title: 40 West Truck Loading Facility Rehab & Upgrades

Project Number: 1127

Account Number: BLD072

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

Rehabilitation and upgrades to the existing leachate pump station at 40 West Landfill to address concerns with aging infrastructure.

Assumptions & Justifications:

The infrastructure was constructed in 2000, the rehabilitation and upgrades will be per manufacturer's recommendations.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	208,000	100,000	0	0	0	108,000	0	0	0
Total Cost	208,000	100,000	0	0	0	108,000	0	0	0

Funding Sources:

Self Supported Bond	108,000	0	0	0	0	108,000	0	0	0
Capital Reserve - Solid Waste	100,000	100,000	0	0	0	0	0	0	0
Total Funding	208,000	100,000	0	0	0	108,000	0	0	0

Project Title: 40 West Pavement Rehab and Bridge Repair

Project Number: 1129

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project includes milling and paving roads and parking lots at the 40 West Landfill. This project will include any maintenance that may be required on the Earthcare Road Bridge.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	672,000	0	0	0	0	0	0	672,000	0
Total Cost	672,000	0	0	0	0	0	0	672,000	0

Funding Sources:

Self Supported Bond	672,000	0	0	0	0	0	0	672,000	0
Total Funding	672,000	0	0	0	0	0	0	672,000	0

Project Title: Seal Coating Closed Facilities**Project Number:** 1138**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project will Seal Coat Resh Road and City/County Landfill pavement.

Assumptions & Justifications:

Existing pavements at the closed facilities will be in need of pavement maintenance. The pavement needs to be maintained for maintenance vehicles and leachate hauling vehicles.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	826,000	0	0	0	0	0	0	0	826,000
Total Cost	826,000	0	0	0	0	0	0	0	826,000

Funding Sources:

Self Supported Bond	826,000	0	0	0	0	0	0	0	826,000
Total Funding	826,000	0	0	0	0	0	0	0	826,000

Project Title: 40 West Partial Capping**Project Number:** 1139**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project provides for partial capping of the 40 West Landfill to reduce leachate generation.

Assumptions & Justifications:

Original project was divided into three projects over three years. Reducing the project from three projects to one reduces the overall cost of the construction, design and inspection. The capping material was changed to a rain cover which also reduced cost. This change was made since the Material Recovery Facility will be mining the trash from the existing cells. Only a temporary cap is needed.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	189,000	0	0	0	0	189,000	0	0	0
Construction	2,700,000	0	0	0	0	2,700,000	0	0	0
Inspection	162,000	0	0	0	0	162,000	0	0	0
Total Cost	3,051,000	0	0	0	0	3,051,000	0	0	0

Funding Sources:

Self Supported Bond	3,051,000	0	0	0	0	3,051,000	0	0	0
Total Funding	3,051,000	0	0	0	0	3,051,000	0	0	0

Project Title: City County Upgrades**Project Number:** 1241**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This project will upgrade and maintain existing infrastructure at the City/County Landfill to ensure compliance with state and federal regulations. Upgrades may include but are not limited to, pumping systems maintenance, leachate tank maintenance or adding cover material.

Assumptions & Justifications:

The project will ensure that the County remain in compliance with Federal and State regulation.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,200,000	0	0	0	0	0	0	0	1,200,000
Total Cost	1,200,000	0	0	0	0	0	0	0	1,200,000

Funding Sources:

Self Supported Bond	1,200,000	0	0	0	0	0	0	0	1,200,000
Total Funding	1,200,000	0	0	0	0	0	0	0	1,200,000

Project Title: NPDES Compliance Upgrades

Project Number: 1256

Account Number: LDI049

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project provides for construction of a water collection system at the Landfill Maintenance Building that is required due to changing regulations.

Assumptions & Justifications:

Due to newly adopted NPDES regulations, runoff and wash water from the Maintenance Building will be required to be captured and treated as leachate.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	77,000	0	77,000	0	0	0	0	0	0
Total Cost	77,000	0	77,000	0	0	0	0	0	0

Funding Sources:

Self Supported Bond	77,000	0	77,000	0	0	0	0	0	0
Total Funding	77,000	0	77,000	0	0	0	0	0	0

Project Title: City/County Landfill Gas Study**Project Number:** 1257**Account Number:** STY021**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project will perform a gas study of the properties surrounding the City/County Landfill to verify compliance with the current regulations.

Assumptions & Justifications:

Landfill gas monitoring wells were installed on site in 2013. Since the wells were installed, the wells along the eastern property lines have had gas readings above MDE Standards. MDE will require that the gas study be completed to verify whether the gas is migrating from the landfill site to adjacent properties.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	26,000	0	26,000	0	0	0	0	0	0
Total Cost	26,000	0	26,000	0	0	0	0	0	0

Funding Sources:

Self Supported Bond	26,000	0	26,000	0	0	0	0	0	0
Total Funding	26,000	0	26,000	0	0	0	0	0	0

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Transit										
186	Fixed Route Bus Replacement Program	4,923,600	924,600	0	0	0	2,114,000	842,000	0	1,043,000
187	ADA Bus Replacement	1,012,000	136,000	72,000	0	76,000	89,000	107,000	0	532,000
188	Vehicle Maintenance Program	3,118,629	343,629	255,000	260,000	265,000	270,000	275,000	280,000	1,170,000
189	Heavy Duty Vehicle Lifting System	47,000	0	47,000	0	0	0	0	0	0
190	RouteMatch Notification Module	27,000	0	27,000	0	0	0	0	0	0
191	Fuel Monitoring System	16,000	0	16,000	0	0	0	0	0	0
Transit Total		9,144,229	1,404,229	417,000	260,000	341,000	2,473,000	1,224,000	280,000	2,745,000
Funding Sources										
	General Fund	815,319	138,319	0	24,000	31,000	228,000	113,000	26,000	255,000
	Capital Reserve - General	37,000	0	37,000	0	0	0	0	0	0
	Federal Grant	7,428,797	1,125,797	339,000	212,000	278,000	2,015,000	996,000	228,000	2,235,000
	State Grant	863,113	140,113	41,000	24,000	32,000	230,000	115,000	26,000	255,000
		9,144,229	1,404,229	417,000	260,000	341,000	2,473,000	1,224,000	280,000	2,745,000

Project Title: Fixed Route Bus Replacement Program**Project Number:** 134**Account Number:** VEH003**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

FY 19 - Replace nine (9) fixed-route transit buses, Units 701 - 709 which will become 716 - 724
 FY 20 - Replace three (3) fixed-route transit buses, Units 710 - 712 which will become 725 - 727
 FY 22 - Replace three (3) fixed-route transit buses, Units 713 - 715 which will become 728 - 730
 FY 27 - Replace nine (9) fixed-route transit buses, Units 716- 724 which will become 731 - 739
 FY 28 - Replace three (3) fixed-route transit buses, Units 725 - 727 which will become 740 - 742
 FY 30 - Replace three (3) fixed-route transit buses, Units 728 - 730 which will become 743 - 745
 FY 35 - Replace nine (9) fixed-route transit buses, Units 731 - 739 which will become 746 - 754
 FY 36 - Replace three (3) fixed-route transit buses, Units 740 - 742 which will become 755 - 757

Assumptions & Justifications:

All out-year procurements will be based on available grant funds from MTA and local match approval. Dollar figures shown are provided by MTA based on the current small/mid-size bus contract. The project funding assumes 80% Federal, 10% State, 10% Local.

Following the Maryland Transit Administration (MTA) useful life criteria, MTA provides grant funding to replace existing vehicles when they reach the end of the useful life criteria. Out years are projected based on the current useful life schedule.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	0	0	0	0	0	0	0	0	0
Vehicles	4,923,600	924,600	0	0	0	2,114,000	842,000	0	1,043,000
Total Cost	4,923,600	924,600	0	0	0	2,114,000	842,000	0	1,043,000

Funding Sources:

General Fund	462,500	92,500	0	0	0	195,000	78,000	0	97,000
Federal Grant	3,996,700	739,700	0	0	0	1,723,000	685,000	0	849,000
State Grant	464,400	92,400	0	0	0	196,000	79,000	0	97,000
Total Funding	4,923,600	924,600	0	0	0	2,114,000	842,000	0	1,043,000

Project Title: ADA Bus Replacement**Project Number: 138****Account Number: VEH005****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

FY 16 - Replace one (1) ADA Program bus (Unit 504) becomes 507
 FY 18 - Replace one (1) ADA Program bus (Unit 505) becomes 508
 FY 19 - Replace one (1) ADA Program bus (Unit 506) becomes 509
 FY 20 - Replace one (1) ADA Program bus (Unit 507) becomes 510
 FY 23 - Replace one (1) ADA Program bus (Unit 508) becomes 511
 FY 24 - Replace one (1) ADA Program bus (Unit 509) becomes 512
 FY 25 - Replace one (1) ADA Program bus (Unit 510) becomes 513
 FY 28 - Replace one (1) ADA Program bus (Unit 511) becomes 514
 FY 29 - Replace one (1) ADA Program bus (Unit 512) becomes 515
 FY 30 - Replace one (1) ADA Program bus (Unit 513) becomes 516
 FY 33 - Replace one (1) ADA Program bus (Unit 514) becomes 517
 FY 34 - Replace one (1) ADA Program bus (Unit 515) becomes 518
 FY 35 - Replace one (1) ADA Program bus (Unit 516) becomes 519

Assumptions & Justifications:

All out-year procurements will be based on available grant funds from MTA and local match approval. Dollar figures shown are provided by MTA based on the current small/mid-size bus contract. The project funding assumes 80% Federal, 10% State, 10% Local.

Following the Maryland Transit Administration (MTA) useful life criteria, MTA provides grant funding to replace existing vehicles when they reach the end of the useful life criteria. Out years are projected based on the current useful life schedule.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	1,012,000	136,000	72,000	0	76,000	89,000	107,000	0	532,000
Total Cost	1,012,000	136,000	72,000	0	76,000	89,000	107,000	0	532,000

Funding Sources:

General Fund	85,100	11,100	0	0	7,000	8,000	10,000	0	49,000
Capital Reserve - General	6,000	0	6,000	0	0	0	0	0	0
Federal Grant	825,100	111,100	59,000	0	62,000	72,000	87,000	0	434,000
State Grant	95,800	13,800	7,000	0	7,000	9,000	10,000	0	49,000
Total Funding	1,012,000	136,000	72,000	0	76,000	89,000	107,000	0	532,000

Project Title: Vehicle Maintenance Program**Project Number: 1083****Account Number: EQP021****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

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

Assumptions & Justifications:

The project assumes funding 80% Federal, 10% State, 10% Local and is contingent on grant funding. Federal Transit Administration (FTA) determinations now allow for expenses such as tools, equipment, repair materials, and preventative care for the fleet of transit vehicles and transit facilities to be capitalized.

Maintaining federally funded assets is a priority to the Federal Transit Administration (FTA), Maryland Transit Administration (MTA) and Washington County Transit (WCT).

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	3,118,629	343,629	255,000	260,000	265,000	270,000	275,000	280,000	1,170,000
Total Cost	3,118,629	343,629	255,000	260,000	265,000	270,000	275,000	280,000	1,170,000

Funding Sources:

General Fund	267,719	34,719	0	24,000	24,000	25,000	25,000	26,000	109,000
Capital Reserve - General	23,000	0	23,000	0	0	0	0	0	0
Federal Grant	2,534,997	274,997	208,000	212,000	216,000	220,000	224,000	228,000	952,000
State Grant	292,913	33,913	24,000	24,000	25,000	25,000	26,000	26,000	109,000
Total Funding	3,118,629	343,629	255,000	260,000	265,000	270,000	275,000	280,000	1,170,000

Project Title: Heavy Duty Vehicle Lifting System**Project Number: 1273****Account Number: EQP057****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project is to replace the heavy duty vehicle lift system that is utilized in the Transit Department Shop. The current system is circa 1980 and has been deemed obsolete by the manufacturer. Service and parts are no longer supported by the dealership.

Assumptions & Justifications:

Project funding assume 80% Federal, 10% State and 10% Local and is contingent on grant funding.

The existing in-house lifts facilitate fleet techs with repairs to rolling stock (buses). There is only one set of lifts for a 21 vehicle fleet.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	47,000	0	47,000	0	0	0	0	0	0
Total Cost	47,000	0	47,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Capital Reserve - General	5,000	0	5,000	0	0	0	0	0	0
Federal Grant	37,000	0	37,000	0	0	0	0	0	0
State Grant	5,000	0	5,000	0	0	0	0	0	0
Total Funding	47,000	0	47,000	0	0	0	0	0	0

Project Title: RouteMatch Notification Module**Project Number: 1274****Account Number: EQP058****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

Within the past 2-3 years various levels of RouteMatch Dispatch Software has been implemented to assist with the scheduling of demand response (ADA Paratransit & JOBS) transportation trips throughout the transit system service area. Each element has shown vast improvement in efficiencies allowing more users to schedule their trips within an allotted daily time frame. With each upward tick in ridership, additional demands are placed on departmental staff. The Notification Module described here within will automatically call customers reminding them of their scheduled trips saving staff time that can be applied to other areas of operations.

Assumptions & Justifications:

Project funding assume 80% Federal, 10% State and 10% Local and is contingent on grant funding.

Dispatch Software Programming has proven itself as an efficient mode of aligning transportation trips. The Notification Software is the next step in program design. Upon implementation it is anticipated we will pursue the Fixed-Route module in the near future.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Hardware/Software	27,000	0	27,000	0	0	0	0	0	0
Total Cost	27,000	0	27,000	0	0	0	0	0	0

Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Capital Reserve - General	2,000	0	2,000	0	0	0	0	0	0
Federal Grant	22,000	0	22,000	0	0	0	0	0	0
State Grant	3,000	0	3,000	0	0	0	0	0	0
Total Funding	27,000	0	27,000	0	0	0	0	0	0

Project Title: Fuel Monitoring System**Project Number: 1275****Account Number: EQP059****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project is for the replacement of antiquated fuel monitoring system that tracks fuel pouring use, leak detection, and data reports utilized by Federal & State regulators. The current system is considered obsolete and the software program is no longer supported by MS Windows XP operating system. Most replacement parts are unavailable.

Assumptions & Justifications:

Project funding assume 80% Federal, 10% State and 10% Local and is contingent on grant funding.

Underground storage of petroleum products (ie: diesel fuel) is heavily monitored and regulated by Federal and State mandates. A well-functioning fuel monitoring system is essential to maintain compliance with such directives.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	16,000	0	16,000	0	0	0	0	0	0
Total Cost	16,000	0	16,000	0	0	0	0	0	0

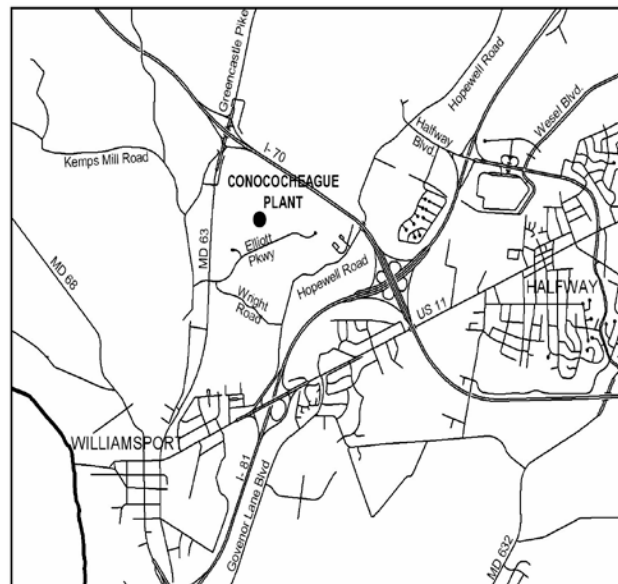
Funding Sources:

General Fund	0	0	0	0	0	0	0	0	0
Capital Reserve - General	1,000	0	1,000	0	0	0	0	0	0
Federal Grant	13,000	0	13,000	0	0	0	0	0	0
State Grant	2,000	0	2,000	0	0	0	0	0	0
Total Funding	16,000	0	16,000	0	0	0	0	0	0

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Washington County, Maryland
Capital Improvement 10yr Summary
Fiscal Year 2016 - 2025

Page	Project	Total	Prior Appr.	Ten Year Capital Program						
				FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Future
Project Costs										
Water Quality										
194	General Building Improvements	1,257,000	101,000	0	0	0	540,000	616,000	0	0
195	Laboratory Rehab of Ventilation System	265,000	0	0	0	265,000	0	0	0	0
196	WQ Equip/Vehicle Replacement Program	1,148,977	125,977	94,000	96,000	98,000	99,000	102,000	103,000	431,000
197	Smithsburg WwTP - ENR Upgrades	16,448,970	5,253,970	0	0	0	0	5,595,000	5,600,000	0
198	Pump Station Upgrades - Various Stations	1,777,700	747,700	510,000	520,000	0	0	0	0	0
199	Conococheague WwTP - ENR Upgrades	34,982,410	19,298,410	7,765,500	7,918,500	0	0	0	0	0
200	Replace PO 2 Pump Station	1,324,000	0	0	1,324,000	0	0	0	0	0
201	Potomac Edison Pump Station & Force Main	1,515,000	0	0	1,515,000	0	0	0	0	0
202	Antietam WwTP - ENR Upgrades	2,298,000	1,108,000	0	0	0	0	0	0	1,190,000
203	New Roof at Conococheague WwTP	258,000	0	128,000	130,000	0	0	0	0	0
204	General WwTP Improvements	3,401,000	0	0	0	0	0	0	0	3,401,000
205	Collection System Rehabilitation Project	3,574,000	0	204,000	0	795,000	810,000	0	0	1,765,000
206	Sandy Hook WwTP	798,000	0	0	0	0	0	0	0	798,000
207	Heavy Sewer EQP and VEH	693,000	124,000	103,000	89,000	91,000	38,000	39,000	40,000	169,000
208	Replace Grinder Pumps	727,000	41,000	26,000	26,000	27,000	82,000	84,000	85,000	356,000
209	PO 1 Pump Station Expansion	1,530,000	0	1,530,000	0	0	0	0	0	0
210	WQ Water Main and Meter Replacement	1,466,105	102,105	102,000	104,000	106,000	0	0	0	1,052,000
211	Sandy Hook Water Treatment Plant EQP	108,000	0	0	0	0	108,000	0	0	0
212	General WTP Improvements	968,151	11,151	106,000	0	0	0	0	251,000	600,000
213	Sharpsburg Water Treatment Plant	212,000	0	0	0	212,000	0	0	0	0
214	Mt Aetna Water System Improvements	560,000	0	0	0	0	0	0	560,000	0
215	Highfield/Sharpsburg Water Storage Tank	342,000	0	0	0	0	0	0	0	342,000
216	Sharpsburg Transite Pipe Replacement	2,400,000	0	0	0	0	0	0	0	2,400,000
Water Quality Total		78,054,313	26,913,313	10,568,500	11,722,500	1,594,000	1,677,000	6,436,000	6,639,000	12,504,000
Funding Sources										
	General Fund	451,900	451,900	0	0	0	0	0	0	0
	Utility Admin Fund	1,249,977	226,977	94,000	96,000	98,000	99,000	102,000	103,000	431,000
	Water Fund	425,256	113,256	102,000	104,000	106,000	0	0	0	0
	Sewer Fund	3,860,610	2,605,610	129,000	115,000	118,000	120,000	123,000	125,000	525,000
	Tax Supported Bond	68,000	68,000	0	0	0	0	0	0	0
	Self Supported Bond	49,535,170	8,316,170	8,533,000	6,916,000	1,272,000	1,458,000	5,081,000	6,411,000	11,548,000
	Capital Reserve - Sewer	41,000	41,000	0	0	0	0	0	0	0
	State Grant	20,051,400	15,090,400	1,710,500	2,120,500	0	0	1,130,000	0	0
	Contributions	2,371,000	0	0	2,371,000	0	0	0	0	0
		78,054,313	26,913,313	10,568,500	11,722,500	1,594,000	1,677,000	6,436,000	6,639,000	12,504,000

Project Title: General Building Improvements**Project Number: 113****Account Number: BLD073****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

The project will provide for general building improvements to the administration office building and maintenance building on the Conococheague Complex.

Assumptions & Justifications:

The buildings are in need of improvements due to normal aging and recommendations by the manufacturer of the building.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,257,000	101,000	0	0	0	540,000	616,000	0	0
Total Cost	1,257,000	101,000	0	0	0	540,000	616,000	0	0

Funding Sources:

Utility Admin Fund	101,000	101,000	0	0	0	0	0	0	0
Self Supported Bond	1,156,000	0	0	0	0	540,000	616,000	0	0
Total Funding	1,257,000	101,000	0	0	0	540,000	616,000	0	0

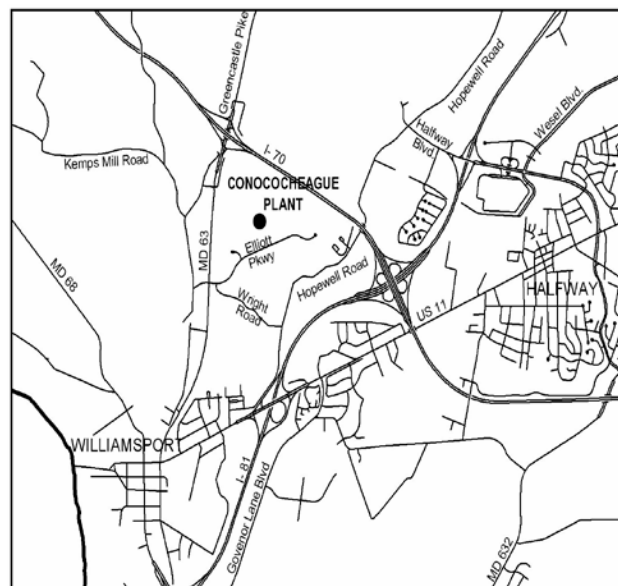
Project Title: Laboratory Rehab of Ventilation System

Project Number: 1162

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project will upgrade the existing ventilation system within the laboratory.

Assumptions & Justifications:

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	265,000	0	0	0	265,000	0	0	0	0
Total Cost	265,000	0	0	0	265,000	0	0	0	0

Funding Sources:

Self Supported Bond	265,000	0	0	0	265,000	0	0	0	0
Total Funding	265,000	0	0	0	265,000	0	0	0	0

Project Title: WQ Equip/Vehicle Replacement Program**Project Number:** 1175**Account Number:** VEH007**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

The goal of the replacement program is to strike a balance for minimizing replacement costs versus maintenance and fuel costs. The program allows for the purchase of replacement vehicles and equipment used to provide services within the Water Quality service areas.

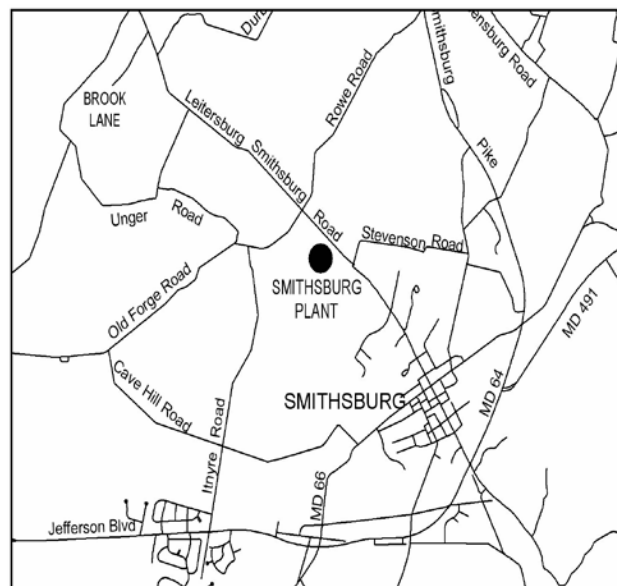
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	297,000	17,000	26,000	26,000	27,000	27,000	28,000	28,000	118,000
Vehicles	851,977	108,977	68,000	70,000	71,000	72,000	74,000	75,000	313,000
Total Cost	1,148,977	125,977	94,000	96,000	98,000	99,000	102,000	103,000	431,000

Funding Sources:

Utility Admin Fund	1,148,977	125,977	94,000	96,000	98,000	99,000	102,000	103,000	431,000
Water Fund	0	0	0	0	0	0	0	0	0
Sewer Fund	0	0	0	0	0	0	0	0	0
Self Supported Bond	0	0	0	0	0	0	0	0	0
Total Funding	1,148,977	125,977	94,000	96,000	98,000	99,000	102,000	103,000	431,000

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

The project will upgrade the facility to address Maryland Department of the Environment (MDE) strategy for Enhanced Nutrient Removal (ENR) and expand capacity to address growth needs of the area.

Assumptions & Justifications:

Pending grant funding approval

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

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	435,470	435,470	0	0	0	0	0	0	0
Construction	16,013,500	4,818,500	0	0	0	0	5,595,000	5,600,000	0
Total Cost	16,448,970	5,253,970	0	0	0	0	5,595,000	5,600,000	0

Funding Sources:

Sewer Fund	0	0	0	0	0	0	0	0	0
Tax Supported Bond	68,000	68,000	0	0	0	0	0	0	0
Self Supported Bond	14,918,670	4,853,670	0	0	0	0	4,465,000	5,600,000	0
Excise Tax - Other	0	0	0	0	0	0	0	0	0
State Grant	1,462,300	332,300	0	0	0	0	1,130,000	0	0
Total Funding	16,448,970	5,253,970	0	0	0	0	5,595,000	5,600,000	0

Project Title: Pump Station Upgrades - Various Stations

Project Number: 117

Account Number: LIN034

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project includes electrical and equipment upgrades.

Assumptions & Justifications:

Upgrades are required to address aging equipment issues.

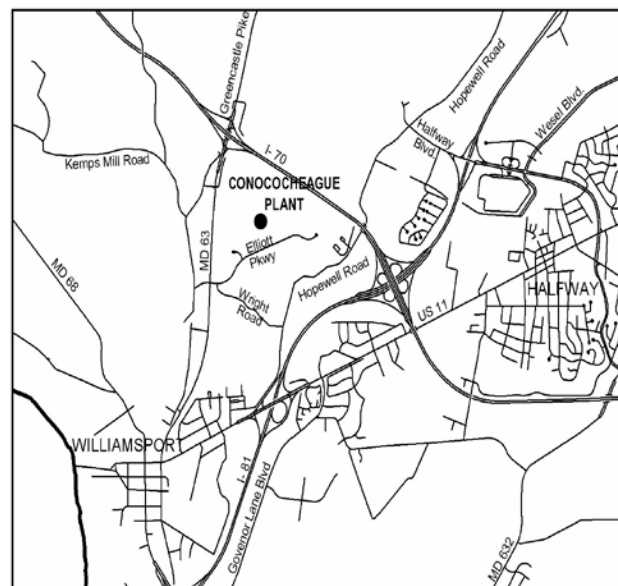
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,777,700	747,700	510,000	520,000	0	0	0	0	0
Total Cost	1,777,700	747,700	510,000	520,000	0	0	0	0	0

Funding Sources:

Sewer Fund	747,700	747,700	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Self Supported Bond	1,030,000	0	510,000	520,000	0	0	0	0	0
Total Funding	1,777,700	747,700	510,000	520,000	0	0	0	0	0

Project Title: Conococheague WwTP - ENR Upgrades**Project Number: 118****Account Number: TRP018****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project will plan, design, and construct upgrades required to meet Maryland Department of the Environment (MDE) Enhanced Nutrient Removal (ENR) strategy.

Assumptions & Justifications:

The upgrade is required to meet MDE's ENR Strategy.

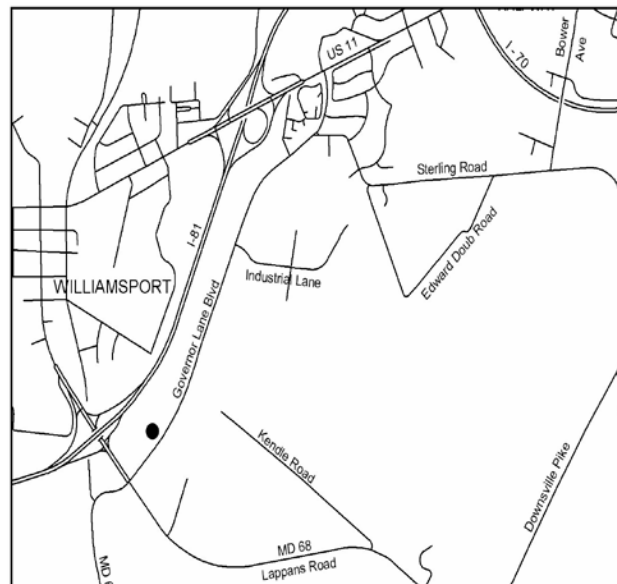
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	757,410	757,410	0	0	0	0	0	0	0
Construction	34,225,000	18,541,000	7,765,500	7,918,500	0	0	0	0	0
Total Cost	34,982,410	19,298,410	7,765,500	7,918,500	0	0	0	0	0

Funding Sources:

General Fund	451,900	451,900	0	0	0	0	0	0	0
Sewer Fund	1,135,910	1,135,910	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Self Supported Bond	15,215,500	2,952,500	6,055,000	6,208,000	0	0	0	0	0
Excise Tax - Other	0	0	0	0	0	0	0	0	0
State Grant	18,179,100	14,758,100	1,710,500	1,710,500	0	0	0	0	0
Total Funding	34,982,410	19,298,410	7,765,500	7,918,500	0	0	0	0	0

Project Title: Replace PO 2 Pump Station**Project Number:** 120**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project involves replacement of the PO 2 pump station.

Assumptions & Justifications:

The current pump station will be unable to handle future sewage flow attributed to development in the service area. Therefore, the pump station will need to be replaced at the developers expense to handle the projected flows.

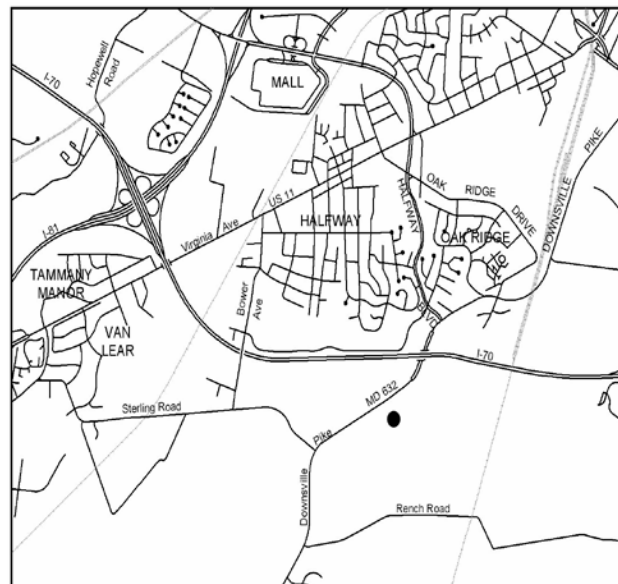
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,324,000	0	0	1,324,000	0	0	0	0	0
Total Cost	1,324,000	0	0	1,324,000	0	0	0	0	0

Funding Sources:

Self Supported Bond	0	0	0	0	0	0	0	0	0
Contributions	1,324,000	0	0	1,324,000	0	0	0	0	0
Total Funding	1,324,000	0	0	1,324,000	0	0	0	0	0

Project Title: Potomac Edison Pump Station & Force Main**Project Number:** 121**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project will provide for the relocation of the existing force main and the Potomac Edison pump station.

Assumptions & Justifications:

Pending grant funding approval

Relocation of the Potomac Edison pump station and force main is required to facilitate service of the properties in the revised Urban Growth Area Boundary.

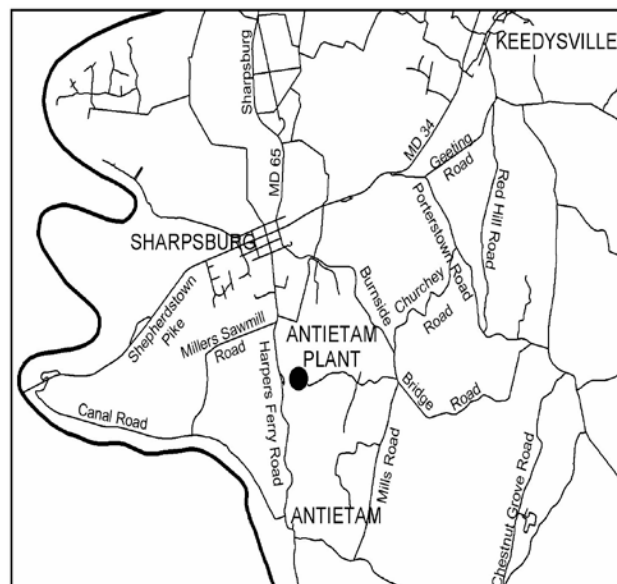
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,515,000	0	0	1,515,000	0	0	0	0	0
Total Cost	1,515,000	0	0	1,515,000	0	0	0	0	0

Funding Sources:

Self Supported Bond	58,000	0	0	58,000	0	0	0	0	0
State Grant	410,000	0	0	410,000	0	0	0	0	0
Contributions	1,047,000	0	0	1,047,000	0	0	0	0	0
Total Funding	1,515,000	0	0	1,515,000	0	0	0	0	0

Project Title: Antietam WwTP - ENR Upgrades**Project Number:** 122**Account Number:** TRP017**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project will upgrade the facility to meet current and future EPA and MDE permit requirements.

Assumptions & Justifications:

The project will upgrade the facility to address deteriorating conditions of the infrastructure due to aging and meet MDE's ENR Strategy requirements.

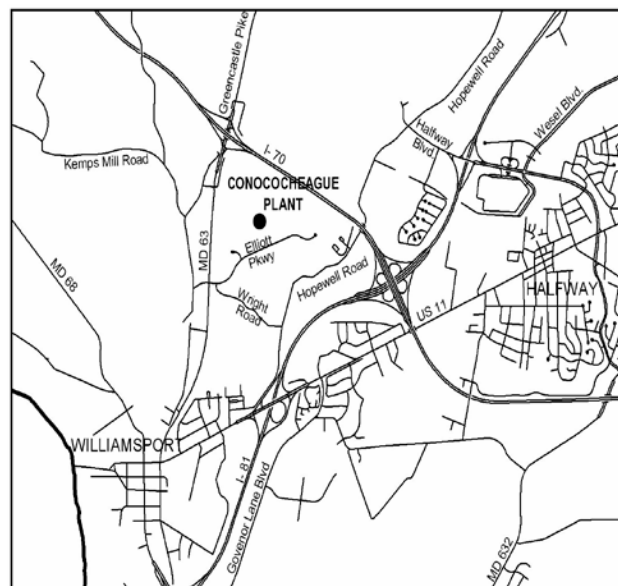
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	129,000	70,000	0	0	0	0	0	0	59,000
Construction	2,169,000	1,038,000	0	0	0	0	0	0	1,131,000
Total Cost	2,298,000	1,108,000	0	0	0	0	0	0	1,190,000

Funding Sources:

Sewer Fund	598,000	598,000	0	0	0	0	0	0	0
Tax Supported Bond	0	0	0	0	0	0	0	0	0
Self Supported Bond	1,700,000	510,000	0	0	0	0	0	0	1,190,000
Excise Tax - Other	0	0	0	0	0	0	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	2,298,000	1,108,000	0	0	0	0	0	0	1,190,000

Project Title: New Roof at Conococheague WwTP**Project Number:** 1077**Account Number:** BLD090**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project involves the replacement of operational building roofs at the Conococheague Wastewater Treatment Plant.

Assumptions & Justifications:

Inspection of the roofs has shown 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	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	258,000	0	128,000	130,000	0	0	0	0	0
Total Cost	258,000	0	128,000	130,000	0	0	0	0	0

Funding Sources:

Self Supported Bond	258,000	0	128,000	130,000	0	0	0	0	0
Total Funding	258,000	0	128,000	130,000	0	0	0	0	0

Project Title: General WwTP Improvements

Project Number: 1078

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project involves general upgrades including electrical systems and equipment as required to address aging infrastructure and regulatory requirements.

Assumptions & Justifications:

Upgrades are required to address aging infrastructure and equipment. Some of these upgrades may not have been accomplished under previous projects due to grant funding restrictions.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	118,000	0	0	0	0	0	0	0	118,000
Construction	3,283,000	0	0	0	0	0	0	0	3,283,000
Total Cost	3,401,000	0	0	0	0	0	0	0	3,401,000

Funding Sources:

Self Supported Bond	3,401,000	0	0	0	0	0	0	0	3,401,000
Total Funding	3,401,000	0	0	0	0	0	0	0	3,401,000

Project Title: Collection System Rehabilitation Project

Project Number: 1159

Account Number: LIN040

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

This project will rehabilitate existing sewer lines.

Assumptions & Justifications:

The Collection Systems in the County are aging and showing normal deterioration which requires repairs, slip lining or replacement to reduce the amount of Inflow and Infiltration (I&I) entering the system and to reduce the potential of line breaks and sewer overflows. I&I impacts the budget by increasing the amount of water requiring treatment without increasing the revenue to pay for this expense. Sewer line breaks and sewer overflows cause environmental issues.

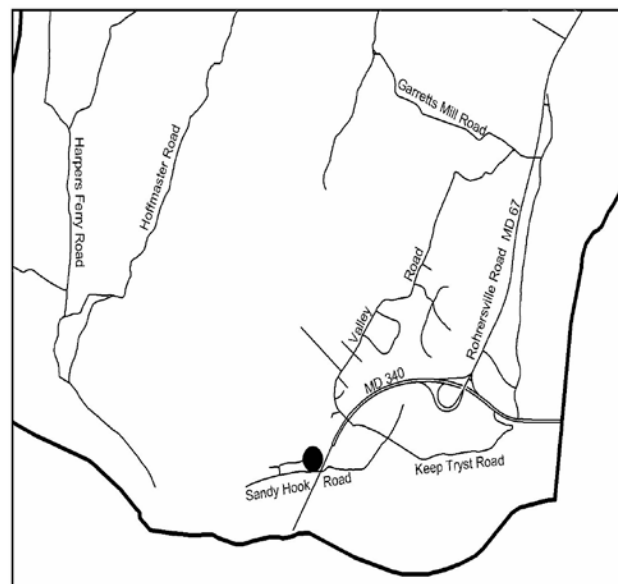
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	3,574,000	0	204,000	0	795,000	810,000	0	0	1,765,000
Total Cost	3,574,000	0	204,000	0	795,000	810,000	0	0	1,765,000

Funding Sources:

Self Supported Bond	3,574,000	0	204,000	0	795,000	810,000	0	0	1,765,000
Total Funding	3,574,000	0	204,000	0	795,000	810,000	0	0	1,765,000

Project Title: Sandy Hook WwTP**Project Number: 1172****Account Number:****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

This project will provide for the treatment plant upgrade.

Assumptions & Justifications:

Aging equipment will be reaching the manufacturer's useful life and will require upgrades or repairs.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	114,000	0	0	0	0	0	0	0	114,000
Construction	684,000	0	0	0	0	0	0	0	684,000
Total Cost	798,000	0	0	0	0	0	0	0	798,000

Funding Sources:

Self Supported Bond	798,000	0	0	0	0	0	0	0	798,000
Total Funding	798,000	0	0	0	0	0	0	0	798,000

Project Title: Heavy Sewer EQP and VEH Replacement**Project Number:** 1215**Account Number:** VEH010**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

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

Assumptions & Justifications:

The goal of the replacement program is to strike a balance for minimizing replacement costs versus maintenance and fuel costs. The program allows for the purchase of replacement vehicles and equipment used to provide services within the Water Quality service areas.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	118,000	63,000	18,000	3,000	3,000	3,000	4,000	4,000	20,000
Vehicles	575,000	61,000	85,000	86,000	88,000	35,000	35,000	36,000	149,000
Total Cost	693,000	124,000	103,000	89,000	91,000	38,000	39,000	40,000	169,000

Funding Sources:

Sewer Fund	693,000	124,000	103,000	89,000	91,000	38,000	39,000	40,000	169,000
Total Funding	693,000	124,000	103,000	89,000	91,000	38,000	39,000	40,000	169,000

Project Title: Replace Grinder Pumps**Project Number:** 1251**Account Number:** EQP055**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project will provide the replacement of core units of aging infrastructure and will extend the life of the system.

Assumptions & Justifications:

Some of the existing grinder pumps have reached their life expectancy and need to be replaced.

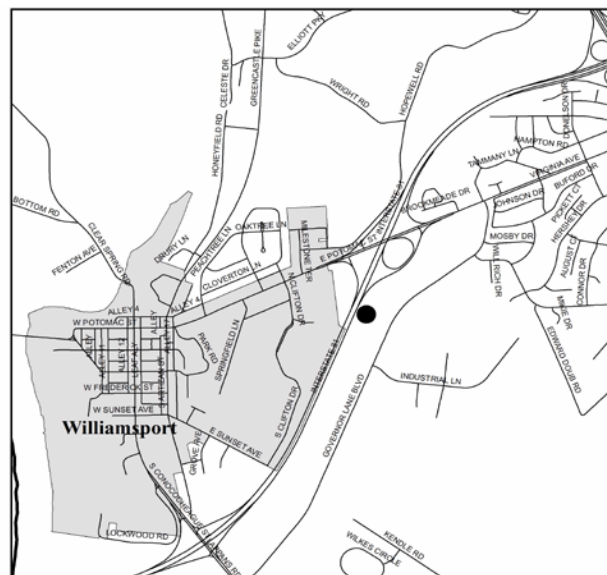
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Equipment/Furniture	727,000	41,000	26,000	26,000	27,000	82,000	84,000	85,000	356,000
Total Cost	727,000	41,000	26,000	26,000	27,000	82,000	84,000	85,000	356,000

Funding Sources:

Sewer Fund	686,000	0	26,000	26,000	27,000	82,000	84,000	85,000	356,000
Capital Reserve - Sewer	41,000	41,000	0	0	0	0	0	0	0
Total Funding	727,000	41,000	26,000	26,000	27,000	82,000	84,000	85,000	356,000

Project Title: PO 1 Pump Station Expansion**Project Number:** 1258**Account Number:** LIN041**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This project is to upgrade the existing pump station.

Assumptions & Justifications:

The Pump Station is currently operating above design capacity and unable to accept any additional flow from new development. The upgrade is required to provide wastewater service to the pump station drainage area.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Engineering/Design	71,000	0	71,000	0	0	0	0	0	0
Construction	1,459,000	0	1,459,000	0	0	0	0	0	0
Total Cost	1,530,000	0	1,530,000	0	0	0	0	0	0

Funding Sources:

Self Supported Bond	1,530,000	0	1,530,000	0	0	0	0	0	0
Total Funding	1,530,000	0	1,530,000	0	0	0	0	0	0

Project Title: WQ Water Main and Meter Replacement

Project Number: 130

Account Number: LIN004

Projected Annual FTE's: 0

Projected Operating Costs: \$0

Description:

The project will replace aging water mains and meters in various water distribution systems.

Assumptions & Justifications:

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

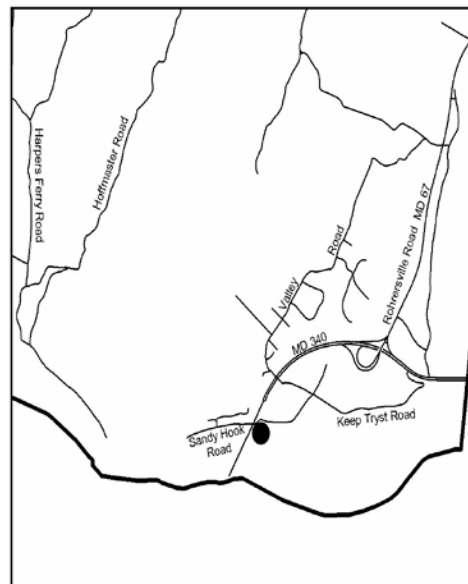
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	1,466,105	102,105	102,000	104,000	106,000	0	0	0	1,052,000
Total Cost	1,466,105	102,105	102,000	104,000	106,000	0	0	0	1,052,000

Funding Sources:

Water Fund	414,105	102,105	102,000	104,000	106,000	0	0	0	0
Self Supported Bond	1,052,000	0	0	0	0	0	0	0	1,052,000
Total Funding	1,466,105	102,105	102,000	104,000	106,000	0	0	0	1,052,000

Project Title: Sandy Hook Water Treatment Plant EQP**Project Number: 131****Account Number:****Projected Annual FTE's: 0****Projected Operating Costs: \$0****Description:**

The project will upgrade and replace water treatment equipment at Sandy Hook.

Assumptions & Justifications:

Upgrade and or replacement is required due to the age of the equipment and manufacturer's recommendation.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	108,000	0	0	0	0	108,000	0	0	0
Total Cost	108,000	0	0	0	0	108,000	0	0	0

Funding Sources:

Water Fund	0	0	0	0	0	0	0	0	0
Self Supported Bond	108,000	0	0	0	0	108,000	0	0	0
State Grant	0	0	0	0	0	0	0	0	0
Total Funding	108,000	0	0	0	0	108,000	0	0	0

Project Title: General WTP Improvements**Project Number:** 132**Account Number:** TRP025**Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project involves general upgrades to water treatment plants including electrical systems and equipment.

Assumptions & Justifications:

Upgrades are required to address aging equipment, maintain a high level of water quality, and address Federal and State regulations.

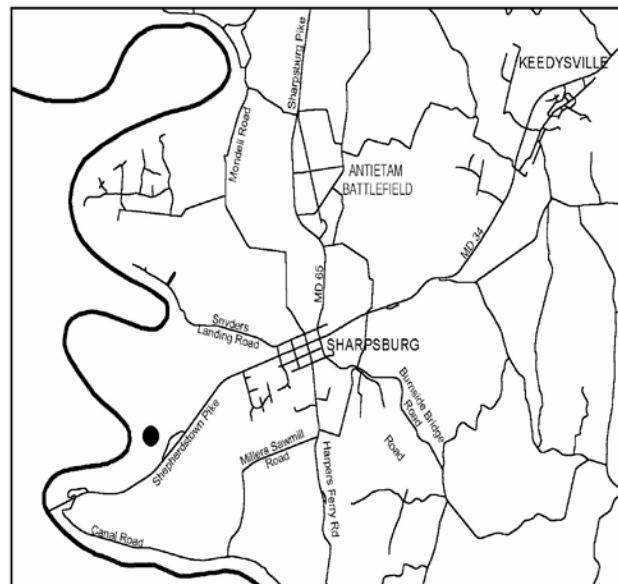
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	968,151	11,151	106,000	0	0	0	0	251,000	600,000
Total Cost	968,151	11,151	106,000	0	0	0	0	251,000	600,000

Funding Sources:

Water Fund	11,151	11,151	0	0	0	0	0	0	0
Self Supported Bond	957,000	0	106,000	0	0	0	0	251,000	600,000
Total Funding	968,151	11,151	106,000	0	0	0	0	251,000	600,000

Project Title: Sharpsburg Water Treatment Plant**Project Number:** 1161**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project includes Sharpsburg Water Treatment Plant upgrades required by Federal and State regulations.

Assumptions & Justifications:

Regulations continue to become more restrictive, thus requiring the plant to be upgraded to insure compliance with Drinking Water Regulations.

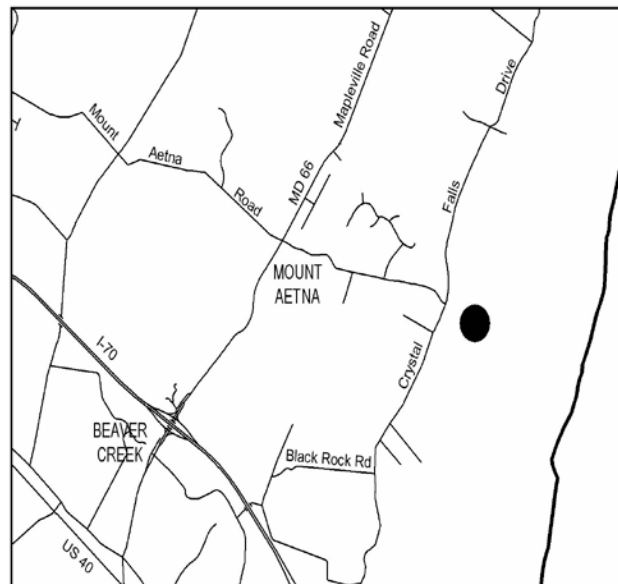
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	212,000	0	0	0	212,000	0	0	0	0
Total Cost	212,000	0	0	0	212,000	0	0	0	0

Funding Sources:

Self Supported Bond	212,000	0	0	0	212,000	0	0	0	0
Total Funding	212,000	0	0	0	212,000	0	0	0	0

Project Title: Mt Aetna Water System Improvements**Project Number:** 1169**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

The project includes general plant and system improvements.

Assumptions & Justifications:

The project includes the replacement and upgrade of aging infrastructure and manufacturer recommendations.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	560,000	0	0	0	0	0	0	560,000	0
Total Cost	560,000	0	0	0	0	0	0	560,000	0

Funding Sources:

Self Supported Bond	560,000	0	0	0	0	0	0	560,000	0
Total Funding	560,000	0	0	0	0	0	0	560,000	0

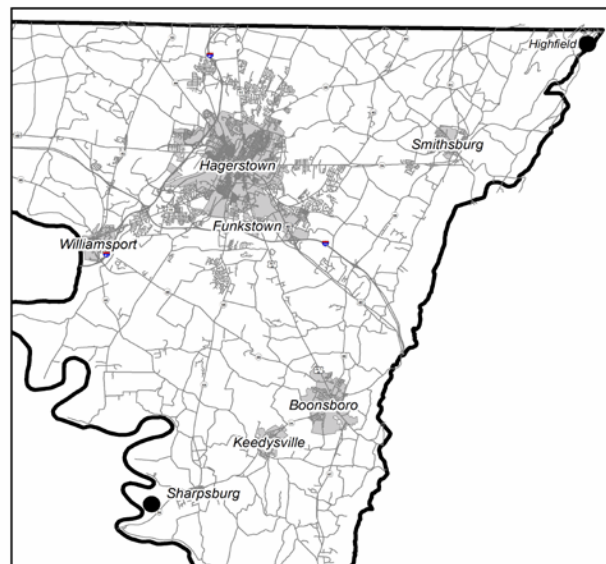
Project Title: Highfield/Sharpsburg Water Storage Tank

Project Number: 1170

Account Number:

Projected Annual FTE's: 0

Projected Operating Costs: \$0



Description:

The project includes rehabilitation of the existing water storage tanks.

Assumptions & Justifications:

Rehabilitation of the tank structures is required as they age to extend their life expectancy and for the continuation of operation.

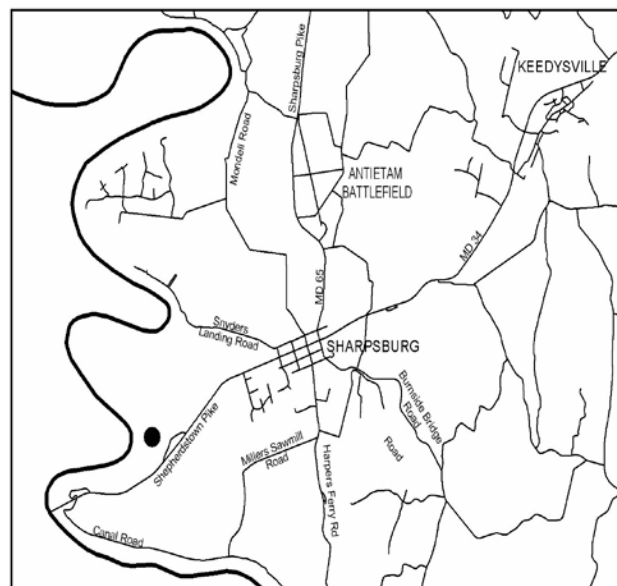
10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	342,000	0	0	0	0	0	0	0	342,000
Total Cost	342,000	0	0	0	0	0	0	0	342,000

Funding Sources:

Self Supported Bond	342,000	0	0	0	0	0	0	0	342,000
Total Funding	342,000	0	0	0	0	0	0	0	342,000

Project Title: Sharpsburg Transite Pipe Replacement**Project Number:** 1260**Account Number:****Projected Annual FTE's:** 0**Projected Operating Costs:** \$0**Description:**

This project will replace the existing transite water line from the plant out to MD Route 34.

Assumptions & Justifications:

The existing water line from the WTP to the distribution system is transite pipe which has reached its life expectancy. Replacement of the line is required to prevent major water line breaks and loss of water service to the Sharpsburg Water system.

10 year plan	Total	Prior Years	2016	2017	2018	2019	2020	2021	Future
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Project Costs:

Construction	2,400,000	0	0	0	0	0	0	0	2,400,000
Total Cost	2,400,000	0	0	0	0	0	0	0	2,400,000

Funding Sources:

Self Supported Bond	2,400,000	0	0	0	0	0	0	0	2,400,000
Total Funding	2,400,000	0	0	0	0	0	0	0	2,400,000