

**HARFORD COUNTY EXECUTIVE**

**B. GLASSMAN**

**Year 2018**

**Budget & Investment Program**

**County Executive**



## Barry Glassman, County Executive

## Barry Glassman, County Executive

**HARFORD COUNTY, MARYLAND**  
**APPROVED ANNUAL CAPITAL BUDGET AND CAPITAL IMPROVEMENT PROGRAM**  
**FISCAL YEAR 2017-2018**



**BARRY GLASSMAN, COUNTY EXECUTIVE**

**Director of Administration**  
**Billy Boniface**

**Chief, Budget & Management Research**  
**Kimberly Spence**

**Senior Budget Analysts**  
**William T. Watson**  
**Benjamin Lloyd**  
**Christen Sullivan**

**Treasurer**  
**Robert Sandlass**

**HARFORD COUNTY COUNCIL**

**Council President**  
**Richard C. Slutzky**

**Mike Perrone, Jr. - District A**  
**Joseph M. Woods - District B**  
**James "Capt'n Jim" McMahan - District C**  
**Chad Shrodes - District D**  
**Patrick S. Vincenti - District E**  
**Curtis L. Beulah - District F**

**Harford County Government**  
**Department of Administration, Budget and Management Research**  
**220 South Main Street, Bel Air, MD 21014**  
**410.638.3129**  
**July, 2017**

**Elected Officials**



**Harford County  
Government**



**County Executive  
Barry Glassman**

# Elected Officials



# Harford County Council



**Mike Perrone, Jr.**  
District A



**Joseph M. Woods**  
District B



**Richard C. Slutzky**  
Council President



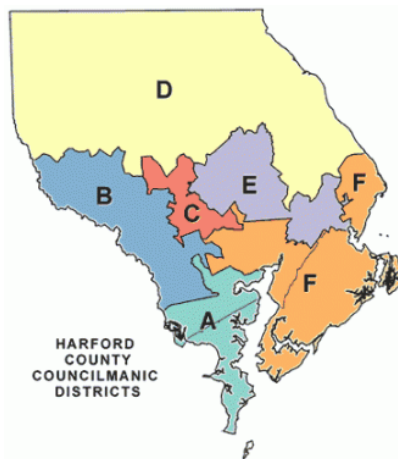
**Chad Shrodes**  
District D



**Patrick S. Vincenti**  
District E



**James "Capt'n Jim" McMahan**  
District C



**Curtis L. Beulah**  
District F



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished  
Budget Presentation  
Award*

PRESENTED TO

**Harford County**

**Maryland**

For the Fiscal Year Beginning

**July 1, 2016**

*Jeffrey R. Enos*

Executive Director

**STATEMENT OF COMPLIANCE  
WITH  
PROGRAM CRITERIA  
OF  
GOVERNMENT FINANCE OFFICERS ASSOCIATION**

The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to Harford County, Maryland for its annual budget for the fiscal year beginning July 1, 2016.

In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device.

This award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.

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**HARFORD COUNTY, MARYLAND  
ANNUAL APPROVED CAPITAL BUDGET AND CAPITAL IMPROVEMENT PROGRAM  
FISCAL YEAR 2017-2018  
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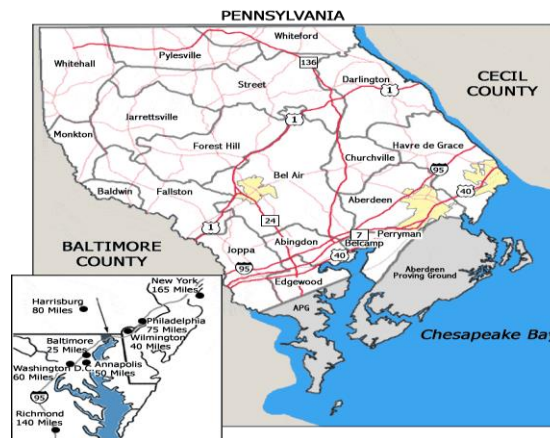
## INTRODUCTION

### I COUNTY OVERVIEW

Harford County, Maryland with its northern border being the Mason-Dixon Line, lies between Pennsylvania on the north and the Chesapeake Bay on the south, with the Susquehanna River on the east, and most of its western border on the Gunpowder River. The northern areas of the County are in the Piedmont Plateau, two to seven hundred feet above sea level. The southern areas are part of the Coastal Plain and range from forty to two hundred feet above sea level.

Today the County encompasses 448 square land miles\* and 16.5 square water miles\*. Harford has three incorporated towns: Aberdeen, Havre de Grace, and Bel Air, which is the County Seat. Northern Harford is primarily agricultural with moderate population increases, while the County's designated "Development Envelope" falls within the southern end and has experienced a sizable population growth.

A strong public/private sector partnership is largely responsible for Harford County's industrial development. Two State Enterprise Zones and twenty industrial/business/office parks, with sites ranging from small parcels to several hundred acres have been established here. All of this contributes to making Harford one of Maryland's top industrial growth counties.



\* Per the MD Geological Survey 1/24/07

## INTRODUCTION

### **II WHY CAPITAL PROGRAMMING**

Harford County Government officials, after gathering input from all departments and agencies, identify long-range public facilities and improvements that are needed and formulate a capital program, consisting of a one-year Capital Budget and a six-year Capital Improvement Program.

Such a program provides appropriation authority and planning for projects of expected long-term usefulness, size and cost, and/or which require large expenditures of funds usually programmed over more than one year, and which result in a durable capital asset.

### **III CAPITAL PROGRAM OBJECTIVES**

- To provide the infrastructure necessary to support the County's public services.
- To support the development objectives included in approved County plans especially the Land Use Master Plan.
- To enhance financial planning by comparing the needs with resources, estimating possible future bond issues, plus debt service and other current revenue needs, thus identifying operating budget and tax rate implications.
- To establish priorities among projects so that available effort and limited resources are used to the best advantage, emphasizing functionality over aesthetics, standardization of materials and infrastructure, and employing best practices to achieve efficiency and economy.
- To plan public facility construction to coordinate timing and functional relationships.
- To identify as accurately as possible, the impacts of capital projects on future operating budgets, energy use and costs and demands on land use.
- To provide a central source of information on all planned public construction for residents, agencies and other interest groups.

## INTRODUCTION

### **IV FACTORS FOR INCLUSION IN THE CAPITAL PROGRAM**

A common characteristic of all projects eligible for inclusion in the Capital Program is that each adds to, supports or improves the physical infrastructure, capital assets, or productive capacity of County services.

Capital projects also have one or more of the following characteristics:

- Expenditures that will take place over two or more years, requiring continuing appropriations.
- Funding with the use of debt, because of significant costs that should be shared by future as well as current users or beneficiaries of the project.
- Systemic acquisition over an extended time period to complete implementation of a major functional or operating system.
- Scheduled replacement or renovation of specific elements of many facilities, e.g. energy conservation improvements or roof replacements.

### **V CAPITAL PROGRAM PROJECT PROFILE**

In order to be included in the Capital Budget or Capital Improvement Program, a project must fit one or more of the following profiles:

- Construction of public buildings and facilities in government ownership including schools, offices, service centers, stations, warehouses, shops, parking lots and garages, with the initial complement of furnishings and equipment necessary to make them operational.
- Renovation or reconstruction projects for the purpose of expanding the capacity or extending the useful life of public buildings, facilities or infrastructures.
- Roads or other transportation systems that provide the means for movement of people, goods, and services throughout the County.

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- Acquisition of property (either land or improvement) or easements for: building sites; rights-of-way; purposes of conservation or preservation; and other public improvements such as parks and recreation areas.
- Site improvements that may include drainage, water supply, sewerage or other utilities as well as access and grading for specified public use.
- Major capital equipment and equipment systems as well as acquisition of major automated systems involving hardware, software and training.
- Other capital assets which have a long-term operational or economic value.
- Planning and feasibility studies to consider the acquisition, construction, or improvement of permanent assets or physical infrastructure as noted above.

### **VI THE BASIS FOR HARFORD COUNTY'S CAPITAL BUDGET POLICY**

The objectives of the Capital Program, the characteristics of included projects, and the determination of funding sources all evolve from Harford County's Fiscal Policies and Budget Process, which were framed by the County Charter and the County Code; expanded by our Business Plan; enhanced by recommendations of the Government Finance Officers Association; and conform to Federal, State and local regulations as well as the requirements of the Governmental Accounting Standards Board.

At the core of these policies and processes is the Administration's determination to remain conservative financial managers while recognizing fluctuations in the economy, changing trends, the adoption of new laws, and the concerns of our citizens. The County realizes the need to constantly review, and adapt where necessary, our ways of conducting business.

Harford County's Fiscal Policies are based on and have evolved from:

## INTRODUCTION

### **A HARFORD COUNTY CHARTER, ARTICLE V, BUDGET AND FINANCE**

#### **1 ARTICLE V, BUDGET AND FINANCE**

The Harford County Charter, Article V, Budget and Finance sets the Fiscal, Tax and Budget Year to begin on the first day of July and to end on the thirtieth day of June of the succeeding year.

The Charter requires the County budget to be comprehensive in scope and to represent a complete financial plan for the County. Required elements include revenue and expense estimates, debt, debt service, contingency reserves, cash surpluses and historical spending figures. The County Council is charged with adopting the annual budget and levying taxes sufficient to balance the budget.

The Charter establishes policies concerning supplemental, emergency and unexpended appropriations, as well as transferring appropriations, limiting expenditures, defining the composition of funds, and amending the budget.

The County may incur debt per the Charter, however:

- no debt for a term of one year or greater shall be incurred by the County to meet operating expenses;
- all debt for a term in excess of one year shall become due no later than 30 years after the date of issuance, except debt incurred to finance water, sewer, and wastewater facilities, which shall become due no later than 40 years after the date of issuance; and
- debt should be made payable within the probable useful life of the improvement or undertaking.

#### **2 PLANNING ADVISORY BOARD**

Section 406 of the Harford County Charter establishes a Planning Advisory Board consisting of five members, who are qualified voters of the County and appointed by the County Executive for terms coterminous with his and confirmed by the Council. "At such times as the County Executive shall fix, the Planning Advisory Board shall consider an itemized list of all capital projects and the capital improvement program which all agencies of the County government propose to undertake in the ensuing fiscal year and the next succeeding five fiscal years thereafter. After consideration by the Planning Advisory Board, the Director of Planning shall transmit to the County Executive, together with his/her

## INTRODUCTION

recommendations, a list of projects recommended by said Board to be undertaken in the periods aforesaid and its estimate of the cost thereof.”

### **B ANNOTATED CODE OF MARYLAND – DEBT LIMIT**

Pursuant to Article 25A, 5(P) of the Annotated Code of Maryland (1998 Replacement Volume and 2001 Supplement), Harford County, as a charter county, is limited in the amount of general obligation supported debt it can issue to an amount equal to a total of 6% of the assessable base of Real Property and 15% of Personal Property.

### **C CODE OF HARFORD COUNTY, MARYLAND – FISCAL IMPACT STATEMENTS**

The Code of Harford County, Maryland, Part I Administrative Legislation, Chapter 31, Fiscal Impact, requires that all proposed legislation before the County Council be reviewed for its fiscal impact prior to a public hearing. Since any law could affect the cost of government, it is County policy to provide to the legislative body such information as is necessary to assess the direct and indirect costs of pending legislation. Additionally, the County provides information on fiscal impacts to the State government for any State legislation under consideration which would affect Harford County.

### **D HARFORD COUNTY’S FIVE YEAR BUSINESS PLAN**

Harford County’s Five Year Business Plan addresses the areas of Financial and Strategic Planning, Debt and Cash Management, Revenues, plus Operating and Capital Budget Policies, to ensure that the County is capable of adequately funding and providing those local government services needed by the community. The aspects of the Business Plan pertinent to the Capital Budget include:

- 1 FINANCIAL PLANNING** – A Six Point Plan was designed to address economic cycles and maintain the existing property tax rate.
  - a. Expenditures will be reviewed and approved based on real versus perceived need.
  - b. Each function, service, project, and expenditure will be reviewed as to its affordability.
  - c. New sources of revenue will be identified and advanced.
  - d. We will prepare, integrate through planning, and maintain conservative annual operating budgets and multi-year spending plans.

## INTRODUCTION

- e. We will plan for and preserve a prescribed year-end fund balance to maintain our credit rating, and to provide for emergency needs.
- f. We will develop and implement a new Ten Year Capital Program based on affordability and sound debt management practices.

### **2 STRATEGIC PLANNING** – The Business Plan also incorporates Principles of Sound Financial Management.

- a. The planning system in the County will continue as a dynamic process which is synchronized with the Capital Improvement Program, Capital Budget, and Operating Budget. The County's Land Use Plan shall not be allowed to become static. There will continue to be a periodic review of the plans at least every five years.
- b. New private projects increase the assessable bases in the County and provide the funding for operating budgets and capital projects of the County. Harford County must continue to diversify its economic base by encouraging commercial employment and associated revenues. Such business and industry must be in accord with plans and ordinances of the County.
- c. If a deficit appears to be forthcoming, the County Executive shall direct that a freeze be placed on personnel hiring and new capital expenditures. Exceptions are to be made only on a tightly controlled case-by-case basis.
- d. The County's debt ratios shall be maintained at the following levels:
  - (1) Net Bonded Debt is to be maintained at a level no more than 2.3% of the Estimated Market Value of Assessable Property in the County.
  - (2) Bonded debt and its resulting debt service are to be kept at a level not higher than 8% of the General Fund.
- e. Debt must not expand beyond that already contemplated. Self-liquidating bonds will be issued only after careful analysis for fiscal soundness to ensure that revenue sources are properly in place and appropriate covenants protect the fiscal soundness of the County.

### **3 DEBT MANAGEMENT** – In order to provide an adequate physical infrastructure, improve services, and channel growth while maintaining the County's quality of life, a balanced approach to capital funding was adopted.

- a. The County will issue General Obligation Bonds for new buildings, and major renovations and repairs to existing buildings which contribute to the life of an asset.

## INTRODUCTION

- b. Water and Sewer projects will be financed with long term debt, only after sources of revenue, such as connection charges and/or assessments to property owners who will benefit from the improvements, have been established to pay the annual debt payments.
- c. Pay-As-You-Go (Paygo) will continue to be used for minor renovation and repair projects which have an asset life of less than ten years.

### **VII CAPITAL IMPROVEMENT BUDGET POLICIES**

#### **A GENERALLY**

- 1 ALL CAPITAL IMPROVEMENTS** - various related projects must be made in accordance with the Approved Capital Improvement Program.
- 2 ANNUALLY, THE PLANNING ADVISORY BOARD** – shall consider an itemized list of all capital projects and the capital improvement program which all agencies of the County government propose to undertake in the ensuing fiscal year and the next succeeding five fiscal years thereafter. After consideration by the Planning Advisory Board, the Director of Planning shall transmit to the County Executive, together with his recommendation, a list of projects recommended by said Board to be undertaken in the periods aforesaid and the estimated cost thereof.
- 3 THE COUNTY'S CAPITAL REVIEW SUBCOMMITTEE** - will simultaneously review the same list of projects and make recommendations to the County Executive, based on each project's compatibility with the County's Master Plan, the coordination of projects between departments, and what items need to be considered for inclusion in preventive maintenance projects.
- 4 THE COUNTY SHALL COORDINATE THE CAPITAL IMPROVEMENT BUDGET WITH THE OPERATING BUDGET** - Debt service operating costs will be projected and included in the operating budget forecasts. Debt service and, therefore, approved capital projects must follow the standard debt policies of the County.

#### **B FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

- 1 ANNUALLY** - in accordance with the Harford County Charter, the County will adopt a five-year Capital Improvement Plan and update it.
- 2 CAPITAL IMPROVEMENTS** – will be annually enacted by the County based on the Five-Year Plan.

## INTRODUCTION

### **C FINANCING PROJECTS**

- 1 **ALL PROJECTS** - must be funded in accordance with the adopted County debt policy.
- 2 **THE COUNTY WILL IDENTIFY** - the estimated costs and potential funding sources for each capital project proposal before it is submitted to the County Council for approval.
- 3 **THE COUNTY WILL UTILIZE** – the least costly method of financing all new projects.

## **VIII HARFORD COUNTY'S ADMINISTRATIVE FISCAL POLICIES**

### **A LONG TERM FINANCING TECHNIQUES**

- 1 **GENERAL OBLIGATION BONDS** – are also known as full faith and credit bonds, and their quality and payment is based on the general credit and taxing power of the County. The County must take whatever actions are necessary to assure repayment. Such bonds are typically used to finance the capital portion of tax supported, general public purpose governmental activities with schools, libraries, and public safety buildings being the most common uses of bond proceeds.
- 2 **REVENUE BONDS** – unlike general obligation bonds, are payable solely from identified sources of revenue, which may be derived from rates, fees, or charges for service imposed on users of the financed project; tax increments; or specified General Fund non-ad valorem tax revenues. Typically these bonds are used for the County - owned water and sewer system's activities of treatment, collection, production, and distribution.
- 3 **SPECIAL ASSESSMENT BONDS** – Under law the County may establish assessment districts and issue bonds for infrastructure improvements. The bonds are secured solely by the properties in the district, with revenues generated by a special assessment or tax on the properties.
- 4 **LEASE PURCHASE/CERTIFICATES OF PARTICIPATION** – are obligations of the public entity secured by an installment sale or leaseback arrangement with a public entity lease. The lessee generally pledges general operating revenues to cover the lease payments, which may or may not be reimbursed by revenues from the projects. These obligations do not constitute indebtedness under Maryland constitutional debt limitation. Payments to be made under

## INTRODUCTION

valid leases are payable only in the year in which use and occupancy of the leased property is available, and lease payments may not be accelerated.

### **B MULTIPLE USE OF FACILITIES**

Increasing costs of capital investment in buildings and facilities demand optimal use by more than one type of government program or service and consideration of future population trends and service or program emphasis. County government requires planning coordination among its departments and agencies, other user agencies, and when appropriate, private user organizations to ensure the functional lifetime of all such buildings and facilities extend well beyond the current generation. An example of such a multiple use facility would be when the Board of Education builds a new elementary school, the County provides funds to enlarge the school's gym, and the enlarged gym is then shared by the school and various Parks and Recreation community groups. Other examples would be the joint Norrisville Library/Community Center and the McFaul Senior/Youth Center.

## **IX HARFORD COUNTY'S ACCOUNTING POLICIES**

### **A FUND CATEGORIES**

- 1 GOVERNMENTAL FUNDS** – Governmental funds are used to account for essentially the same functions reported as governmental activities in the government-wide financial statements. However, unlike the government-wide financial statements, governmental fund financial statements focus on near term inflows and outflows of spendable resources, as well as on balances of spendable resources available at the end of the fiscal year. Such information may be useful in evaluating a government's near term financing requirements.

Harford County Government maintains seven individual governmental funds:

- a. THE GENERAL FUND is the government's primary operating fund. It accounts for all financial resources of the general government, except those required to be accounted for in another fund. For the County, the General Fund includes such activities as public safety, education, and recreation services.
- b. THE HIGHWAYS OPERATING FUND accounts for dedicated revenues that are legally restricted to the maintenance, care, and repair of roads and bridges located outside the boundaries of the three incorporated municipalities in Harford County. This fund also includes Traffic Safety and County-related transportation expenses.

## INTRODUCTION

- c. THE GRANTS FUND accounts for the receipt, appropriation, and expenditure of federal, state, and private monies in accordance with Harford County Charter, Article V, Budget and Finance.
- d. THE AGRICULTURAL LAND PRESERVATION FUND accounts for dedicated transfer tax revenues and provides for easement purchases of County agricultural land.
- e. THE CAPITAL PROJECT FUND accounts for financial resources to be used for the acquisition or construction of major capital facilities of all major and non-major governmental funds.
- f. PARKS AND RECREATION FUND is a non-major fund which accounts for the receipts and expenditures of the self-supporting activities of the Emmorton Recreation and Tennis Center, Recreation Councils and/or the Oakington Peninsula.

**2 PROPRIETARY FUNDS** – Harford County Government maintains two different types of proprietary funds:

- a. ENTERPRISE FUNDS are used to report the same functions presented as business-type activities in the government-wide financial statements. Harford County Government uses an enterprise fund to account for its Water and Sewer activities.
- b. INTERNAL SERVICE FUNDS are an accounting device used to accumulate and allocate costs internally among Harford County Government's various functions. Harford County Government uses an internal service fund to account for risk management. Because this service predominantly benefits governmental rather than business-type functions, it has been included within governmental activities in the government-wide financial statements.

### **B BASIS OF ACCOUNTING**

General capital asset acquisitions are reported as expenditures in governmental funds. Proceeds of general long-term and capital leases are reported as other financing sources. Property taxes, income taxes, state shared tax revenues, and interest associated with current fiscal period are all considered to be susceptible to accrual and so have been recognized as revenues of the current fiscal period. Only the portion of special assessments receivable items are considered to be measurable and available only when cash is received by the government.

## INTRODUCTION

### **C BASIS OF BUDGETING**

The capital budget reflects appropriations for the Capital Projects Fund at the individual project level. Expenditures and encumbrances may not legally exceed appropriations at that level; and, the County Council and the County Executive must approve all transfers of appropriations between projects.

### **X HARFORD COUNTY'S BUDGET POLICIES**

Harford County Charter, Article V, Budget and Finance, Section 503 establishes the "Comprehensive Scope of the Budget". The section states, "The County budget shall consist of the current expense budget, the capital budget and capital program, and the budget message. It shall represent a complete financial plan for the County reflecting all receipts and disbursements from all sources, including all revenues, all expenditures, and the surplus or deficit in the general fund and all special funds of the County government".

#### **A FUND STRUCTURE**

While Harford County's "Funds" are classified as either Governmental, Proprietary, or Fiduciary for accounting purposes, "Budget Funds" were established to comply with the Harford County Charter, Article V, Budget and Finance, Section 502(b). This defines the term "County funds" to... "mean any monies appropriated or approved by the Council or to which the County may at any time have legal or equitable title".

#### **B CAPITAL BUDGET AND CAPITAL IMPROVEMENT PROGRAM** – Harford County Charter, Section 507, Contents of the Capital Budget and Capital Program, calls for "a statement of the receipts anticipated during the ensuing fiscal year from all borrowing and from other sources for capital projects."

#### **1 PROJECT TYPES**

Harford County's Annual Capital Budget details the phase of each capital project the County has scheduled for that fiscal year. The Capital Improvement Program (CIP) provides the same detail for each of the next five fiscal years. The Capital Budget and the CIP are divided into different project types, based on the nature of the project, the funding source, or which department has responsibility. Project types include:

- a. General Projects – these include projects funded with County General Fund Paygo, County Bonds, Recordation or Transfer Tax receipts, State, Federal, Developer or "Other" Funds. The projects are the responsibility of the County Administration, Sheriff's Office, Emergency Operations, Volunteer Fire

## INTRODUCTION

- Companies, the Board of Education, Harford Community College, and/or the County's Library System.
- b. Highways Projects – are funded with County Highway revenues, Federal, State, Developer, and “Other” funds. The projects include: roads, bridges, resurfacing and other projects which fall under the purview of the County's Department of Public Works.
  - c. Parks and Recreation Projects – are those for which the County's Department of Parks and Recreation is directly responsible. They are funded with Parks and Recreation Special Fund revenues, Recordation Tax receipts, Federal, State, and Program Open Space funds.
  - d. Water and Sewer Projects – encompass any capital improvements or renovations to the County owned Water and Sewer System. In addition to Federal and State funds, the projects are supported with revenues derived from developers and system customers. County General Funds are not used for these projects.
- 2 CAPITAL FUNDS** - The various “Funds”, used to record the receipt and application of resources for these projects, are appropriated, spent, and recorded separately based on legal requirements, the source, or the nature of the project they provide for. They include:
- a. Pay-As-You-Go – In accordance with the County's Five Year Business Plan and Debt Management policies, Paygo will continue to be used for minor renovation and repair projects which have an asset life of less than ten years.
  - b. General Obligation Bonds – Also known as full faith and credit bonds, their quality and payment is based on the general credit and taxing power of the County. The County must take whatever actions are necessary to assure repayment. Typically, such bonds are used to finance the capital portion of tax supported general public purpose governmental activities with schools, libraries, and public safety buildings being the most common uses of bond proceeds.
  - c. Lease Finance – Arrangements to secure short-term funding for certain renovation/repair projects and equipment purchases.
  - d. Reappropriated – These funds are reallocated from one project to another.
  - e. Program Open Space – These funds are to support recreation opportunities and come from the State of Maryland through the collection of a State Transfer Tax on real property.
  - f. State Aid – State funding to assist Harford County in the financing of various capital projects.
  - g. Recordation Tax – A tax imposed on every instrument of writing recorded or offered for record with the Clerk of Circuit Court (liens, deeds, mortgages, etc.). They are assessed at the rate of \$6.60 per \$1,000 value of the recorded instruments filed with the Clerk of the Circuit Court for Harford County. Of this assessed amount, \$4.40 is dedicated for school debt service first, then new construction or major and capital improvements to existing school facilities. \$1.10 is dedicated to an open space land and recreational fund

## INTRODUCTION

for the purchase of park lands and development of parks and recreation facilities; and per Resolution No. 005-15 \$0.55 is dedicated to fund the implementation of local watershed protection and restoration projects throughout Harford County.

- h. Transfer Tax – A 1% Transfer Tax on any instrument of writing that conveys title to, or a leasehold interest in, real property. The proceeds are distributed 50% to the County's Agricultural Land Preservation Program, and 50% to fund school site acquisition, school construction, or school debt service.
- i. Impact Fee – The Maryland General Assembly adopted House Bill 965 (Article 24, Subtitle 10A, Harford County School Construction Financing Section 9-10A-01) in 2004. The bill states, "In general. – The County Council of Harford County, by ordinance, may fix, impose, and provide for the collection of a development impact fee not to exceed \$10,000 for new construction or development...Use of revenues. – The revenues from the special fund may be used only for:
  - (1) School site acquisition;
  - (2) School construction;
  - (3) School renovation;
  - (4) School debt reduction; or
  - (5) School capital expense."

On June 10, 2005, the County Council of Harford County, Maryland enacted, as amended, Bill No. 05-21 that added Article VI, Public School Development Impact Fee, to Chapter 123, Finance and Taxation, of the Harford County Code. This legislation assures that new development contributes its fair share towards the costs of public schools reasonably necessitated by such new development, and to ensure that new development is reasonably benefited by the construction of new public schools built in whole or part with the proceeds of development impact fees.

Effective December 4, 2009 and enacted by Bill Number 09-37, the impact fee is assessed per dwelling unit at the following rate (exemptions for elderly and Continuing Care Retirement Communities do apply):

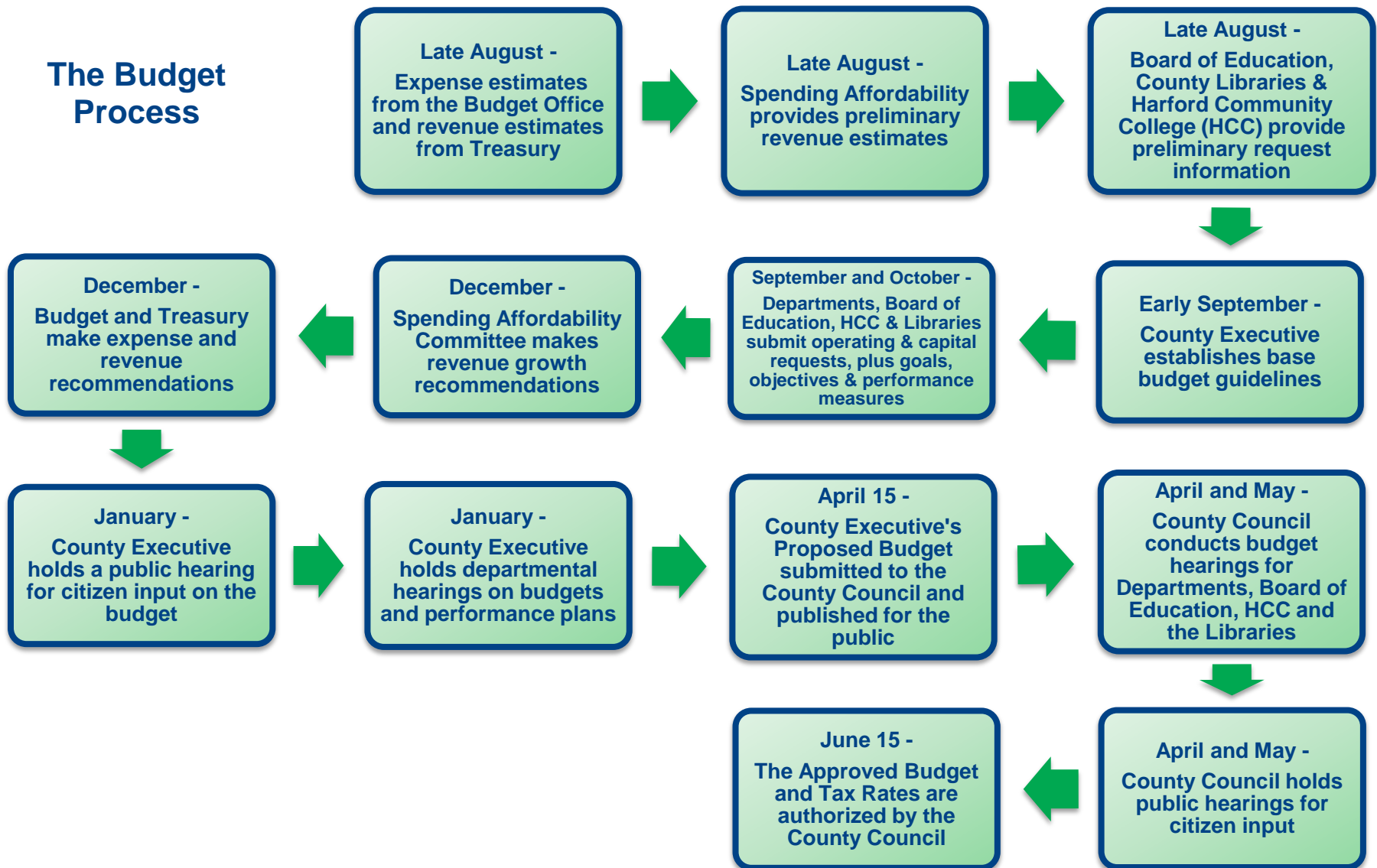
### Type of Residential Development

Single Family Detached	\$6,000
Townhouse / Duplex	\$4,200
All Other Residential (including Mobile Homes)	\$1,200

- j. Developer Contributions – Developer contributions are applied to projects that provide facilities in approved subdivisions, and represent the developer's portion of the cost of the project.
- k. Other – There are various other funding sources which may become available. When amounts are material, identifiable, and predictable, they are cited as sources of funding in the capital budget.

## INTRODUCTION

### The Budget Process



## INTRODUCTION

### **XII THE COUNTY'S CAPITAL BUDGET CALENDAR**

#### **LATE AUGUST**

The annual capital budget process begins each year in late August. Harford County's Capital Program is continuously partnered with the Master Plan and the goals of each administration. The Budget Office works with the Treasury Department to develop a three year revenue projection, which for the capital budget, includes dedicated Transfer and Recordation Tax revenues.

For the expense side of the projection, it is assumed that the Capital Improvement Program (CIP) will remain unchanged and the County will be funding the scheduled projects as planned. Debt Service costs are estimated for the next three years, based on existing debt and the debt that would be incurred to support the CIP. While the expense for the principal and interest payments is an Operating Budget item, this analysis provides us with an estimate of how much bond funding can be used for the next few years in the Capital Improvement Program, while adhering to the County's debt policies.

Since a simultaneous revenue analysis is occurring for the County's operating budget, an estimate of fund balance available to be carried over and used for Pay-As-You-Go (Paygo) funds for the upcoming year is developed; estimates for subsequent out-year Paygo funds are also developed at this time.

The estimate of available Recordation and Transfer Tax revenues is matched to projected education debt service requirements. Any amounts not needed for those principal and interest payments are applied to school capital projects as Paygo.

#### **EARLY SEPTEMBER**

Based on the outcome of the revenue and expense projections, the County Executive gives County departments his priority and budget guidelines for developing their capital budget requests.

The County departments compile their capital requests and are required to show if and how each project will impact the operating budget.

## INTRODUCTION

### **EARLY OCTOBER**

The departments turn in their capital budget and CIP requests to the Budget Office. At this time, the Libraries and the Board of Education also submit preliminary plans.

### **NOVEMBER**

The Budget Office logs in and compiles all requests, which are then shared with the County's Capital Review Committee. This committee was established with two charges. First they developed a master inventory of all County facilities, owned or leased, and completed a profile of each, which includes details such as square footage, date of purchase, lease terms, geographic location, occupants, etc. Our Facilities and Operations Division completed a systems analysis of each facility in the inventory, including mechanical units, HVAC, roofing, etc. This information is coupled with the other inventory data to provide a comprehensive overview of our sites. The committee's second charge is part of the County's annual Capital Budget Process. Once the Budget Office forwards its list of initial requests for the upcoming year, this committee reviews each project and determines if it should be considered capital or if it is something that could be managed through the Operating Budget. Treasury also, at that time, provides the committee with a list of all existing capital projects. Each department will be sent that portion of the list for which they are responsible. They report back to the committee the status of each project, and if any are complete, determine if they could be closed, with the remaining funds returned for reappropriation to a future project.

In light of available revenues, the Master Plan, the administration's goals, and operating expenses, the Budget Office analyzes all requests and pertinent data and compiles the preliminary County Capital Budget and CIP.

The Library Board approves the Library System's Capital Budget and it is submitted to the County Executive via the County Budget Office.

### **DECEMBER**

The preliminary County Capital Budget is amended to incorporate the Library's request and the recommendations of the Capital Review Sub-committee. This amended Capital Budget is then provided to the County Executive, the Director of Administration, and County departments.

## INTRODUCTION

The County Budget Office and the Department of the Treasury meet with the Planning Advisory Board to discuss the County's Capital Budget as it stands at this stage. The Board then submits its recommendations to the County Executive.

### **JANUARY**

The Board of Education approves the Public School System's Capital Budget and it is submitted to the County Executive via the County Budget Office.

Harford Community College's Capital Budget is approved by their Board of Trustees, and it is submitted to the County Executive via the County Budget Office.

The County Capital Budget is further amended to incorporate the School Board and the College's approved budget requests.

The County Executive conducts hearings with each County department that submits a capital request, as well as with Public School, College and Library administrators. During these hearings, each project is discussed, and any questions are answered. If a project has been eliminated from the County's plan or amended from the original request, an appeal can be made for restoration.

A public hearing is held to secure citizen input on both the Operating and Capital Budgets.

### **FEBRUARY**

Once revenue estimates are revisited, both Operating and Capital Budget issues are reviewed by the County Executive, the Director of Administration, the Budget Office, and the County Treasurer. The County Executive then makes his final decisions as to which projects he will propose for the upcoming fiscal year and for the subsequent five fiscal years. The County Executive also determines the amount of funding each project will receive.

### **LATE FEBRUARY THROUGH LATE MARCH**

The Budget Office finalizes all Operating and Capital Budget documents, and prepares the legislation necessary to send the County Executive's Proposed Budgets to the County Council.

## INTRODUCTION

### **APRIL 15**

The Harford County Charter requires the Proposed Operating and Capital Budgets to be submitted by the County Executive to the County Council by April 15th of each year.

### **APRIL THROUGH MAY**

The County Council conducts budget hearings with County departments, the Board of Education, Harford Community College, and the Libraries.

By Charter requirement, the County Council must hold two public hearings on the Operating and Capital Budgets to secure citizen input.

The Council may cut funding from any County capital project, and they may reallocate those funds to a Board of Education capital project. The Council cannot, however, adjust revenue estimates, and cannot add another Board of Education project or increase funding for any Board of Education project without identifying the additional revenues to support such a change.

### **JUNE 15**

The County Charter requires the County Council to approve the upcoming fiscal year's Operating and Capital Budgets and to set the necessary tax rates by June 15th of each year.

## **XIII OUTSIDE AGENCIES**

A significant portion of Harford County's Annual Capital Budget and Six Year Capital Improvement Program (CIP) is dedicated to "Outside Agencies." These agencies are the Harford County Public School System, the Library System and Harford Community College. County funds are also a large and/or major source of financing the capital budgets and CIPs of each of these organizations, yet these agencies are independent of the County Government. Each has its own administration and board which develop their policies, plans and budgets; they have their own budget processes and calendars. The Board of Education and the College also receive a significant percentage of capital funding from the State of Maryland, which necessitates their annual process be designed to meet State budget deadlines. With the varied deadlines, which the Outside Agencies are required to meet from the State and/or

## INTRODUCTION

their boards, incorporating their annual requests with the County's Capital Budget is difficult at best. While the County does get preliminary budgets from the Board of Education and the Libraries early in our process, we do not receive their formal requests until just before the County Executive has to finalize his Proposed Budget to send to the County Council; and it is at that time we receive the first request from Harford Community College. Until the College's board approves their capital budget, the County must assume that the current fiscal year's CIP will remain intact, and those projects scheduled for the upcoming fiscal year will still be requested and done so at the same funding levels.

It is only after the Proposed Budget has been sent to the County Council that we get information from the State as to which capital projects have been included in the State General Assembly's Budget and at what funding level.

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>TOTAL COUNTY BY CATEGORY</b>								
<b>GENERAL FUND</b>								
General Capital	291,348,529	154,708,854	27,424,675	23,440,000	21,825,000	21,825,000	21,325,000	20,800,000
Stormwater Management	97,167,508	31,467,508	10,700,000	10,800,000	10,900,000	11,000,000	11,100,000	11,200,000
Sheriff/Emergency/Fire	81,983,659	76,033,659	1,350,000	1,200,000	850,000	850,000	850,000	850,000
Harford Community College	35,551,347	28,413,467	586,880	5,851,000	700,000	0	0	0
Library	15,219,660	14,029,300	190,360	200,000	200,000	200,000	200,000	200,000
Board of Education	592,438,158	475,793,158	49,183,000	44,241,000	15,421,000	2,600,000	2,600,000	2,600,000
SUB-TOTAL GENERAL FUND PROJECTS	1,113,708,861	780,445,946	89,434,915	85,732,000	49,896,000	36,475,000	36,075,000	35,650,000
<b>SOLID WASTE SERVICES</b>	48,229,767	46,369,767	1,660,000	200,000	0	0	0	0
<b>PARKS &amp; RECREATION</b>	126,299,327	73,570,327	8,319,000	5,640,000	6,260,000	8,080,000	13,230,000	11,200,000
<b>HIGHWAYS FUND</b>								
Bridges	56,252,657	30,621,499	2,516,158	8,235,000	3,755,000	4,220,000	2,925,000	3,980,000
Roadways	39,325,780	25,715,780	3,975,000	2,855,000	1,380,000	1,800,000	1,850,000	1,750,000
Resurfacing	54,514,909	22,559,892	5,705,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000
Other	34,489,750	18,995,353	3,309,397	4,025,000	2,240,000	2,140,000	1,890,000	1,890,000
TOTAL HIGHWAYS PROJECTS	184,583,096	97,892,524	15,505,572	20,265,000	12,575,000	13,410,000	11,965,000	12,970,000
<b>WATER &amp; SEWER FUNDS</b>								
Water Projects	138,043,663	114,955,804	2,457,859	4,480,000	2,700,000	8,900,000	2,300,000	2,250,000
Sewer Projects	180,411,008	122,688,854	8,422,154	13,300,000	7,400,000	7,050,000	15,500,000	6,050,000
TOTAL WATER & SEWER PROJECTS	318,454,671	237,644,658	10,880,013	17,780,000	10,100,000	15,950,000	17,800,000	8,300,000
COUNTY TOTAL BY PROJECTS	1,791,275,722	1,235,923,222	125,799,500	129,617,000	78,831,000	73,915,000	79,070,000	68,120,000

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FY 2019	FIVE YEAR CAPITAL PROGRAM			
			FY 2018		FY 2020	FY 2021	FY 2022	FY 2023

**TOTAL COUNTY BY FUND SOURCE**

Paygo (All)	309,737,698	185,444,111	23,128,587	22,955,000	20,815,000	23,990,000	16,915,000	16,490,000
Future Bonds	224,064,072	0	57,485,000	59,558,672	28,750,400	19,340,000	34,800,000	24,130,000
Prior Bonds	700,198,723	699,956,496	242,227	0	0	0	0	0
Reappropriated	37,717,577	35,909,804	1,807,773	0	0	0	0	0
Transfer Tax	83,154,517	30,154,517	8,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Recordation Tax	105,318,933	39,173,933	10,375,000	10,625,000	10,990,000	11,395,000	11,495,000	11,265,000
State	249,390,972	191,484,464	19,298,580	20,023,328	5,309,600	4,400,000	4,475,000	4,400,000
Program Open Space	17,126,000	10,326,000	1,400,000	1,050,000	1,325,000	800,000	1,300,000	925,000
Federal	39,945,688	26,499,688	2,150,000	5,030,000	1,386,000	2,980,000	550,000	1,350,000
Developer	5,654,089	4,699,089	205,000	175,000	125,000	150,000	150,000	150,000
Other	16,426,436	9,734,103	1,707,333	1,200,000	1,130,000	1,860,000	385,000	410,000
Lease Purchase	2,541,017	2,541,017	0	0	0	0	0	0

COUNTY TOTAL BY FUNDING SOURCE	1,791,275,722	1,235,923,222	125,799,500	129,617,000	78,831,000	73,915,000	79,070,000	68,120,000
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**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FY 2019	FIVE YEAR CAPITAL PROGRAM			
			FY 2018		FY 2020	FY 2021	FY 2022	FY 2023

**GENERAL FUND**

**GENERAL CAPITAL**

FY 18 Funded Projects:

Bel Air Parking Garage	593,838	730,000	(136,162)	0	0	0	0	0
Board of Education Debt Service 18	108,000,000	0	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000
Countywide Facilities Master Plan Study	1,915,575	1,950,000	(34,425)	0	0	0	0	0
Courthouse Building Repairs	7,034,900	5,034,900	2,000,000	0	0	0	0	0
Edgewood Library Roof Replacement	221,400	0	221,400	0	0	0	0	0
Facilities Repair Program	25,062,301	19,812,301	3,250,000	500,000	500,000	500,000	500,000	0
Fleet Maintenance Facility	1,632,000	150,000	117,000	1,365,000	0	0	0	0
Fleet Replacement	19,040,000	7,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Harford Cable Network High Definition Upgrade	500,000	0	250,000	250,000	0	0	0	0
Harford County Agricultural Research & Exposition Ctr	650,000	300,000	350,000	0	0	0	0	0
Hosanna School	221,862	240,000	(18,138)	0	0	0	0	0
Infrastructure Efficiency Capital Investment Projects	1,130,000	1,005,000	25,000	25,000	25,000	25,000	25,000	0
Refresh Program	4,435,000	2,635,000	300,000	300,000	300,000	300,000	300,000	300,000
Safeguarding Business Operations	16,575,400	14,075,400	1,000,000	500,000	500,000	500,000	0	0
Underground & Aboveground Storage Tank Management	605,000	505,000	100,000	0	0	0	0	0

Outyear Projects:

Site Acquisition	26,257,761	23,757,761	0	500,000	500,000	500,000	500,000	500,000
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Open Projects:

Aberdeen Library Roof and Windows	388,000	388,000	0	0	0	0	0	0
Automated External Defibrillators (AEDs)	20,000	20,000	0	0	0	0	0	0
Board of Education Debt Service 15	14,260,492	14,260,492	0	0	0	0	0	0
Board of Education Debt Service 16	16,600,000	16,600,000	0	0	0	0	0	0
Board of Education Debt Service 17	17,800,000	17,800,000	0	0	0	0	0	0
Citizens Care Center	2,000,000	2,000,000	0	0	0	0	0	0
45 South Main Street - Add Emergency Power	600,000	600,000	0	0	0	0	0	0
GIS Update	250,000	250,000	0	0	0	0	0	0
Harford County Metro Area Network (HMAN)	16,200,000	16,200,000	0	0	0	0	0	0
Havre de Grace Opera House Renovations	750,000	750,000	0	0	0	0	0	0
Humane Society	7,050,000	7,050,000	0	0	0	0	0	0

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				
					FY 2020	FY 2021	FY 2022	FY 2023	
<b>GENERAL FUND</b>									
<b>GENERAL CAPITAL</b>									
MD 924 Small Area Corridor Plan	300,000	300,000	0	0	0	0	0	0	0
Reforestation and Buffer Mitigation - Critical Area	100,000	100,000	0	0	0	0	0	0	0
Reforestation and Landscaping	680,000	680,000	0	0	0	0	0	0	0
Repairs to 45 South Main Street Building	100,000	100,000	0	0	0	0	0	0	0
Treasury Computer Enhancements	175,000	175,000	0	0	0	0	0	0	0
Voting Equipment	200,000	200,000	0	0	0	0	0	0	0
General Capital Total by Project	291,348,529	154,708,854	27,424,675	23,440,000	21,825,000	21,825,000	21,325,000	20,800,000	
Paygo	47,777,047	30,930,072	3,546,975	3,025,000	2,825,000	2,825,000	2,325,000	2,300,000	
Reappropriated	12,056,033	10,356,033	1,700,000	0	0	0	0	0	
Future Bonds	11,332,000	0	5,467,000	2,365,000	1,000,000	1,000,000	1,000,000	500,000	
Prior Bonds	63,525,157	63,525,157	0	0	0	0	0	0	
Transfer Tax	72,500,000	19,500,000	8,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	
Recordation Tax	75,800,000	22,500,000	8,300,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	
State	1,832,279	1,721,579	110,700	0	0	0	0	0	
Federal	2,365,692	2,115,692	250,000	0	0	0	0	0	
Developer	772,421	772,421	0	0	0	0	0	0	
Other	1,827,900	1,727,900	50,000	50,000	0	0	0	0	
Lease Purchase	1,560,000	1,560,000	0	0	0	0	0	0	
General Capital Total by Fund	291,348,529	154,708,854	27,424,675	23,440,000	21,825,000	21,825,000	21,325,000	20,800,000	

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FY 2019	FIVE YEAR CAPITAL PROGRAM			
			FY 2018		FY 2020	FY 2021	FY 2022	FY 2023
STORMWATER MANAGEMENT								
FY 18 Funded Projects:								
Bynum Run @ St. Andrews Way Stream Restoration	2,197,026	1,347,026	850,000	0	0	0	0	0
County Owned Stormwater Management Rehab and Repair	550,000	0	50,000	100,000	100,000	100,000	100,000	100,000
County Owned Watershed Restoration Improvements	23,800,000	5,525,000	1,850,000	3,025,000	3,125,000	3,225,000	3,475,000	3,575,000
Joppatowne Area Watershed Restoration	6,250,000	2,550,000	950,000	550,000	550,000	550,000	550,000	550,000
Maintenance/Repair of Dams FY 14	3,455,000	1,355,000	350,000	350,000	350,000	350,000	350,000	350,000
Plumtree Run Watershed Restoration	9,243,452	2,943,452	1,800,000	900,000	900,000	900,000	900,000	900,000
Riverside Area Watershed Restoration	7,085,886	1,410,886	1,300,000	875,000	875,000	875,000	875,000	875,000
Sams Branch Watershed Restoration	4,272,922	1,172,922	1,100,000	400,000	400,000	400,000	400,000	400,000
Septic System Disconnection	350,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Stormwater Pollution Prevention	1,631,395	731,395	150,000	150,000	150,000	150,000	150,000	150,000
Upper Bynum Watershed Restoration Improvements	10,550,000	0	550,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Watershed Restoration Assessment	11,900,000	3,100,000	800,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
Watershed Restoration Improvements	4,450,000	1,050,000	650,000	550,000	550,000	550,000	550,000	550,000
Watershed Restoration Maintenance	760,000	160,000	100,000	100,000	100,000	100,000	100,000	100,000
Wheel Creek Watershed Restoration	7,139,607	6,539,607	150,000	150,000	150,000	150,000	0	0
Open Projects								
Lily Run Watershed Restoration	725,000	725,000						
Stormwater Enhancement	815,000	815,000						
Sunnyview Stream Restoration	1,992,220	1,992,220	0	0	0	0	0	0
Stormwater Management Total by Project	97,167,508	31,467,508	10,700,000	10,800,000	10,900,000	11,000,000	11,100,000	11,200,000
Paygo - Special Dedicated Paygo	6,112,818	3,112,818	500,000	500,000	500,000	500,000	500,000	500,000
Prior Bonds	11,650,000	11,700,000	(50,000)	0	0	0	0	0
Future Bonds	37,050,000	0	5,800,000	6,050,000	6,150,000	6,250,000	6,350,000	6,450,000
Reappropriated	2,024,690	2,024,690	0	0	0	0	0	0
Recordation Tax	200,000	200,000	0	0	0	0	0	0
State	31,057,016	9,257,016	4,050,000	3,550,000	3,550,000	3,550,000	3,550,000	3,550,000
Federal	5,097,984	2,697,984	150,000	450,000	450,000	450,000	450,000	450,000
Other	3,975,000	2,475,000	250,000	250,000	250,000	250,000	250,000	250,000
Stormwater Management Total by Fund	97,167,508	31,467,508	10,700,000	10,800,000	10,900,000	11,000,000	11,100,000	11,200,000

**HARFORD COUNTY, MARYLAND**  
**APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FY 2019	FIVE YEAR CAPITAL PROGRAM			
			FY 2018		FY 2020	FY 2021	FY 2022	FY 2023
<div>PUBLIC SAFETY</div>								
FY 18 Funded Projects:								
Mobile/Portable Radio Upgrades	150,000	0	150,000	0	0	0	0	0
911 State Fee Fund	700,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Public Safety Communication in School Buildings	1,050,000	450,000	100,000	100,000	100,000	100,000	100,000	100,000
SCBA Replacement	2,000,000	500,000	250,000	250,000	250,000	250,000	250,000	250,000
VFC Facility Repair	3,100,000	700,000	400,000	400,000	400,000	400,000	400,000	400,000
Whiteford VFC - Renovation of Main Station	700,000	0	350,000	350,000	0	0	0	0
Open Projects:								
Bel Air Substation at Patterson Mill	2,868,400	2,868,400	0	0	0	0	0	0
Computer Equipments/Networks	2,241,742	2,241,742	0	0	0	0	0	0
Fire, EMS, and Law Enforcement CAD	2,450,000	2,450,000	0	0	0	0	0	0
Joppa Magnolia Fire Station Expansion	700,000	700,000	0	0	0	0	0	0
New Emergency Operations Center Complex	43,294,525	43,294,525	0	0	0	0	0	0
Norrisville Station	875,000	875,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equipment	21,693,992	21,693,992	0	0	0	0	0	0
TRT Equipment	160,000	160,000	0	0	0	0	0	0
Sheriff/Emergency/Fire Total by Project	81,983,659	76,033,659	1,350,000	1,200,000	850,000	850,000	850,000	850,000
Paygo	18,209,650	12,859,650	1,250,000	1,100,000	750,000	750,000	750,000	750,000
Future Bonds	0	0	0	0	0	0	0	0
Prior Bonds	55,861,500	55,861,500	0	0	0	0	0	0
Reappropriated	362,500	362,500	0	0	0	0	0	0
State	2,998,580	2,398,580	100,000	100,000	100,000	100,000	100,000	100,000
Federal	3,270,412	3,270,412	0	0	0	0	0	0
Other	300,000	300,000	0	0	0	0	0	0
Lease Purchase	981,017	981,017	0	0	0	0	0	0
Sheriff / Emergency / Fire Total by Fund	81,983,659	76,033,659	1,350,000	1,200,000	850,000	850,000	850,000	850,000

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

<b>PROJECT TITLE</b>	<b>TOTAL COST</b>	<b>PRIOR APPROP</b>	<b>BUDGET YEAR FY 2018</b>	<b>FY 2019</b>	<b>FIVE YEAR CAPITAL PROGRAM</b>			
					<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<b>HARFORD COMMUNITY COLLEGE</b>								
<u>FY 18 Funded Projects:</u>								
Fallston Hall Renovation	7,137,880	0	586,880	5,851,000	700,000	0	0	0
<u>Open Projects:</u>								
Edgewood Hall Renovation/Expansion	8,632,000	8,632,000	0	0	0	0	0	0
New Nursing & Allied Health	19,781,467	19,781,467	0	0	0	0	0	0
College Total by Project	35,551,347	28,413,467	586,880	5,851,000	700,000	0	0	0
Paygo	0	0	0	0	0	0	0	0
Future Bonds	3,370,072	0	278,000	2,761,672	330,400	0	0	0
Prior Bonds	11,663,000	11,663,000	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
State	20,518,275	16,750,467	308,880	3,089,328	369,600	0	0	0
Other	0	0						
College Total by Fund	35,551,347	28,413,467	586,880	5,851,000	700,000	0	0	0
<b>LIBRARIES</b>								
<u>FY 18 Funded Projects:</u>								
Aberdeen Branch - Expansion	46,360	56,000	(9,640)	0	0	0	0	0
Technology	1,759,100	559,100	200,000	200,000	200,000	200,000	200,000	200,000
<u>Open Projects:</u>								
Darlington Branch - Expansion	56,000	56,000	0	0	0	0	0	0
HdG Branch Expansion	9,020,000	9,020,000	0	0	0	0	0	0
Joppa Branch - Central Dehumidification	100,000	100,000	0	0	0	0	0	0
Whiteford Expansion	4,238,200	4,238,200	0	0	0	0	0	0
Libraries Total by Project	15,219,660	14,029,300	190,360	200,000	200,000	200,000	200,000	200,000
Paygo	2,216,260	1,025,900	190,360	200,000	200,000	200,000	200,000	200,000
Prior Paygo		0	0	0	0	0	0	0
Future Bonds	0	0	0	0	0	0	0	0
Prior Bonds	10,703,400	10,703,400	0	0	0	0	0	0
State	1,000,000	1,000,000	0	0	0	0	0	0
Federal	400,000	400,000	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
Other	900,000	900,000	0	0	0	0	0	0
Libraries Total by Fund	15,219,660	14,029,300	190,360	200,000	200,000	200,000	200,000	200,000

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET	FY 2019	FIVE YEAR CAPITAL PROGRAM			
			YEAR FY 2018		FY 2020	FY 2021	FY 2022	FY 2023

**BOARD OF EDUCATION**

FY 18 Funded Projects:

Athletic Fields Repair and Restoration	1,087,000	487,000	100,000	100,000	100,000	100,000	100,000	100,000
Bel Air Elementary Schol HVAC & Open Space Enclosure	7,561,000	0	7,561,000	0	0	0	0	0
Havre de Grace Middle/High School Replacement	98,602,000	3,950,000	38,000,000	43,831,000	12,821,000	0	0	0
Major HVAC Repairs	12,600,818	8,575,818	25,000	0	1,000,000	1,000,000	1,000,000	1,000,000
North Harford HS Aquaculture Lab and Greenhouse	830,000	0	830,000	0	0	0	0	0
Replacement Buses	12,575,197	12,325,197	250,000	0	0	0	0	0
Roof Replacement	1,064,000	0	1,064,000	0	0	0	0	0
Swimming Pool Renovations	963,000	300,000	353,000	310,000	0	0	0	0
Technology Infrastructure	3,643,217	2,643,217	1,000,000	0	0	0	0	0

Outyear Projects:

Major Roof Repair/Replacement	6,000,000	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000
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Open Projects:

Aberdeen High School Stadium and Weight Room Upgrade:	1,600,000	1,600,000	0	0	0	0	0	0
Aberdeen HS North Building	665,000	665,000	0	0	0	0	0	0
ADA Improvements	600,000	600,000	0	0	0	0	0	0
Backflow Prevention	600,000	600,000	0	0	0	0	0	0
Band Uniform Refresh	72,340	72,340	0	0	0	0	0	0
Bel Air High School Replacement	79,876,086	79,876,086	0	0	0	0	0	0
Bleacher Replacement	500,000	500,000	0	0	0	0	0	0
Building Envelope Improvements	700,000	700,000	0	0	0	0	0	0
Campus Hills Elementary School	900,000	900,000	0	0	0	0	0	0
Center for Educational Opportunity - HVAC	4,625,000	4,625,000	0	0	0	0	0	0
Churchville Elementary School Roof Replacement	825,000	825,000	0	0	0	0	0	0
Darlington Elementary School HVAC Systemic	2,138,000	2,138,000	0	0	0	0	0	0
Deerfield Elementary School Replacement	31,734,200	31,734,200	0	0	0	0	0	0
Dublin Elementary School Comprehensive HVAC Systemic	3,994,000	3,994,000	0	0	0	0	0	0
Edgewood High School Replacement	83,581,790	83,581,790	0	0	0	0	0	0
Edgewood Middle School - Computer Laboratory	115,000	115,000	0	0	0	0	0	0
Energy Conservation Measures	500,000	500,000	0	0	0	0	0	0
Energy Efficiency Initiative Projects	4,873,775	4,873,775	0	0	0	0	0	0
Environmental Compliance	1,497,619	1,497,619	0	0	0	0	0	0
Equipment and Furniture Replacement	1,055,000	1,055,000	0	0	0	0	0	0
Fallston High School Autism Renovation	250,000	250,000	0	0	0	0	0	0
Fallston High School Comp HVAC Systemic Project	17,846,940	17,846,940	0	0	0	0	0	0
Fire Alarm and ER Communication	1,075,000	1,075,000	0	0	0	0	0	0
Floor Covering Replacement	150,000	150,000	0	0	0	0	0	0
Havre de Grace High School Field Facilities	1,313,770	1,313,770	0	0	0	0	0	0
Homestead Wakefield ES Modernization	133,454	133,454	0	0	0	0	0	0
Integrated Business Systems	403,000	403,000	0	0	0	0	0	0
Jarrettsville Elementary School Comprehensive HVAC	3,700,000	3,700,000	0	0	0	0	0	0
Joppatowne Elementary Modernization	13,533,863	13,533,863	0	0	0	0	0	0
Joppatowne High School Systemic Project	13,673,000	13,673,000	0	0	0	0	0	0
Joppatowne High School Weight Room	250,000	250,000	0	0	0	0	0	0
Locker Replacement	430,000	430,000	0	0	0	0	0	0

**HARFORD COUNTY, MARYLAND**  
**APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>BOARD OF EDUCATION</b>								
Magnolia Middle School HVAC	11,061,554	11,061,554	0	0	0	0	0	0
Music Equipment Refresh Program 14	50,000	50,000	0	0	0	0	0	0
Music Technology Labs Program	345,000	345,000	0	0	0	0	0	0
Norrisville ES HVAC	3,455,700	3,455,700	0	0	0	0	0	0
North Harford ES Comprehensive HVAC	4,550,390	4,550,390	0	0	0	0	0	0
North Harford High School Modernization	31,873,132	31,873,132	0	0	0	0	0	0
North Harford Middle School Water System	261,114	261,114	0	0	0	0	0	0
North Harford Middle School Domestic Water Improvement:	1,000,000	1,000,000	0	0	0	0	0	0
Outdoor Track Reconditioning	200,000	200,000	0	0	0	0	0	0
Playground Equipment	350,000	350,000	0	0	0	0	0	0
Prospect Mill Elementary School HVAC	4,685,000	4,685,000	0	0	0	0	0	0
Prospect Mill Elementary School	1,997,778	1,997,778	0	0	0	0	0	0
Red Pump Road Elementary School	29,837,480	29,837,480	0	0	0	0	0	0
Relocatable Classrooms	2,963,896	2,963,896	0	0	0	0	0	0
Ring Factory Elementary School HVAC	1,099,000	1,099,000	0	0	0	0	0	0
Riverside ES HVAC Systemic	8,780,000	8,780,000	0	0	0	0	0	0
Roof Replacement - Joppatowne High School	2,400,000	2,400,000	0	0	0	0	0	0
Roofing Replacement 07	1,236,530	1,236,530	0	0	0	0	0	0
Security Initiative Program for Schools	1,728,000	1,728,000	0	0	0	0	0	0
Security Measures	1,735,000	1,735,000	0	0	0	0	0	0
Septic Code Facility Upgrade	4,910,592	4,910,592	0	0	0	0	0	0
Special Education Facilities Improvements	200,000	200,000	0	0	0	0	0	0
Stadium Upgrades - Joppatowne High School	300,000	300,000	0	0	0	0	0	0
Technology Education Lab Refresh	250,000	250,000	0	0	0	0	0	0
Textbook/Supplemental Materials Refresh	5,300,000	5,300,000	0	0	0	0	0	0
William Paca Elementary School HVAC	3,955,057	3,955,057	0	0	0	0	0	0
William Paca/Old Post ES Open Space Enclosure	2,417,000	2,417,000	0	0	0	0	0	0
William S James ES Open Space Enclosure Project	1,400,000	1,400,000	0	0	0	0	0	0
Youth's Benefit Elementary School Replacement	45,957,866	45,957,866	0	0	0	0	0	0
Education Total by Project	592,438,158	475,793,158	49,183,000	44,241,000	15,421,000	2,600,000	2,600,000	2,600,000
Paygo	28,932,253	25,564,253	2,558,000	410,000	100,000	100,000	100,000	100,000
Future Bonds	84,573,000	0	32,465,000	32,287,000	14,571,000	1,750,000	1,750,000	1,750,000
Prior Bonds	328,802,938	328,802,938	0	0	0	0	0	0
Reappropriated	9,461,021	9,461,021	0	0	0	0	0	0
Transfer Tax	10,654,517	10,654,517	0	0	0	0	0	0
Recordation Tax	100,000	100,000	0	0	0	0	0	0
State	136,536,383	107,832,383	14,160,000	11,544,000	750,000	750,000	750,000	750,000
Other	(6,621,954)	(6,621,954)	0	0	0	0	0	0
Lease Purchase	0	0	0	0	0	0	0	0
Education Total by Fund	592,438,158	475,793,158	49,183,000	44,241,000	15,421,000	2,600,000	2,600,000	2,600,000
<b>SUB-TOTAL GENERAL FUND CAPITAL</b>	<b>1,113,708,861</b>	<b>780,445,946</b>	<b>89,434,915</b>	<b>85,732,000</b>	<b>49,896,000</b>	<b>36,475,000</b>	<b>36,075,000</b>	<b>35,650,000</b>

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>SOLID WASTE SERVICES</b>								
<u>FY 18 Funded Projects:</u>								
HWDC Expansion	20,970,354	20,570,354	400,000	0	0	0	0	0
HWDC Pavement Upgrades	600,000	200,000	200,000	200,000	0	0	0	0
Scarboro Landfill Groundwater Treatment Plant Upgrades	250,000	100,000	150,000	0	0	0	0	0
Tollgate Yard Trim Recycling Center 15	975,081	1,375,081	(400,000)	0	0	0	0	0
Waste to Energy Facility Closure	6,113,753	4,803,753	1,310,000	0	0	0	0	0
<u>Open Projects:</u>		0	0	0	0	0	0	0
Environmental Studies and Projects	1,440,900	1,440,900	0	0	0	0	0	0
Former Spencers Landfill Closure (East Side)	6,700,000	6,700,000	0	0	0	0	0	0
Full Cost Accounting Study	300,000	300,000	0	0	0	0	0	0
HWDC Compost Area Facilities	525,000	525,000	0	0	0	0	0	0
HWDC Landfill Capping	9,320,000	9,320,000	0	0	0	0	0	0
Tollgate Landfill Gas System	1,034,679	1,034,679	0	0	0	0	0	0
Solid Waste Services Total by Project	48,229,767	46,369,767	1,660,000	200,000	0	0	0	0
Paygo	24,071,043	22,211,043	1,660,000	200,000	0	0	0	0
Reappropriated	2,693,283	2,693,283	0	0	0	0	0	0
Future Bonds	0	0	0	0	0	0	0	0
Prior Bonds	21,125,441	21,125,441	0	0	0	0	0	0
Other	340,000	340,000	0	0	0	0	0	0
Solid Waste Services Total by Fund	48,229,767	46,369,767	1,660,000	200,000	0	0	0	0
<b>TOTAL GENERAL FUND CAPITAL</b>	<b>1,161,938,628</b>	<b>826,815,713</b>	<b>91,094,915</b>	<b>85,932,000</b>	<b>49,896,000</b>	<b>36,475,000</b>	<b>36,075,000</b>	<b>35,650,000</b>

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b><u>PARKS &amp; RECREATION FUND</u></b>								
<b><u>FY 18 Funded Projects:</u></b>								
ADA Improvements	629,307	284,307	120,000	75,000	75,000	0	0	75,000
Anita C. Leight Improvements	955,000	730,000	25,000	200,000	0	0	0	0
Athletic Field Improvements	15,800,000	11,000,000	1,400,000	150,000	1,400,000	575,000	575,000	700,000
Bush River Dredging and DMP Site 16	1,675,000	0	100,000	1,575,000	0	0	0	0
Canoe and Kayak Water Access	1,005,000	450,000	280,000	0	75,000	200,000	0	0
Cedar Lane Sports Complex Improvements	2,761,000	2,161,000	100,000	100,000	100,000	100,000	100,000	100,000
East Baker Avenue Pedestrian Bridge	100,000	0	100,000	0	0	0	0	0
Eden Mill Park Rehabilitation	1,005,000	855,000	100,000	0	0	50,000	0	0
Edgely Grove Farm	140,000	0	40,000	0	100,000	0	0	0
Emily Bayliss Graham Park	2,800,000	1,575,000	200,000	0	525,000	500,000	0	0
Emmorton Recreation & Tennis Center Improvements	1,085,000	970,000	15,000	100,000	0	0	0	0
Enlarged Gymnasiums & Joint Facilities	1,200,000	600,000	600,000	0	0	0	0	0
Facility Renovations	625,000	0	225,000	100,000	100,000	100,000	100,000	0
Flying Point Improvements	303,000	124,000	179,000	0	0	0	0	0
Forest Hill Recreation Complex Improvements	800,000	0	200,000	600,000	0	0	0	0
Fox Meadows Park Improvements	350,000	0	100,000	250,000	0	0	0	0
Francis Silver-Park Improvement	425,000	25,000	400,000	0	0	0	0	0
Gunpowder River Dredging	1,974,000	1,434,000	330,000	210,000	0	0	0	0
Gymnasium Floor Repair and Renovation	435,000	0	60,000	75,000	75,000	75,000	75,000	75,000
Indoor Recreation Facility-Forest Hill/Hickory	1,474,000	1,224,000	250,000	0	0	0	0	0
Joppatowne Area Dredging	1,090,000	990,000	100,000	0	0	0	0	0
Liriodendron Improvements	10,000	145,000	(135,000)	0	0	0	0	0
Natural Turf Improvements	1,840,000	1,090,000	150,000	150,000	150,000	150,000	75,000	75,000
Park Improvements	330,000	0	80,000	50,000	50,000	50,000	50,000	50,000
Parking Lot Paving	1,159,000	499,000	250,000	55,000	150,000	55,000	0	150,000
Parkland Acquisition	10,441,000	5,306,000	1,050,000	740,000	795,000	850,000	850,000	850,000
Playground Equipment	3,005,000	1,805,000	225,000	150,000	150,000	225,000	225,000	225,000
Swan Harbor Farm Improvements	1,664,000	539,000	75,000	0	0	1,050,000	0	0
Tennis/Multipurpose Court	1,240,000	640,000	100,000	100,000	100,000	100,000	100,000	100,000
Trails & Linear Parks	6,100,000	2,550,000	1,550,000	0	0	2,000,000	0	0
Tudor Hall Rehabilitation	550,000	500,000	50,000	0	0	0	0	0
<b><u>Outyear Projects:</u></b>								
Aberdeen Activity Center	8,500,000	0	0	0		500,000	8,000,000	0
Backstop Renovations	570,000	270,000	0	50,000	100,000	50,000	50,000	50,000
Benson Field Development	1,100,000	0	0	0	0	100,000	500,000	500,000
Blake's Venture Park	700,000	0	0	0	0	100,000	0	600,000
Bleacher Renovations	810,000	430,000	0	60,000	80,000	80,000	80,000	80,000
Bulkhead Renovations	650,000	0	0	40,000	535,000	0	75,000	0
Darlington Park Development	2,095,000	1,895,000	0	0	200,000	0	0	0
Disc Golf Course	100,000	50,000	0	0	0	50,000	0	0
Edgewood Recreation and Community Center	250,000	100,000	0	0	150,000	0	0	0
Edgewood Recreation Park	650,000	0	0	500,000	50,000	0	100,000	0
Equestrian Center Improvements	625,000	325,000	0	100,000	100,000	100,000	0	0
Jarrettsville Recreation Center	7,010,775	510,775	0	0	0	0		6,500,000
Joppa/Joppatowne Youth/Senior Center	500,000	0	0	0	0	0	0	500,000
Magnolia Complex Development	2,480,000	2,055,000	0	0	425,000	0	0	0
Mariner Point Park Renovations	411,000	361,000	0	0	0	0	0	50,000

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b><u>PARKS &amp; RECREATION FUND</u></b>								
<u>Outyear Projects (cont.):</u>								
Norrisville Park	1,325,000	0	0	0	125,000	525,000	525,000	150,000
Northern Regional Park	1,075,000	575,000	0	0	0	0	500,000	0
Perryman Park Development	250,000	0	0	0	0	125,000	125,000	0
Prospect Mill Park	600,000	0	0	100,000	500,000	0	0	0
Red Pump Elementary School Facilities	175,000	0	0	0	0	50,000	125,000	0
Robert Copenhagen Park Improvements	550,000	300,000	0	0	0	0	0	250,000
Rockfield Park Improvements	370,000	170,000	0	0	100,000	100,000	0	0
SWM Pond Repair and Renovation	800,000	450,000	0	110,000	0	120,000	0	120,000
Tollgate Woodshop	75,000	25,000	0	0	50,000	0	0	0
Vale Road Park	1,100,000	0	0	0	0	100,000	1,000,000	0
<u>Open Projects:</u>								
Abingdon Road Park	150,000	150,000	0	0	0	0	0	0
Broad Creek Boat Launch Ramp	679,000	679,000	0	0	0	0	0	0
Churchville Center Renovations	575,000	575,000	0	0	0	0	0	0
Churchville Complex Development	8,556,830	8,556,830	0	0	0	0	0	0
Debris/Derelict Boats	100,000	100,000	0	0	0	0	0	0
Demarco Memorial Park Improvements	40,000	40,000	0	0	0	0	0	0
Edgeley Grove Farm-Smith Property	4,350,000	4,350,000	0	0	0	0	0	0
Facility Renovations	1,205,000	1,205,000	0	0	0	0	0	0
Fallston Maintenance Shop	50,000	50,000	0	0	0	0	0	0
Fallston Recreation Complex Improvements	325,000	325,000	0	0	0	0	0	0
Heavenly Waters Park - Soma	100,000	100,000	0	0	0	0	0	0
Heavenly Waters Park	2,120,000	2,120,000	0	0	0	0	0	0
Jarrettsville Complex Restrooms	350,000	350,000	0	0	0	0	0	0
McFaul Activity Center Renovations	251,000	251,000	0	0	0	0	0	0
Nuttall Avenue Park Development	500,000	500,000	0	0	0	0	0	0
Oakington Farms - Tydings Park	1,900,000	1,900,000	0	0	0	0	0	0
Park Improvements	780,000	780,000	0	0	0	0	0	0
Promenade Park	15,000	15,000	0	0	0	0	0	0
Schucks Road Regional Complex	8,110,415	8,110,415	0	0	0	0	0	0
Tydings Park Improvemens	400,000	400,000	0	0	0	0	0	0
Parks & Rec Total by Project	126,299,327	73,570,327	8,319,000	5,640,000	6,260,000	8,080,000	13,230,000	11,200,000
Paygo	3,583,322	3,583,322	0	0	0	0	0	0
Paygo - Hotel Tax Revenue		0	350,000	100,000	100,000	100,000	100,000	100,000
Paygo - Parks and Recreation Fund		0	75,000	0	0	0	0	0
Future Bonds	22,450,000	0	2,000,000	150,000	1,400,000	2,125,000	9,075,000	7,700,000
Prior Bonds	22,006,830	22,006,830	0	0	0	0	0	0
Reappropriated	5,519,935	5,119,935	400,000	0	0	0	0	0
Recordation Tax	29,218,933	16,373,933	2,075,000	1,625,000	1,990,000	2,395,000	2,495,000	2,265,000
State	6,895,000	4,091,000	449,000	1,740,000	540,000	0	75,000	0
Program Open Space	17,126,000	10,326,000	1,400,000	1,050,000	1,325,000	800,000	1,300,000	925,000
Federal	5,325,000	3,325,000	1,000,000	0	0	1,000,000	0	0
Developer	1,490,000	1,135,000	105,000	75,000	25,000	50,000	50,000	50,000
Other	11,759,307	7,609,307	465,000	900,000	880,000	1,610,000	135,000	160,000
Parks & Rec Total by Fund	126,299,327	73,570,327	8,319,000	5,640,000	6,260,000	8,080,000	13,230,000	11,200,000
<b>TOTAL PARKS &amp; RECREATION CAPITAL</b>	<b>126,299,327</b>	<b>73,570,327</b>	<b>8,319,000</b>	<b>5,640,000</b>	<b>6,260,000</b>	<b>8,080,000</b>	<b>13,230,000</b>	<b>11,200,000</b>

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>HIGHWAYS FUND</b>								
<b>BRIDGES</b>								
<u>FY 18 Funded Projects:</u>								
Abingdon Road Bridge #169 over CSX	4,555,000	1,130,000	200,000	3,225,000	0	0	0	0
Bridge & Road Scour Repair	2,150,000	1,300,000	100,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program	3,150,000	0	200,000	800,000	200,000	850,000	200,000	900,000
Bridge Painting	1,300,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000
Carrs Mill Road Bridge #216	2,575,000	2,395,000	180,000	0	0	0	0	0
Chestnut Hill Bridge #40	1,630,000	495,000	30,000	100,000	0	1,005,000	0	0
Culvert Rehabilitation	5,375,000	4,275,000	100,000	200,000	200,000	200,000	200,000	200,000
Glenville Road Bridge #30	1,480,000	370,000	40,000	25,000	1,045,000	0	0	0
Green Road Bridges #119 and #122	719,088	644,088	75,000	0	0	0	0	0
Harford Creamery Road Bridge #104	1,628,322	1,663,204	(34,882)	0	0	0	0	0
Hess Road Bridge #82	1,252,311	1,300,000	(47,689)	0	0	0	0	0
Jericho Road Bridge	1,518,729	1,530,000	(11,271)	0	0	0	0	0
Johnson Mill Road Bridge #45	680,000	140,000	60,000	10,000	0	470,000	0	0
New Park Road Bridge #125	700,000	600,000	100,000	0	0	0	0	0
Robinson Mill Road Bridge #154	1,685,000	1,385,000	300,000	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	195,000	900,000	0	0	0	0	0
Stafford Road Bridge #24	2,005,000	280,000	125,000	1,600,000	0	0	0	0
<u>Outyear Projects:</u>								
Boggs Road Bridge #66	1,520,000	0	0	0	200,000	20,000	0	1,300,000
Bridge Rehabilitation	2,450,000	950,000	0	300,000	300,000	300,000	300,000	300,000
Carea Road Bridge #126	289,207	89,207	0	0	200,000	0	0	0
Deep Run Road Bridge #152	760,000	0	0	200,000	10,000	0	550,000	0
Edwards Lane Culvert	905,000	5,000	0	0	0	900,000	0	0
Fawn Grove Road Bridge #132	1,335,000	10,000	0	0	200,000	50,000	1,075,000	0
Glen Cove Road Bridge #156	950,000	150,000	0	0	800,000	0	0	0
Moore's Road Bridge #78	1,095,000	0	0	0	200,000	25,000	0	870,000
Phillips Mill Road Bridge #70	1,925,000	550,000	0	1,375,000	0	0	0	0
Scarboro Road Bridge #140	210,000	0	0	0	0	0	200,000	10,000
Structural Evaluation	670,000	420,000	0	50,000	50,000	50,000	50,000	50,000
<u>Open Projects:</u>								
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0
Watervale Road Bridge #63	4,155,000	4,155,000	0	0	0	0	0	0
<b>Bridges Total by Project</b>	<b>56,252,657</b>	<b>30,621,499</b>	<b>2,516,158</b>	<b>8,235,000</b>	<b>3,755,000</b>	<b>4,220,000</b>	<b>2,925,000</b>	<b>3,980,000</b>
Paygo	21,007,084	14,182,084	600,000	1,000,000	1,200,000	2,125,000	1,000,000	900,000
Prior Paygo	(185,638)	(91,796)	(93,842)	0	0	0	0	0
Future Bonds	10,104,000	0	1,260,000	2,655,000	1,619,000	565,000	1,825,000	2,180,000
Prior Bonds	2,110,559	2,110,559	0	0	0	0	0	0
Reappropriated	669,652	669,652	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0
Federal	22,067,000	13,271,000	750,000	4,580,000	936,000	1,530,000	100,000	900,000
Other	480,000	480,000	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0
<b>Bridges Total by Fund</b>	<b>56,252,657</b>	<b>30,621,499</b>	<b>2,516,158</b>	<b>8,235,000</b>	<b>3,755,000</b>	<b>4,220,000</b>	<b>2,925,000</b>	<b>3,980,000</b>

**HARFORD COUNTY, MARYLAND**  
**APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>ROADWAYS</b>								
<u>FY 18 Funded Projects:</u>								
Chapel Road Improvements	225,000	0	225,000	0	0	0	0	0
Drainage Improvements	2,450,000	1,425,000	150,000	175,000	175,000	175,000	175,000	175,000
Guardrails	1,150,000	425,000	100,000	125,000	125,000	125,000	125,000	125,000
Intersection Improvements	4,711,728	2,431,728	450,000	630,000	300,000	300,000	300,000	300,000
Moore's Mill Road	10,363,088	9,713,088	650,000	0	0	0	0	0
New Roads and Stormdrains	3,625,000	2,475,000	150,000	200,000	200,000	200,000	200,000	200,000
Schucks Road Improvements	1,712,192	437,192	0	1,275,000	0	0	0	0
Stormdrain Rehabilitation	2,645,000	1,045,000	200,000	250,000	250,000	300,000	300,000	300,000
Tollgate Road (West Ring Factory Road to Plumtree Road)	7,423,439	5,473,439	1,950,000	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	1,300,000	450,000	100,000	150,000	150,000	150,000	150,000	150,000
<u>Outyear Projects:</u>								
Bata Blvd. Access Road	480,000	0	0	0	30,000	450,000	0	0
MD152/Oakmont Road/Port Lane	950,732	400,732	0	0	0	0	550,000	0
Traffic Signals	309,601	109,601	0	50,000	50,000	50,000	50,000	0
Trimble Road (Joppa Road to Garnett Drive)	650,000	0	0	0	100,000	50,000	0	500,000
<u>Open Projects:</u>								
Cape Knoll Road Acceptance	150,000	150,000	0	0	0	0	0	0
Landis Circle - Foxborough Farms	350,000	350,000	0	0	0	0	0	0
Schucks Road Culvert Replacement	80,000	80,000	0	0	0	0	0	0
Village of Scot's Fancy Starmount Lane	750,000	750,000	0	0	0	0	0	0
Roadways Total by Project	39,325,780	25,715,780	3,975,000	2,855,000	1,380,000	1,800,000	1,850,000	1,750,000
Paygo	19,266,033	10,611,033	1,275,000	1,480,000	1,250,000	1,250,000	1,750,000	1,650,000
Future Bonds	4,235,000	0	2,480,000	1,275,000	30,000	450,000	0	0
Prior Bonds	8,531,707	8,531,707	0	0	0	0	0	0
Reappropriated	309,601	309,601	0	0	0	0	0	0
State	1,783,439	1,663,439	120,000	0	0	0	0	0
Federal	0	0	0	0	0	0	0	0
Developer	3,050,000	2,450,000	100,000	100,000	100,000	100,000	100,000	100,000
Other	2,150,000	2,150,000	0	0	0	0	0	0
Roadways Total by Fund	39,325,780	25,715,780	3,975,000	2,855,000	1,380,000	1,800,000	1,850,000	1,750,000
<b>RESURFACING</b>								
<u>FY 18 Funded Projects:</u>								
Resurfacing Roadways	31,955,017	0	5,705,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000
<u>Open Projects:</u>								
Resurfacing Roadways 14	6,661,509	6,661,509	0	0	0	0	0	0
Resurfacing Roadways 15	5,603,106	5,603,106	0	0	0	0	0	0
Resurfacing Roadways 16	5,292,842	5,292,842	0	0	0	0	0	0
Resurfacing Roadways 17	5,002,435	5,002,435	0	0	0	0	0	0
Resurfacing Total by Project	54,514,909	22,559,892	5,705,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000
Paygo	51,845,675	19,984,500	5,611,175	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000
Reappropriated	2,575,392	2,575,392	0	0	0	0	0	0
Prior Paygo	93,842	0	93,842	0	0	0	0	0
Resurfacing Total by Fund	54,514,909	22,559,892	5,705,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>HIGHWAYS FUND</b>								
<b>OTHER</b>								
<u>FY 18 Funded Projects:</u>								
APG Gate Pilot	2,000,000	820,603	1,179,397	0	0	0	0	0
Fleet Maintenance Facility	1,940,000	0	155,000	1,785,000	0	0	0	0
Fleet Replacement	17,942,000	8,942,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Refresh Program	940,500	365,500	75,000	100,000	100,000	100,000	100,000	100,000
Safeguarding Business Operations	3,687,450	2,687,450	250,000	250,000	250,000	250,000	0	0
Sidewalks and Handicapped Ramps	1,899,300	999,300	150,000	150,000	150,000	150,000	150,000	150,000
<u>Outyear Projects:</u>								
Efficiency Capital Investment Project	355,000	155,000	0	40,000	40,000	40,000	40,000	40,000
Equipment Sheds	200,000	0	0	100,000	100,000	0	0	0
Facilities Repair Program	1,507,000	1,007,000	0	100,000	100,000	100,000	100,000	100,000
<u>Open Projects:</u>								
Fuel Dispensing System Upgrade	950,000	950,000	0	0	0	0	0	0
Glen Elyn Culvert and Ponds Repair	392,500	392,500	0	0	0	0	0	0
HMAN (Harford County Metro Area Network)	930,000	930,000	0	0	0	0	0	0
Primrose Place	146,000	146,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equipment	1,600,000	1,600,000	0	0	0	0	0	0
Other Total by Project	34,489,750	18,995,353	3,309,397	4,025,000	2,240,000	2,140,000	1,890,000	1,890,000
Paygo	30,790,752	18,178,688	2,212,064	2,240,000	2,240,000	2,140,000	1,890,000	1,890,000
Future Bonds	1,940,000	0	155,000	1,785,000	0	0	0	0
Special Paygo	0	0	0	0	0	0	0	0
Reappropriated	138,865	138,865	0	0	0	0	0	0
Federal	169,300	169,300	0	0	0	0	0	0
State	70,000	70,000	0	0	0	0	0	0
Developer	64,650	64,650	0	0	0	0	0	0
Other	1,316,183	373,850	942,333	0	0	0	0	0
Other Total by Fund	34,489,750	18,995,353	3,309,397	4,025,000	2,240,000	2,140,000	1,890,000	1,890,000
<b>TOTAL HIGHWAYS CAPITAL</b>	<b>184,583,096</b>	<b>97,892,524</b>	<b>15,505,572</b>	<b>20,265,000</b>	<b>12,575,000</b>	<b>13,410,000</b>	<b>11,965,000</b>	<b>12,970,000</b>

**HARFORD COUNTY, MARYLAND**  
**APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b><u>WATER &amp; SEWER FUND</u></b>								
<b><u>WATER PROJECTS</u></b>								
<b><u>FY 18 Funded Projects:</u></b>								
Fleet Maintenance Facility	530,000	150,000	30,000	350,000	0	0	0	0
Fleet Replacement	8,262,000	3,462,000	800,000	800,000	800,000	800,000	800,000	800,000
Infrastructure Management System Enhancements	300,000	0	300,000	0	0	0	0	0
Perryman GAC Plant Improvements	1,000,000	0	500,000	500,000	0	0	0	0
Perryman Wellfield Improvement	3,720,000	0	200,000	370,000	0	3,150,000	0	0
Refresh Program	967,000	387,000	80,000	100,000	100,000	100,000	100,000	100,000
Replacement of Water Booster Station SCADA	1,500,000	300,000	1,200,000	0	0	0	0	0
Safeguarding Business Operations	3,936,650	2,824,650	362,000	250,000	250,000	250,000	0	0
Site Acquisition 17	0	364,927	(364,927)	0	0	0	0	0
Tollgate Road Water Main Parallel 15	0	1,292,227	(1,292,227)	0	0	0	0	0
US 40 and Rt 159 SHA Water Relocation	3,800,000	2,600,000	1,200,000	0	0	0	0	0
Water and Sewer Authority Study Establishment	293,013	1,000,000	(706,987)					
Water Zone Improvements	1,230,000	450,000	150,000	230,000		200,000		200,000
<b><u>Outyear Projects:</u></b>								
HDG WTP Upgrade	3,300,000	0	0	150,000	150,000	3,000,000	0	0
Oak Grove Booster Station	330,000	0	0	330,000	0	0	0	0
Renewal and Replacement Water Infrastructure	1,900,000	400,000	0	300,000	300,000	300,000	300,000	300,000
Tank Painting	4,800,000	800,000	0	800,000	800,000	800,000	800,000	800,000
Water Meter Upgrade	2,210,000	1,210,000	0	250,000	250,000	250,000	250,000	0
Water System Model Study	550,000	300,000	0	50,000	50,000	50,000	50,000	50,000
<b><u>Open Projects:</u></b>								
Abingdon Road Water	8,300,000	8,300,000	0	0	0	0	0	0
Abingdon WTP Expansion	76,535,000	76,535,000	0	0	0	0	0	0
City of Baltimore - Deer Creek PS and Valve Improvements	3,700,000	3,700,000	0	0	0	0	0	0
City of Baltimore Raw Water Supply	3,300,000	3,300,000	0	0	0	0	0	0
Construction Unanticipated 12	300,000	300,000	0	0	0	0	0	0
Construction Unanticipated 15	460,000	460,000	0	0	0	0	0	0
Efficiency Capital Investment Projects	300,000	300,000	0	0	0	0	0	0
HMAN (Harford County Metro Area Network)	1,220,000	1,220,000	0	0	0	0	0	0
Magnolia Booster Station	1,450,000	1,450,000	0	0	0	0	0	0
Tank Painting 12	300,000	300,000	0	0	0	0	0	0
Tank Painting 14	500,000	500,000	0	0	0	0	0	0
Tank Painting 15	800,000	800,000	0	0	0	0	0	0
Tank Painting 16	700,000	700,000	0	0	0	0	0	0
Underground and Aboveground Storage Tank Mgt	50,000	50,000	0	0	0	0	0	0
Water and Sewer Billing Project	1,500,000	1,500,000	0	0	0	0	0	0
Water Total by Project	138,043,663	114,955,804	2,457,859	4,480,000	2,700,000	8,900,000	2,300,000	2,250,000
Paygo	34,486,107	16,151,094	1,685,013	3,650,000	2,550,000	5,900,000	2,300,000	2,250,000
Prior Paygo	(300,000)	(300,000)	0	0	0	0	0	0
Future Bonds	6,410,000	0	2,430,000	830,000	150,000	3,000,000	0	0
Prior Bonds	96,324,687	97,689,614	(1,364,927)	0	0	0	0	0
Reappropriated	822,869	1,115,096	(292,227)	0	0	0	0	0
State	300,000	300,000	0	0	0	0	0	0
Water Total by Fund	138,043,663	114,955,804	2,457,859	4,480,000	2,700,000	8,900,000	2,300,000	2,250,000

**HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>SEWER PROJECTS</b>								
<u>FY 18 Funded Projects:</u>								
Bio Solids Facilities Enhancements	12,900,000	900,000	4,000,000	4,000,000	0	0	4,000,000	0
Brentwood Park Pumping Station Improvements	475,000	0	200,000	275,000	0	0	0	0
Bynum Ridge Replacement Sewer	800,000	240,000	560,000	0	0	0	0	0
Delta WWTP Plant Upgrades	225,000	0	200,000	25,000	0	0	0	0
Edgewood Interceptor Sewer Parallel	9,500,000	500,000	150,000	0	0	0	3,600,000	5,250,000
Inventory Storage and Control Improvements	5,635,000	0	85,000	300,000	3,200,000	2,050,000	0	0
Lower Bynum Run Interceptor Phase 6 & 7	18,120,324	9,463,170	2,657,154	0	2,500,000	3,500,000	0	0
Pumping Station Improvements	1,065,000	0	65,000	200,000	200,000	200,000	200,000	200,000
Ring Factory PS and Fairwind Fams Abandonment	1,465,000	1,360,000	105,000	0	0	0	0	0
Sod Run WWTP Ultraviolet Disinfection Project	2,700,000	0	200,000	2,500,000	0	0	0	0
Utility Protection/Restoration	1,700,000	500,000	200,000	200,000	200,000	200,000	200,000	200,000
<u>Outyear Projects</u>								
Bill Bass PS FM Replacement	11,200,384	900,384	0	4,100,000	0	0	6,200,000	0
Infiltration and Inflow	650,000	350,000	0	100,000	0	100,000	0	100,000
Renewal and Replacement Sewer Infrastructure	2,000,000	800,000	0	300,000	300,000	300,000	300,000	0
Sod Run Facility Improvements	7,400,000	3,100,000	0	1,300,000	1,000,000	700,000	1,000,000	300,000
<u>Open Projects:</u>								
Bush Creek Pump Station	28,400,000	28,400,000	0	0	0	0	0	0
ENR Refinement at Sod Run	57,500,000	57,500,000	0	0	0	0	0	0
Fallston Sanitation Sub-District Sewer Capacity Study	300,000	300,000	0	0	0	0	0	0
Green Ridge Pump Station Replacement	1,500,000	1,500,000	0	0	0	0	0	0
Harford WWTP Facility Improvements	885,000	885,000	0	0	0	0	0	0
Joppatowne Pump Station No. 47	4,050,000	4,050,000	0	0	0	0	0	0
Lower Bynum Run	9,640,000	9,640,000	0	0	0	0	0	0
Oaklyn Manor/Joppa Area Sewer Relief	1,950,300	1,950,300	0	0	0	0	0	0
Town Center Drive Pump Station Replacement	350,000	350,000	0	0	0	0	0	0
Sewer Total by Project	180,411,008	122,688,854	8,422,154	13,300,000	7,400,000	7,050,000	15,500,000	6,050,000
Paygo	20,606,450	7,141,450	1,615,000	3,900,000	3,900,000	2,850,000	700,000	500,000
Prior Paygo	300,000	300,000	0	0	0	0	0	0
Future Bonds	42,600,000	0	5,150,000	9,400,000	3,500,000	4,200,000	14,800,000	5,550,000
Prior Bonds		66,236,350	1,657,154	0	0	0	0	0
Reappropriated	1,083,736	1,083,736	0	0	0	0	0	0
State	46,400,000	46,400,000	0	0	0	0	0	0
Federal	1,250,300	1,250,300	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Developer	277,018	277,018	0	0	0	0	0	0
Sewer Total by Fund	180,411,008	122,688,854	8,422,154	13,300,000	7,400,000	7,050,000	15,500,000	6,050,000
<b>TOTAL WATER &amp; SEWER CAPITAL</b>	<b>318,454,671</b>	<b>237,644,658</b>	<b>10,880,013</b>	<b>17,780,000</b>	<b>10,100,000</b>	<b>15,950,000</b>	<b>17,800,000</b>	<b>8,300,000</b>
	<b>TOTAL COST</b>	<b>PRIOR APPROP</b>	<b>BUDGET FY 2018</b>	<b>FY 2019</b>	<b>FIVE YEAR CAPITAL PROGRAM</b>			
					<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<b>TOTAL CAPITAL IMPROVEMENT PROGRAM</b>	<b>1,791,275,722</b>	<b>1,235,923,222</b>	<b>125,799,500</b>	<b>129,617,000</b>	<b>78,831,000</b>	<b>73,915,000</b>	<b>79,070,000</b>	<b>68,120,000</b>

## CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET

<u>Project Title/Description</u>	<u>FY 18 Budget Appropriation</u>	<u>Total Project Cost</u>	<u>Operating Budget Impact</u>
<b>GENERAL PROJECTS:</b>			
<u>Courthouse Building Repairs</u> This project provides funds for repairs and renovations to the Courthouse building. For FY 18 a new judge's chamber, entry renovation, masonry window restoration and roof replacement are planned.	\$2,000,000	\$7,034,900	There will be less than a \$4,000 annual operating maintenance cost impact from the renovations and restorations to the Courthouse building.
<b>STORMWATER MANAGEMENT PROJECTS:</b>			
<u>County Owned Watershed Restoration Improvements</u> This project will be used for design & construction of projects located on County owned property. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.	\$1,850,000	\$23,800,000	Long term maintenance fees for new stormwater facilities.
<u>Joppatowne Area Watershed Restoration</u> This project will provide funds for dredging in the tidal areas of Foster Branch and Rumsey Island, required for boating access. A watershed assessment in 2012 provided prioritized recommendations for restoration projects.	\$950,000	\$6,250,000	Long term maintenance fees for new stormwater facilities.
<u>Plumtree Run Watershed Restoration</u> The Plumtree Run Watershed is the most developed watershed in Harford County. This project will include prioritized recommendations including ten stream restorations and seven stormwater management retrofits.	\$1,800,000	\$9,243,452	Long term maintenance fees for new stormwater facilities.

## **CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**

<b><u>Project Title/Description</u></b>	<b><u>FY 18 Budget Appropriation</u></b>	<b><u>Total Project Cost</u></b>	<b><u>Operating Budget Impact</u></b>
<u>Riverside Area Watershed Restoration</u> This project will fund the restoration projects at Declaration Run in Riverside. This watershed discharges directly into Bush Creek and includes the Riverside community.	\$1,300,000	\$7,085,886	Long term maintenance fees for new stormwater facilities.
<u>Sams Branch Watershed Restoration</u> Sams Branch Watershed drains from Edgewood Elementary School through the Edgewood Meadows community to Otter Point Creek. This project will fund restoration projects that were identified as part of the assessment and monitoring plan for this watershed.	\$1,100,000	\$4,272,922	Long term maintenance fees for new stormwater facilities.
<u>Upper Bynum Run Watershed Restoration Improvements</u> This project will provide funding for an assessment of the watershed and stream restorations and/or stormwater management retrofits that provide the most cost effective improvements to water quality.	\$550,000	\$2,000,000	Long term maintenance fees for new stormwater facilities.
<u>Wheel Creek Watershed Restoration</u> The Wheel Creek Watershed assessment prioritized recommendations for restoration projects, including four stream restorations and five stormwater management retrofit projects that provide the most cost effective improvements to water quality for the 435 acre watershed.	\$150,000	\$7,139,607	Long term maintenance fees for new stormwater facilities.

## **CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**

<b><u>Project Title/Description</u></b>	<b><u>FY 18 Budget Appropriation</u></b>	<b><u>Total Project Cost</u></b>	<b><u>Operating Budget Impact</u></b>
<b><i>PUBLIC SAFETY PROJECTS:</i></b>			
<u>Mobile/Portable Radio Upgrades</u> This project provides radio service/support for all county law enforcement, public safety, and public service entities.	\$150,000	\$150,000	Ongoing maintenance of radio equipment.
<b><i>PARKS AND RECREATION PROJECTS:</i></b>			
<u>Athletic Field Improvements</u> Design for replacement of the natural turf stadium field at Patterson Mill Middle/High School. Replacement of existing turf field that is at the end of its useful life at North Harford High School.	\$1,400,000	\$15,800,000	Weekly maintenance, including field grooming and trash collection.
<u>Canoe and Kayak Water Access</u> This project provides funding for construction of canoe and kayak launches along various waterways throughout the County. The project will provide additional recreation opportunities along waterways, such as Deer Creek.	\$280,000	\$1,005,000	Weekly maintenance, including grass mowing and trash collection.
<u>Emily Bayliss Graham Park</u> This project provides funding for development of Emily Bayliss Graham Park, a passive park site in Emmorton. The park will include trails, picnic pavilions and opportunities for the public to learn about the history of the site and surrounding community.	\$200,000	\$2,800,000	Weekly maintenance, including trail maintenance and trash collection.

## CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET

<u>Project Title/Description</u>	<u>FY 18 Budget Appropriation</u>	<u>Total Project Cost</u>	<u>Operating Budget Impact</u>
<b><i>PARKS AND RECREATION PROJECTS:</i></b>			
<u>Parkland Acquisition</u> This project is for acquisition of property to add to the County park inventory. The amount of acreage the Department is able to purchase is affected by the location and price of each parcel. Since the beginning of 2006, the Department has added over 450 acres to its inventory. While not all of these sites required regular mowing at the time of their acquisition, most of the acreage will be developed into future park sites if they have not already been developed and require more intensive maintenance.	\$1,050,000	\$10,441,000	The Department currently pays approximately \$24.50/acre to mow at park sites. Assuming a site is mowed 24 times per mowing season and assuming only half of the added acreage (225) will be mowed, the cost to maintain this additional acreage is \$132,000 per mowing season. This is the equivalent of approximately 2.5 FTE Maintenance Worker I positions for the Department.
<u>Trails and Linear Parks</u> Design and construction of the connecting section of the Ma and Pa trail from Williams Street trailhead to Blake's Venture Park.	\$1,550,000	\$6,100,000	Weekly maintenance, including trail maintenance and trash collection.

## **CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**

<b><u>Project Title/Description</u></b>	<b><u>FY 18 Budget Appropriation</u></b>	<b><u>Total Project Cost</u></b>	<b><u>Operating Budget Impact</u></b>
<b><i>HIGHWAYS PROJECTS:</i></b>			
<u>Fleet Replacement</u> The purpose of this project is to replace existing vehicles and equipment that has exceeded their useful life.	\$1,500,000	\$17,942,000	Long term reductions in vehicle maintenance expenditures and downtime of needed equipment.
<u>Refresh Program</u> This project is to refresh computers, network infrastructure, servers, storage, software and peripherals throughout the County.	\$75,000	\$940,500	Ability to order large volume of computers at one time, reducing the impact of replacing too much equipment at one time.
<u>Safeguarding Business Operations</u> The purpose of this project is to integrate and modernize enterprise software applications and architecture across the County. Projects will include Enterprise Resource Planning, Applications, & Database modernization.	\$250,000	\$3,687,450	Annual license/maintenance fees associated with this project.
<u>Resurfacing Roadways FY 18</u> The purpose of this project is to upgrade and overlay the County's 630+ miles of asphalt road.	\$5,705,017	\$31,955,017	Potential for long term reductions in material costs for roadway repairs.

## **CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**

<b><u>Project Title/Description</u></b>	<b><u>FY 18 Budget Appropriation</u></b>	<b><u>Total Project Cost</u></b>	<b><u>Operating Budget Impact</u></b>
<b><i>WATER AND SEWER PROJECTS:</i></b>			
<u>Fleet Replacement</u> The purpose of this project is to replace existing vehicles and equipment that has exceeded their useful life.	\$800,000	\$8,262,000	Long term reductions in vehicle maintenance expenditures and downtime of needed equipment.
<u>Refresh Program</u> This project is to refresh computers, network infrastructure, servers, storage, software and peripherals throughout the County.	\$80,000	\$967,000	Ability to order large volume of computers at one time, reducing the impact of replacing too much equipment at one time.
<u>Safeguarding Business Operations</u> The purpose of this project is to integrate and modernize enterprise software applications and architecture across the County. Projects will include Enterprise Resource Planning, Applications, & Database modernization.	\$362,000	\$3,936,650	Annual license/maintenance fees associated with this project.

Included in the FY 18 Capital Improvement Program are the following projects that have planned funding of future county bonds payable over 20 years. These projects will impact future operating budgets with principal, interest and service cost expenses. Also included are projects with prior bond appropriations that have been reallocated to other capital projects.

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<b><u>Project Title/Purpose</u></b>	<b><u>FY 18 Budget</u></b>	<b><u>FY 19</u></b>	<b><u>FY 20</u></b>	<b><u>FY 21</u></b>	<b><u>FY 22</u></b>	<b><u>FY 23</u></b>	<b><u>Total Bond Funding</u></b>
<b><i>GENERAL PROJECTS:</i></b>							
<u>Courthouse Building Repairs</u> This project provides funds for repairs and renovations to the Courthouse building.	2,000,000	0	0	0	0	0	\$2,000,000
<u>Facilities Repair Program</u> This project provides funding for replacement, renovation and repairs of county building systems.	3,000,000	500,000	500,000	500,000	500,000	0	\$5,000,000
<u>Fleet Maintenance Facility</u> This project will provide for engineering & design of a new Fleet Maintenance/Radio Shop facility.	117,000	1,365,000	0	0	0	0	\$1,482,000
<u>Harford County Agricultural Research and Exposition Center</u> This project will provide funding for site and engineering costs of an agricultural research and exposition facility in Harford County.	350,000	0	0	0	0	0	\$350,000
<u>Site Acquisition</u> This project is for the acquisition of privately owned land in those areas of need where donated land appears unlikely.	0	500,000	500,000	500,000	500,000	500,000	\$2,500,000

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 18 Budget</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>Total Bond Funding</u>
<b><i>STORMWATER MANAGEMENT PROJECTS:</i></b>							
<u>Bynum Run @ St. Andrews Water Stream Restoration</u> This project provides for the design and construction of a stream restoration at Bynum Run.	800,000	0	0	0	0	0	\$800,000
<u>County Owned Watershed Restoration Improvements</u> Funding will be provided for projects designed and constructed to reduce pollutant loading and improve water quality of the streams and rivers in Harford County.	800,000	1,800,000	1,900,000	2,000,000	2,250,000	2,350,000	\$11,100,000
<u>Joppatowne Area Watershed Restoration</u> Dredging and restoration in the areas of Foster Branch and Rumsey Island in Joppatowne.	800,000	400,000	400,000	400,000	400,000	400,000	\$2,800,000
<u>Plumtree Run Watershed Restoration</u> Stream restoration and stormwater management retrofit in the Plumtree Run Watershed.	800,000	400,000	400,000	400,000	400,000	400,000	\$2,800,000
<u>Riverside Area Watershed Restoration</u> Restoration projects in the Riverside Area Watershed including Declaration Run, Bush Creek and the Riverside community.	800,000	400,000	400,000	400,000	400,000	400,000	\$2,800,000
<u>Sams Branch Watershed Restoration</u> Provides for restoration of the Sams Branch Watershed from Edgewood Elementary School through the Edgewood Meadows Community.	300,000	300,000	300,000	300,000	300,000	300,000	\$1,800,000

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<b><u>Project Title/Purpose</u></b>	<b><u>FY 18 Budget</u></b>	<b><u>FY 19</u></b>	<b><u>FY 20</u></b>	<b><u>FY 21</u></b>	<b><u>FY 22</u></b>	<b><u>FY 23</u></b>	<b><u>Total Bond Funding</u></b>
<b><i>STORMWATER MANAGEMENT PROJECTS:</i></b>							
<u>Upper Bynum Watershed Restoration Improvements</u> An assessment of the watershed will provide prioritizations for restoration projects and retrofits that provide the most cost effective improvements to water quality.	400,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$5,400,000
<u>Watershed Restoration Assessment</u> This project provides funding for management tools used to develop programs to address water quality issues.	400,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	\$6,400,000
<u>Watershed Restoration Improvements</u> This project will provide funding to reduce pollutant loading and improve water quality of the streams and rivers in Harford County.	500,000	400,000	400,000	400,000	400,000	400,000	\$2,500,000
<u>Wheel Creek Watershed Restoration</u> This project provides funding for prioritized restoration projects including 4 stream restorations and 5 stormwater management retrofit projects.	150,000	150,000	150,000	150,000	0	0	\$600,000

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 18 Budget</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>Total Bond Funding</u>
<b><i>HARFORD COMMUNITY COLLEGE:</i></b>							
<u>Fallston Hall Renovations</u> This project will include updating the building's life safety systems; HVAC replacements; upgrade of elevator; lighting and plumbing systems; telecommunications and technology; and interior architectural changes.	278,000	2,761,672	330,400	0	0	0	\$3,370,072
<b><i>BOARD OF EDUCATION:</i></b>							
<u>Bel Air ES HVAC Systemic Renovation &amp; Open Space Enclosure</u> This project will address the replacement of the HVAC system as well as the open space classroom configuration on the first floor.	3,969,500	0	0	0	0	0	\$3,969,500
<u>Havre de Grace Middle/High School Replacement</u> This project will provide for a new building of approximately 240,000 square feet to replace the current two (2) building facility.	28,000,000	32,287,000	12,821,000	0	0	0	\$73,108,000
<u>Major HVAC Repairs</u> This project provides funding for large major equipment repairs and replacement of HVAC equipment at various school buildings.	0	0	1,000,000	1,000,000	1,000,000	1,000,000	\$4,000,000
<u>Roof Replacement - North Harford Elementary School</u> This project will provide for necessary roof replacement to prevent damage to the interior of the building	495,000	0	0	0	0	0	\$495,000
<u>Major Roof Repair/Replacement</u> This project provides funding for large major repairs and replacement of roofs for Harford County Public Schools.	0	0	750,000	750,000	750,000	750,000	\$3,000,000

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<b><u>Project Title/Purpose</u></b>	<b><u>FY 18 Budget</u></b>	<b><u>FY 19</u></b>	<b><u>FY 20</u></b>	<b><u>FY 21</u></b>	<b><u>FY 22</u></b>	<b><u>FY 23</u></b>	<b><u>Total Bond Funding</u></b>
<b><i>PARKS AND RECREATION:</i></b>							
<u>Athletic Field Improvements</u> Funding provides for major improvements to athletic fields at various locations throughout the County by the installation of synthetic turf.	1,400,000	150,000	1,400,000	575,000	575,000	700,000	\$4,800,000
<u>Enlarged Gymnasiums &amp; Joint Facilities</u> This project will provide for construction of shared facilities at public schools such as enlarged gymnasiums, activity rooms, and recreation storage.	600,000	0	0	0	0	0	\$600,000
<u>Swan Harbor Farm Improvements</u> This project proposes renovations and improvements at Swan Harbor Farm. Funding for FY 18 will be used for improvements to the farm house and event area. Future projects include the construction of a recreational trail from the City limits of Havre de Grace through Swan Harbor Farm to the waterfront.	0	0	0	1,050,000	0	0	\$1,050,000
<u>Aberdeen Activity Center</u> This project will provide for a multi-purpose center to serve leisure needs for all ages in the Aberdeen community. The current Aberdeen Center is undersized and lacks space.	0	0	0	500,000	8,000,000	0	\$8,500,000
<u>Jarrettsville Recreation Center</u> This project will provide a multipurpose center to serve the leisure needs for the Jarrettsville community. The center will include a gymnasium, fitness room and multipurpose rooms.	0	0	0	0	0	6,500,000	\$6,500,000

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<b><u>Project Title/Purpose</u></b>	<b><u>FY 18 Budget</u></b>	<b><u>FY 19</u></b>	<b><u>FY 20</u></b>	<b><u>FY 21</u></b>	<b><u>FY 22</u></b>	<b><u>FY 23</u></b>	<b><u>Total Bond Funding</u></b>
<b><i>PARKS AND RECREATION:</i></b>							
<u>Joppa/Joppatowne Youth/Senior Center</u> This project will provide funding for a multipurpose center to serve the leisure needs for all ages in the Joppa/Joppatowne community. The center will be utilized by the Office on Aging as a Senior Center and by the Department of Parks and Recreation for a variety of community recreation activities.	0	0	0	0	0	500,000	\$500,000
<u>Northern Regional Park</u> This project proposes a regional recreaion facility to serve multiple recreation councils in the northern part of the County. A park site has been acquired for this facility.	0	0	0	0	500,000	0	\$500,000
<b><u>TOTAL PLANNED 20 YEAR GENERAL FUND BONDS:</u></b>	<b><u>45,959,500</u></b>	<b><u>43,613,672</u></b>	<b><u>23,451,400</u></b>	<b><u>11,125,000</u></b>	<b><u>18,175,000</u></b>	<b><u>16,400,000</u></b>	<b><u>\$158,724,572</u></b>

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 18 Budget</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>Total Bond Funding</u>
<b><i>HIGHWAYS FUND PROJECTS:</i></b>							
<u>Abingdon Road Bridge #169 over CSX</u> This project replaces the existing bridge over the CSX.	0	725,000	0	0	0	0	\$725,000
<u>Glenville Road Bridge #30</u> This project is to replace the bridge that carries Glenville Road over Mill Brook.	40,000	25,000	209,000	0	0	0	\$274,000
<u>Green Road Bridges #119 and #122</u> This project is to replace the bridges that carry Green Road over a tributary of Deer Creek.	75,000	0	0	0	0	0	\$75,000
<u>Johnson Mill Road Bridge #45</u> This project is to replace the Johnson Mill Road Bridge #45 over Stout Bottle Branch.	60,000	10,000	0	470,000	0	0	\$540,000
<u>New Park Road Bridge #125</u> This project is to replace the bridge that carries New Park Road over Island Branch. The existing bridge is narrow and poorly aligned with the approaches.	100,000	0	0	0	0	0	\$100,000
<u>Robinson Mill Road Bridge #154</u> This project is to replace the entire bridge that carries Robinson Mill over Broad Creek. This project is eligible for Federal funds.	60,000	0	0	0	0	0	\$60,000
<u>Snake Lane Bridge #31</u> This project will replace Snake Lane Bridge #31 over James Run.	900,000	0	0	0	0	0	\$900,000

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<b><u>Project Title/Purpose</u></b>	<b><u>FY 18 Budget</u></b>	<b><u>FY 19</u></b>	<b><u>FY 20</u></b>	<b><u>FY 21</u></b>	<b><u>FY 22</u></b>	<b><u>FY 23</u></b>	<b><u>Total Bond Funding</u></b>
<b><i>HIGHWAYS FUND PROJECTS (cont.):</i></b>							
<u>Stafford Road Bridge #24</u> This bridge carries Stafford Road over Deer Creek.	25,000	320,000	0	0	0	0	\$345,000
<u>Boggs Road Bridge #66</u> This project will replace the bridge that carries Boggs Road over Long Branch.	0	0	200,000	20,000	0	1,300,000	\$1,520,000
<u>Deep Run Road Bridge #152</u> This project is to replace the bridge that carries Deep Run Road over Deep Run.	0	200,000	10,000	0	550,000	0	\$760,000
<u>Fawn Grove Road Bridge #132</u> This project will replace the bridge that carries Fawn Grove Road over a tributary of Deer Creek.	0	0	200,000	50,000	1,075,000	0	\$1,325,000
<u>Glen Cove Road Bridge #156</u> This project is to replace the bridge that carries Glen Cove Road over Peddler Run.	0	0	800,000	0	0	0	\$800,000
<u>Moore's Road Bridge #78</u> This project will replace the bridge that carries Moore's Road over a tributary to Gunpowder Falls.	0	0	200,000	25,000	0	870,000	\$1,095,000
<u>Phillips Mill Road Bridge #70</u> This project will replace the bridge that carries Phillips Mill Road over a tributary to East Branch.	0	1,375,000	0	0	0	0	\$1,375,000

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 18 Budget</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>Total Bond Funding</u>
<b><i>HIGHWAYS FUND PROJECTS (cont.):</i></b>							
<u>Scarboro Road Bridge #140</u> This project will replace the bridge that carries Scarboro Road over a tributary to Deer Creek.	0	0	0	0	200,000	10,000	\$210,000
<u>Moores Mill Road</u> This project consists of improving Moores Mill Road, which is a connector road between two State roads.	530,000	0	0	0	0	0	\$530,000
<u>Schucks Road Improvements</u> This project is to replace the existing culvert on Schucks Road at Edwards Lane.	0	1,275,000	0	0	0	0	\$1,275,000
<u>Tollgate Road (W. Ring Factory Rd. to Plumtree Rd.)</u> This project will complete the "missing" road segment to the south of Plumtree Rd.	1,950,000	0	0	0	0	0	\$1,950,000
<u>Bata Boulevard Access Road</u> This project will construct an access road from MD 543 directly to Bata Boulevard.	0	0	30,000	450,000	0	0	\$480,000
<u>Fleet Maintenance Facility</u> This project provides for engineering and design of a new Fleet Maintenance/Radio Shop facility. This facility was listed as a high priority in the Countywide Facility Master Plan Study.	155,000	1,785,000	0	0	0	0	\$1,940,000
<b><u>TOTAL PLANNED 20 YEAR HIGHWAYS FUND BONDS:</u></b>	<b><u>3,895,000</u></b>	<b><u>5,715,000</u></b>	<b><u>1,649,000</u></b>	<b><u>1,015,000</u></b>	<b><u>1,825,000</u></b>	<b><u>2,180,000</u></b>	<b><u>\$16,279,000</u></b>

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 18 Budget</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>Total Bond Funding</u>
<b><i>WATER AND SEWER FUND PROJECTS:</i></b>							
<u>Fleet Maintenance Facility</u> This project provides for engineering and design of a new Fleet Maintenance/Radio Shop facility. This facility was listed as a high priority in the Countywide Facility Master Plan Study.	30,000	350,000	0	0	0	0	\$380,000
<u>Replacement of Water Booster Station SCADA</u> This project will allow for a study to select the appropriate replacement system for the Water Booster Station Supervisory Control and Data Acquisition (SCADA) system.	1,200,000	0	0	0	0	0	\$1,200,000
<u>US 40 and Rt. 159 SHA Water Relocation</u> It is required that the County pay for water relocation of County lines that are in SHA right of way. This project will allow for approximately 1,100 lf of reconstruction.	1,200,000	0	0	0	0	0	\$1,200,000
<u>Havre de Grace Water Treatment Plant Upgrade</u> This project will allow for the addition of the third treatment unit and various upgrades to the existing plant to replace the capacity of the system as Havre de Grace buys their water supply capacity back within the terms of the 1980's agreement.	0	150,000	150,000	3,000,000	0	0	\$3,300,000
<u>Oak Grove Booster Station</u> This project will provide for the County's portion of a new water booster station, to allow for abandonment of the existing Woodbridge station.	0	330,000	0	0	0	0	\$330,000

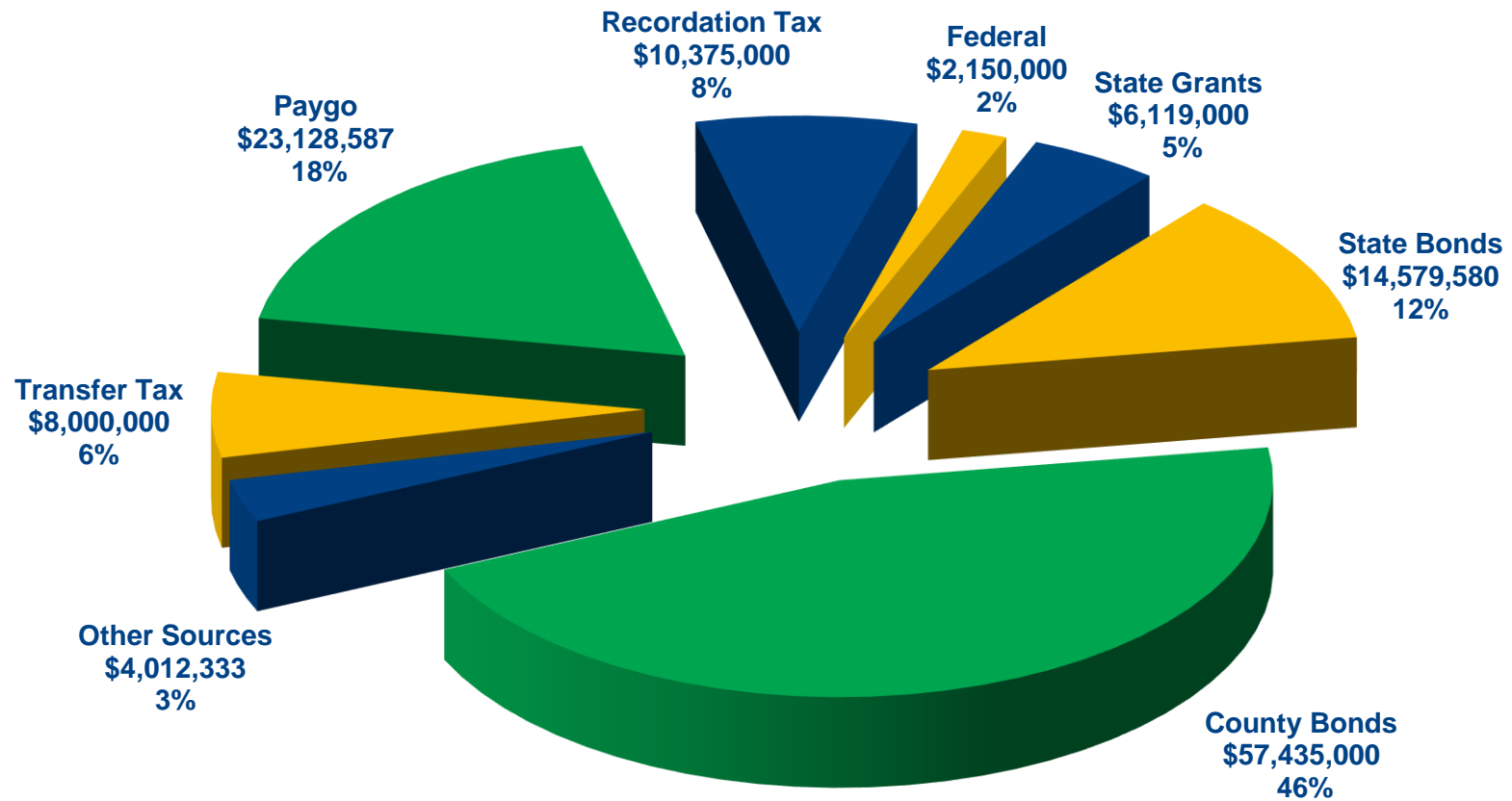
**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**  
**PROJECTS THAT IMPACT DEBT SERVICE**

**PLANNED BOND FUNDING**

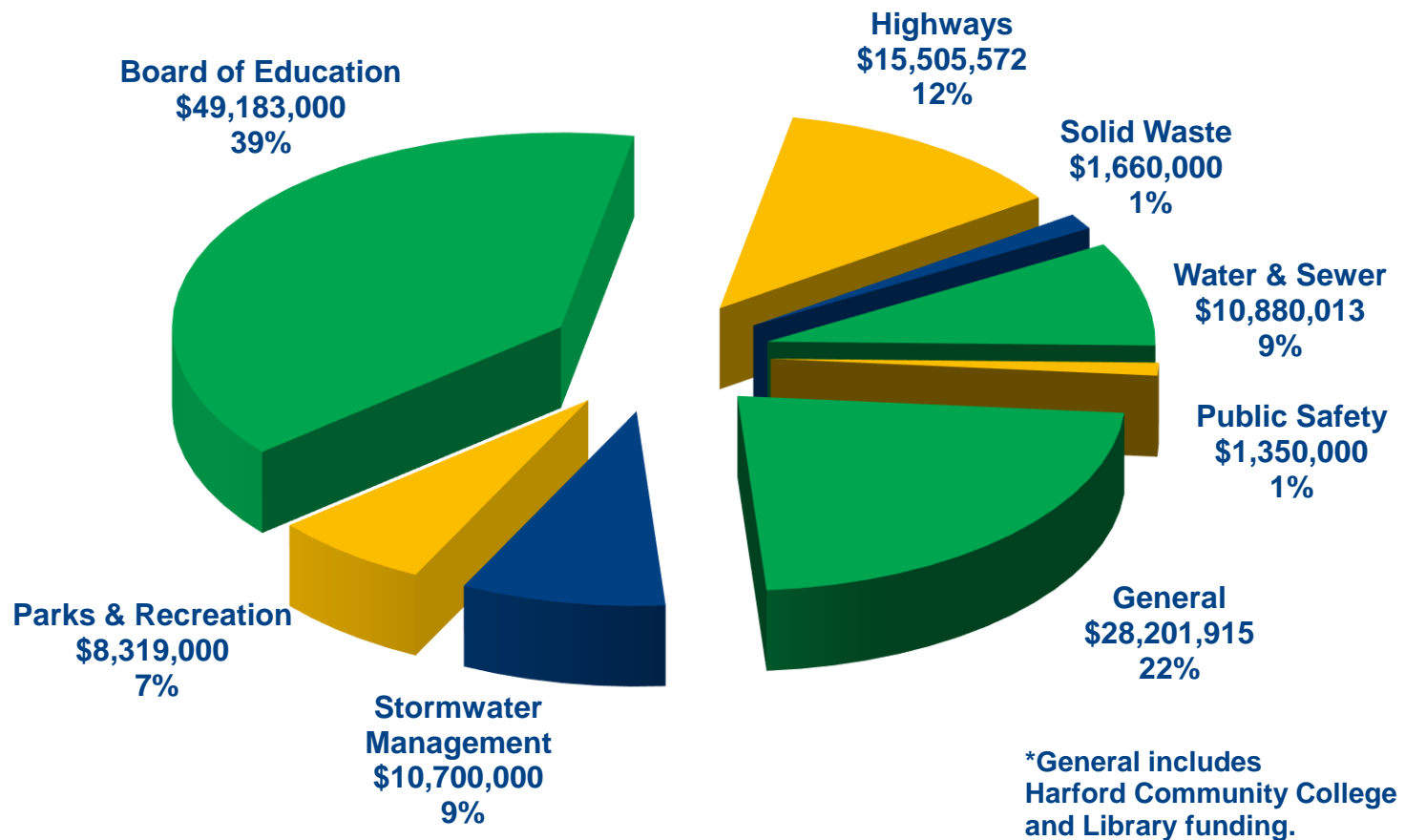
<u>Project Title/Purpose</u>	<u>FY 18 Budget</u>	<u>FY 19</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>Total Bond Funding</u>
<b><i>WATER AND SEWER FUND PROJECTS (cont.):</i></b>							
<u>Bio Solids Facilities Enhancements</u> This project is to fund the enhancements to our bio solids treatment facilities and bio solids recycling/disposal program.	4,000,000	4,000,000	0	0	4,000,000	0	\$12,000,000
<u>Edgewood Interceptor Sewer Parallel</u> This project will fund the design and construction of approximately 9,000 linear feet of 36 inch parallel sewer between Bill Bass Pump Station and Winter's Run Outfall Sewer.	150,000	0	0	0	3,600,000	5,250,000	\$9,000,000
<u>Lower Bynum Run Interceptor Phase 6&amp;7</u> This project will provide for the design, permits and construction of a parallel to the existing Bynum Run Interceptor, from Wheel Road to the Plumtree Interceptor, near MacPhail.	1,000,000	0	2,500,000	3,500,000	0	0	\$7,000,000
<u>Bill Bass PS FM Replacement</u> This project will allow for the funding, design and construction of a new replacement force main to the Bill Bass Pump Station.	0	4,100,000	0	0	6,200,000	0	\$10,300,000
<u>Sod Run Facility Improvements</u> This project will provide for studies, design and construction of improvements to various tanks, vaults, buildings, electrical systems, and instrumentation equipment approaching its useful end of life.	0	1,300,000	1,000,000	700,000	1,000,000	300,000	\$4,300,000
<b><u>TOTAL PLANNED 20 YEAR WATER &amp; SEWER FUND BONDS:</u></b>	<b>7,580,000</b>	<b>10,230,000</b>	<b>3,650,000</b>	<b>7,200,000</b>	<b>14,800,000</b>	<b>5,550,000</b>	<b>\$49,010,000</b>
<b><u>TOTAL PLANNED 20 ALL FUNDS BONDS:</u></b>	<b>57,434,500</b>	<b>59,558,672</b>	<b>28,750,400</b>	<b>19,340,000</b>	<b>34,800,000</b>	<b>24,130,000</b>	<b>\$224,013,572</b>

# **FY 18 APPROVED CAPITAL BUDGET SUMMARY**

**APPROVED CAPITAL BUDGET  
REVENUES  
FISCAL YEAR 2017 - 2018  
TOTAL BUDGET \$125,799,500**



**APPROVED CAPITAL BUDGET  
APPROPRIATIONS  
FISCAL YEAR 2017 - 2018  
TOTAL BUDGET \$125,799,500**



**FY 18 APPROVED CAPITAL BUDGET**

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
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**GENERAL FUND**

**GENERAL CAPITAL**

Bel Air Parking Garage	(136,162)	(136,162)	0	0	0	0	0	0	0	0	0	0	0
Board of Education Debt Service 18	18,000,000	0	0	0	0	1,700,000	8,000,000	8,300,000	0	0	0	0	0
Countywide Facilities Master Plan Study	(34,425)	(34,425)	0	0	0	0	0	0	0	0	0	0	0
Courthouse Building Repairs	2,000,000	0	0	0	2,000,000	0	0	0	0	0	0	0	0
Edgewood Library Roof Replacement	221,400	0	110,700	0	0	0	0	0	110,700	0	0	0	0
Facilities Repair Program	3,250,000	0	0	0	3,000,000	0	0	0	0	0	250,000	0	0
Fleet Maintenance Facility	117,000	0	0	0	117,000	0	0	0	0	0	0	0	0
Fleet Replacement	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	0	0
Harford Cable Network High-Definition Upgrade	250,000	0	200,000	0	0	0	0	0	0	0	0	0	50,000
Harford County Agricultural Research & Exposition Center	350,000	0	0	0	350,000	0	0	0	0	0	0	0	0
Hosanna School	(18,138)	(18,138)	0	0	0	0	0	0	0	0	0	0	0
Infrastructure Efficiency Capital Investment Projects	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Refresh	300,000	188,725	111,275	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	1,000,000	0	1,000,000	0	0	0	0	0	0	0	0	0	0
Underground and Aboveground Storage Tank Management	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL GENERAL</b>	<b>27,424,675</b>	<b>0</b>	<b>3,546,975</b>	<b>0</b>	<b>5,467,000</b>	<b>1,700,000</b>	<b>8,000,000</b>	<b>8,300,000</b>	<b>110,700</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>50,000</b>

**STORMWATER MANAGEMENT**

Bynum Run @ St. Andrews Way Stream Restoration	850,000	0	0	0	800,000	0	0	0	0	0	50,000	0	0
County Owned SWM Rehabilitation and Repair*	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
County Owned Watershed Restoration Improvements	1,850,000	0	0	50,000	800,000	0	0	0	1,000,000	0	0	0	0
Joppatowne Area Watershed Restoration	950,000	0	0	0	800,000	0	0	0	150,000	0	0	0	0
Maintenance/Repair of Dams FY 14*	350,000	0	100,000	0	0	0	0	0	0	0	0	0	250,000
Plumtree Run Watershed Restoration	1,800,000	0	0	0	800,000	0	0	0	1,000,000	0	0	0	0
Riverside Area Watershed Restoration	1,300,000	0	0	0	800,000	0	0	0	500,000	0	0	0	0
Sams Branch Watershed Restoration	1,100,000	0	0	0	300,000	0	0	0	800,000	0	0	0	0
Septic System Disconnection*	50,000	0	100,000	(50,000)	0	0	0	0	0	0	0	0	0
Stormwater Pollution Prevention*	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Upper Bynum Run Watershed Restoration Improvements	550,000	0	0	0	400,000	0	0	0	150,000	0	0	0	0
Watershed Restoration Assessment	800,000	0	0	0	400,000	0	0	0	300,000	0	100,000	0	0
Watershed Restoration Improvements	650,000	0	0	0	500,000	0	0	0	150,000	0	0	0	0
Watershed Restoration Maintenance*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Wheel Creek Watershed Restoration	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
<b>SUB-TOTAL STORMWATER MANAGEMENT</b>	<b>10,700,000</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>5,750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,050,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>250,000</b>

\*Special Dedicated Paygo

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<b>GENERAL FUND</b>													
<b>PUBLIC SAFETY</b>													
911 State Fee Fund	100,000	0	0	0	0	0	0	0	100,000	0	0	0	0
Mobile/Portable Radio Upgrades	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Public Safety Communication in School Buildings	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
SCBA Replacement	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
VFC Facility Repair	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
Whiteford VFC - Renovation of Main Station	350,000	0	350,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL PUBLIC SAFETY</b>	<b>1,350,000</b>	<b>0</b>	<b>1,250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>HARFORD COMMUNITY COLLEGE</b>													
Fallston Hall Renovations	586,880	0	0	0	278,000	0	0	0	308,880	0	0	0	0
<b>SUB-TOTAL HARFORD COMMUNITY COLLEGE</b>	<b>586,880</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>278,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>308,880</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>LIBRARIES</b>													
Aberdeen Branch - Expansion	(9,640)	(9,640)	0	0	0	0	0	0	0	0	0	0	0
Technology	200,000	9,640	190,360										
<b>SUB-TOTAL LIBRARIES</b>	<b>190,360</b>	<b>0</b>	<b>190,360</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BOARD OF EDUCATION</b>													
Athletic Fields Repair and Restoration	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bel Air ES HVAC Systemic Renovation & Open Space	7,561,000	0	0	0	3,970,000	0	0	0	3,591,000	0	0	0	0
Havre de Grace Middle/High School Replacement	38,000,000	0	0	0	28,000,000	0	0	0	10,000,000	0	0	0	0
Major HVAC Repairs	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
North Harford HS Aquaculture Lab and Greenhouse	830,000	0	830,000	0	0	0	0	0	0	0	0	0	0
Replacement Buses	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Roof Replacement - North Harford Elementary School	1,064,000	0	0	0	495,000	0	0	0	569,000	0	0	0	0
Swimming Pool Renovations	353,000	0	353,000	0	0	0	0	0	0	0	0	0	0
Technology Infrastructure	1,000,000	0	1,000,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL BOARD OF EDUCATION</b>	<b>49,183,000</b>	<b>0</b>	<b>2,558,000</b>	<b>0</b>	<b>32,465,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,160,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>SUB-TOTAL GENERAL FUND CAPITAL</b>	<b>89,434,915</b>	<b>0</b>	<b>8,045,335</b>	<b>0</b>	<b>43,960,000</b>	<b>1,700,000</b>	<b>8,000,000</b>	<b>8,300,000</b>	<b>18,729,580</b>	<b>0</b>	<b>400,000</b>	<b>0</b>	<b>300,000</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

**SOLID WASTE SERVICES**

**SOLID WASTE SERVICES**

HWDC Expansion	400,000	0	0	400,000	0	0	0	0	0	0	0	0	0
HWDC Pavement Upgrades	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Scarboro Landfill Groundwater Treatment Plan Eval & Upgrades	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Tollgate Yard Trim Recycling Center	(400,000)	0	0	(400,000)	0	0	0	0	0	0	0	0	0
Waste to Energy Facility Closure	1,310,000		1,310,000										

SUB-TOTAL SOLID WASTE CAPITAL	1,660,000	0	1,660,000	0	0	0	0	0	0	0	0	0	0
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TOTAL ALL GENERAL FUND CAPITAL	91,094,915	0	9,705,335	0	43,960,000	1,700,000	8,000,000	8,300,000	18,729,580	0	400,000	0	300,000
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FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

**PARKS & RECREATION FUND**

**PARKS & RECREATION**

ADA Improvements	120,000	0	0	0	0	0	0	50,000	0	0	0	0	70,000
Anita C. Leight Improvements	25,000	0	0	0	0	0	0	25,000	0	0	0	0	0
Athletic Field Improvements	1,400,000	0	0	0	1,400,000	0	0	0	0	0	0	0	0
Bush River Dredging and DMP Site	100,000	0	0	0	0	0	0	0	100,000	0	0	0	0
Canoe and Kayak Water Access	280,000	0	0	0	0	0	0	280,000	0	0	0	0	0
Cedar Lane Sports Complex Improvements**	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
East Baker Avenue Pedestrian Bridge	100,000	0	0	0	0	100,000	0	0	0	0	0	0	0
Eden Mill Park Rehabilitation	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Edgeley Grove Farm	40,000	0	0	0	0	0	0	40,000	0	0	0	0	0
Emily Bayliss Graham Park	200,000	0	0	0	0	200,000	0	0	0	0	0	0	0
Emmorton Recreation and Tennis Center Improvements	15,000	0	0	0	0	0	0	15,000	0	0	0	0	0
Enlarged Gymnasiums & Joint Facilities	600,000	0	0	0	600,000	0	0	0	0	0	0	0	0
Facility Renovations	225,000	0	0	0	0	0	0	125,000	0	0	0	0	100,000
Flying Point Park Improvements	179,000	0	0	0	0	0	0	80,000	99,000	0	0	0	0
Forest Hill Recreation Complex Improvements	200,000	0	0	0	0	0	0	0	0	0	0	0	200,000
Fox Meadows Park Improvements	100,000	0	0	0	0	100,000	0	0	0	0	0	0	0
Francis Silver Park Improvements	400,000	0	0	0	0	0	0	200,000	0	200,000	0	0	0
Gunpowder River Dredging	330,000	0	0	0	0	0	0	130,000	200,000	0	0	0	0
Gymnasium Floor Repair and Renovation	60,000	0	0	0	0	0	0	40,000	0	0	0	0	20,000
Indoor Recreation Facility-Forest Hill/Hickory	250,000	0	0	0	0	0	0	250,000	0	0	0	0	0
Joppatowne Area Dredging	100,000	0	0	0	0	0	0	50,000	50,000	0	0	0	0
Liriodendron Improvements	(135,000)	0	0	0	0	0	0	(135,000)	0	0	0	0	0
Natural Turf Improvements	150,000	0	0	0	0	0	0	100,000	0	0	0	0	50,000
Park Improvements	80,000	0	0	0	0	0	0	50,000	0	0	0	30,000	0
Parking Lot Paving	250,000	0	0	0	0	0	0	250,000	0	0	0	0	0
Parkland Acquisition	1,050,000	0	0	0	0	0	0	50,000	0	1,000,000	0	0	0
Playground Equipment	225,000	0	0	0	0	0	0	125,000	0	0	0	75,000	25,000
Swan Harbor Farm Improvements*	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Tennis/Multipurpose Court	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Trails and Linear Parks**	1,550,000	0	250,000	0	0	0	0	100,000	0	200,000	1,000,000	0	0
Tudor Hall Rehabilitation	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0

\*Swan Harbor Special Paygo

\*\*Paygo - Hotel Tax Revenue

TOTAL PARKS & RECREATION CAPITAL	8,319,000	0	425,000	0	2,000,000	400,000	0	2,075,000	449,000	1,400,000	1,000,000	105,000	465,000
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**FY 18 APPROVED CAPITAL BUDGET**

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
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**HIGHWAYS FUND**

**HIGHWAYS**

**BRIDGES**

Abingdon Road Bridge #169 over CSX	200,000	0	40,000	0	0	0	0	0	0	0	160,000	0	0
Bridge and Road Scour Repairs	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program	200,000	0	100,000	0	0	0	0	0	0	0	100,000	0	0
Bridge Painting	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Carrs Mill Road Bridge #216	180,000	0	30,000	0	0	0	0	0	0	0	150,000	0	0
Chestnut Hill Bridge #40	30,000	0	30,000	0	0	0	0	0	0	0	0	0	0
Culvert Rehabilitation	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Glenville Road Bridge #30	40,000	0	0	0	40,000	0	0	0	0	0	0	0	0
Green Road Bridges #119 and #122	75,000	0	0	0	75,000	0	0	0	0	0	0	0	0
Harford Creamery Road Bridge #104	(34,882)	(34,882)	0	0	0	0	0	0	0	0	0	0	0
Hess Road Bridge #82	(47,689)	(47,689)	0	0	0	0	0	0	0	0	0	0	0
Jericho Road Bridge	(11,271)	(11,271)	0	0	0	0	0	0	0	0	0	0	0
Johnson Mill Road Bridge #45	60,000	0	0	0	60,000	0	0	0	0	0	0	0	0
New Park Road Bridge #125	100,000	0	0	0	100,000	0	0	0	0	0	0	0	0
Robinson Mill Road Bridge #154	300,000	0	0	0	60,000	0	0	0	0	0	240,000	0	0
Snake Lane Bridge #31	900,000	0	0	0	900,000	0	0	0	0	0	0	0	0
Stafford Road Bridge #24	125,000	0	0	0	25,000	0	0	0	0	0	100,000	0	0
<b>SUB-TOTAL BRIDGES</b>	<b>2,516,158</b>	<b>(93,842)</b>	<b>600,000</b>	<b>0</b>	<b>1,260,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>	<b>0</b>	<b>0</b>

**ROADWAYS**

Chapel Road Improvements	225,000	0	225,000	0	0	0	0	0	0	0	0	0	0
Drainage Improvements	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Guardrails	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	450,000	0	450,000	0	0	0	0	0	0	0	0	0	0
Moores Mill Road	650,000	0	0	0	530,000	0	0	0	120,000	0	0	0	0
New Roads and Stormdrains	150,000	0	50,000	0	0	0	0	0	0	0	0	100,000	0
Stormdrain Rehabilitation	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Tollgate Road (West Ring Factory Rd to Plumtree Rd)	1,950,000	0	0	0	1,950,000	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL ROADWAYS</b>	<b>3,975,000</b>	<b>0</b>	<b>1,275,000</b>	<b>0</b>	<b>2,480,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<b>HIGHWAYS FUND</b>													
<b>HIGHWAYS</b>													
<b>RESURFACING</b>													
Resurfacing Roadways 18	5,705,017	93,842	5,611,175	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL RESURFACING	5,705,017	93,842	5,611,175	0	0	0	0	0	0	0	0	0	0
<b>OTHER</b>													
APG Gate Pilot	1,179,397	0	237,064	0	0	0	0	0	0	0	0	0	942,333
Fleet Maintenance Facility	155,000	0	0	0	155,000	0	0	0	0	0	0	0	0
Fleet Replacement	1,500,000	0	1,500,000	0	0	0	0	0	0	0	0	0	0
Refresh	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL OTHER	3,309,397	0	2,212,064	0	155,000	0	0	0	0	0	0	0	942,333
TOTAL HIGHWAYS FUND CAPITAL	15,505,572	0	9,698,239	0	3,895,000	0	0	0	120,000	0	750,000	100,000	942,333

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<b>WATER &amp; SEWER FUND</b>													
<b>WATER PROJECTS</b>													
Fleet Maintenance Facility	30,000	0	0	0	30,000	0	0	0	0	0	0	0	0
Fleet Replacement	800,000	0	800,000	0	0	0	0	0	0	0	0	0	0
Infrastructure Management System Enhancements	300,000	206,987	93,013	0	0	0	0	0	0	0	0	0	0
Perryman GAC Plant Improvements	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Perryman Wellfield Improvement	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Refresh	80,000	0	80,000	0	0	0	0	0	0	0	0	0	0
Replacement of Water Booster Station SCADA	1,200,000	0	0	0	1,200,000	0	0	0	0	0	0	0	0
Safeguarding Business Operations	362,000	0	362,000	0	0	0	0	0	0	0	0	0	0
Site Acquisition 17	(364,927)	0	0	(364,927)	0	0	0	0	0	0	0	0	0
Tollgate Road Water Main Parallel 15	(1,292,227)	0	0	(1,292,227)	0	0	0	0	0	0	0	0	0
US 40 and Rt. 159 SHA Water Relocation	1,200,000	0	0	0	1,200,000	0	0	0	0	0	0	0	0
Water and Sewer Authority Study Establishment	(706,987)	(706,987)	0	0	0	0	0	0	0	0	0	0	0
Water Zone Improvements	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL WATER PROJECTS	2,457,859	0	1,685,013	(1,657,154)	2,430,000	0	0	0	0	0	0	0	0
<b>SEWER PROJECTS</b>													
Bio Solids Facilities Enhancements	4,000,000	0	0	0	4,000,000	0	0	0	0	0	0	0	0
Brentwood Park Pumping Station Improvements	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Bynum Ridge Replacement Sewer	560,000	0	560,000	0	0	0	0	0	0	0	0	0	0
Delta WWTP Plant Upgrades	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Edgewood Interceptor Sewer Parallel	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Inventory Storage and Control Improvements	85,000	0	85,000	0	0	0	0	0	0	0	0	0	0
Lower Bynum Run Interceptor Phase 6&7	2,657,154	0	0	1,657,154	1,000,000	0	0	0	0	0	0	0	0
Pumping Station Improvements 17	65,000	0	65,000	0	0	0	0	0	0	0	0	0	0
Ring Factory PS and Fairwind Farms Abandonment	105,000	0	105,000	0	0	0	0	0	0	0	0	0	0
Sod Run WWTP Ultraviolet Disinfection Project	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Utility Protection/Restoration	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL SEWER PROJECTS	8,422,154	0	1,615,000	1,657,154	5,150,000	0	0	0	0	0	0	0	0
TOTAL WATER & SEWER FUND CAPITAL	10,880,013	0	3,300,013	0	7,580,000	0	0	0	0	0	0	0	0
TOTAL APPROVED CAPITAL BUDGET	125,799,500	0	23,128,587	0	57,435,000	2,100,000	8,000,000	10,375,000	19,298,580	1,400,000	2,150,000	205,000	1,707,333

## **FISCAL YEAR 2018 APPROVED CAPITAL BUDGET HIGHLIGHTS**

### **FISCAL YEAR 2018 CAPITAL BUDGET OVERVIEW**

The development of each year's budget is based on current and projected economic conditions, operational needs, the needs of the citizens, and legislated mandates; coupled with the strategic plans, fiscal policies, and management techniques adopted by the Administration.

We monitor revenue trends and re-evaluate our projections throughout the year. This analysis, along with recommendations from our Spending Affordability Committee, provides the Administration with the knowledge of how much total funding is available to allocate to the upcoming budget, as well as the source of the revenue, its trends, and whether the funds are "one-time" or "ongoing" in nature. The Administration is committed to spending only what we can afford. We will incur debt only when we are confident that sustainable resources will be available to retire that debt. We will appropriate "one-time" revenues for "one-time" expenses only; and we will not commit to future expenses without identifying revenues which will be available to support them.

The Approved Fiscal Year 2018 Capital Budget consists of 141 projects at a total cost of \$125,799,500. With the continued demands of a tough economy this budget supports our most pressing challenges including school modernization issues, public safety, sustaining a strong infrastructure, and the environment.

Harford County's financial operations are characterized by maintenance of sound reserves, a conservative approach to budget development, and timely revenue and spending adjustments. Fiscal policies governing multi-year planning, reserve retention and use of surplus funds for capital and other one-time spending aid in steady operating performance. In February 2017, Moody's Investor Service, Fitch Ratings and Standard and Poor's all reaffirmed Harford County's AAA bond rating.

The County imposes a Recordation Tax on home sales and refinances, and a Transfer Tax on the sale of new or existing homes. Each of these generate revenues that are in part restricted to school construction and/or school debt service. A description of Recordation and Transfer Tax history and restrictions can be found later on in this section of the capital budget book.

### **FISCAL YEAR 2018 EXPENDITURES**

The following is a brief description of capital projects approved for Fiscal Year 2018:

#### **General Capital Projects**

The County Capital Budget proposes 15 General projects for FY 2018, totaling \$27,424,675. Projects in the General category for FY 2018 include debt service for the Board of Education, a project to fund repairs and renovations to County buildings and structures; necessary fleet replacement; repairs and renovations to the County Courthouse building; and a project to replace the roof on the Edgewood Library.

There are two Information and Communication Technology related projects that include a refresh program for Countywide computers and integration/modernization of enterprise software applications and architecture across the County.

## **FISCAL YEAR 2018 APPROVED CAPITAL BUDGET HIGHLIGHTS**

### **Stormwater Management**

The FY 2018 Stormwater Management Capital budget consists of 15 projects and totals \$10,700,000. Under the National Pollutant Discharge Elimination System (NPDES) Permit, the County must assess potential watershed projects and then restore and improve watersheds to reduce pollutants and improve water quality. Funds will provide for stormwater enhancement, maintenance and repair of dams, as well as stream and watershed restorations.

### **Public Safety**

Harford County continues to ensure that public safety providers have the necessary tools and technology to meet the County's growing demand for emergency services. The FY 2018 Capital Budget includes funding for the purchase and installation of bi-directional amplifiers (BDA's) in County schools, therefore greatly improving radio coverage for public safety; for the replacement of Self Contained Breathing Apparatus (SCBA's) for first responders; and for the Volunteer Fire Companies to repair/renovate their existing stations to include systemic repairs, roofs, paving, etc.

### **Board of Education Projects**

Funding for the Board of Education includes a major HVAC Systemic Renovation and Open Space renovation at the Bel Air Elementary School. Funding is also included for the replacement of Havre de Grace Middle/High School and an Aquaculture Lab and Greenhouse at the North Harford High School. Bus replacement, swimming pool renovations and technology infrastructure are also included in the funding for Board of Education capital projects.

### **Solid Waste Services Projects**

The Solid Waste services capital budget has appropriated funding for the decommission and demolition of the Harford Waste to Energy facility, following the expiration of the operating contract in 2016; as well as groundwater treatment plant upgrades at the Scarboro Landfill.

### **Parks and Recreation Projects**

Parks and Recreation continues to provide citizens with a diversified menu of recreational opportunities as well as the acquisition and protection of open space. To accomplish this for FY 2018, Harford County has appropriated funds for 31 projects totaling \$8,319,000. These projects include the development/improvements of many parks and complexes, facility renovations, dredging, parkland acquisition, natural turf improvements, and playground equipment replacements.

## **FISCAL YEAR 2018 APPROVED CAPITAL BUDGET HIGHLIGHTS**

### **Highways Projects**

Funding for Highways projects is derived from dedicated revenues, developer contributions, and Federal grants. The majority of revenues available to the Highways Fund are generated from the County's Property Tax differential (\$0.1483 per \$100 of assessed property value outside the three municipalities).

There are 33 projects funded for the Highways Capital budget, totaling \$15,505,572. The Highways budget is divided into four sections: Bridges, Roadways, Resurfacing, and "Other". In addition to the 1,057 miles of roadways and 223 County bridges, Harford County Highways projects must also provide for culvert rehabilitations, guardrails, sidewalks and handicapped ramps, stormdrain rehabilitation, traffic signals and road safety improvements. For FY 2018 there is also funding for technology related projects such as modernizing and integrating software applications, fleet replacement, and infrastructure projects at various Highways facilities that will increase operational efficiency.

### **Water and Sewer Projects**

The Water and Sewer Capital Budget proposes funding for 24 capital projects in FY 2018 totaling \$10,880,013. These projects continue to provide improvements and future growth to Harford County's existing infrastructure. Funding proposed for FY 2018 provides for bio-solids facility enhancements, replacement of essential vehicles and equipment, replacement of water booster station SCADA, inventory storage and control improvements and upgrades to the Perryman wellfields.

As seen in the Highways and General projects, Harford County has also provided funding for fleet replacement and information technology projects within the Water and Sewer Capital budget. These projects are vital to the efficiency of Water and Sewer operations.

**HARFORD COUNTY, MARYLAND**  
**STATEMENTS OF ESTIMATED UNAPPROPRIATED FUND BALANCES**  
**CAPITAL FUND**

	<u>GENERAL</u>	<u>HIGHWAYS</u>	<u>PARKS &amp; REC.</u>	<u>TOTAL</u>
<b>TOTAL FUND BALANCE AT JUNE 30, 2016</b>	<u>5,787,725</u>	<u>1,448,635</u>	<u>663,216</u>	<u>7,899,576</u>
<b>Less: Restricted Fund Balance</b>				
Recordation and Transfer Tax	3,885,170	0	663,216	4,548,386
Bond Proceeds	97,829	0	0	97,829
<b>Less: Unrestricted Fund Balance</b>				
Appropriation of Fund Balance	1,804,726	224,015	0	2,028,741
Encumbrances	<u>0</u>	<u>1,224,620</u>	<u>0</u>	<u>1,224,620</u>
	<u>5,787,725</u>	<u>1,448,635</u>	<u>663,216</u>	<u>7,899,576</u>
<b>Fund Balance Available for Appropriation at June 30, 2016</b>				
Undesignated Fund Balance	0	0	0	0
Estimated Revenues - Open Project	703,295,297	98,263,754	71,531,020	873,090,071
Estimated Expenditures - Open Project	<u>(703,282,446)</u>	<u>(98,257,450)</u>	<u>(71,277,804)</u>	<u>(872,817,700)</u>
<b>Fund Balance Available for Appropriation at June 30, 2017</b>				
Undesignated Fund Balance	<u>12,851</u>	<u>6,304</u>	<u>253,216</u>	<u>272,371</u>
<b>Fund Balance Available for Appropriation at June 30, 2017</b>				
Undesignated Fund Balance	12,851	6,304	253,216	272,371
Estimated Revenues Fiscal Year 2018				
Paygo	9,705,335	9,698,239	425,000	19,828,574
Recordation Tax	8,300,000	0	2,075,000	10,375,000
Transfer Tax	8,000,000	0	0	8,000,000
Reappropriated from Prior Projects	1,700,000	0	400,000	2,100,000
Future Bonds	43,960,000	3,895,000	2,000,000	49,855,000
Federal Grant	400,000	750,000	1,000,000	2,150,000
State Bonds	14,579,580	0	0	14,579,580
State Grants	4,150,000	120,000	1,849,000	6,119,000
Developer Contribution	0	100,000	105,000	205,000
Other	300,000	942,333	465,000	1,707,333
Total Estimated Revenues Fiscal Year 2018	<u>91,094,915</u>	<u>15,505,572</u>	<u>8,319,000</u>	<u>114,919,487</u>
Estimated Expenditures Fiscal Year 2018	<u>(91,094,915)</u>	<u>(15,505,572)</u>	<u>(8,319,000)</u>	<u>(114,919,487)</u>
<b>Fund Balance Available for Appropriation at June 30, 2018</b>				
Undesignated Fund Balance	<u>12,851</u>	<u>6,304</u>	<u>253,216</u>	<u>272,371</u>

<p style="text-align: center;"><b>HARFORD COUNTY, MARYLAND</b>  <b>STATEMENT OF ESTIMATED UNRESTRICTED NET ASSETS</b>  <b>WATER &amp; SEWER CAPITAL FUND</b></p>
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	<u>WATER &amp; SEWER</u>
<b>Unrestricted Net Assets June 30, 2017</b>	0
Estimated Revenues - Open Projects	242,398,731
Estimated Expenditures - Open Projects	<u>(242,398,731)</u>
<b>Estimated Unrestricted Net Assets June 30, 2018</b>	<u>0</u>
 <b>Estimated Revenues Fiscal Year 2018</b>	
Paygo	3,300,013
Future Bonds	<u>7,580,000</u>
<b>Total Estimated Revenues Fiscal Year 2018</b>	10,880,013
<b>Estimated Expenditures Fiscal Year 2018</b>	<u>(10,880,013)</u>
<b>Estimated Unrestricted Net Assets June 30, 2018</b>	<u>0</u>

<b>DEDICATED RECORDATION TAX</b> <b>STATEMENT OF ESTIMATED UNAPPROPRIATED FUND BALANCE</b>
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	BOARD OF EDUCATION	PARKS & RECREATION	STORMWATER MANAGEMENT DEBT SERVICE
<b>UNDESIGNATED RECORDATION TAX FUND BALANCE</b>			
<b>AVAILABLE FOR APPROPRIATION AT JUNE 30, 2016</b>	2,792,451	663,216	2,295,295
Plus Fiscal Year 2017 Estimated Recordation Tax Revenues	8,300,000	2,075,000	2,075,000
Plus Fiscal Year 2017 Estimated Other Revenue	0	0	12,500
Less Fiscal Year 2017 Estimated Expenditures	<u>(9,800,000)</u>	<u>(2,065,000)</u>	<u>(296,500)</u>
 <b>ESTIMATED RECORDATION TAX FUND BALANCE</b>			
<b>AVAILABLE FOR APPROPRIATION AT JUNE 30, 2017</b>	1,292,451	673,216	4,086,295
Plus Fiscal Year 2018 Estimated Revenues:			
Plus Fiscal Year 2018 Estimated Recordation Tax Revenues	8,300,000	2,075,000	2,075,000
Plus Fiscal Year 2018 Estimated Recordation Tax Revenues	0	0	12,500
Less Fiscal Year 2018 Estimated Expenditures	<u>(9,500,000)</u>	<u>(2,475,000)</u>	<u>(263,000)</u>
 <b>ESTIMATED RECORDATION TAX FUND BALANCE</b>			
<b>AVAILABLE FOR APPROPRIATION AT JUNE 30, 2018</b>	<u>92,451</u>	<u>273,216</u>	<u>5,910,795</u>

<b>DEDICATED TRANSFER TAX</b> <b>STATEMENT OF ESTIMATED UNAPPROPRIATED FUND BALANCE</b>
--

	AGRICULTURAL PRESERVATION	BOARD OF EDUCATION
<b>TOTAL FUND BALANCE AT JUNE 30, 2016</b>	56,293,257	1,092,718
Plus Fiscal Year 2017 Estimated Revenues:		
Transfer Tax		
2017 Transfer Tax receipts	7,750,000	7,750,000
Other Revenues	4,810,000	0
Less Fiscal Year 2017 Estimated Expenditures	(13,087,000)	(8,000,000)
Less: Committed Fund Balance Designated for Other Purposes	<u>(34,818,964)</u>	<u>0</u>
<b>UNDESIGNATED TRANSFER TAX FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2017</b>	20,947,293	842,718
Plus Fiscal Year 2018 Estimated Revenues:		
Transfer Tax		
2018 Transfer Tax receipts	8,000,000	8,000,000
Other Revenue	8,400,000	0
Less Fiscal Year 2018 Estimated Expenditures	<u>(27,013,000)</u>	<u>(8,500,000)</u>
<b>ESTIMATED TRANSFER TAX FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2018</b>	<u><u>10,334,293</u></u>	<u><u>342,718</u></u>

<p style="text-align: center;"><b>DEDICATED IMPACT FEE</b> <b>STATEMENT OF ESTIMATED UNAPPROPRIATED FUND BALANCE</b></p>
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**BOARD OF  
EDUCATION**

**UNDESIGNATED IMPACT FEE FUND BALANCE AVAILABLE FOR  
APPROPRIATION AT JUNE 30, 2016**

0

Plus Fiscal Year 2017 Estimated Impact Fee Revenues

2,500,000

Less Fiscal Year 2017 Estimated Expenditures

(2,500,000)

**ESTIMATE IMPACT FEE FUND BALANCE AVAILABLE FOR  
APPROPRIATION AT JUNE 30, 2017**

0

Plus Fiscal Year 2018 Estimated Revenues:

Fiscal Year 2018 Impact Fee Revenues

2,500,000

Less Fiscal Year 2018 Estimated Expenditures

(2,500,000)

**ESTIMATED IMPACT FEE FUND BALANCE AVAILABLE FOR  
APPROPRIATION AT JUNE 30, 2018**

0

## DEDICATED CAPITAL FUNDING

Harford County has three revenue streams that are dedicated to funding school capacity and modernization projects and/or the debt service incurred for them, park and recreation facilities, and the preservation of agricultural farm land. The following pages provide an explanation of their origin, the taxes, and the details of which ones have been appropriated for FY 16.

### **RECORDATION TAX**

The Annotated Code of Maryland, 1957, as amended, Article 81 Section 277 provides counties with the authority to establish a recordation tax "upon every instrument of writing conveying title to real or personal property, offered for record and recorded in this State with the clerks of the circuit courts of the respective counties, . . . The term 'instruments of writing' shall include deeds, mortgages, chattel mortgages, bills of sale, leases, deeds of trust, contracts and agreements, . . ."

The Harford County Council established a Recordation Tax, via Resolution No. 10-79, effective July 1, 1979, on instruments recorded among the Land Records of Harford County which convey title to real property and on instruments securing a debt.

The Annotated Code of Maryland Section 12-113 requires the proceeds from Harford County's Recordation Tax be:

- I deposited in a special capital improvement fund for:
  - o payment of the principal and interest on school construction debt
  - o major improvements and capital improvements to existing school facilities
  - o new school construction
  - o portable classrooms
- II deposited in a fund for land and recreation open spaces:
  - o to purchase park lands and develop park and recreation facilities as separate units or as a part of a public school facility
  - o to pay loans made for those purchases
  - o to match any funds provided for those purchases
- III dedicated (per Resolution No. 005-15) at a rate of \$.55 to fund the implementation of local watershed protection and restoration projects throughout Harford County.

The Recordation tax rate is \$3.30 per \$500 of the transaction value and is divided as follows:

Public School Debt Service and/or Construction	\$2.20	67.0%
Program Open Space or Parks and Recreation Capital Projects	0.55	16.5%
Stormwater Management	0.55	16.5%
	\$3.30	100.0%

## DEDICATED CAPITAL FUNDING

For FY 18 Recordation Tax revenues are appropriated as follows:

**Harford County's FY 18 Operating Budget** **\$11,575,000**

**From FY 18 Estimated Recordation Tax Receipts:** **\$10,375,000**

**Board of Education Debt Service** **\$8,300,000**

Principal Payments	\$8,069,919	
Interest Payments	230,081	
	\$8,300,000	

**Stormwater Management Debt Service** **\$2,075,000**

**From Prior Year Recordation Tax Receipts** **\$1,200,000**

**Board of Education Debt Service** **\$1,200,000**

Principal Payments	\$799,086	
Interest Payments	400,914	
	\$1,200,000	

**Harford County's FY 18 Capital Budget** **\$2,075,000**

**Parks & Recreation Projects** **\$2,075,000**

ADA Improvements	50,000	Indoor Rec Facility	250,000
Anita C. Leight Improvements	25,000	Joppatowne Area Dredging	50,000
Canoe and Kayak Water Access	280,000	Liriodendron Improvements	(135,000)
Eden Mill Park Rehabilitation	100,000	Natural Turf Improvements	100,000
Edgeley Grove Farm	40,000	Park Improvements	50,000
Emmorton Recreation & Tennis Center	15,000	Parking Lot Paving	250,000
Facility Renovations	125,000	Parkland Acquisition	50,000
Flying Point Park Improvements	80,000	Playground Equipment	125,000
Francis Silver Park Improvements	200,000	Tennis/Multipurpose Court	100,000
Gunpowder River Dredging	130,000	Trails and Linear Parks	100,000
Gymnasium Floor Repair	40,000	Tudor Hall Rehabilitation	50,000

**Total Recordation Tax revenues appropriated for Fiscal Year 2018** **\$13,650,000**

## DEDICATED CAPITAL FUNDING

### TRANSFER TAX

Harford County's Transfer Tax was instituted in response to a recommendation from the 1991 Blue Ribbon Committee on School Construction. As a result the County Executive requested the local delegation to the Maryland General Assembly introduce legislation in the 1992 General Session to allow the County the ability to establish by local law a Transfer Tax.

The Maryland General Assembly enacted House Bill No. 1481, effective July 1, 1992, authorizing the Harford County Council to impose a Transfer Tax. Subsequently, the County Council enacted Bill No. 93-3 to add new Article IV, Transfer Tax to Chapter 123, Finance and Taxation, of the Harford County Code which imposes a 1% Transfer Tax on any instruments of writing that convey title to, or a leasehold interest in, real property, effective July 1, 1993.

The Transfer Tax rate is 1% of the consideration payable and the proceeds are to be distributed as follows:

Agricultural Land Preservation Program	50.0%
Public School Construction Program	50.0%
	100.0%

**For FY 18 Transfer Tax revenues are appropriated as follows:**

### Harford County's FY 18 Operating Budget

**From FY 18 Estimated Transfer Tax Receipts:** **\$16,000,000**

**Agricultural Preservation Fund** **\$8,000,000**

**Board of Education Debt Service** **\$8,000,000**

Principal Payments	\$6,058,257
Interest Payments	1,941,743
	\$8,000,000

**From Prior Year Transfer Tax Receipts** **\$500,000**

**Board of Education Debt Service**

Principal Payments	\$0
Interest Payments	500,000
	\$500,000

## DEDICATED CAPITAL FUNDING

### **PUBLIC SCHOOL DEVELOPMENT IMPACT FEE**

The Maryland General Assembly adopted House Bill 965 (Article 24, Subtitle 10A, Harford County School Construction Financing, Section 9-10A-01) in 2004. The bill states, "the County Council of Harford County, by ordinance, may fix, impose, and provide for the collection of a development impact fee not to exceed \$10,000 for new construction or development." The revenue from the development impact fee may only be used for:

- (1) School site acquisition;
- (2) School construction;
- (3) School renovation;
- (4) School debt reduction; or
- (5) School capital expenses."

On June 10, 2005, The County Council of Harford County, Maryland enacted, as amended, Bill No. 05-21, that added Article VI, Public School Development Impact Fee, to Chapter 123, Finance and Taxation, of the Harford County Code. This legislation assures that new development contributes its fair share towards the costs of public schools reasonably necessitated by such new development, and to ensure that new development is reasonably benefited by the construction of new public schools built in whole or in part with the proceeds of development impact fees. On December 1, 2009, the County Council enacted Bill No. 09-37 which lowered the impact fee charge as shown in the following table. The purpose of the roll-back in the fee structure was to provide an economic stimulus to the local housing market during the current economic recession.

Type of Residential Development	Fiscal Year		
	2010	2011	2012
Single Family Detached	\$8,269 / \$6,000	\$6,000	\$6,000
Townhouse / Duplex	5,720 / 4,200	4,200	4,200
All Other Residential (including Mobile Homes)	1,637 / 1,200	1,200	1,200

Bill No. 05-21 provided for exemptions from the development impact fee for residential housing for the elderly and continuing care retirement communities.

Development Impact Fee revenues for the last five completed fiscal years and the projected amount for Fiscal Year 2017 are presented in the following table:

<u>Fiscal Year</u>	<u>Public Schools</u>
2012	3,123,373
2013	2,027,400
2014	2,612,400
2015	2,560,800
2016	2,444,400
2017	2,500,000

**HARFORD COUNTY, MARYLAND  
BOARD OF EDUCATION  
DEDICATED RECORDATION TAX / DEDICATED TRANSFER TAX / IMPACT FEE / GENERAL FUNDS  
FY 18 STATEMENT OF EXPENDITURES FOR SCHOOL DEBT SERVICE AND PAYGO CAPITAL PROJECTS**

<b>FY 18 RECORDATION TAX AVAILABLE</b>	8,300,000
<b>PRIOR YEAR RECORDATION TAX</b>	1,200,000
<b>FY 18 TRANSFER TAX AVAILABLE</b>	8,000,000
<b>PRIOR YEAR TRANSFER TAX</b>	500,000
<b>IMPACT FEES APPROPRIATED</b>	2,500,000
<b>GENERAL FUNDS APPROPRIATED</b>	11,326,225
<b>TOTAL FUNDS AVAILABLE FOR SCHOOL DEBT SERVICE</b>	<b><u>31,826,225</u></b>

**FUNDS APPROPRIATED FOR SCHOOL DEBT SERVICE:**

	PRINCIPAL						TOTAL
	FY 18 RECORDATION	PRIOR YEAR RECORDATION	FY 18 TRANSFER	PRIOR YEAR TRANSFER	IMPACT FEE	FY 18 GENERAL FUNDS	
School Bonds of 2007	3,595,044						3,595,044
Refunding Bonds of 2009	450,875						450,875
School Bonds of 2009	4,024,000						4,024,000
Refunding Bonds of 2010		799,086	306,957				1,106,043
School Bonds of 2010 Series A			5,751,300				5,751,300
School Bonds of 2010 Series B							0
Refunding Bonds of 2012					296,227	198,083	494,310
School Bonds of 2012						720,460	720,460
School Bonds of 2013						507,992	507,992
Refunding Bonds of 2013						1,207,096	1,207,096
School Bonds of 2014						193,059	193,059
School Bonds of 2015						590,892	590,892
Refunding Bonds of 2015						0	0
School Bonds of 2016						517,307	517,307
School Bonds of 2017						1,354,000	1,354,000
<b>TOTAL</b>	<b>8,069,919</b>	<b>799,086</b>	<b>6,058,257</b>	<b>0</b>	<b>296,227</b>	<b>5,288,889</b>	<b>20,512,378</b>

	INTEREST						TOTAL
	FY 18 RECORDATION	PRIOR YEAR RECORDATION	FY 18 TRANSFER	PRIOR YEAR TRANSFER	IMPACT FEE	FY 18 GENERAL FUNDS	
School Bonds of 2007	89,876						89,876
Refunding Bonds of 2009	34,765						34,765
School Bonds of 2009	105,440	400,914					506,354
Refunding Bonds of 2010			220,126				220,126
School Bonds of 2010 Series A			1,021,613				1,021,613
School Bonds of 2010 Series B			700,004	500,000	2,203,773	300,000	3,703,777
Refunding Bonds of 2012						81,957	81,957
School Bonds of 2012						361,771	361,771
School Bonds of 2013						305,329	305,329
Refunding Bonds of 2013						1,558,303	1,558,303
School Bonds of 2014						127,327	127,327
School Bonds of 2015						401,806	401,806
Refunding Bonds of 2015						1,955,995	1,955,995
School Bonds of 2016						351,769	351,769
School Bonds of 2017						593,079	593,079
<b>TOTAL</b>	<b>230,081</b>	<b>400,914</b>	<b>1,941,743</b>	<b>500,000</b>	<b>2,203,773</b>	<b>6,037,336</b>	<b>11,313,847</b>

**HARFORD COUNTY, MARYLAND**  
**BOARD OF EDUCATION DEBT SERVICE AS A PERCENTAGE OF TOTAL COUNTY DEBT PAYMENTS**

	Total General Fund Debt Service	BOE % of Total County	Board of Education	Board of Education Debt Payment Funding Sources					
				Recordation Tax	Prior Year Recordation Tax	Transfer Tax	Prior Year Transfer Tax	Impact Fee	General Funds
Principal									
661110 Principal	34,356,079	59.71%	20,512,378	8,069,919	799,086	6,058,257	0	296,227	5,288,889
	34,356,079	59.71%	20,512,378	8,069,919	799,086	6,058,257	0	296,227	5,288,889
Interest									
662110 Interest	18,514,596	61.11%	11,313,847	230,081	400,914	1,941,743	500,000	2,203,773	6,037,336
	18,514,596	61.11%	11,313,847	230,081	400,914	1,941,743	500,000	2,203,773	6,037,336
Cost of Issuance									
664110 Service Costs	640,000	0.00%	0	0	0	0	0	0	0
Total General Fund Debt Service	53,510,675	59.48%	31,826,225	8,300,000	1,200,000	8,000,000	500,000	2,500,000	11,326,225

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023

GENERAL FUND

GENERAL CAPITAL

**FY 18 Funded Projects:**

Bel Air Parking Garage	593,838	730,000	(136,162)	0	0	0	0	0
Board of Education Debt Service 18	108,000,000	0	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000
Countywide Facilities Master Plan Study	1,915,575	1,950,000	(34,425)	0	0	0	0	0
Courthouse Building Repairs	7,034,900	5,034,900	2,000,000	0	0	0	0	0
Edgewood Library Roof Replacement	221,400	0	221,400	0	0	0	0	0
Facilities Repair Program	25,062,301	19,812,301	3,250,000	500,000	500,000	500,000	500,000	0
Fleet Maintenance Facility	1,632,000	150,000	117,000	1,365,000	0	0	0	0
Fleet Replacement	19,040,000	7,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Harford Cable Network High Definition Upgrade	500,000	0	250,000	250,000	0	0	0	0
Harford County Agricultural Research & Exposition Ctr	650,000	300,000	350,000	0	0	0	0	0
Hosanna School	221,862	240,000	(18,138)	0	0	0	0	0
Infrastructure Efficiency Capital Investment Projects	1,130,000	1,005,000	25,000	25,000	25,000	25,000	25,000	0
Refresh Program	4,435,000	2,635,000	300,000	300,000	300,000	300,000	300,000	300,000
Safeguarding Business Operations	16,575,400	14,075,400	1,000,000	500,000	500,000	500,000	0	0
Underground & Aboveground Storage Tank Management	605,000	505,000	100,000	0	0	0	0	0

**Outyear Projects:**

Site Acquisition	26,257,761	23,757,761	0	500,000	500,000	500,000	500,000	500,000
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**Open Projects:**

Aberdeen Library Roof and Windows	388,000	388,000	0	0	0	0	0	0
Automated External Defibrillators (AEDs)	20,000	20,000	0	0	0	0	0	0
Board of Education Debt Service 15	14,260,492	14,260,492	0	0	0	0	0	0
Board of Education Debt Service 16	16,600,000	16,600,000	0	0	0	0	0	0
Board of Education Debt Service 17	17,800,000	17,800,000	0	0	0	0	0	0
Citizens Care Center	2,000,000	2,000,000	0	0	0	0	0	0
45 South Main Street - Add Emergency Power	600,000	600,000	0	0	0	0	0	0
GIS Update	250,000	250,000	0	0	0	0	0	0
Harford County Metro Area Network (HMAN)	16,200,000	16,200,000	0	0	0	0	0	0
Havre de Grace Opera House Renovations	750,000	750,000	0	0	0	0	0	0
Humane Society	7,050,000	7,050,000	0	0	0	0	0	0

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				
					FY 2020	FY 2021	FY 2022	FY 2023	
<b>GENERAL FUND</b>									
<b>GENERAL CAPITAL</b>									
MD 924 Small Area Corridor Plan	300,000	300,000	0	0	0	0	0	0	0
Reforestation and Buffer Mitigation - Critical Area	100,000	100,000	0	0	0	0	0	0	0
Reforestation and Landscaping	680,000	680,000	0	0	0	0	0	0	0
Repairs to 45 South Main Street Building	100,000	100,000	0	0	0	0	0	0	0
Treasury Computer Enhancements	175,000	175,000	0	0	0	0	0	0	0
Voting Equipment	200,000	200,000	0	0	0	0	0	0	0
<b>General Capital Total by Project</b>	<b>291,348,529</b>	<b>154,708,854</b>	<b>27,424,675</b>	<b>23,440,000</b>	<b>21,825,000</b>	<b>21,825,000</b>	<b>21,325,000</b>	<b>20,800,000</b>	
Paygo	47,777,047	30,930,072	3,546,975	3,025,000	2,825,000	2,825,000	2,325,000	2,300,000	
Reappropriated	12,056,033	10,356,033	1,700,000	0	0	0	0	0	
Future Bonds	11,332,000	0	5,467,000	2,365,000	1,000,000	1,000,000	1,000,000	500,000	
Prior Bonds	63,525,157	63,525,157	0	0	0	0	0	0	
Transfer Tax	72,500,000	19,500,000	8,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	
Recordation Tax	75,800,000	22,500,000	8,300,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	
State	1,832,279	1,721,579	110,700	0	0	0	0	0	
Federal	2,365,692	2,115,692	250,000	0	0	0	0	0	
Developer	772,421	772,421	0	0	0	0	0	0	
Other	1,827,900	1,727,900	50,000	50,000	0	0	0	0	
Lease Purchase	1,560,000	1,560,000	0	0	0	0	0	0	
<b>General Capital Total by Fund</b>	<b>291,348,529</b>	<b>154,708,854</b>	<b>27,424,675</b>	<b>23,440,000</b>	<b>21,825,000</b>	<b>21,825,000</b>	<b>21,325,000</b>	<b>20,800,000</b>	

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<u>GENERAL FUND</u>													
<u>GENERAL CAPITAL</u>													
Bel Air Parking Garage	(136,162)	(136,162)	0	0	0	0	0	0	0	0	0	0	0
Board of Education Debt Service 18	18,000,000	0	0	0	0	1,700,000	8,000,000	8,300,000	0	0	0	0	0
Countywide Facilities Master Plan Study	(34,425)	(34,425)	0	0	0	0	0	0	0	0	0	0	0
Courthouse Building Repairs	2,000,000	0	0	0	2,000,000	0	0	0	0	0	0	0	0
Edgewood Library Roof Replacement	221,400	0	110,700	0	0	0	0	0	110,700	0	0	0	0
Facilities Repair Program	3,250,000	0	0	0	3,000,000	0	0	0	0	0	250,000	0	0
Fleet Maintenance Facility	117,000	0	0	0	117,000	0	0	0	0	0	0	0	0
Fleet Replacement	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	0	0
Harford Cable Network High-Definition Upgrade	250,000	0	200,000	0	0	0	0	0	0	0	0	0	50,000
Harford County Agricultural Research & Exposition Center	350,000	0	0	0	350,000	0	0	0	0	0	0	0	0
Hosanna School	(18,138)	(18,138)	0	0	0	0	0	0	0	0	0	0	0
Infrastructure Efficiency Capital Investment Projects	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Refresh	300,000	188,725	111,275	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	1,000,000	0	1,000,000	0	0	0	0	0	0	0	0	0	0
Underground and Aboveground Storage Tank Management	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL GENERAL</b>	<b>27,424,675</b>	<b>0</b>	<b>3,546,975</b>	<b>0</b>	<b>5,467,000</b>	<b>1,700,000</b>	<b>8,000,000</b>	<b>8,300,000</b>	<b>110,700</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>50,000</b>

**PROJECT: Bel Air Parking Garage**

**COUNCIL DISTRICT: C**

**LOCATION: Bel Air**

**GENERAL**

**A134101**

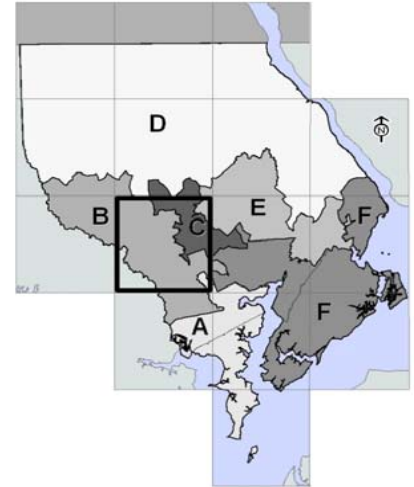
**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will fund significant repairs to the Bel Air Parking garage following a structural survey completed by the Town of Bel Air.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	730,000	(136,162)	593,838						593,838
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	730,000	(136,162)	593,838	0	0	0	0	0	593,838

**FUNDING SCHEDULE**

R8750 Paygo	696,556		696,556						696,556
R6999 Other Town of Bel Air	28,400		28,400						28,400
R8089 Reappropriated Paygo	5,044		5,044						5,044
R8750 Prior Paygo		(136,162)	(136,162)						(136,162)
			0						0
			0						0
Total Funds	730,000	(136,162)	593,838	0	0	0	0	0	593,838

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/16:**

Expended	565,438
Encumbered	0
Total	<u>\$565,438</u>

**PROJECT: Board of Education Debt Service 18****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the collection of Recordation Tax and Transfer Tax in the Capital Projects Fund in accordance with State law. Recordation and Transfer Taxes may be used for the payment of Debt Service on education capital projects or as pay-as-you-go funding for education projects. In the past, the County has recorded the collection of Recordation and Transfer Taxes in an escrow account and then transferred the money to the General Fund to pay debt service. This project will provide a more informative means to audit presentation.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be ongoing to pay debt service.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	108,000,000
<b>Total Cost</b>	<b>0</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>108,000,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax		8,300,000	8,300,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	53,300,000
R1525 Transfer Tax		8,000,000	8,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	53,000,000
R8027 Reappropriated Rec. Tax		1,200,000	1,200,000						1,200,000
R8026 Reappropriated Transfer Tax		500,000	500,000						500,000
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>18,000,000</b>	<b>108,000,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Countywide Facilities Master Plan Study****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A134103****PROJECT DESCRIPTION / JUSTIFICATION:**

This study will involve the use of an outside consulting firm to evaluate the current condition and future needs of the facilities of Harford County Government, Harford County Public School System, Harford County Public Libraries, State's Attorney's Office, Judicial System, Sheriff's Office, Fire and EMS System, Health Department and the Harford Community College. This firm will produce a report which provides recommendations and a list of priorities that should be addressed as funding becomes available.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Remaining funds from this project will be reallocated to the Refresh Program capital project in the amount of \$34,425. This project will then be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,950,000	(34,425)	1,915,575						1,915,575
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,950,000</b>	<b>(34,425)</b>	<b>1,915,575</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,915,575</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,950,000		1,950,000						1,950,000
R8750 Prior Paygo		(34,425)	(34,425)						(34,425)
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,950,000</b>	<b>(34,425)</b>	<b>1,915,575</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,915,575</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	1,915,575
Encumbered	0
<b>Total</b>	<b><u>\$1,915,575</u></b>

**PROJECT: Courthouse Building Repairs****GENERAL****COUNCIL DISTRICT: C****LOCATION: Bel Air****A094102****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funds for repairs and renovations to the Courthouse building. A study was performed by ENTECH and the following projects were identified; Replacement of the HVAC system, window restoration of the historic courthouse, masonry restoration of the historic courthouse, roof repairs to the historic courthouse and replacement of the two main elevators.

**PROJECT SCHEDULE:**

FY 17/18 - Masonry restoration, window restoration & repair, and roof replacement

FY 17/18 - New judge's chamber, entry renovation

FY 18/20 - Fire alarm system upgrade, fire pump assembly refurbish

**PROJECT STATUS:**

HVAC project completed, new emergency generator installed, elevator replacement project to be completed spring FY17

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	679,000	210,000	889,000						889,000
Land Acquisition			0						0
Construction	4,150,900	1,655,000	5,805,900						5,805,900
Inspection Fees	205,000	135,000	340,000						340,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,034,900</b>	<b>2,000,000</b>	<b>7,034,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,034,900</b>

**FUNDING SCHEDULE**

R3150 Federal - ARRA Funds	134,900		134,900						134,900
R8750 Paygo	100,000		100,000						100,000
R7000 Future Bonds		2,000,000	2,000,000						2,000,000
R7100 Prior Bonds	4,800,000		4,800,000						4,800,000
			0						0
			0						0
<b>Total Funds</b>	<b>5,034,900</b>	<b>2,000,000</b>	<b>7,034,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,034,900</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$457,677

Annual Operating/Maintenance Cost: < \$4,000

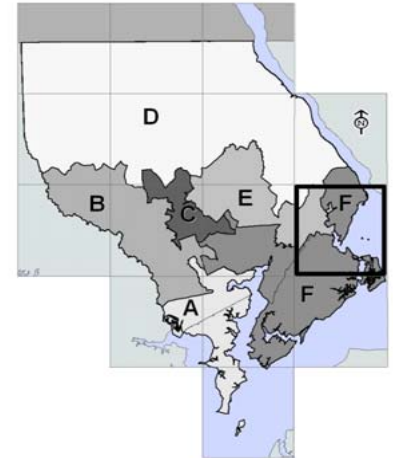
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,378,982
Encumbered	792,020
<b>Total</b>	<b>\$3,171,002</b>

**PROJECT: Edgewood Library Roof Replacement****GENERAL****COUNCIL DISTRICT: A****LOCATION: Edgewood****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding to replace the roof on the Edgewood Library.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		221,400	221,400						221,400
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>221,400</b>	<b>221,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>221,400</b>

**FUNDING SCHEDULE**

R8750 Paygo		110,700	110,700						110,700
R7920 State Bonds		110,700	110,700						110,700
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>221,400</b>	<b>221,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>221,400</b>

**OPERATING BUDGET IMPACT:**

Financial Activity as of

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

Expended

Encumbered

Total

**PROJECT: Facilities Repair Program****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****GENERAL****A034102****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding for the replacement, renovation and repairs of county building systems (site, roofing, structural, exterior, interior, mechanical, plumbing, electrical, fire/life safety, window replacement, and conveyances). FY 18 appropriation authority for \$250,000 in CDBG funds for the Riverside County complex.

**PROJECT SCHEDULE:**

FY18 - Design and major renovation of 45 S. Main St - HCSO (roof, mechanical, plumbing, electrical, fire/life safety systems), boiler/generator replacement at 220 South Main Street, Northern Precinct roof/generator replacement and security system upgrade, 18 Office Street roof replacement and funds for Riverside County complex

**PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,611,933	315,000	1,926,933	40,000	40,000	40,000	40,000		2,086,933
Land Acquisition			0						0
Construction	17,775,916	2,810,000	20,585,916	435,000	435,000	435,000	435,000		22,325,916
Inspection Fees	424,452	125,000	549,452	25,000	25,000	25,000	25,000		649,452
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>19,812,301</b>	<b>3,250,000</b>	<b>23,062,301</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>25,062,301</b>

**FUNDING SCHEDULE**

R8750 Paygo	7,427,560		7,427,560						7,427,560
R7000 Future Bonds	0	3,000,000	3,000,000	500,000	500,000	500,000	500,000		5,000,000
R3150 Federal - ARRA Funds	875,792		875,792						875,792
R3199 Federal Other	340,000	250,000	590,000						590,000
R3399 State Other	120,000		120,000						120,000
R6999 Other	119,500		119,500						119,500
R7100 Prior Bonds	10,867,328		10,867,328						10,867,328
R7182 Prior Bonds 2012 Issue	68		68						68
R8089 Reappropriated Paygo	62,053		62,053						62,053
<b>Total Funds</b>	<b>19,812,301</b>	<b>3,250,000</b>	<b>23,062,301</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>25,062,301</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$737,311  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended 12,048,251  
 Encumbered 239,633  
 Total \$12,287,884

**PROJECT: Fleet Maintenance Facility**

**GENERAL**

**COUNCIL DISTRICT: C**

**LOCATION: Various**

**A164102**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for engineering and design of a new Fleet Maintenance/Radio Shop facility. This facility was listed as a high priority in the Countywide Facilities Master Plan Study. This project includes plans to collaborate with the Board of Education. For FY 16 Prior Bonds were reappropriated from the New Emergency Operations Center Capital Project in the amount of \$150,000.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,000,000	117,000	117,000	1,365,000					1,482,000
Inspection Fees			0						0
Equipment/Furnishing	150,000		150,000						150,000
Total Cost	1,150,000	117,000	267,000	1,365,000	0	0	0	0	1,632,000

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,150,000		150,000						150,000
R7000 Future Bonds		117,000	117,000	1,365,000					1,482,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,150,000	117,000	267,000	1,365,000	0	0	0	0	1,632,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	138,018
Encumbered	12,638
Total	<u>\$150,656</u>

**PROJECT: Fleet Replacement**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**GENERAL**

**A124102**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Provide funds for the replacement of essential vehicles and equipment to enable using agencies to perform their critical jobs in public safety, the Sheriff's Office and DES. We are behind in consistent rotation which has caused maintenance costs to rise, fuel inefficiency, and fleet availability to plummet. Units to be replaced are on average 10 years old with high mileage and have become unreliable.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project is ongoing.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	7,040,000	2,000,000	9,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,040,000
Total Cost	7,040,000	2,000,000	9,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,040,000

**FUNDING SCHEDULE**

R8750 Paygo	7,040,000	2,000,000	9,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,040,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	7,040,000	2,000,000	9,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	19,040,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	5,570,391
Encumbered	942,361
Total	<u>\$6,512,752</u>

**PROJECT: Harford Cable Network High-Definition Upgrade**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**New**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Funding will provide for the upgrade of the standard definition equipment to high definition equipment, to allow for the transmission of a high definition channel.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		250,000	250,000	250,000					500,000
Total Cost	0	250,000	250,000	250,000	0	0	0	0	500,000

**FUNDING SCHEDULE**

R8750 Paygo		200,000	200,000	200,000					400,000
R6999 Other		50,000	50,000	50,000					100,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	250,000	250,000	250,000	0	0	0	0	500,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

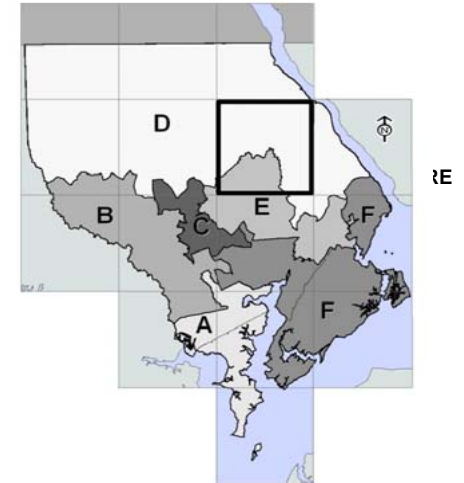
Expended

Encumbered

Total \$0

**PROJECT: Harford County Agricultural Research and Exposition Center****GENERAL****COUNCIL DISTRICT: D****LOCATION: Darlington/Dublin****A164103****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for site and engineering costs of an agricultural research and exposition facility in Harford County. This facility will provide the opportunity for federal, state and local agricultural agencies to be housed in one location, as well as to support programs such as but not limited to Science, Technology, Engineering and Mathematics (STEM) for Farmers. Farm-to-Table, Food safety, lab space, and expansion of the farmers' market.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	300,000	350,000	650,000						650,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>300,000</b>	<b>350,000</b>	<b>650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>650,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	150,000		150,000						150,000
R7920 State Bonds	150,000		150,000						150,000
R7000 Future Bonds		350,000	350,000						350,000
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>350,000</b>	<b>650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>650,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17**

Expended	66,710
Encumbered	83,290
<b>Total</b>	<b>\$150,000</b>

**PROJECT: Hosanna School**

**COUNCIL DISTRICT: D**

**LOCATION: Darlington, Md**

**GENERAL**

**A144103**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to increase the parking lot capacity and improve the safety associated with the site access to the historic Hosanna School in Darlington along MD State Rt. 623 (Castleton Road). Included with the project will be an on-site turn-around area for buses to eliminate the need to drop off a full busload of school children along the State Road. Also included will be handicapped parking facilities, stormwater management and necessary sidewalk upgrades to access the historic schoolhouse.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017. Remaining funds in the amount of \$18,138 will be reallocated to the Refresh Capital Project - A124103.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	240,000	(18,138)	221,862						221,862
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	240,000	(18,138)	221,862	0	0	0	0	0	221,862

**FUNDING SCHEDULE**

R8750 Paygo	240,000		240,000						240,000
R8750 Prior Paygo		(18,138)	(18,138)						(18,138)
			0						0
			0						0
			0						0
			0						0
Total Funds	240,000	(18,138)	221,862	0	0	0	0	0	221,862

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$13,500  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	221,862
Encumbered	0
Total	<u>\$221,862</u>

**PROJECT: Infrastructure Efficiency Capital Investment Projects****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A134104****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will identify and implement projects that will increase efficiency in county operations and the community through reducing costs and improving the County's environmental footprint to make facilities and the community safe, secure and functional.

**PROJECT SCHEDULE:**

ALL YEARS - Implement Level I and II energy audits strategies

FY 17 - 22 Implement energy efficient projects throughout the County

**PROJECT STATUS:**

Ongoing

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	226,500	25,000	251,500	10,000	10,000	10,000	10,000		291,500
Land Acquisition			0						0
Construction	300,000		300,000	15,000	15,000	15,000	15,000		360,000
Inspection Fees	23,500		23,500						23,500
Equipment/Furnishing	455,000		455,000						455,000
<b>Total Cost</b>	<b>1,005,000</b>	<b>25,000</b>	<b>1,030,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>1,130,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	144,858	25,000	169,858	25,000	25,000	25,000	25,000		269,858
R8089 Reappropriated Paygo	55,142		55,142						55,142
R6999 Other	30,000		30,000						30,000
R3399 State Other	775,000		775,000						775,000
			0						0
			0						0
<b>Total Funds</b>	<b>1,005,000</b>	<b>25,000</b>	<b>1,030,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>1,130,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended	352,495
Encumbered	60,207
<b>Total</b>	<b>\$412,702</b>

**PROJECT: Refresh Program****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION:** Countywide**A124103****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to refresh the computers, network, infrastructure, server, storage and peripherals throughout the County. This project will be an ongoing maintenance effort to keep the County's equipment current and to replace equipment as it becomes obsolete or out of support. This project will be managed by the Office of Information and Communication Technology.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Over and above general refresh we have a request from Fire EMS for RMS Kiosk replacements as they are at end of life and failing (\$115K) For FY 18, \$34,425 of Paygo funding has been reallocated from the Countywide Facilities Master Plan capital project - #A134403; and \$136,162 has been reallocated from the Bel Air Parking Garage capital project - A134101; and \$18,138 has been reallocated from the Hosanna School capital project - A144103.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	2,635,000	300,000	2,935,000	300,000	300,000	300,000	300,000	300,000	4,435,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,635,000</b>	<b>300,000</b>	<b>2,935,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>4,435,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,435,000	111,275	1,546,275	300,000	300,000	300,000	300,000	300,000	3,046,275
R8089 Reappropriated Paygo	1,200,000		1,200,000						1,200,000
R8750 Prior Paygo		188,725	188,725						188,725
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,635,000</b>	<b>300,000</b>	<b>2,935,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>4,435,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of

1/5/2017

Expended	2,440,537
Encumbered	17,067
<b>Total</b>	<b>\$2,457,604</b>

**PROJECT: Safeguarding Business Operations****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION:** Countywide**A114104****PROJECT DESCRIPTION / JUSTIFICATION:**

To integrate and modernize enterprise software applications and architecture across the County. Projects will include Enterprise Resource Planning. Applications and Database modernization, consolidation and enhancement including Workflow, COBIT/ITIL standards initiatives, Mainframe Sunset provisions, DILP Automation, Disaster Recovery, EOC Integration and DPW/Transportation Vehicle Tracking Systems among others.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	14,075,400	1,000,000	15,075,400	500,000	500,000	500,000			16,575,400
<b>Total Cost</b>	<b>14,075,400</b>	<b>1,000,000</b>	<b>15,075,400</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>16,575,400</b>

**FUNDING SCHEDULE**

R8750 Paygo	10,142,098	1,000,000	11,142,098	500,000	500,000	500,000			12,642,098
R8089 Reappropriated Paygo	2,373,302		2,373,302						2,373,302
R7160 Lease Purchase	1,560,000		1,560,000						1,560,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>14,075,400</b>	<b>1,000,000</b>	<b>15,075,400</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>16,575,400</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of

1/5/2017

Expended	8,752,479
Encumbered	370,773
<b>Total</b>	<b>\$9,123,252</b>

**PROJECT: Underground and Aboveground Storage Tank Management****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A144104****PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this capital project is for the inspection, design and construction to replace, repair and retrofit the various 130 aboveground and the 16 underground storage tanks maintained by Harford County for improved safety and reliability. Fleet has completed some of the projected work in this Capital Project like the Fallston Fuel Station but there is much more to be completed; DEF to be installed at Hickory II Fuel Station, Increase of tank sizes and upgrade to the following fuel locations, Jarrettsville and Whiteford which will enable us to order discounted fuel truck loads at a lower price per gallon. Veedor Root Upkeep which allow us to monitor tank capacity through the Gasboy system and Complete removal of tank located at 29 West Courtland Street

**PROJECT SCHEDULE:**

Diesel Exhaust Fuel Mini Bulk Storage and Dispensing System to be installed at Hickory II Fuel Site Location  
 Increase Tank Size at Jarrettsville Fuel Station to include both Unleaded and Diesel Fuel Tanks  
 Increase Tank Size at Whiteford Fuel Station to include both Unleaded and Diesel Fuel Tanks  
 Upkeep on Vendor Root Fuel Tank Monitoring Systems located at all Fuel Sites in the County  
 Complete removal of tank located at 29 West Courtland Street

**PROJECT STATUS:**

This project is open and ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FT 2023	
Engineering/Design	15,000	10,000	25,000						25,000
Land Acquisition		0	0						0
Construction	388,500	50,000	438,500						438,500
Inspection Fees	55,500	20,000	75,500						75,500
Equipment/Furnishing	46,000	20,000	66,000						66,000
Total Cost	505,000	100,000	605,000	0	0	0	0	0	605,000

**FUNDING SCHEDULE**

R8750 Paygo	505,000	100,000	605,000						605,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	505,000	100,000	605,000	0	0	0	0	0	605,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	89,007
Encumbered	48,501
Total	<u>\$137,508</u>

# **OUTYEAR PROJECTS**

## **FY 19 - FY 23**

**PROJECT: Site Acquisition**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**GENERAL**

**A064109**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project was for the acquisition of privately owned land in those areas of need where donated land appears unlikely. Land needs are prevalent in the areas of education, parks and recreation, libraries, and other public purposes.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project is ongoing.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition	23,757,761		23,757,761	500,000	500,000	500,000	500,000	500,000	26,257,761
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	23,757,761	0	23,757,761	500,000	500,000	500,000	500,000	500,000	26,257,761

**FUNDING SCHEDULE**

R3199 Federal Other	525,000		525,000						525,000
R3399 State Other	225,000		225,000						225,000
R7100 Prior Bonds	18,007,761		18,007,761						18,007,761
R7945 Proceeds from IPA	5,000,000		5,000,000						5,000,000
R7000 Future Bonds			0	500,000	500,000	500,000	500,000	500,000	2,500,000
			0						0
Total Funds	23,757,761	0	23,757,761	500,000	500,000	500,000	500,000	500,000	26,257,761

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$1,667,586  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

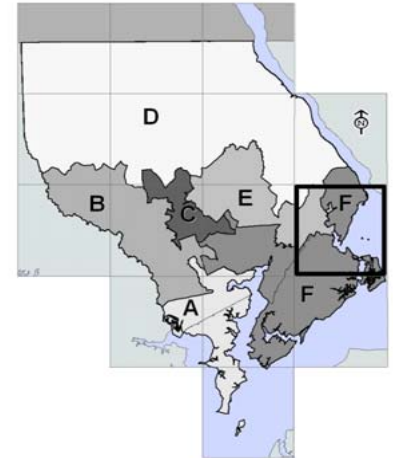
Expended	16,697,822
Encumbered	0
Total	<u>\$16,697,822</u>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Aberdeen Library Roof and Windows****GENERAL****COUNCIL DISTRICT: E****LOCATION: Aberdeen****A174101****PROJECT DESCRIPTION / JUSTIFICATION:**

The Aberdeen Library has excessive humidity and moisture problems throughout the building and the existing roof regularly leaks. Both of these issues are damaging the interior of the building as well as the library collection. This project will replace 37 obsolete single paned windows that have deteriorating and failing gasket seals with double paned, low emissivity rated windows. These new energy efficient windows will increase the insulation capabilities, prevent air infiltration and reduce humidity and moisture issues. The estimated cost for replacing the windows is \$90,000 of which Harford County would pay half the cost.

The existing roof is approximately 25,000 square feet. The roof consists of a low slope mineral surfaced modified roof and shingles. The low slope mineral surface is deteriorating, causing oxidation and loss of elasticity, leading to splits and cracks. Shingles are also starting to crack and deteriorate. The cost to replace the low slope built roof area with a new roof is \$249,000 and the cost for removing and replacing the shingled area is \$49,000. The total cost to replace is \$298,000 of which Harford County would pay half the cost.

**PROJECT SCHEDULE:**

FY 17 - Roof replacement Dec 2016 and window replacement spring 2017

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	388,000	0	388,000						388,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>388,000</b>	<b>0</b>	<b>388,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>388,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	194,000	0	194,000						194,000
R7920 State Bonds	194,000	0	194,000						194,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>388,000</b>	<b>0</b>	<b>388,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>388,000</b>

**OPERATING BUDGET IMPACT:****Financial Activity as of 1/5/17**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost:  
 New Positions (FTE's):

Expended	220,244
Encumbered	121,851
<b>Total</b>	<b>\$342,095</b>

**PROJECT: Automated External Defibrillators (AEDs)**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A154101**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this project is to provide for Automated External Debrillators (AEDs) in all County facilities and buildings.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project will be closed and removed from the Capital Imrovement Program following completion of the audit in July, 2017.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	20,000		20,000						20,000
Total Cost	20,000	0	20,000	0	0	0	0	0	20,000

**FUNDING SCHEDULE**

R8750 Paygo	20,000		20,000						20,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	20,000	0	20,000	0	0	0	0	0	20,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	19,990
Encumbered	0
Total	<u>\$19,990</u>

**PROJECT: Board of Education Debt Service 15****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A154102****PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the collection of Recordation Tax and Transfer Tax in the Capital Projects Fund in accordance with State law. Recordation and Transfer Taxes may be used for the payment of Debt Service on education capital projects or as pay-as-you-go funding for education projects. In the past, the County has recorded the collection of Recordation and Transfer Taxes in an escrow account and then transferred the money to the General Fund to pay debt service. This project will provide a more informative means to audit presentation.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be ongoing to pay debt service.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	14,260,492		14,260,492						14,260,492
<b>Total Cost</b>	<b>14,260,492</b>	<b>0</b>	<b>14,260,492</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,260,492</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	7,100,000		7,100,000						7,100,000
R1525 Transfer Tax	5,600,000		5,600,000						5,600,000
R8027 Reappropriated Rec. Tax	1,033,078		1,033,078						1,033,078
R8026 Reappropriated Transfer Tax	527,414		527,414						527,414
			0						0
			0						0
<b>Total Funds</b>	<b>14,260,492</b>	<b>0</b>	<b>14,260,492</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,260,492</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	14,260,492
Encumbered	
<b>Total</b>	<b><u>\$14,260,492</u></b>

**PROJECT: Board of Education Debt Service 16****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A164101****PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the collection of Recordation Tax and Transfer Tax in the Capital Projects Fund in accordance with State law. Recordation and Transfer Taxes may be used for the payment of Debt Service on education capital projects or as pay-as-you-go funding for education projects. In the past, the County has recorded the collection of Recordation and Transfer Taxes in an escrow account and then transferred the money to the General Fund to pay debt service. This project will provide a more informative means to audit presentation.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be ongoing to pay debt service.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	16,600,000		16,600,000						16,600,000
<b>Total Cost</b>	<b>16,600,000</b>	<b>0</b>	<b>16,600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,600,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	7,100,000		7,100,000						7,100,000
R1525 Transfer Tax	6,400,000		6,400,000						6,400,000
R8027 Reappropriated Rec. Tax	1,000,000		1,000,000						1,000,000
R8026 Reappropriated Transfer Tax	2,100,000		2,100,000						2,100,000
			0						0
			0						0
<b>Total Funds</b>	<b>16,600,000</b>	<b>0</b>	<b>16,600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,600,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	16,600,000
Encumbered	0
<b>Total</b>	<b>\$16,600,000</b>

**PROJECT: Board of Education Debt Service 17****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the collection of Recordation Tax and Transfer Tax in the Capital Projects Fund in accordance with State law. Recordation and Transfer Taxes may be used for the payment of Debt Service on education capital projects or as pay-as-you-go funding for education projects. In the past, the County has recorded the collection of Recordation and Transfer Taxes in an escrow account and then transferred the money to the General Fund to pay debt service. This project will provide a more informative means to audit presentation.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be ongoing to pay debt service.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	17,800,000		17,800,000						17,800,000
<b>Total Cost</b>	<b>17,800,000</b>	<b>0</b>	<b>17,800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,800,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	8,300,000		8,300,000						8,300,000
R1525 Transfer Tax	7,500,000		7,500,000						7,500,000
R8027 Reappropriated Rec. Tax	500,000		500,000						500,000
R8026 Reappropriated Transfer Tax	1,500,000		1,500,000						1,500,000
			0						0
			0						0
<b>Total Funds</b>	<b>17,800,000</b>	<b>0</b>	<b>17,800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Citizens Care Center**

**COUNCIL DISTRICT: F**

**LOCATION: Havre de Grace, MD**

**GENERAL**

**A114101**

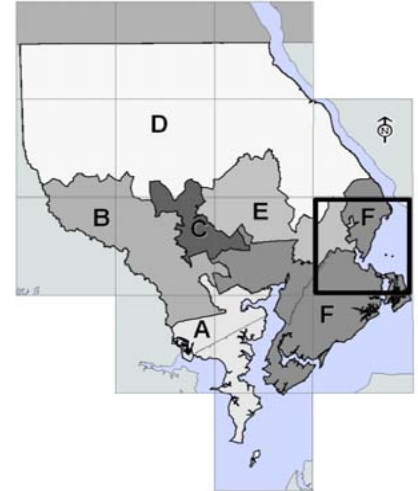
**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funds for the repair, renovation, and reconstruction of the existing facility that has been designed. In addition, about \$200,000 will be used for furniture, equipment, and fixtures.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2017.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,800,000		1,800,000						1,800,000
Inspection Fees			0						0
Equipment/Furnishing	200,000		200,000						200,000
Total Cost	2,000,000	0	2,000,000	0	0	0	0	0	2,000,000

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,750,000		1,750,000						1,750,000
R6999 Other	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
Total Funds	2,000,000	0	2,000,000	0	0	0	0	0	2,000,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$145,100  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	1,952,851
Encumbered	14,940
Total	<u>\$1,967,791</u>

**PROJECT: 45 South Main Street - Add Emergency Power Systems****GENERAL****COUNCIL DISTRICT: C****LOCATION: Bel Air****A144102****PROJECT DESCRIPTION / JUSTIFICATION:**

Necessary electrical up-grades to provide new generator, transfer switch, main distribution panel and electrical work to provide uninterrupted power for I.C.T. system and Sheriff's IT equipment.

**PROJECT SCHEDULE:**

FY 14/15 - Engineering and Design

FY 16 - Start Construction

**PROJECT STATUS:**

Boiler replacement is finished and operational, anticipate construction and completion in spring for electrical upgrades and new generator.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	75,000		75,000						75,000
Land Acquisition			0						0
Construction	500,000	0	500,000						500,000
Inspection Fees	25,000		25,000						25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>600,000</b>	<b>0</b>	<b>600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	600,000	0	600,000						600,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>600,000</b>	<b>0</b>	<b>600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$59,788

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	421,284
Encumbered	50,982
<b>Total</b>	<b>\$472,266</b>

**PROJECT: GIS Update**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A134105**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The Department of Planning and Zoning maintains planimetric and topographic mapping databases of Harford County. These databases serve as the foundation of the County's Geographic Information System and are used by departments and agencies throughout Harford County Government as well as other local, State and Federal government agencies. Timely, accurate mapping data is critical to the operation of Planning and Zoning, as well as DPW Engineering, Highways and Water & Sewer. Emergency Operations and the Volunteer Fire Companies use this data for critical public safety and dispatch operations. Requested funding would be used to update existing planimetric and topographic data in selected areas of the County where development or environmental change has occurred since the last comprehensive mapping effort which occurred in 2008.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	250,000		250,000						250,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	250,000	0	250,000	0	0	0	0	0	250,000

**FUNDING SCHEDULE**

R8750 Paygo	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	250,000	0	250,000	0	0	0	0	0	250,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	223,099
Encumbered	0
Total	<u>\$223,099</u>

**PROJECT: HMAN (Harford County Metro Area Network)****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION:** Countywide**A124131****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to use advanced telecommunications infrastructure to increase access to the web and other computer utilities for citizens, businesses and governmental entities within Harford County. The HMAN (Harford County Metro Area Network) will allow the consolidation of existing disparate communication networks into a single secure high speed IP network providing internet; Ethernet and voice over IP; serve as Harford County's communications backbone for all current and future technologies; reduction of cost for Harford County government and its sister organizations' complete coverage of the County for internet access and increased bandwidth for both governmental and private sector entities. This new architecture creates a multi-service network that provides the government, public safety, education, health care, commercial and residential users a single infrastructure, with complete sovereignty and security, on an advanced consolidated core backbone.

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	16,200,000		16,200,000						16,200,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>16,200,000</b>	<b>0</b>	<b>16,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,200,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	16,200,000		16,200,000						16,200,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>16,200,000</b>	<b>0</b>	<b>16,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,200,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

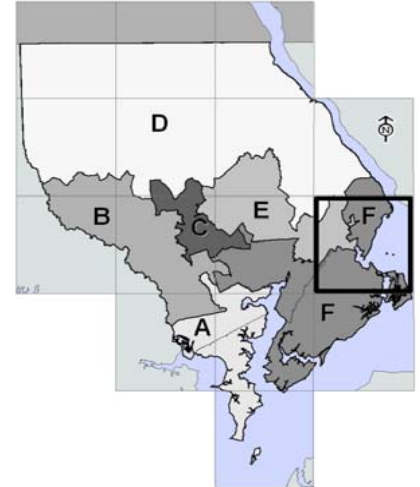
Financial Activity as of

1/5/2017

Expended	12,878,206
Encumbered	1,247,255
<b>Total</b>	<b>\$14,125,461</b>

**PROJECT: Havre de Grace Opera House Renovations****GENERAL****COUNCIL DISTRICT: F****LOCATION: Havre de Grace, MD****A144130****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funds for the renovation of the Havre de Grace Opera House. This will include renovation of the first and second floor (7,052 sq/ft), the construction of an addition (2,178 sq/ft) for housing an elevator, as well as upgrades to make the building ADA compliant and compliant with all safety standards. Seating capacity in the historic second floor theater will be increased from 120 seats to 200. In its current condition, the building prohibits anyone with disabilities from entering the theater or otherwise using this public building for the performing arts, lecture, etc. After renovations and with ADA accessibility, the new facility will be able to serve dozens of organizations, including the youth, and those with special needs in Harford, Cecil, and Baltimore Counties. Funding for this project is necessary to preserve this historic building and fill a demand for multi-purpose media space in the region.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	750,000		750,000						750,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>750,000</b>	<b>0</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	250,000		250,000						250,000
R7920 State Bonds	250,000		250,000						250,000
R6999 Other	250,000		250,000						250,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>750,000</b>	<b>0</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	250,000
Encumbered	0
<b>Total</b>	<b>\$250,000</b>

**PROJECT: Humane Society**

**GENERAL**

**COUNCIL DISTRICT: B**

**LOCATION: Benson, MD**

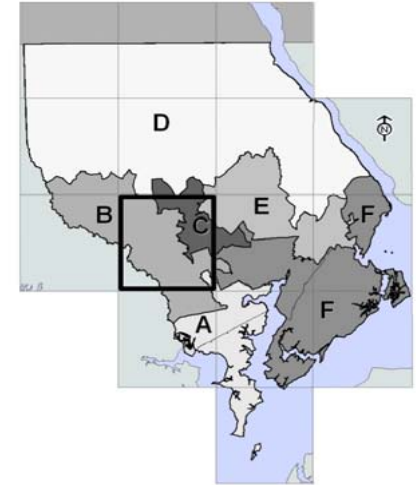
**A114102**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Phase I for this project is to provide predevelopment funds for a new Humane Society complex. Phase II will involve construction of a new facility on the existing land owned by the Humane Society of Harford County. This facility will provide a significantly better experience for County residents looking to adopt or surrender a pet, and will allow for the Humane Society to care for and provide humane temporary housing prior to adoption. This structure will continue to avail participation in the Animal Control Program and better promote awareness of animal care in the community.

**PROJECT SCHEDULE:**

FY 13 - begin construction



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	375,000		375,000						375,000
Land Acquisition			0						0
Construction	5,800,000		5,800,000						5,800,000
Inspection Fees	225,000		225,000						225,000
Equipment/Furnishing	650,000		650,000						650,000
Total Cost	7,050,000	0	7,050,000	0	0	0	0	0	7,050,000

**FUNDING SCHEDULE**

R7100 Prior Bonds	6,000,000		6,000,000						6,000,000
R6999 Other	1,050,000		1,050,000						1,050,000
			0						0
			0						0
			0						0
			0						0
Total Funds	7,050,000	0	7,050,000	0	0	0	0	0	7,050,000

**OPERATING BUDGET IMPACT:**

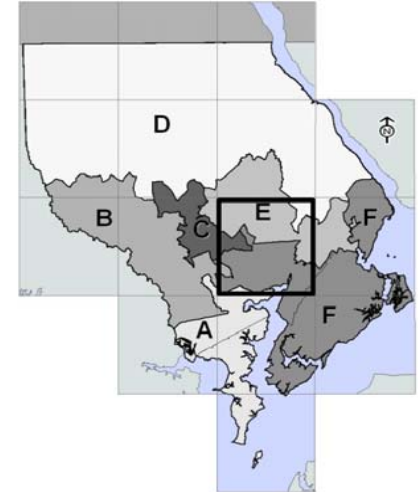
Estimated Annual Debt Service Cost: \$522,640  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	6,309,796
Encumbered	108,623
Total	<u>\$6,418,419</u>

**PROJECT: MD 924 Small Area Corridor Plan****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Emmorton****A144129****PROJECT DESCRIPTION / JUSTIFICATION:**

This is a small area neighborhood plan focused upon the land use, transportation, connectivity and quality of life along the 924 corridor from Lake Drive to Porter Lane. This three mile corridor is in the heart of our development envelope yet home to thousands of residents and businesses. This plan will involve community stakeholders and serve as a street level plan that guides future land use, transportation improvements, environmental protection, open space and quality of life issues. The plan will represent the community's vision and provide the template for other areas of the County. The Harford County Department of Planning and Zoning will lead this community planning effort and will work with stakeholders, as well as State and local agencies including the Baltimore Metropolitan Council for additional funding and technical expertise in the area of improved vehicular and pedestrian mobility throughout the corridor.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	60,000		60,000						60,000
R3199 Federal Other	240,000		240,000						240,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	189,088
Encumbered	25,785
<b>Total</b>	<b>\$214,873</b>

**PROJECT: Reforestation and Buffer Mitigation - Critical Area**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A094105**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The existing capital account accepts fee-in-lieu funds (developer contributions) for reforestation and buffer mitigation of properties located within the Critical Area per the Harford County Zoning Code and State Critical Area Program.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	100,000	0	100,000	0	0	0	0	0	100,000

**FUNDING SCHEDULE**

R6330 Developer	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	100,000	0	100,000	0	0	0	0	0	100,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	65,315
Encumbered	2,734
Total	<u>\$68,049</u>

**PROJECT: Reforestation and Landscaping**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A024132**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This existing capital account accepts funds for reforestation and landscaping requirements of the Harford County Zoning Code when a developer defaults on the surety.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	680,000		680,000						680,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	680,000	0	680,000	0	0	0	0	0	680,000

**FUNDING SCHEDULE**

R6330 Developer	672,421		672,421						672,421
R3399 State Other	7,579		7,579						7,579
			0						0
			0						0
			0						0
			0						0
Total Funds	680,000	0	680,000	0	0	0	0	0	680,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	353,042
Encumbered	600
Total	<u>\$353,642</u>

**PROJECT: Repairs to 45 South Main Street Building****GENERAL****COUNCIL DISTRICT: B****LOCATION: Bel Air, MD****A134112****PROJECT DESCRIPTION / JUSTIFICATION:**

As a result of demolition work of the BB&T building by authority of the Town of Bel Air, the north wall of 45 South Main Street requires rehabilitative restoration. The old jail located at the rear of 45 South Main Street will also be fully exposed as a result of the demolition. Since this building is in a deteriorating state, rehabilitative repairs will be necessary to it as well. It would be a practical and efficient use of funds to perform repairs to the exterior of the entire facility, noting that the repairs are largely masonry in nature. As the demolition is not complete, however, the extend of the repair and restoration work cannot be accurately assessed.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	100,000		100,000						100,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	99,489
Encumbered	0
<b>Total</b>	<b>\$99,489</b>

**PROJECT: Treasury Computer Enhancements****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Bel Air, MD****A054104****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to purchase additional software to enhance Treasury's current software packages that would include accounting, purchasing, fixed assets, report writer, payroll, and cash receipts systems to operate more effectively as well as efficiently. With the ever changing technical advances in today's world, we need to increase our vigilance in system upgrading to ensure system functionality. An example of this would be to purchase software to web enable our current products, providing departments with a familiar and consistent format that is currently being used on the Internet.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	175,000		175,000						175,000
<b>Total Cost</b>	<b>175,000</b>	<b>0</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	175,000		175,000						175,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>175,000</b>	<b>0</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	168,391
Encumbered	0
<b>Total</b>	<b>\$168,391</b>

**PROJECT: Voting Equipment****GENERAL****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A164104****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding for equipment required for implementation of the new voting system as determined by the Maryland State Board of Elections. Equipment can include, but is not limited to items such as carts, voting booths, memory sticks, kiosks, ballot boxes, hubs and servers.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	200,000		200,000						200,000
<b>Total Cost</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	200,000		200,000						200,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				
					FY 2020	FY 2021	FY 2022	FY 2023	

GENERAL FUND

STORMWATER MANAGEMENT

**FY 18 Funded Projects:**

Bynum Run @ St. Andrews Way Stream Restoration	2,197,026	1,347,026	850,000	0	0	0	0	0
County Owned Stormwater Management Rehab and Repair	550,000	0	50,000	100,000	100,000	100,000	100,000	100,000
County Owned Watershed Restoration Improvements	23,800,000	5,525,000	1,850,000	3,025,000	3,125,000	3,225,000	3,475,000	3,575,000
Joppatowne Area Watershed Restoration	6,250,000	2,550,000	950,000	550,000	550,000	550,000	550,000	550,000
Maintenance/Repair of Dams FY 14	3,455,000	1,355,000	350,000	350,000	350,000	350,000	350,000	350,000
Plumtree Run Watershed Restoration	9,243,452	2,943,452	1,800,000	900,000	900,000	900,000	900,000	900,000
Riverside Area Watershed Restoration	7,085,886	1,410,886	1,300,000	875,000	875,000	875,000	875,000	875,000
Sams Branch Watershed Restoration	4,272,922	1,172,922	1,100,000	400,000	400,000	400,000	400,000	400,000
Septic System Disconnection	350,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Stormwater Pollution Prevention	1,631,395	731,395	150,000	150,000	150,000	150,000	150,000	150,000
Upper Bynum Watershed Restoration Improvements	10,550,000	0	550,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Watershed Restoration Assessment	11,900,000	3,100,000	800,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
Watershed Restoration Improvements	4,450,000	1,050,000	650,000	550,000	550,000	550,000	550,000	550,000
Watershed Restoration Maintenance	760,000	160,000	100,000	100,000	100,000	100,000	100,000	100,000
Wheel Creek Watershed Restoration	7,139,607	6,539,607	150,000	150,000	150,000	150,000	0	0

**Open Projects**

Lily Run Watershed Restoration	725,000	725,000						
Stormwater Enhancement	815,000	815,000						
Sunnyview Stream Restoration	1,992,220	1,992,220	0	0	0	0	0	0

<b>Stormwater Management Total by Project</b>	<b>97,167,508</b>	<b>31,467,508</b>	<b>10,700,000</b>	<b>10,800,000</b>	<b>10,900,000</b>	<b>11,000,000</b>	<b>11,100,000</b>	<b>11,200,000</b>
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Paygo - Special Dedicated Paygo	6,112,818	3,112,818	500,000	500,000	500,000	500,000	500,000	500,000
Prior Bonds	11,650,000	11,700,000	(50,000)	0	0	0	0	0
Future Bonds	37,050,000	0	5,800,000	6,050,000	6,150,000	6,250,000	6,350,000	6,450,000
Reappropriated	2,024,690	2,024,690	0	0	0	0	0	0
Recordation Tax	200,000	200,000	0	0	0	0	0	0
State	31,057,016	9,257,016	4,050,000	3,550,000	3,550,000	3,550,000	3,550,000	3,550,000
Federal	5,097,984	2,697,984	150,000	450,000	450,000	450,000	450,000	450,000
Other	3,975,000	2,475,000	250,000	250,000	250,000	250,000	250,000	250,000

<b>Stormwater Management Total by Fund</b>	<b>97,167,508</b>	<b>31,467,508</b>	<b>10,700,000</b>	<b>10,800,000</b>	<b>10,900,000</b>	<b>11,000,000</b>	<b>11,100,000</b>	<b>11,200,000</b>
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FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

GENERAL FUND

STORMWATER MANAGEMENT

Bynum Run @ St. Andrews Way Stream Restoration	850,000	0	0	0	800,000	0	0	0	0	0	50,000	0	0
County Owned SWM Rehabilitation and Repair*	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
County Owned Watershed Restoration Improvements	1,850,000	0	0	50,000	800,000	0	0	0	1,000,000	0	0	0	0
Joppatowne Area Watershed Restoration	950,000	0	0	0	800,000	0	0	0	150,000	0	0	0	0
Maintenance/Repair of Dams FY 14*	350,000	0	100,000	0	0	0	0	0	0	0	0	0	250,000
Plumtree Run Watershed Restoration	1,800,000	0	0	0	800,000	0	0	0	1,000,000	0	0	0	0
Riverside Area Watershed Restoration	1,300,000	0	0	0	800,000	0	0	0	500,000	0	0	0	0
Sams Branch Watershed Restoration	1,100,000	0	0	0	300,000	0	0	0	800,000	0	0	0	0
Septic System Disconnection*	50,000	0	100,000	(50,000)	0	0	0	0	0	0	0	0	0
Stormwater Pollution Prevention*	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Upper Bynum Run Watershed Restoration Improvements	550,000	0	0	0	400,000	0	0	0	150,000	0	0	0	0
Watershed Restoration Assessment	800,000	0	0	0	400,000	0	0	0	300,000	0	100,000	0	0
Watershed Restoration Improvements	650,000	0	0	0	500,000	0	0	0	150,000	0	0	0	0
Watershed Restoration Maintenance*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Wheel Creek Watershed Restoration	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0

\*Special Dedicated Paygo

SUB-TOTAL STORMWATER MANAGEMENT	10,700,000	0	500,000	0	5,750,000	0	0	0	4,050,000	0	150,000	0	250,000
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**PROJECT: Bynum Run @ St. Andrews Way Stream Restoration****STORMWATER MANAGEMENT****COUNCIL DISTRICT: C****LOCATION: Bel Air****A114105****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the design and construction of a stream restoration on Bynum Run. Approximately 3,000 feet of stream will be restored as a result of this project including stabilization to protect a sewer line. The project is located east of the Town of Bel Air across from St. Andrews Way. This project is a cost share with Water and Sewer. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

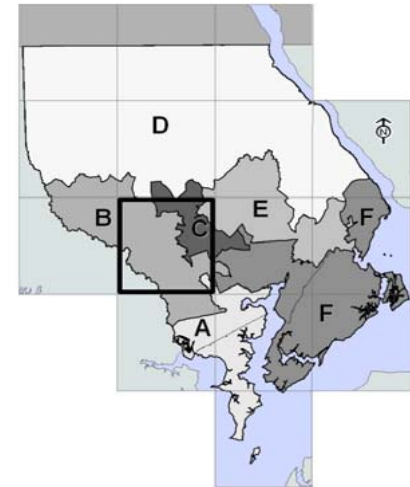
**PROJECT SCHEDULE:**

Construction FY2018; to follow after the construction of the Water and Sewer parallel project.

Grant application anticipated spring 2017 with funds available fall 2017

**PROJECT STATUS:**

Design is 95% completed.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2022	
Engineering/Design	145,000		145,000						145,000
Land Acquisition			0						0
Construction	1,147,026	550,000	1,697,026						1,697,026
Inspection Fees	55,000	300,000	355,000						355,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,347,026</b>	<b>850,000</b>	<b>2,197,026</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,197,026</b>

**FUNDING SCHEDULE**

R8750 Paygo	310,000		310,000						310,000
R3199 Federal Other	980,000	50,000	1,030,000						1,030,000
R8089 Reappropriated Paygo	57,026		57,026						57,026
R7000 Future Bonds		800,000	800,000						800,000
			0						
			0						
<b>Total Funds</b>	<b>1,347,026</b>	<b>850,000</b>	<b>2,197,026</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,197,026</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	203,478
Encumbered	4,897
<b>Total</b>	<b>\$208,375</b>

**PROJECT: County Owned Stormwater Management Rehabilitation and Repair**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**NEW**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for non-routine repairs, major maintenance and / or rehabilitation of County-owned stormwater management facilities.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		50,000	50,000	100,000	100,000	100,000	100,000	100,000	550,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	50,000	50,000	100,000	100,000	100,000	100,000	100,000	550,000

**FUNDING SCHEDULE**

R7100 Prior Bonds									
R8750 Special Dedicated Paygo		50,000	50,000	100,000	100,000	100,000	100,000	100,000	550,000
Total Funds	0	50,000	50,000	100,000	100,000	100,000	100,000	100,000	550,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended  
Encumbered  
Total \$0

**PROJECT: County Owned Watershed Restoration Improvements****STORMWATER MANAGEMENT****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A164105****PROJECT DESCRIPTION / JUSTIFICATION:**

Watershed restoration/improvement projects are designed and constructed to reduce pollutant loading and improve water quality of the streams and rivers in Harford County. The types of projects include new stormwater management facilities, stormwater retrofits, stream channel restoration and stabilization. This project will be used for design and construction for projects on county owned property that have not yet been identified. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:**

Leight Center Parking Lot Green Infrastructure (Design 95% complete) - joint project with Parks & Recreation, grant funding approved  
 Abingdon Library SWM Retrofit (Tree planting completed, Design 75% complete)  
 Church Creek ES SWM Retrofit and Stream Restoration (Design 30% complete)  
 Heavenly Wetland and Stream Creation (Design 30% complete)  
 Bear Cabin Branch Wetland and Stream Restoration (Design 10% complete) - grant funding approved

**PROJECT STATUS:**

Prior bond funding in the amount of \$50,000 has been reallocated from the Septic System Disconnection capital project - A174112.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,060,000	500,000	1,560,000	950,000	850,000	850,000	850,000	850,000	5,910,000
Land Acquisition			0						0
Construction	3,700,000	1,200,000	4,900,000	1,775,000	1,975,000	1,975,000	2,225,000	2,325,000	15,175,000
Inspection Fees	765,000	150,000	915,000	300,000	300,000	400,000	400,000	400,000	2,715,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,525,000</b>	<b>1,850,000</b>	<b>7,375,000</b>	<b>3,025,000</b>	<b>3,125,000</b>	<b>3,225,000</b>	<b>3,475,000</b>	<b>3,575,000</b>	<b>23,800,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	3,500,000	50,000	3,550,000						3,550,000
R3320 State DNR/SWM	1,725,000	1,000,000	2,725,000	1,225,000	1,225,000	1,225,000	1,225,000	1,225,000	8,850,000
R3199 Federal Other	300,000		300,000						300,000
R7000 Future Bonds		800,000	800,000	1,800,000	1,900,000	2,000,000	2,250,000	2,350,000	11,100,000
<b>Total Funds</b>	<b>5,525,000</b>	<b>1,850,000</b>	<b>7,375,000</b>	<b>3,025,000</b>	<b>3,125,000</b>	<b>3,225,000</b>	<b>3,475,000</b>	<b>3,575,000</b>	<b>23,800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$139,901  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

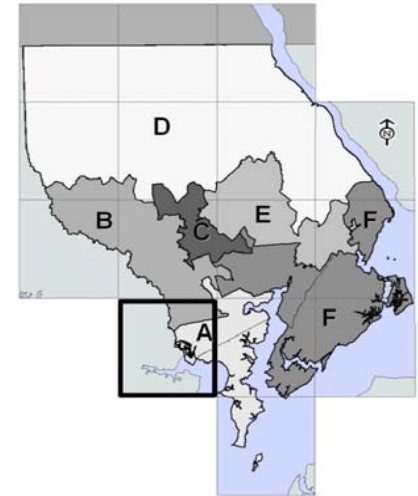
Expended	396,185
Encumbered	650,234
<b>Total</b>	<b>\$1,046,419</b>

**PROJECT: Joppatowne Area Watershed Restoration****COUNCIL DISTRICT: A****LOCATION: Joppatowne****STORMWATER MANAGEMENT****A124104****PROJECT DESCRIPTION / JUSTIFICATION:**

Sedimentation has been occurring in the tidal areas of Foster Branch and Rumsey Island requiring dredging for boating access. A watershed assessment was completed in Foster Branch in 2012. Assessments for Mariner Run (Rumsey Island sub watershed) and Rumsey Island are pending. The assessments provide prioritized recommendations for restoration projects, including stream restoration and stormwater management retrofit that provides the most cost effective improvements to water quality and reductions in sedimentation. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:**

Foster Branch at Dembytown Stream Restoration (Under construction)

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	915,000	325,000	1,240,000	175,000	175,000	175,000	175,000	175,000	2,115,000
Land Acquisition			0						0
Construction	1,425,000	550,000	1,975,000	325,000	325,000	325,000	325,000	325,000	3,600,000
Inspection Fees	210,000	75,000	285,000	50,000	50,000	50,000	50,000	50,000	535,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,550,000</b>	<b>950,000</b>	<b>3,500,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>6,250,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	300,000		300,000						300,000
R7100 Prior Bonds	950,000		950,000						950,000
R3320 State DNR/SWM	900,000	150,000	1,050,000	150,000	150,000	150,000	150,000	150,000	1,800,000
R3199 Federal Other	175,000		175,000						175,000
R8089 Reappropriated Paygo	225,000		225,000						225,000
R7000 Future Bonds		800,000	800,000	400,000	400,000	400,000	400,000	400,000	2,800,000
<b>Total Funds</b>	<b>2,550,000</b>	<b>950,000</b>	<b>3,500,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>6,250,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$67,539

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	952,420
Encumbered	615,656
<b>Total</b>	<b>\$1,568,076</b>

**PROJECT: Maintenance/Repair of Dams FY14**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A144128**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the annual maintenance of dams, which are the responsibility of Harford County, including but not limited to dams located at Deer Creek, Lake Serene, and Oaks of Harford. In addition, the project will provide the funding for repairs to private stormwater management facilities, which present an immediate danger to the public or environmental health or are a safety hazard because of an unsafe condition or improper maintenance. The costs of which would be assessed against the owner(s).

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,355,000	350,000	1,705,000	350,000	350,000	350,000	350,000	350,000	3,455,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,355,000	350,000	1,705,000	350,000	350,000	350,000	350,000	350,000	3,455,000

**FUNDING SCHEDULE**

R8750 Paygo	95,000		95,000						95,000
R1515 Recordation Tax	60,000		60,000						60,000
R8750 Special Dedicated Paygo	100,000	100,000	200,000	100,000	100,000	100,000	100,000	100,000	700,000
R6999 Other	850,000	250,000	1,100,000	250,000	250,000	250,000	250,000	250,000	2,350,000
R1602 Special Assessment	250,000		250,000						250,000
Total Funds	1,355,000	350,000	1,705,000	350,000	350,000	350,000	350,000	350,000	3,455,000

**OPERATING BUDGET IMPACT:**

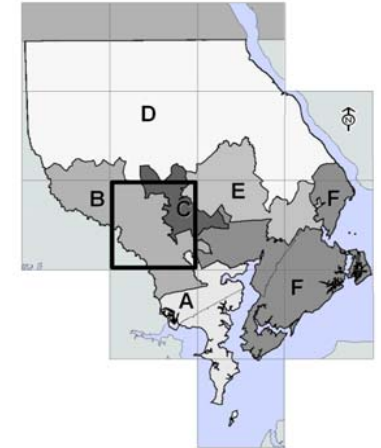
Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	398,679
Encumbered	100,875
Total	<u>\$499,554</u>

**PROJECT: Plumtree Run Watershed Restoration****STORMWATER MANAGEMENT****COUNCIL DISTRICT: C****LOCATION: Bel Air****A124105****PROJECT DESCRIPTION / JUSTIFICATION:**

The Plumtree Run Watershed (1,651 acres) begins within the Town of Bel Air, and is the most developed watershed within Harford County. The Plumtree Run Watershed Assessment (2011) provides prioritized recommendations for restoration projects, including ten stream restorations and seven stormwater management retrofits that provide the most cost effective improvements to water quality. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:**

Plumtree Run at Barrington Stream Restoration (Design 95% complete)  
 Ring Factory SWM Retrofit and Stream Restoration (Design 95% complete)

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	818,452	200,000	1,018,452	175,000	175,000	175,000	175,000	175,000	1,893,452
Land Acquisition			0						0
Construction	1,700,000	1,400,000	3,100,000	600,000	600,000	600,000	600,000	600,000	6,100,000
Inspection Fees	425,000	200,000	625,000	125,000	125,000	125,000	125,000	125,000	1,250,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,943,452</b>	<b>1,800,000</b>	<b>4,743,452</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>9,243,452</b>

**FUNDING SCHEDULE**

R8750 Paygo	75,000		75,000						75,000
R3320 State DNR/SWM	900,000	1,000,000	1,900,000	150,000	150,000	150,000	150,000	150,000	2,650,000
R3199 Federal Other	175,000		175,000	350,000	350,000	350,000	350,000	350,000	1,925,000
R7100 Prior Bonds	1,450,000		1,450,000						1,450,000
R8089 Reappropriated Paygo	343,452		343,452						343,452
R7000 Future Bonds		800,000	800,000	400,000	400,000	400,000	400,000	400,000	2,800,000
<b>Total Funds</b>	<b>2,943,452</b>	<b>1,800,000</b>	<b>4,743,452</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>9,243,452</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$82,092  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

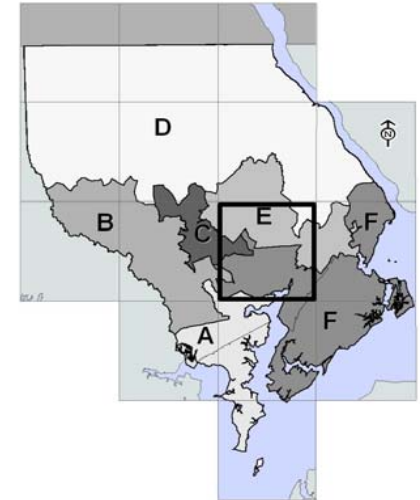
Expended	684,214
Encumbered	18,313
<b>Total</b>	<b>\$702,527</b>

**PROJECT: Riverside Area Watershed Restoration****STORMWATER MANAGEMENT****COUNCIL DISTRICT: F****LOCATION: Riverside****A154103****PROJECT DESCRIPTION / JUSTIFICATION:**

The Declaration Run and adjacent Riverside watersheds are located in Riverside. The headwaters of Declaration Run begin at the intersection of MD Rt. 7 and MD Rt. 543 and discharge near the confluence of Bynum Run with Bush River. The Riverside watershed discharges directly to Bush Creek and includes the Riverside community. This project will fund the restoration projects prioritized through the watershed assessments (2014) that are the most cost effective project to improve water quality. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:**

Northwest Branch Declaration Run Stream Restoration (Design 10% complete)

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	485,886	225,000	710,886	150,000	150,000	150,000	150,000	150,000	1,460,886
Land Acquisition			0						0
Construction	800,000	1,000,000	1,800,000	600,000	600,000	600,000	600,000	600,000	4,800,000
Inspection Fees	125,000	75,000	200,000	125,000	125,000	125,000	125,000	125,000	825,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,410,886</b>	<b>1,300,000</b>	<b>2,710,886</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>7,085,886</b>

**FUNDING SCHEDULE**

R3320 State DNR/SWM	600,000	500,000	1,100,000	475,000	475,000	475,000	475,000	475,000	3,475,000
R3199 Federal Other	75,000		75,000						75,000
R7100 Prior Bonds	520,000		520,000						520,000
R8089 Reappropriated Paygo	215,886		215,886						215,886
R7000 Future Bonds		800,000	800,000	400,000	400,000	400,000	400,000	400,000	2,800,000
<b>Total Funds</b>	<b>1,410,886</b>	<b>1,300,000</b>	<b>2,710,886</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>7,085,886</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$11,980

Annual Operating/Maintenance Cost: N/A

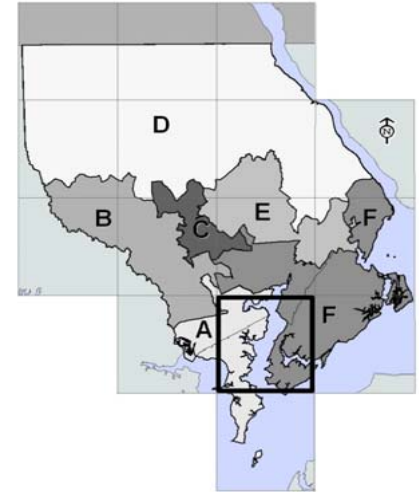
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	68,761
Encumbered	209,570
<b>Total</b>	<b>\$278,331</b>

**PROJECT: Sams Branch Watershed Restoration****STORMWATER MANAGEMENT****COUNCIL DISTRICT: A****LOCATION: Edgewood****A124106****PROJECT DESCRIPTION / JUSTIFICATION:**

The Sams Branch Watershed (370 acres) drains from Edgewood Elementary through the Edgewood Meadows community to Otter Point Creek. An assessment and monitoring plan of the entire watershed (2012) has identified opportunities for restoration. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:**

Willoughby Beach Extended Retrofit and Stream Restoration (Design 95% complete)

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	672,922	150,000	822,922	100,000	100,000	100,000	100,000	100,000	1,322,922
Land Acquisition	0		0						0
Construction	475,000	850,000	1,325,000	250,000	250,000	250,000	250,000	250,000	2,575,000
Inspection Fees	25,000	100,000	125,000	50,000	50,000	50,000	50,000	50,000	375,000
Equipment/Furnishing	0		0						0
<b>Total Cost</b>	<b>1,172,922</b>	<b>1,100,000</b>	<b>2,272,922</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>4,272,922</b>

**FUNDING SCHEDULE**

R8750 Paygo	350,000		350,000						350,000
R7100 Prior Bonds	170,000		170,000						170,000
R3320 State DNR/SWM	450,000	800,000	1,250,000	100,000	100,000	100,000	100,000	100,000	1,750,000
R3199 Federal Other	150,000		150,000						150,000
R8089 Reappropriated Paygo	52,922		52,922						52,922
R7000 Future Bonds		300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000
<b>Total Funds</b>	<b>1,172,922</b>	<b>1,100,000</b>	<b>2,272,922</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>4,272,922</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$10,866  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	298,422
Encumbered	28,624
<b>Total</b>	<b>\$327,046</b>

**PROJECT: Septic System Disconnection****STORMWATER MANAGEMENT****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****A174112****PROJECT DESCRIPTION / JUSTIFICATION:**

As outlined the "Accounting for Stormwater Wasteload Allocations and Impervious Acres Treated", counties can receive watershed restoration credit towards their M4 permit for septic systems that are connected to sanitary sewer. Funding to support these types of activities is limited and provide limited incentive for property owners. In coordination with the Harford County Health Department and Harford County Water and Sewer, the capital account will provide supplemental funding to help implement these types of projects.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Prior bond funding in the amount of \$50,000 has been reallocated to the County Owned Watershed Restoration capital project - A164105.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	50,000	50,000	100,000	50,000	50,000	50,000	50,000	50,000	350,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>50,000</b>	<b>50,000</b>	<b>100,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>350,000</b>

**FUNDING SCHEDULE**

R8750 Special Dedicated Paygo		100,000	100,000	50,000	50,000	50,000	50,000	50,000	350,000
R7100 Prior Bonds	50,000	(50,000)	0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>50,000</b>	<b>50,000</b>	<b>100,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>350,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of 1/5/17

Expended  
 Encumbered  
 Total \$0

**PROJECT: Stormwater Pollution Prevention**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**A124107**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Stormwater pollution prevention addresses water quality impairments at the source before it impacts our waterways. Prevention, while identification of sources of stormwater pollution, education and outreach, coordination, and continuous follow up to ensure program success. This project will be used in the development of a comprehensive stormwater pollution prevention program which is a major component of the County municipal NPDES or MS4 permit and the focus of an audit of our program by EPA.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	576,395	150,000	726,395	150,000	150,000	150,000	150,000	150,000	1,476,395
Land Acquisition			0						0
Construction	130,000		130,000						130,000
Inspection Fees	25,000		25,000						25,000
Equipment/Furnishing			0						0
Total Cost	731,395	150,000	881,395	150,000	150,000	150,000	150,000	150,000	1,631,395

**FUNDING SCHEDULE**

R8750 Paygo	300,000		300,000						300,000
R1515 Recordation Tax	140,000		140,000						140,000
R3320 State DNR/SWM	50,000		50,000						50,000
R8089 Reappropriated Paygo	141,395		141,395						141,395
R8750 Special Dedicated Paygo	100,000	150,000	250,000	150,000	150,000	150,000	150,000	150,000	1,000,000
			0						0
Total Funds	731,395	150,000	881,395	150,000	150,000	150,000	150,000	150,000	1,631,395

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	395,387
Encumbered	55,587
Total	<u>\$450,974</u>

**PROJECT: Upper Bynum Run Watershed Restoration Improvements****STORMWATER MANAGEMENT****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****NEW****PROJECT DESCRIPTION / JUSTIFICATION:**

The Upper Bynum Run Watershed (5,500 acres) begins in Forest Hill near the intersection of Jarrestville Road and MD Route 24. An assessment of the watershed will be completed in the spring 2017 and will provide prioritized recommendations for restoration projects, including stream restorations and stormwater management retrofits that provide the most cost effective improvements to water quality. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		550,000	550,000	500,000	500,000	500,000	500,000	500,000	3,050,000
Land Acquisition			0						0
Construction			0	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000
Inspection Fees			0	300,000	300,000	300,000	300,000	300,000	1,500,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>550,000</b>	<b>550,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>10,550,000</b>

**FUNDING SCHEDULE**

R3320 State DNR/SWM		150,000	150,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,150,000
R7000 Future Bonds		400,000	400,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,400,000
<b>Total Funds</b>	<b>0</b>	<b>550,000</b>	<b>550,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>10,550,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended  
 Encumbered  
 Total \$0

**PROJECT: Watershed Restoration Assessment****STORMWATER MANAGEMENT****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A164106****PROJECT DESCRIPTION / JUSTIFICATION:**

Watershed restoration assessments are management tools used to develop programs to address water quality issues including, but not limited to, the identification of potential water quality improvement projects, evaluation of water quality pollutants and stream flow, the development of water quality models, the creation of watershed management plans, and the estimation of pollutant load reductions. Water quality assessments are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:**

Chemical Monitoring - Plumtree Run, Foster Branch  
 Flow Monitoring - Plumtree, Foster Branch, Bynum Run, Swan Creek, James Run  
 Biological Monitoring - Plumtree Run, Foster Branch  
 Small Watershed Assessments - Mariner Run / Rumsey Island / Upper Bynum Run  
 Basin Watershed Assessments - Winters Run  
 Watershed Restoration Plans (TMDL) - Bynum Run, Chesapeake Bay

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 18 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	3,100,000	800,000	3,900,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	11,900,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,100,000</b>	<b>800,000</b>	<b>3,900,000</b>	<b>1,600,000</b>	<b>1,600,000</b>	<b>1,600,000</b>	<b>1,600,000</b>	<b>1,600,000</b>	<b>11,900,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	2,450,000		2,450,000						2,450,000
R3320 State DNR/SWM	425,000	300,000	725,000	300,000	300,000	300,000	300,000	300,000	2,225,000
R3199 Federal Other	225,000	100,000	325,000	100,000	100,000	100,000	100,000	100,000	825,000
R7000 Future Bonds		400,000	400,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,400,000
<b>Total Funds</b>	<b>3,100,000</b>	<b>800,000</b>	<b>3,900,000</b>	<b>1,600,000</b>	<b>1,600,000</b>	<b>1,600,000</b>	<b>1,600,000</b>	<b>1,600,000</b>	<b>11,900,000</b>

**OPERATING BUDGET IMPACT:**

Financial Activity as of 1/5/17:

Estimated Annual Debt Service Cost: \$123,673  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Expended	684,850
Encumbered	423,639
<b>Total</b>	<b>\$1,108,489</b>

**PROJECT: Watershed Restoration Improvements****STORMWATER MANAGEMENT****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****A164107****PROJECT DESCRIPTION / JUSTIFICATION:**

Watershed restoration/improvement projects are designed and constructed to reduce pollutant loading and improve water quality of the streams and rivers in Harford County. The types of projects include new stormwater management facilities, stormwater retrofits, stream channel restoration and stabilization. This project will be used for design and construction for smaller projects that have not yet been identified. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	295,000	125,000	420,000	125,000	125,000	125,000	125,000	125,000	1,045,000
Land Acquisition			0						0
Construction	660,000	450,000	1,110,000	350,000	350,000	350,000	350,000	350,000	2,860,000
Inspection Fees	95,000	75,000	170,000	75,000	75,000	75,000	75,000	75,000	545,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,050,000</b>	<b>650,000</b>	<b>1,700,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>4,450,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	750,000		750,000						750,000
R7000 Future Bonds		500,000	500,000	400,000	400,000	400,000	400,000	400,000	2,500,000
R3320 State DNR/SWM	225,000	150,000	375,000	150,000	150,000	150,000	150,000	150,000	1,125,000
R3199 Federal Other	75,000		75,000						75,000
			0						0
			0						0
<b>Total Funds</b>	<b>1,050,000</b>	<b>650,000</b>	<b>1,700,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>4,450,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$30,000  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,694
Encumbered	0
<b>Total</b>	<b>\$1,694</b>

**PROJECT: Watershed Restoration Maintenance**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A164108**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the annual maintenance of watershed restoration projects including but not limited to new stormwater retrofit projects and post construction repairs for stream restoration projects.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	160,000	100,000	260,000	100,000	100,000	100,000	100,000	100,000	760,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	160,000	100,000	260,000	100,000	100,000	100,000	100,000	100,000	760,000

**FUNDING SCHEDULE**

R8750 Special Dedicated Paygo		100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000
R7100 Prior Bonds	160,000		160,000						160,000
Total Funds	160,000	100,000	260,000	100,000	100,000	100,000	100,000	100,000	760,000

**OPERATING BUDGET IMPACT:**

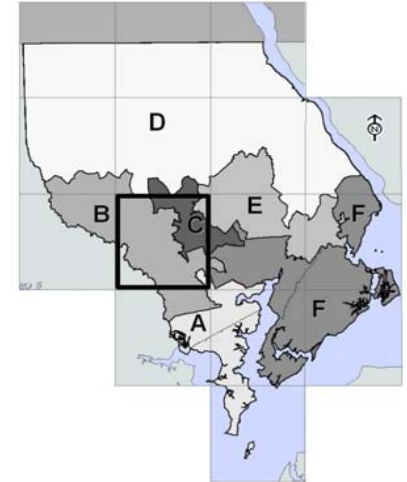
Estimated Annual Debt Service Cost: \$5,953  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	20,766
Encumbered	26,095
Total	<u>\$46,861</u>

**PROJECT: Wheel Creek Watershed Restoration****STORMWATER MANAGEMENT****COUNCIL DISTRICT: B****LOCATION: Bel Air****A104102****PROJECT DESCRIPTION / JUSTIFICATION:**

The Wheel Creek Watershed Assessment prioritized recommendations for restoration projects, including 4 stream restorations and 5 stormwater management retrofit projects that provide the most cost effective improvements to water quality for the 435 acre watershed. From the assessment, a restoration plan was developed which also includes public outreach, and various types of monitoring used to determine plan effectiveness. The restoration plan was used to successfully apply for grant funding through the MD Department of Natural Resources Trust Funds. Engineering/design includes funds for outreach and monitoring, which are required and covered through the grant. Monitoring in this watershed is also being used to meet requirements under the municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:**

Lower Wheel Creek Stream Restoration (Under construction)  
Country Walk Pond 1B Retrofit (Construction NTP Dec 2016)

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	2,109,607	150,000	2,259,607	150,000	150,000	150,000			2,709,607
Land Acquisition			0						0
Construction	3,715,000		3,715,000						3,715,000
Inspection Fees	715,000		715,000						715,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>6,539,607</b>	<b>150,000</b>	<b>6,689,607</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>7,139,607</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,267,818		1,267,818						1,267,818
R7100 Prior Bonds	1,000,000		1,000,000						1,000,000
R3320 State DNR/SWM	2,882,016		2,882,016						2,882,016
R3199 Federal Other	542,984		542,984						542,984
R6340 Corporate/Business	59,600		59,600						59,600
R8089 Reappropriated Paygo	721,789		721,789						721,789
R6999 Other	65,400		65,400						65,400
R7000 Future Bonds		150,000	150,000	150,000	150,000	150,000			600,000
<b>Total Funds</b>	<b>6,539,607</b>	<b>150,000</b>	<b>6,689,607</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>7,139,607</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$60,000  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	4,423,705
Encumbered	1,404,185
<b>Total</b>	<b>\$5,827,890</b>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Lilly Run Watershed Restoration****STORMWATER MANAGEMENT****COUNCIL DISTRICT: F****LOCATION: Havre de Grace****A134109****PROJECT DESCRIPTION / JUSTIFICATION:**

The Lily Run watershed is 977 acres located within the County and City of Havre de Grace. The headwaters begin in the unincorporated lands outside of the City and discharge into the Susquehanna River approximately one mile north of the confluence with the Chesapeake Bay. The project includes the design, engineering, and construction of 3,000 feet of stormwater management and flood control; and is a priority project within Harford County's Watershed Implementation Plan. The project will also include streambank restoration, wetland creation, public education and recreational facilities. Water quality assessments and projects are required under the County's municipal NPDES or MS4 permit through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:****PROJECT STATUS:**

A memorandum of understanding between the City and the County has been finalized

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design	725,000		725,000						725,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>725,000</b>	<b>0</b>	<b>725,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>725,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	150,000		150,000						150,000
R3399 State Other	75,000		75,000						75,000
R6999 Other	500,000		500,000						500,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>725,000</b>	<b>0</b>	<b>725,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>725,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	65
Encumbered	0
<b>Total</b>	<b>\$65</b>

**PROJECT: Stormwater Enhancement**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A064114**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Funding for the project will provide for the retrofit of stormwater management facilities and/or the construction of stream restoration projects to provide for water quality and habitat enhancement. Projects may be undertaken by the County utilizing a portion of the funding from the owner or may supplement work being completed by owners by providing grant funding. In addition, water quality and habitat enhancement projects may be accomplished in conjunction with new developments by utilizing and supplementing stormwater management fee-in-lieu payments deposited by developers.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	165,000		165,000						165,000
Land Acquisition			0						0
Construction	650,000		650,000						650,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	815,000	0	815,000	0	0	0	0	0	815,000

**FUNDING SCHEDULE**

R8750 Paygo	65,000		65,000						65,000
R6999 Other	280,000		280,000						280,000
R6340 Corporate/Business	470,000		470,000						470,000
			0						0
			0						0
			0						0
Total Funds	815,000	0	815,000	0	0	0	0	0	815,000

**OPERATING BUDGET IMPACT:**

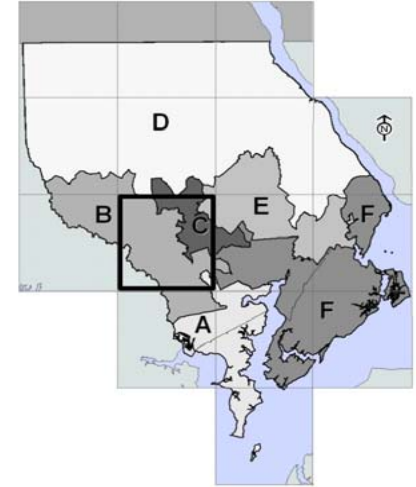
Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	616,151
Encumbered	60,096
Total	<u>\$676,247</u>

**PROJECT: Sunnyview Stream Restoration****STORMWATER MANAGEMENT****COUNCIL DISTRICT: C****LOCATION: Bel Air****A084107****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the design and construction of a stream restoration on Farnandis Branch, a tributary of Bynum Run. Approximately 2,220 feet of stream will be restored as a result of this project. The project is located east of the Town of Bel Air within the Glenwood Garth community. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Design is 75% complete, plats have been completed. Easements pending.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	310,000		310,000						310,000
Land Acquisition	845,000		845,000						845,000
Construction	637,220		637,220						637,220
Inspection Fees	200,000		200,000						200,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,992,220</b>	<b>0</b>	<b>1,992,220</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,992,220</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	700,000		700,000						700,000
R3320 State DNR/SWM	1,025,000		1,025,000						1,025,000
R8089 Reappropriated Paygo	267,220		267,220						267,220
			0						0
<b>Total Funds</b>	<b>1,992,220</b>	<b>0</b>	<b>1,992,220</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,992,220</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$39,998  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	260,229
Encumbered	0
<b>Total</b>	<b>\$260,229</b>

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>PUBLIC SAFETY</b>								
<b><u>FY 18 Funded Projects:</u></b>								
Mobile/Portable Radio Upgrades	150,000	0	150,000	0	0	0	0	0
911 State Fee Fund	700,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Public Safety Communication in School Buildings	1,050,000	450,000	100,000	100,000	100,000	100,000	100,000	100,000
SCBA Replacement	2,000,000	500,000	250,000	250,000	250,000	250,000	250,000	250,000
VFC Facility Repair	3,100,000	700,000	400,000	400,000	400,000	400,000	400,000	400,000
Whiteford VFC - Renovation of Main Station	700,000	0	350,000	350,000	0	0	0	0
<b><u>Open Projects:</u></b>								
Bel Air Substation at Patterson Mill	2,868,400	2,868,400	0	0	0	0	0	0
Computer Equipments/Networks	2,241,742	2,241,742	0	0	0	0	0	0
Fire, EMS, and Law Enforcement CAD	2,450,000	2,450,000	0	0	0	0	0	0
Joppa Magnolia Fire Station Expansion	700,000	700,000	0	0	0	0	0	0
New Emergency Operations Center Complex	43,294,525	43,294,525	0	0	0	0	0	0
Norrisville Station	875,000	875,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equipment	21,693,992	21,693,992	0	0	0	0	0	0
TRT Equipment	160,000	160,000	0	0	0	0	0	0
<b>Sheriff/Emergency/Fire Total by Project</b>	<b>81,983,659</b>	<b>76,033,659</b>	<b>1,350,000</b>	<b>1,200,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>
<b>Paygo</b>	<b>18,209,650</b>	<b>12,859,650</b>	<b>1,250,000</b>	<b>1,100,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>
<b>Future Bonds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Prior Bonds</b>	<b>55,861,500</b>	<b>55,861,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Reappropriated</b>	<b>362,500</b>	<b>362,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>State</b>	<b>2,998,580</b>	<b>2,398,580</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b>Federal</b>	<b>3,270,412</b>	<b>3,270,412</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Other</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Lease Purchase</b>	<b>981,017</b>	<b>981,017</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Sheriff / Emergency / Fire Total by Fund</b>	<b>81,983,659</b>	<b>76,033,659</b>	<b>1,350,000</b>	<b>1,200,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

GENERAL FUND

PUBLIC SAFETY													
911 State Fee Fund	100,000	0	0	0	0	0	0	0	100,000	0	0	0	0
Mobile/Portable Radio Upgrades	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Public Safety Communication in School Buildings	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
SCBA Replacement	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
VFC Facility Repair	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
Whiteford VFC - Renovation of Main Station	350,000	0	350,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL PUBLIC SAFETY</b>	<b>1,350,000</b>	<b>0</b>	<b>1,250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT: Mobile/Portable Radio Upgrades****EMERGENCY SERVICES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide continued support for the countywide radio system. The system provides radio service for all county law enforcement, public safety, and public service entities. Funding is needed to provide replacement radios, radios for new vehicles, and radios for new hires, along with accessories. Enhancements to the system may also be necessary to ensure we are compliant with mandated federal regulations.

**PROJECT SCHEDULE:**

FY 18 - purchase 14 radios and accessories to have in stock for emergency replacements (\$150,000)

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		150,000	150,000						150,000
<b>Total Cost</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		150,000	150,000						150,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$1,516,808  
 Annual Operating/Maintenance Cost: \$200,000  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	20,970,895
Encumbered	582,797
<b>Total</b>	<b>\$21,553,692</b>

**PROJECT: 911 State Fee Fund**

**EMERGENCY SERVICES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**E164118**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides appropriation authority to accept State funds derived from twenty-five cent charges of 911 calls. This funding is given as reimbursement for applicable items or services that are approved by the 911 board.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	200,000	100,000	300,000	100,000	100,000	100,000	100,000	100,000	800,000
Total Cost	200,000	100,000	300,000	100,000	100,000	100,000	100,000	100,000	800,000

**FUNDING SCHEDULE**

R3399 State Other	200,000	100,000	300,000	100,000	100,000	100,000	100,000	100,000	800,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	200,000	100,000	300,000	100,000	100,000	100,000	100,000	100,000	800,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Public Safety Communication in School Buildings****EMERGENCY SERVICES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****E134108****PROJECT DESCRIPTION / JUSTIFICATION:**

School Resource Officers (SRO's) have discovered many areas within the middle and high schools that have poor radio coverage. This project will allow us to purchase and install bi-directional amplifiers (BDA's) in the schools that will greatly improve radio coverage for public safety personnel.

**PROJECT SCHEDULE:**

Project will remain open until all schools are adequately equipped with BDA's.  
Each BDA costs approximately \$43,000.

**PROJECT STATUS:**

BDA's have been installed in all Harford County high schools.  
Remaining schools will be scheduled to have the equipment installed.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	450,000	100,000	550,000	100,000	100,000	100,000	100,000	100,000	1,050,000
<b>Total Cost</b>	<b>450,000</b>	<b>100,000</b>	<b>550,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,050,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	450,000	100,000	550,000	100,000	100,000	100,000	100,000	100,000	1,050,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>450,000</b>	<b>100,000</b>	<b>550,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,050,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	145,826
Encumbered	0
<b>Total</b>	<b>\$145,826</b>

**PROJECT: SCBA Replacement****EMERGENCY SERVICES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****E174103****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to purchase and replace aging self-contained breathing apparatus (SCBA's), which allow responders to access hazardous and smoke filled atmospheres, for the Vol. Fire Co.'s and DES Special Operations teams (hazmat/TRT). The compressed air tank component of this equipment has a NFPA standard shelf life of 15 years. The air pack component also needs to be replaced due to wear and tear. The VFC's currently have approximately 594 air packs and 1,191 air tanks. Special Operations currently has 18 air packs and 40 air tanks. One air pack costs approximately \$5,100 and one air tank costs approximately \$950. 2 air tanks are required for each air pack. Continuous funding in this account allows for replacement of this equipment at the various locations as necessary.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	500,000	250,000	750,000	250,000	250,000	250,000	250,000	250,000	2,000,000
<b>Total Cost</b>	<b>500,000</b>	<b>250,000</b>	<b>750,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>2,000,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	250,000	250,000	500,000	250,000	250,000	250,000	250,000	250,000	1,750,000
R6999 Other	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>500,000</b>	<b>250,000</b>	<b>750,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>2,000,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: VFC Facility Repair**

**VOLUNTEER FIRE COMPANIES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**E154104**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funds for the facility repair/renovation costs for existing stations to be determined/approved by the Harford County Volunteer Fire and EMS Association for systemic repairs, roofs, paving, HVAC and other minor renovations.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	700,000	400,000	1,100,000	400,000	400,000	400,000	400,000	400,000	3,100,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	700,000	400,000	1,100,000	400,000	400,000	400,000	400,000	400,000	3,100,000

**FUNDING SCHEDULE**

R8750 Paygo	700,000	400,000	1,100,000	400,000	400,000	400,000	400,000	400,000	3,100,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	700,000	400,000	1,100,000	400,000	400,000	400,000	400,000	400,000	3,100,000

**OPERATING BUDGET IMPACT:**

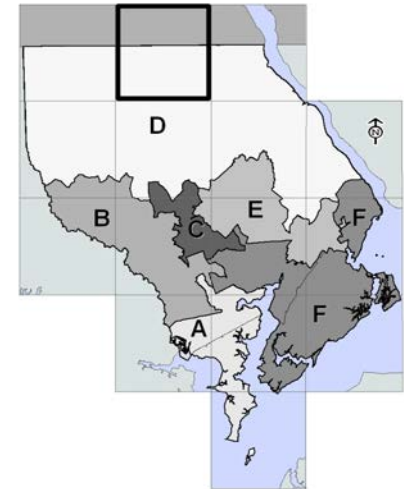
Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 3/1/15:**

Expended	29,377
Encumbered	0
Total	<u>\$29,377</u>

**PROJECT: Whiteford VFC - Renovation of Main Station****VOLUNTEER FIRE COMPANIES****COUNCIL DISTRICT: D****LOCATION: Whiteford****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to renovation/expand the existing administrative wing, expanding the footprint of the building out from the current wall by about 25' and then adding a second story to the entire wing which will accommodate bunk room space, storage, work out room, personal lockers, training, dayroom, recreation area, improve the overall building flow and replace or upgrade existing deficient HVAC.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		350,000	350,000	350,000					700,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		350,000	350,000	350,000					700,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

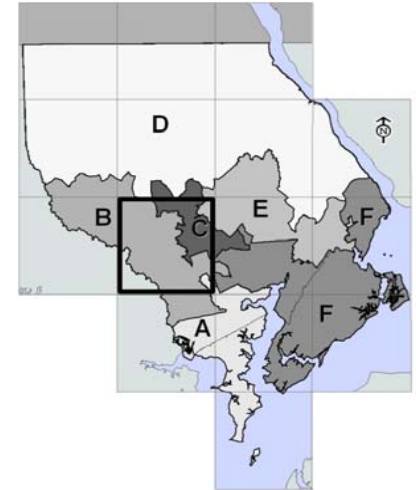
**Financial Activity as of 2/1/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Bel Air Substation at Patterson Mill****VOLUNTEER FIRE COMPANIES****COUNCIL DISTRICT: C****LOCATION: Emmorton****E094111****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for full funding of a new substation at Patterson Mill.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	140,400		140,400						140,400
Land Acquisition			0						0
Construction	2,555,100		2,555,100						2,555,100
Inspection Fees	81,900		81,900						81,900
Equipment/Furnishing	91,000		91,000						91,000
<b>Total Cost</b>	<b>2,868,400</b>	<b>0</b>	<b>2,868,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,868,400</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,868,400		2,868,400						2,868,400
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,868,400</b>	<b>0</b>	<b>2,868,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,868,400</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended 2,868,400

Encumbered

Total \$2,868,400

**PROJECT: Computer Equipment/Networks****SHERIFF'S OFFICE****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****E054106****PROJECT DESCRIPTION / JUSTIFICATION:**

This request addresses the refreshment and replacement of agency computer and network equipment. In order to support public safety operations, it is necessary to refresh hardware to support current and future applications and critical applications utilized by the Harford County Sheriff's Office personnel. Reliable technology, current software, and up-to-date hardware all contribute to maximum employee productivity and reduce the need for repair, labor, and unnecessary support issues.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Windows 7 is fully deployed; Exchange upgrade is underway; RMS upgrade is projected for 2017Q1; O365 deployment is being researched; we recently completed a significant storage upgrade.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,241,742		2,241,742						2,241,742
<b>Total Cost</b>	<b>2,241,742</b>	<b>0</b>	<b>2,241,742</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,241,742</b>

**FUNDING SCHEDULE**

R7160 Lease Purchase	481,017		481,017						481,017
R8770 Reappropriated	362,500		362,500						362,500
R8750 Paygo	1,398,225		1,398,225						1,398,225
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,241,742</b>	<b>0</b>	<b>2,241,742</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,241,742</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,091,226
Encumbered	500
<b>Total</b>	<b><u>\$2,091,726</u></b>

**PROJECT: Fire, EMS, and Law Enforcement CAD**

**EMERGENCY SERVICES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**E014113**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided for the purchase of a new Fire, EMS, and Law Enforcement Computer Aided Dispatch (CAD) system. The project is almost complete and remaining integrations are being finalized.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,450,000		2,450,000						2,450,000
Total Cost	2,450,000	0	2,450,000	0	0	0	0	0	2,450,000

**FUNDING SCHEDULE**

R7100 Prior Bonds	400,000		400,000						400,000
R7160 Lease Purchase	500,000		500,000						500,000
R8750 Paygo	1,550,000		1,550,000						1,550,000
			0						0
			0						0
			0						0
Total Funds	2,450,000	0	2,450,000	0	0	0	0	0	2,450,000

**OPERATING BUDGET IMPACT:**

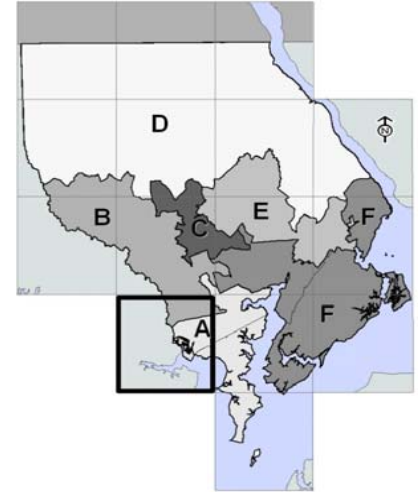
Estimated Annual Debt Service Cost: \$13,578  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	2,450,000
Encumbered	0
Total	<u>\$2,450,000</u>

**PROJECT: Joppa Magnolia Fire Station Expansion****VOLUNTEER FIRE COMPANIES****COUNCIL DISTRICT: B****LOCATION: Joppa****E144105****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for the expansion and renovation of the Joppa Magnolia Volunteer Fire Station. Work is to include expanding the existing building to a two story building that will house new storage areas, training rooms, and bunk areas.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	700,000		700,000						700,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>700,000</b>	<b>0</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	700,000		700,000						700,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>700,000</b>	<b>0</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/16:**

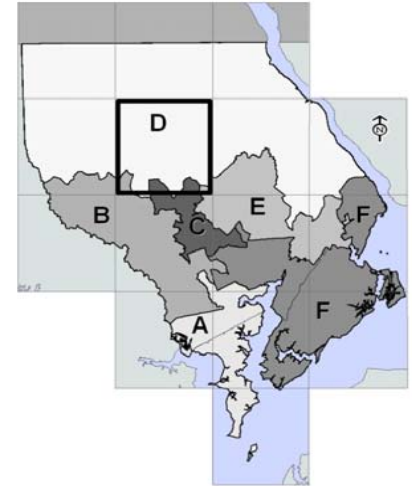
Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: New Emergency Operations Center Complex****EMERGENCY SERVICES****COUNCIL DISTRICT: D****LOCATION: Hickory****E074110****PROJECT DESCRIPTION / JUSTIFICATION:**

A feasibility study was completed to determine expansion and upgrade requirements for a new Emergency Operations Center.

Phase I of this project was completed in FY15. It includes new Emergency Operations and Dispatch centers, a County training facility, and office space for the Dept. of Emergency Services staff and the Dept. of Information Communication and Technology staff.

Design for phase II has been completed however construction has been put on hold. The plans include accommodations for the DES Special Operations branch (Hazmat team and Technical Rescue team), a radio shop and EMS.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	2,363,281		2,363,281						2,363,281
Land Acquisition			0						0
Construction	36,431,244		36,431,244						36,431,244
Inspection Fees	100,000		100,000						100,000
Equipment/Furnishing	4,400,000		4,400,000						4,400,000
<b>Total Cost</b>	<b>43,294,525</b>	<b>0</b>	<b>43,294,525</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43,294,525</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	38,461,500		38,461,500						38,461,500
R8750 Paygo	283,025		283,025						283,025
R6340 Corporate/Business	50,000		50,000						50,000
R3399 State Other	2,298,000		2,298,000						2,298,000
R3199 Federal Other	2,202,000		2,202,000						2,202,000
<b>Total Funds</b>	<b>43,294,525</b>	<b>0</b>	<b>43,294,525</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43,294,525</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$3,650,149

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	33,903,088
Encumbered	596,643
<b>Total</b>	<b>\$34,499,731</b>

**PROJECT: Norrisville Station**

**VOLUNTEER FIRE COMPANIES**

**COUNCIL DISTRICT: D**

**LOCATION: Norrisville**

**E124110**

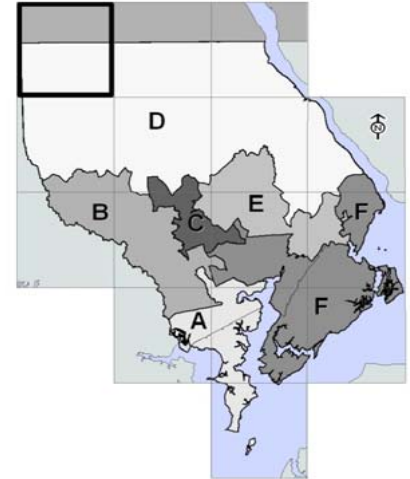
**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for the renovation of the fire station at Norrisville. The "old" section that has not been renovated houses administrative areas, bunk areas, bathrooms, classrooms, storage, and other pertinent areas.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project can be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	875,000		875,000						875,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	875,000	0	875,000	0	0	0	0	0	875,000

**FUNDING SCHEDULE**

R8750 Paygo	875,000		875,000						875,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	875,000	0	875,000	0	0	0	0	0	875,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	875,000
Encumbered	0
Total	<u>\$875,000</u>

**PROJECT: 700 MHz Wireless Radio System Equipment****EMERGENCY SERVICES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****E094110****PROJECT DESCRIPTION / JUSTIFICATION:**

Funding to upgrade sites and equipment to accommodate the merge of the 700 and 800 MHz channels and to comply with APCO P-25 technology standards. These upgrades are needed in order to ensure interoperability with surrounding jurisdictions and the regional radio systems. This is a federally mandated project. Each mobile radio costs approximately \$5,000 and each portable radio costs approximately \$7,000 each.

**PROJECT SCHEDULE:**

FY 18: additional public safety radios for stock (new hires/replacements)

FY 19: additional public service radios (previously upgraded) to complete county-wide radio replacement

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	21,693,992		21,693,992						21,693,992
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>21,693,992</b>	<b>0</b>	<b>21,693,992</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,693,992</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	17,000,000		17,000,000						17,000,000
R8750 Paygo	3,625,000		3,625,000						3,625,000
R3199 Federal Other	1,068,412		1,068,412						1,068,412
R3399 State Other	580		580						580
			0						0
			0						0
<b>Total Funds</b>	<b>21,693,992</b>	<b>0</b>	<b>21,693,992</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,693,992</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$1,516,808  
 Annual Operating/Maintenance Cost: \$200,000  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	20,970,895
Encumbered	582,797
<b>Total</b>	<b>\$21,553,692</b>

**PROJECT: TRT Equipment**

**EMERGENCY SERVICES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**E144135**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project was created to provide funding to purchase equipment for the newly organized Technical Response Team (TRT) and to have funding available if equipment is destroyed during a rescue event. This funding was previously budgeted in the VFC Association's yearly allocation.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This is an on-going project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	160,000		160,000						160,000
Total Cost	160,000	0	160,000	0	0	0	0	0	160,000

**FUNDING SCHEDULE**

R8750 Paygo	160,000		160,000						160,000
			0						0
			0						0
			0						0
Total Funds	160,000	0	160,000	0	0	0	0	0	160,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	54,220
Encumbered	0
Total	<u>\$54,220</u>



## Harford County Government

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				
					FY 2020	FY 2021	FY 2022	FY 2023	

GENERAL FUND

HARFORD COMMUNITY COLLEGE

**FY 18 Funded Projects:**

Fallston Hall Renovation	7,137,880	0	586,880	5,851,000	700,000	0	0	0
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**Open Projects:**

Edgewood Hall Renovation/Expansion	8,632,000	8,632,000	0	0	0	0	0	0
New Nursing & Allied Health	19,781,467	19,781,467	0	0	0	0	0	0

College Total by Project	35,551,347	28,413,467	586,880	5,851,000	700,000	0	0	0
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Paygo	0	0	0	0	0	0	0	0
Future Bonds	3,370,072	0	278,000	2,761,672	330,400	0	0	0
Prior Bonds	11,663,000	11,663,000	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
State	20,518,275	16,750,467	308,880	3,089,328	369,600	0	0	0
Other	0	0						

College Total by Fund	35,551,347	28,413,467	586,880	5,851,000	700,000	0	0	0
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FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

GENERAL FUND

HARFORD COMMUNITY COLLEGE

Fallston Hall Renovations	586,880	0	0	0	278,000	0	0	0	308,880	0	0	0	0
SUB-TOTAL HARFORD COMMUNITY COLLEGE	586,880	0	0	0	278,000	0	0	0	308,880	0	0	0	0

**PROJECT: Fallston Hall Renovations****HARFORD COMMUNITY COLLEGE****COUNCIL DISTRICT: E****LOCATION: Churchville****New****PROJECT DESCRIPTION / JUSTIFICATION:**

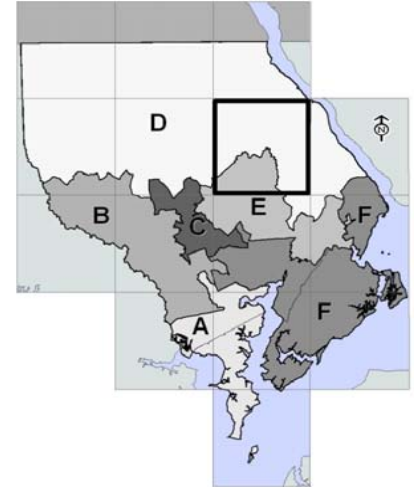
Capital renovation of the 24,728 GSF classroom building. The project will include updating of the building's life safety systems; HVAC replacements to include chiller, boiler and ATC system; upgrade of the building's elevator, lighting and plumbing systems; updating building telecommunications and classroom technology; and interior architectural changes to meet the evolving needs of the users.

**PROJECT SCHEDULE:**

FY 18: Design

FY 19: Construction

FY 20: Equipping

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		586,880	586,880						586,880
Land Acquisition			0						0
Construction			0	5,851,000					5,851,000
Inspection Fees			0						0
Equipment/Furnishing			0		700,000				700,000
<b>Total Cost</b>	<b>0</b>	<b>586,880</b>	<b>586,880</b>	<b>5,851,000</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,137,880</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		278,000	278,000	2,761,672	330,400				3,370,072
R7920 State Bonds		308,880	308,880	3,089,328	369,600				3,767,808
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>586,880</b>	<b>586,880</b>	<b>5,851,000</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,137,880</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

Expended

Encumbered

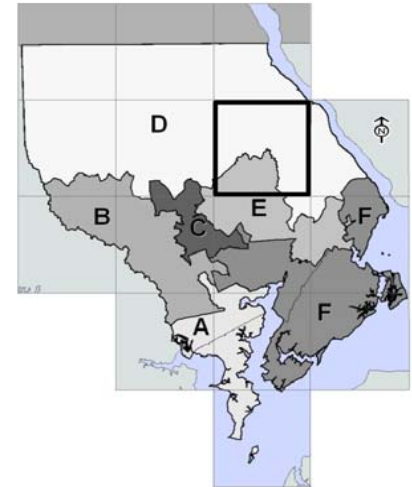
Total \$0

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Edgewood Hall Renovation & Expansion****HARFORD COMMUNITY COLLEGE****COUNCIL DISTRICT: E****LOCATION: Churchville****C144106****PROJECT DESCRIPTION / JUSTIFICATION:**

This project has been moved up on the Facilities Master Plan due to systemic problems. The project will consist of a major renovation to solve these problems and add two small additions to meet programmatic needs resulting in a building that will serve the College's needs for the next 25 years. The two most critical systemic issues are the roofing and the HVAC systems. The seamed metal roof is rusting where it meets the concealed drain. A major leak caused collapsing ceiling tiles during severe weather. The two pipe HVAC system needs to be replaced with a four pipe system and wall units replaced with VAV boxes. During renovation sinks will be added in critical classrooms, flooring, paint, ceiling tiles, and bathroom fixtures will be replaced. Expansion will add two new multipurpose labs, a computer classroom, a small office addition, and a telecomm closet.

Per Bill No. 15-037 transfer \$3,500,000 in Prior Bonds appropriation authority from the General Capital Project - Harford County Southern Resource Annex to the Harford Community College Capital Project - Edgewood Hall Renovation & Expansion.

**PROJECT SCHEDULE:**

FY 14: Design

FY 15: Construction

FY 16: Equipping

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	632,000		632,000						632,000
Land Acquisition			0						0
Construction	8,000,000		8,000,000						8,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>8,632,000</b>	<b>0</b>	<b>8,632,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,632,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	3,772,000		3,772,000						3,772,000
R7920 State Bonds	4,860,000		4,860,000						4,860,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>8,632,000</b>	<b>0</b>	<b>8,632,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,632,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$374,260

Annual Operating/Maintenance Cost: N/A

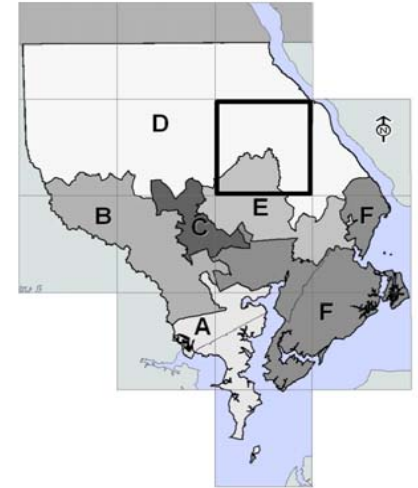
New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	3,171,788
Encumbered	0
<b>Total</b>	<b><u>\$3,171,788</u></b>

**PROJECT: New Nursing and Allied Health Building****HARFORD COMMUNITY COLLEGE****COUNCIL DISTRICT: E****LOCATION: Churchville****C124113****PROJECT DESCRIPTION / JUSTIFICATION:**

New facility to provide adequate classroom and laboratory teaching space for current and future expansion of existing credit and non-credit nursing and allied health programs. The project will also support the office needs of the faculty, administrative, and support staff who serve these programs. Estimated size is 37,500 GSF and is planned to be located on the main campus. Collaboration with Upper Chesapeake Health Systems is encouraged. The college currently supports five nursing and allied health labs; three primarily dedicated to credit programs and two primarily dedicated to non-credit programs. Data and experience indicate that increasing the number of training labs to ten will allow the College to eventually double the number of yearly graduates as RN nurses, medical assistants, and other healthcare professionals. The building will also contain 15 additional faculty offices. FY 16 funding is to construct a right turn lane on Route 22 on Thomas Run Road and construct a right turn lane on Thomas Run Road at entrance two. This work is required by State Highway Administration and Harford County due to increased traffic associated with Darlington Hall, the Susquehanna Center and the Arena.

**PROJECT SCHEDULE:**

FY 16: Construction of right turn lanes

**PROJECT STATUS:**

Design is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,090,492		1,090,492						1,090,492
Land Acquisition			0						0
Construction	16,790,975		16,790,975						16,790,975
Inspection Fees			0						0
Equipment/Furnishing	1,900,000		1,900,000						1,900,000
<b>Total Cost</b>	<b>19,781,467</b>	<b>0</b>	<b>19,781,467</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,781,467</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	7,891,000		7,891,000						7,891,000
R7920 State Bonds	11,890,467		11,890,467						11,890,467
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>19,781,467</b>	<b>0</b>	<b>19,781,467</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,781,467</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$669,662  
 Annual Operating/Maintenance Cost: \$43,560  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/17:**

Expended	7,891,000
Encumbered	0
<b>Total</b>	<b>\$7,891,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				FY 2023
					FY 2020	FY 2021	FY 2022		

GENERAL FUND

LIBRARIES

**FY 18 Funded Projects:**

Aberdeen Branch - Expansion	46,360	56,000	(9,640)	0	0	0	0	0
Technology	1,759,100	559,100	200,000	200,000	200,000	200,000	200,000	200,000

**Open Projects:**

Darlington Branch - Expansion	56,000	56,000	0	0	0	0	0	0
HdG Branch Expansion	9,020,000	9,020,000	0	0	0	0	0	0
Joppa Branch - Central Dehumidification	100,000	100,000	0	0	0	0	0	0
Whiteford Expansion	4,238,200	4,238,200	0	0	0	0	0	0

Libraries Total by Project	15,219,660	14,029,300	190,360	200,000	200,000	200,000	200,000	200,000
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Paygo	2,216,260	1,025,900	190,360	200,000	200,000	200,000	200,000	200,000
Prior Paygo		0	0	0	0	0	0	0
Future Bonds	0	0	0	0	0	0	0	0
Prior Bonds	10,703,400	10,703,400	0	0	0	0	0	0
State	1,000,000	1,000,000	0	0	0	0	0	0
Federal	400,000	400,000	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
Other	900,000	900,000	0	0	0	0	0	0

Libraries Total by Fund	15,219,660	14,029,300	190,360	200,000	200,000	200,000	200,000	200,000
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FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

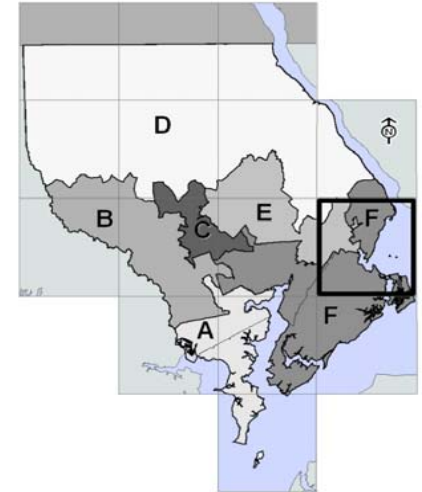
GENERAL FUND

LIBRARIES

Aberdeen Branch - Expansion	(9,640)	(9,640)	0	0	0	0	0	0	0	0	0	0	0
Technology	200,000	9,640	190,360										
SUB-TOTAL LIBRARIES	190,360	0	190,360	0	0	0	0	0	0	0	0	0	0

**PROJECT: Aberdeen Branch - Expansion****LIBRARIES****COUNCIL DISTRICT: E****LOCATION: Aberdeen****L124115****PROJECT DESCRIPTION / JUSTIFICATION:**

Customer demands are exceeding the branch's capacity due to its close proximity with APG. A feasibility study has been completed as of September, 2015 to help determine the nature and extent of the expansion. Presently, HCPL desires to expand this facility by 2,500 sf, add a science learning center of 2,500 sf geared to elementary and middle school students, and increase parking resources. The science center's goal will be to nurture the scientific interests of young children to complement the STEM initiatives being undertaken in HCPS, in the Chesapeake Science and Security Corridor, and by other groups. The branch will also house an early literacy learning area (2,500 sf). Total projected square footage is 21,700. The Equipment/Furnishings line item in FY 2020 consists of \$1,085,000 for furniture and shelving, and \$868,000 for additional collection materials. Land acquisition costs, if any, are excluded from the cost estimates below.

**PROJECT SCHEDULE:**

FY 2015: Feasibility Study

FY 2019: Design

FY 2020: Construction

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program. Remaining funds in the amount of \$9,640 will be reallocated to the Technology capital project - L124118.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	56,000	(9,640)	46,360						46,360
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>56,000</b>	<b>(9,640)</b>	<b>46,360</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46,360</b>

**FUNDING SCHEDULE**

R8750 Paygo	56,000		56,000						56,000
R8750 Prior Paygo		(9,640)	(9,640)						(9,640)
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>56,000</b>	<b>(9,640)</b>	<b>46,360</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46,360</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	46,360
Encumbered	0
<b>Total</b>	<b>\$46,360</b>

**PROJECT: Technology**

**LIBRARIES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**L124118**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The FY 2018 budget request and the five year capital program provides for replacing public and staff computers for the branches and the administrative office, primarily on a four-year cycle. Additionally, the Library is requesting network infrastructure replacement and upgrades (i.e. port switches, routers, servers, cabling, storage racks) for Aberdeen in FY 2020 and for Darlington in FY 2021.

**PROJECT SCHEDULE:**

Ongoing



**PROJECT STATUS:**

Prior Paygo funds in the amount of \$9,640 has been reallocated from the Aberdeen Expansion capital project - L124115.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	559,100	200,000	759,100	200,000	200,000	200,000	200,000	200,000	1,759,100
Total Cost	559,100	200,000	759,100	200,000	200,000	200,000	200,000	200,000	1,759,100

**FUNDING SCHEDULE**

R8750 Paygo	559,100	190,360	749,460	200,000	200,000	200,000	200,000	200,000	1,749,460
R8750 Prior Paygo		9,640	9,640						9,640
			0						0
			0						0
			0						0
			0						0
Total Funds	559,100	200,000	759,100	200,000	200,000	200,000	200,000	200,000	1,759,100

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

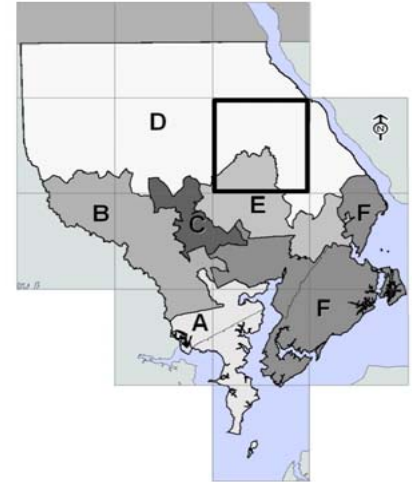
**Financial Activity as of 1/5/17:**

Expended	481,748
Encumbered	0
Total	<u>\$481,748</u>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Darlington Branch - Expansion****LIBRARIES****COUNCIL DISTRICT: D****LOCATION: Darlington****L124116****PROJECT DESCRIPTION / JUSTIFICATION:**

The Darlington Branch operates out of a modular facility (approximately 1,400 square feet) which is very cramped and undersized. A feasibility study has been completed as of September 2015 to determine the nature and extent of the expansion. The feasibility study will also provide evaluation and assessment to determine if a joint use facility is best suited for this area. A model size facility totaling 15,909 square feet is currently being used as a basis for estimating design and construction costs. Accordingly, design funds totaling \$628,406 are requested in FY 2020 and construction funds totaling \$6,284,055 are requested in FY 2021. The Equipment/Furnishings line item in FY 2021 consists of \$800,000 for furniture and shelving, and \$650,000 for additional collection materials. Land acquisition costs, if any, are excluded from the cost estimates below.

**PROJECT SCHEDULE:**

FY 2015: Feasibility Study

FY 2020: Design

FY 2021: Construction

**PROJECT STATUS:**

Ongoing: \$56,000 has been appropriated in FY 2012 for a feasibility study to help determine the extent and location of the expansion, the size of the materials collection, the parking resources required, etc.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	56,000		56,000						56,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>56,000</b>	<b>0</b>	<b>56,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	56,000		56,000						56,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>56,000</b>	<b>0</b>	<b>56,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

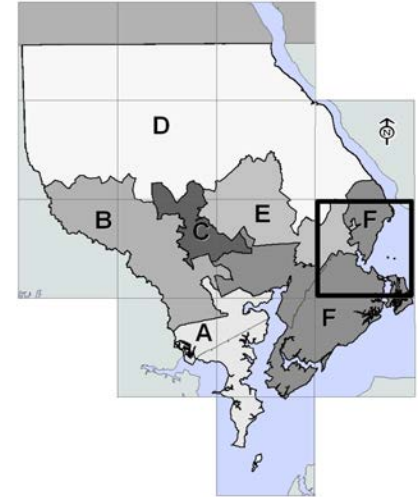
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	33,845
Encumbered	0
<b>Total</b>	<b><u>\$33,845</u></b>

**PROJECT: Havre de Grace Expansion****LIBRARIES****COUNCIL DISTRICT: F****LOCATION: Havre de Grace****L124117****PROJECT DESCRIPTION / JUSTIFICATION:**

A feasibility study was completed in February 2009. The related report indicated the Branch is undersized and cramped. The consultant recommended expanding the Branch from 8,420 square feet to approximately 15,000 square feet. Feasibility (\$52,000) and design (\$535,000) funds totaling \$587,000 was appropriated in prior years. Construction funding, inspection fees, and equipment/furnishing funds totaling \$7,185,000 were appropriated in FY 15. Equipment and furnishing consists of \$750,000 for furniture/shelving and \$600,000 for additional collection materials.

**PROJECT SCHEDULE:**

FY 09: Feasibility study

FY14: Design

FY15- FY 16: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2017 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design	535,000		535,000						535,000
Land Acquisition			0						0
Construction	5,548,631		5,548,631						5,548,631
Inspection Fees	286,369		286,369						286,369
Equipment/Furnishing	2,650,000		2,650,000						2,650,000
<b>Total Cost</b>	<b>9,020,000</b>	<b>0</b>	<b>9,020,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,020,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	6,720,000		6,720,000						6,720,000
R3199 Federal Other - CDBG	400,000		400,000						400,000
R6999 Other - Library	300,000		300,000						300,000
R3399 State Other	1,000,000		1,000,000						1,000,000
R6320 Contributions & Donations	600,000		600,000						600,000
			0						0
<b>Total Funds</b>	<b>9,020,000</b>	<b>0</b>	<b>9,020,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,020,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$629,162

Annual Operating/Maintenance Cost: \$307,520; approximately 6 months beginning in FY 16 (\$153,760), and a full year beginning in FY 17 (\$307,520)

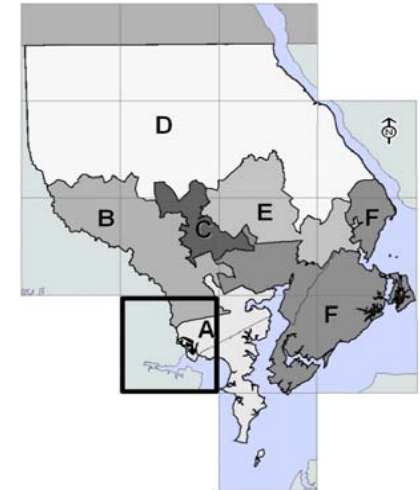
New Positions (FTE's): 5, beginning in FY 16

**Financial Activity as of 1/5/17:**

Expended	8,623,397
Encumbered	157,590
<b>Total</b>	<b><u>\$8,780,987</u></b>

**PROJECT: Joppa Branch - Centralized Dehumidification****LIBRARIES****COUNCIL DISTRICT: A****LOCATION: Joppatowne****L154105****PROJECT DESCRIPTION / JUSTIFICATION:**

Excessive humidity has been a longstanding issue at the Branch for many years. Mold and mildew remediation efforts have been undertaken at the Branch twice within the past three years. Despite seven dehumidifiers being in use during the summer months, humidity levels remain high. A level of 60% and above is not unusual, compared to an acceptable range of 30% to 50%. A mechanical engineering firm is currently evaluating the sources of humidity, with the ultimate objective to design and install a centralized dehumidification system.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	25,000		25,000						25,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	75,000		75,000						75,000
<b>Total Cost</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/16:**

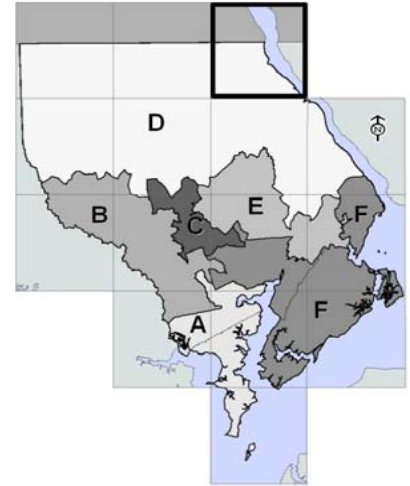
Expended	95,237
Encumbered	4,736
<b>Total</b>	<b>\$99,973</b>

**PROJECT: Whiteford Library Expansion****LIBRARIES****COUNCIL DISTRICT: D****LOCATION: Whiteford****L074117****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funding for an expansion of the Whiteford Branch from 7,300 square feet to 13,278 square feet. Funding provided for construction, additional shelving, new furniture, and collection materials which are to be acquired over multiple years. Approximately \$2,000 is yet to be spent on additional collection materials. The building renovation was completed in 2010.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project is complete and will be closed and removed from the capital improvement program following completion of the audit.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	159,800		159,800						159,800
Land Acquisition			0						0
Construction	4,078,400		4,078,400						4,078,400
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,238,200</b>	<b>0</b>	<b>4,238,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,238,200</b>

**FUNDING SCHEDULE**

R8750 Paygo	254,800		254,800						254,800
R7100 Prior Bonds	3,983,400		3,983,400						3,983,400
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,238,200</b>	<b>0</b>	<b>4,238,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,238,200</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$435,109

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/16:**

Expended	4,238,200
Encumbered	0
<b>Total</b>	<b><u>\$4,238,200</u></b>

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023

GENERAL FUND

BOARD OF EDUCATION

**FY 18 Funded Projects:**

Athletic Fields Repair and Restoration	1,087,000	487,000	100,000	100,000	100,000	100,000	100,000	100,000
Bel Air Elementary Schol HVAC & Open Space Enclosure	7,561,000	0	7,561,000	0	0	0	0	0
Havre de Grace Middle/High School Replacement	98,602,000	3,950,000	38,000,000	43,831,000	12,821,000	0	0	0
Major HVAC Repairs	12,600,818	8,575,818	25,000	0	1,000,000	1,000,000	1,000,000	1,000,000
North Harford HS Aquaculture Lab and Greenhouse	830,000	0	830,000	0	0	0	0	0
Replacement Buses	12,575,197	12,325,197	250,000	0	0	0	0	0
Roof Replacement	1,064,000	0	1,064,000	0	0	0	0	0
Swimming Pool Renovations	963,000	300,000	353,000	310,000	0	0	0	0
Technology Infrastructure	3,643,217	2,643,217	1,000,000	0	0	0	0	0

**Outyear Projects:**

Major Roof Repair/Replacement	6,000,000	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000
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**Open Projects:**

Aberdeen High School Stadium and Weight Room Upgrade:	1,600,000	1,600,000	0	0	0	0	0	0
Aberdeen HS North Building	665,000	665,000	0	0	0	0	0	0
ADA Improvements	600,000	600,000	0	0	0	0	0	0
Backflow Prevention	600,000	600,000	0	0	0	0	0	0
Band Uniform Refresh	72,340	72,340	0	0	0	0	0	0
Bel Air High School Replacement	79,876,086	79,876,086	0	0	0	0	0	0
Bleacher Replacement	500,000	500,000	0	0	0	0	0	0
Building Envelope Improvements	700,000	700,000	0	0	0	0	0	0
Campus Hills Elementary School	900,000	900,000	0	0	0	0	0	0
Center for Educational Opportunity - HVAC	4,625,000	4,625,000	0	0	0	0	0	0
Churchville Elementary School Roof Replacement	825,000	825,000	0	0	0	0	0	0
Darlington Elementary School HVAC Systemic	2,138,000	2,138,000	0	0	0	0	0	0
Deerfield Elementary School Replacement	31,734,200	31,734,200	0	0	0	0	0	0
Dublin Elementary School Comprehensive HVAC Systemic	3,994,000	3,994,000	0	0	0	0	0	0
Edgewood High School Replacement	83,581,790	83,581,790	0	0	0	0	0	0
Edgewood Middle School - Computer Laboratory	115,000	115,000	0	0	0	0	0	0
Energy Conservation Measures	500,000	500,000	0	0	0	0	0	0
Energy Efficiency Initiative Projects	4,873,775	4,873,775	0	0	0	0	0	0
Environmental Compliance	1,497,619	1,497,619	0	0	0	0	0	0
Equipment and Furniture Replacement	1,055,000	1,055,000	0	0	0	0	0	0
Fallston High School Autism Renovation	250,000	250,000	0	0	0	0	0	0
Fallston High School Comp HVAC Systemic Project	17,846,940	17,846,940	0	0	0	0	0	0
Fire Alarm and ER Communication	1,075,000	1,075,000	0	0	0	0	0	0
Floor Covering Replacement	150,000	150,000	0	0	0	0	0	0
Havre de Grace High School Field Facilities	1,313,770	1,313,770	0	0	0	0	0	0
Homestead Wakefield ES Modernization	133,454	133,454	0	0	0	0	0	0
Integrated Business Systems	403,000	403,000	0	0	0	0	0	0
Jarrettsville Elementary School Comprehensive HVAC	3,700,000	3,700,000	0	0	0	0	0	0
Joppatowne Elementary Modernization	13,533,863	13,533,863	0	0	0	0	0	0
Joppatowne High School Systemic Project	13,673,000	13,673,000	0	0	0	0	0	0
Joppatowne High School Weight Room	250,000	250,000	0	0	0	0	0	0
Locker Replacement	430,000	430,000	0	0	0	0	0	0

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				
					FY 2020	FY 2021	FY 2022	FY 2023	
<b>BOARD OF EDUCATION</b>									
Magnolia Middle School HVAC	11,061,554	11,061,554	0	0	0	0	0	0	0
Music Equipment Refresh Program 14	50,000	50,000	0	0	0	0	0	0	0
Music Technology Labs Program	345,000	345,000	0	0	0	0	0	0	0
Norrisville ES HVAC	3,455,700	3,455,700	0	0	0	0	0	0	0
North Harford ES Comprehensive HVAC	4,550,390	4,550,390	0	0	0	0	0	0	0
North Harford High School Modernization	31,873,132	31,873,132	0	0	0	0	0	0	0
North Harford Middle School Water System	261,114	261,114	0	0	0	0	0	0	0
North Harford Middle School Domestic Water Improvement:	1,000,000	1,000,000	0	0	0	0	0	0	0
Outdoor Track Reconditioning	200,000	200,000	0	0	0	0	0	0	0
Playground Equipment	350,000	350,000	0	0	0	0	0	0	0
Prospect Mill Elementary School HVAC	4,685,000	4,685,000	0	0	0	0	0	0	0
Prospect Mill Elementary School	1,997,778	1,997,778	0	0	0	0	0	0	0
Red Pump Road Elementary School	29,837,480	29,837,480	0	0	0	0	0	0	0
Relocatable Classrooms	2,963,896	2,963,896	0	0	0	0	0	0	0
Ring Factory Elementary School HVAC	1,099,000	1,099,000	0	0	0	0	0	0	0
Riverside ES HVAC Systemic	8,780,000	8,780,000	0	0	0	0	0	0	0
Roof Replacement - Joppatowne High School	2,400,000	2,400,000	0	0	0	0	0	0	0
Roofing Replacement 07	1,236,530	1,236,530	0	0	0	0	0	0	0
Security Initiative Program for Schools	1,728,000	1,728,000	0	0	0	0	0	0	0
Security Measures	1,735,000	1,735,000	0	0	0	0	0	0	0
Septic Code Facility Upgrade	4,910,592	4,910,592	0	0	0	0	0	0	0
Special Education Facilities Improvements	200,000	200,000	0	0	0	0	0	0	0
Stadium Upgrades - Joppatowne High School	300,000	300,000	0	0	0	0	0	0	0
Technology Education Lab Refresh	250,000	250,000	0	0	0	0	0	0	0
Textbook/Supplemental Materials Refresh	5,300,000	5,300,000	0	0	0	0	0	0	0
William Paca Elementary School HVAC	3,955,057	3,955,057	0	0	0	0	0	0	0
William Paca/Old Post ES Open Space Enclosure	2,417,000	2,417,000	0	0	0	0	0	0	0
William S James ES Open Space Enclosure Project	1,400,000	1,400,000	0	0	0	0	0	0	0
Youth's Benefit Elementary School Replacement	45,957,866	45,957,866	0	0	0	0	0	0	0
<b>Education Total by Project</b>	<b>592,438,158</b>	<b>475,793,158</b>	<b>49,183,000</b>	<b>44,241,000</b>	<b>15,421,000</b>	<b>2,600,000</b>	<b>2,600,000</b>	<b>2,600,000</b>	
Paygo	28,932,253	25,564,253	2,558,000	410,000	100,000	100,000	100,000	100,000	100,000
Future Bonds	84,573,000	0	32,465,000	32,287,000	14,571,000	1,750,000	1,750,000	1,750,000	1,750,000
Prior Bonds	328,802,938	328,802,938	0	0	0	0	0	0	0
Reappropriated	9,461,021	9,461,021	0	0	0	0	0	0	0
Transfer Tax	10,654,517	10,654,517	0	0	0	0	0	0	0
Recordation Tax	100,000	100,000	0	0	0	0	0	0	0
State	136,536,383	107,832,383	14,160,000	11,544,000	750,000	750,000	750,000	750,000	750,000
Other	(6,621,954)	(6,621,954)	0	0	0	0	0	0	0
Lease Purchase	0	0	0	0	0	0	0	0	0
<b>Education Total by Fund</b>	<b>592,438,158</b>	<b>475,793,158</b>	<b>49,183,000</b>	<b>44,241,000</b>	<b>15,421,000</b>	<b>2,600,000</b>	<b>2,600,000</b>	<b>2,600,000</b>	

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

GENERAL FUND

BOARD OF EDUCATION

Athletic Fields Repair and Restoration	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bel Air ES HVAC Systemic Renovation & Open Space	7,561,000	0	0	0	3,970,000	0	0	0	3,591,000	0	0	0	0
Havre de Grace Middle/High School Replacement	38,000,000	0	0	0	28,000,000	0	0	0	10,000,000	0	0	0	0
Major HVAC Repairs	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
North Harford HS Aquaculture Lab and Greenhouse	830,000	0	830,000	0	0	0	0	0	0	0	0	0	0
Replacement Buses	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Roof Replacement - North Harford Elementary School	1,064,000	0	0	0	495,000	0	0	0	569,000	0	0	0	0
Swimming Pool Renovations	353,000	0	353,000	0	0	0	0	0	0	0	0	0	0
Technology Infrastructure	1,000,000	0	1,000,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL BOARD OF EDUCATION</b>	<b>49,183,000</b>	<b>0</b>	<b>2,558,000</b>	<b>0</b>	<b>32,465,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,160,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT: Athletic Fields Repair and Restoration****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B034113****PROJECT DESCRIPTION / JUSTIFICATION:**

This account provides funds of \$50,000 annually to maintain athletic fields at ten high schools, as well as playing fields at all schools. Funding includes maintenance and repair for stadium and practice fields at \$20,000 per year. It provides for repair and replacement of fencing at \$30,000 per year, which ensures safety of students. Additionally, these funds are used to fund mandated maintenance and testing of synthetic turf fields.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	487,000	100,000	587,000	100,000	100,000	100,000	100,000	100,000	1,087,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>487,000</b>	<b>100,000</b>	<b>587,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,087,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	151,000	100,000	251,000	100,000	100,000	100,000	100,000	100,000	751,000
R6999 Other	210,000		210,000						210,000
R1525 Transfer Tax	108,000		108,000						108,000
R8026 Reappropriated Transfer Tax	18,000		18,000						18,000
			0						0
			0						0
<b>Total Funds</b>	<b>487,000</b>	<b>100,000</b>	<b>587,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,087,000</b>

**OPERATING BUDGET IMPACT:**

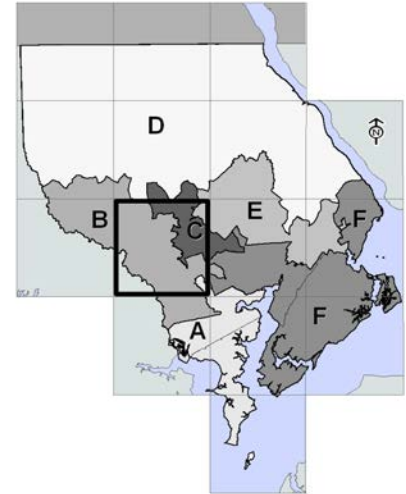
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	273,823
Encumbered	0
<b>Total</b>	<b>\$273,823</b>

**PROJECT: Bel Air Elementary School HVAC Systemic Renovation & Open Space Enclosure****BOARD OF EDUCATION****COUNCIL DISTRICT: C****LOCATION: Bel Air, MD****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will address the replacement of the HVAC system in place at the school, with the exception of the chiller and associated pumps that were replaced in 2011. Additionally, the project will address the open space classroom configuration on the first floor by the erection of wall partitions and separate doors for each classroom. Fire sprinkler service will be extended to serve all the interior spaces. LED lighting for the school will be considered as an add alternate since Bel Air Elementary School previously participated in fluorescent lighting upgrades. A back-up generator for the school and compliance with MEMA will be considered under this project. The existing HVAC system consists of chiller/boiler, dual pipe HVAC system with unit ventilators/fan coils in the classrooms and offices. The cafeteria/stage and gymnasium are served by air handling units. The kindergarten area is served by multi-zone rooftop unit.

**PROJECT SCHEDULE:**

Design summer/fall 2017. Bid spring of 2018. Construction to begin summer 2018 and take approximately six months.

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		1,710,000	1,710,000						1,710,000
Land Acquisition			0						0
Construction		5,851,000	5,851,000						5,851,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>7,561,000</b>	<b>7,561,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,561,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		3,970,000	3,970,000						3,970,000
R7920 State Bonds		3,591,000	3,591,000						3,591,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>7,561,000</b>	<b>7,561,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,561,000</b>

**OPERATING BUDGET IMPACT:**

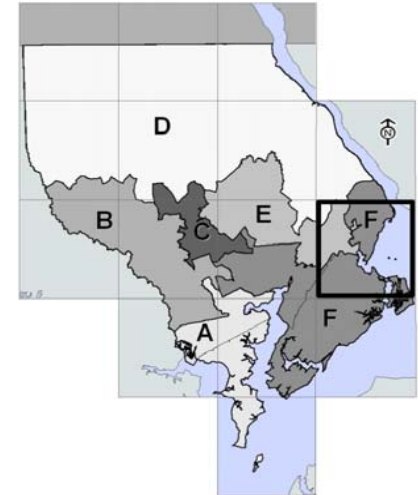
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended  
 Encumbered  
 Total \$0

**PROJECT: Havre de Grace Middle/High School Replacement****BOARD OF EDUCATION****COUNCIL DISTRICT: F****LOCATION: Havre de Grace****B144111****PROJECT DESCRIPTION / JUSTIFICATION:**

The Havre de Grace High School consists of two (2) buildings with a main administration and classroom facility built in 1955. The building was renovated in 1984 and had additions built in 1958, 1971, 1976 and 1984. Constrained by the urban setting, the second building, part of the 1971 addition, was built across Congress Street and includes the auditorium, gymnasiums and music wing. Havre de Grace Middle School was built in 1967 and has had no major renovations or modernizations. A scope study was performed to evaluate options, and on September 23, 2013, the Board of Education approved a recommendation to build a new building combining the middle and high school population in a single school. The Board of Public Works approved Local Planning for this project in the FY 2015 CIP under the Sustainable Communities Program. Educational Specifications and Schematic Design for the new building were approved by the BOE on August 4th and August 18th 2014 (respectively), for a new building of approximately 240,000 square feet and a combined state rated capacity of 1,542.

**PROJECT SCHEDULE:**

Design Development - 11/1/14

Construction Documents - late spring, 2017

Construction to begin late summer/early fall of 2017; with building completion expected December, 2019

Demolition of existing buildings to follow

**PROJECT STATUS: Local Planning****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	3,950,000	1,000,000	4,950,000						4,950,000
Land Acquisition			0						0
Construction		37,000,000	37,000,000	43,831,000	6,621,000				87,452,000
Inspection Fees			0						0
Equipment/Furnishing			0		6,200,000				6,200,000
<b>Total Cost</b>	<b>3,950,000</b>	<b>38,000,000</b>	<b>41,950,000</b>	<b>43,831,000</b>	<b>12,821,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98,602,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	3,700,000		3,700,000						3,700,000
R7920 State Bonds		10,000,000	10,000,000	11,544,000					21,544,000
R6999 Other BOE	250,000		250,000						250,000
R7000 Future Bonds		28,000,000	28,000,000	32,287,000	12,821,000				73,108,000
			0						0
			0						0
<b>Total Funds</b>	<b>3,950,000</b>	<b>38,000,000</b>	<b>41,950,000</b>	<b>43,831,000</b>	<b>12,821,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98,602,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$338,972

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,590,081
Encumbered	0
<b>Total</b>	<b>\$2,590,081</b>

**PROJECT: Major HVAC Repairs**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**B064145**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This capital project provides funding for large major equipment repairs and replacement of HVAC equipment at various school buildings. All minor repairs are handled through the Harford County Public Schools normal maintenance operating budget.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0		100,000	100,000	100,000	100,000	400,000
Land Acquisition			0						0
Construction	8,575,818	25,000	8,600,818		900,000	900,000	900,000	900,000	12,200,818
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	8,575,818	25,000	8,600,818	0	1,000,000	1,000,000	1,000,000	1,000,000	12,600,818

**FUNDING SCHEDULE**

R8750 Paygo	198,452	25,000	223,452						223,452
R6999 Other BOE	3,323,455		3,323,455						3,323,455
R1525 Transfer Tax	100,000		100,000						100,000
R7100 Prior Bonds	4,953,911		4,953,911						4,953,911
R7000 Future Bonds			0		1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
Total Funds	8,575,818	25,000	8,600,818	0	1,000,000	1,000,000	1,000,000	1,000,000	12,600,818

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$453,135

Annual Operating/Maintenance Cost: N/A

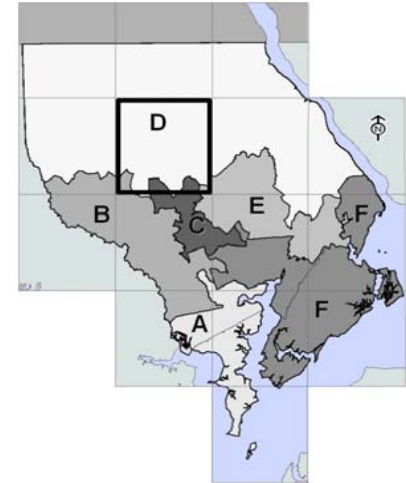
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	4,849,551
Encumbered	0
Total	<u>\$4,849,551</u>

**PROJECT: North Harford HS Aquaculture Lab and Greenhouse****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: Pylesville, MD****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide programmatic upgrades to support the agricultural program at the school. Work to upgrade the greenhouse includes: replacing existing greenhouse system with new aluminum system and high performance glazing, above the existing foundation and masonry and removing the existing wall dividing the greenhouse into two spaces. Additionally, to improve greenhouse climate control, the project will add a shade mechanism such as a shading compound/paint (e.g. whitewash) or a retractable shade curtain, add new modern greenhouse temperature and ventilation control system, upsize existing geothermal heat pumps to meet the need of the greenhouse, and modify ductwork to optimize greenhouse airflow. To accommodate the aquaculture lab, the project will convert the current head house to an aquaculture lab tank room and modify the current floral design room to also be utilized as a workroom for the greenhouse.

**PROJECT SCHEDULE:**

Summer/fall 2017: Design

Winter 2018: Bid

Spring 2018: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		65,000	65,000						65,000
Land Acquisition			0						0
Construction		750,000	750,000						750,000
Inspection Fees		15,000	15,000						15,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>830,000</b>	<b>830,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>830,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		830,000	830,000						830,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>830,000</b>	<b>830,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>830,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Replacement Buses****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B024118****PROJECT DESCRIPTION / JUSTIFICATION:**

Special needs buses are required to meet the needs of growing numbers of students, programs and schools. These buses must comply with Federal regulations and meet IEP requirements for special needs transportation. The MD State Department of Education requires that school systems replace buses after 12 years of use. HCPS requested legislative action to allow its school buses to be kept in service for up to 15 years, however, the legislation did not pass. Currently we are three years out of compliance on our bus replacement schedule. The FY 18 budget request reflects the cost of replacing all buses that passed the 12 year replacement cycle. This schedule is assuming the replacement of 15 extended year special needs buses during FY 2017. Further, it assumes the approval during FY 2017 of replacing (10) 15 year old buses and (5) 13 year old buses.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	12,325,197	250,000	12,575,197						12,575,197
<b>Total Cost</b>	<b>12,325,197</b>	<b>250,000</b>	<b>12,575,197</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,575,197</b>

**FUNDING SCHEDULE**

R8750 Paygo	8,426,574	250,000	8,676,574						8,676,574
R6999 Other	2,582,000		2,582,000						2,582,000
R7100 Prior Bonds	1,316,623		1,316,623						1,316,623
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>12,325,197</b>	<b>250,000</b>	<b>12,575,197</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,575,197</b>

**OPERATING BUDGET IMPACT:**

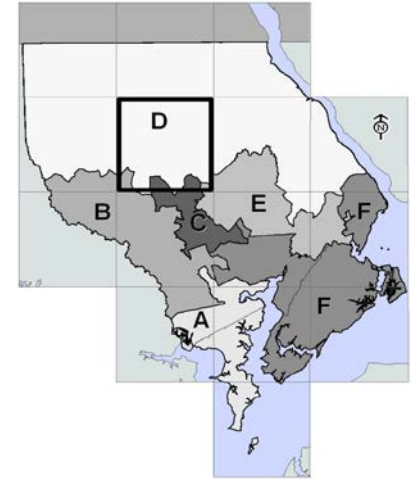
Estimated Annual Debt Service Cost: \$59,169  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	8,000,482
Encumbered	0
<b>Total</b>	<b>\$8,000,482</b>

**PROJECT: Roof Replacement - North Harford Elementary School****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: Pylesville****New****PROJECT DESCRIPTION / JUSTIFICATION:**

The periodic replacement of roof systems is necessary to prevent damage to the interior of the building and to prevent indoor air quality issues. North Harford Elementary School is in need of replacement in FY 2018. Projects are submitted for funding consideration through the State Capital Improvement Plan request.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		159,000	159,000						159,000
Land Acquisition			0						0
Construction		905,000	905,000						905,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>1,064,000</b>	<b>1,064,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,064,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		495,000	495,000						495,000
R7920 State Bonds		569,000	569,000						569,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>1,064,000</b>	<b>1,064,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,064,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$61,943

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered 0

Total \$0

**PROJECT: Swimming Pool Renovations****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B184110****PROJECT DESCRIPTION / JUSTIFICATION:**

This budget category is used for renovation and replacement of the infrastructure for three (3) swimming pools that are located at Edgewood, Magnolia, and North Harford Middle Schools. It will also be used to provide routine maintenance based on a professional plan. It addresses current, medium, and long range maintenance needs to preserve the infrastructure and the filtration system, so that it can remain viable for many years to come.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	300,000	353,000	653,000	310,000					963,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>300,000</b>	<b>353,000</b>	<b>653,000</b>	<b>310,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>963,000</b>

**FUNDING SCHEDULE**

R6999 Other BOE	300,000		300,000						300,000
R8750 Paygo		353,000	353,000	310,000					663,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>353,000</b>	<b>653,000</b>	<b>310,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>963,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Technology Infrastructure****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****B154117****PROJECT DESCRIPTION / JUSTIFICATION:**

This project addresses critical annual investments required for a rapidly growing, technology rich environment. These investments are essential to maintain a high level of operational efficiency, avoid obsolescence, address increased bandwidth demands and preserve compatibility to industry standards for technology infrastructure components. This overarching project includes refresh programs for instructional and administrative computers; network, information security, data storage and communications equipment; servers; and auditorium/gymnasium audio/video/theatrical lighting systems. The project also encompasses the integration of multi-media interactive technologies into classrooms to promote stronger student engagement. Additionally, the project is a strategic information technology collaboration involving all the government agencies to address current and future technology initiatives of Harford County.

**PROJECT SCHEDULE:**

Refresh Technology: Data Center Core Network Equipment, Desktop/Laptop replacement, phone systems, servers, multi-media (projectors), and instructional software

Auditorium/Gymnasium Audio/Video Infrastructure: CMW theater lighting, AHS auditorium sound modification, NHHS auditorium sound/video modification

Communication Systems: PA maintenance/upgrade

Interactive Classroom Tools: Sound reinforcement in classrooms (amplification), and interactive tools (slates, IFRs, document cameras, boards)

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,643,217	1,000,000	3,643,217						3,643,217
<b>Total Cost</b>	<b>2,643,217</b>	<b>1,000,000</b>	<b>3,643,217</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,643,217</b>

**FUNDING SCHEDULE**

R8750 Paygo	134,541	1,000,000	1,134,541						1,134,541
R1525 Transfer Tax	52,381		52,381						52,381
R7100 Prior Bonds	2,400,822		2,400,822						2,400,822
R8026 Reappropriated Transfer Tax	55,473		55,473						55,473
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,643,217</b>	<b>1,000,000</b>	<b>3,643,217</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,643,217</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,620,307
Encumbered	0
<b>Total</b>	<b>\$2,620,307</b>

# **OUTYEAR PROJECTS**

## **FY 19 - FY 23**

**PROJECT: Major Roof Repair/Replacement**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**New**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This capital project provides funding for large major repairs and replacement of roofs for Harford County Public Schools.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0		250,000	250,000	250,000	250,000	1,000,000
Land Acquisition			0						0
Construction			0		1,250,000	1,250,000	1,250,000	1,250,000	5,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000

**FUNDING SCHEDULE**

R7000 Future Bonds			0		750,000	750,000	750,000	750,000	3,000,000
R7920 State Bonds			0		750,000	750,000	750,000	750,000	3,000,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$422,571

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

Expended

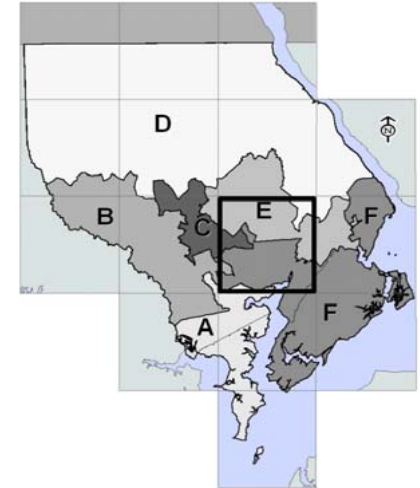
Encumbered

Total \$0

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Aberdeen High School Stadium and Weight Room Upgrades****BOARD OF EDUCATION****COUNCIL DISTRICT: E****LOCATION: Aberdeen****B144131****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding to install and furnish a single building, which includes a new home team room, visitor team room, storage room, and referee room. It also provides for an addition to the existing weight room, adding 1,000 square feet to the current 1,500 square feet of space.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	130,500		130,500						130,500
Land Acquisition			0						0
Construction	1,369,500		1,369,500						1,369,500
Inspection Fees			0						0
Equipment/Furnishing	100,000		100,000						100,000
<b>Total Cost</b>	<b>1,600,000</b>	<b>0</b>	<b>1,600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,600,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,600,000		1,600,000						1,600,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,600,000</b>	<b>0</b>	<b>1,600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,600,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,593,399
Encumbered	0
<b>Total</b>	<b>\$1,593,399</b>

**PROJECT: Aberdeen HS North Building**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: E**

**LOCATION: Aberdeen, MD**

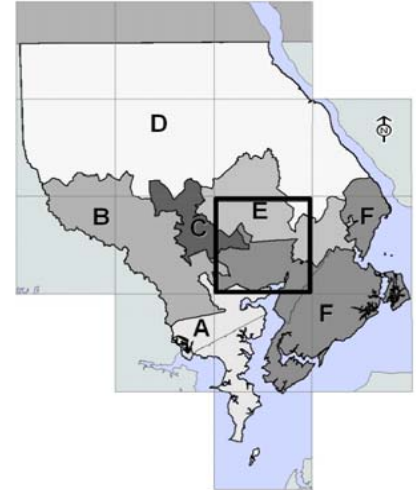
**B054110**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funding for a scope study to determine the best use of the 107,087 square feet of the North Building of Aberdeen High School.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	665,000		665,000						665,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	665,000	0	665,000	0	0	0	0	0	665,000

**FUNDING SCHEDULE**

R1525 Transfer Tax	25,000		25,000						25,000
R8770 Reappropriated	640,000		640,000						640,000
			0						0
			0						0
			0						0
			0						0
Total Funds	665,000	0	665,000	0	0	0	0	0	665,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	567,053
Encumbered	0
Total	<u>\$567,053</u>

**PROJECT: ADA Improvements**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**B064143**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for building and grounds improvements to bring schools into compliance with current Americans with Disabilities Act Accessibility guidelines, and the Maryland Accessibility Code. Exterior work includes pavement markings, curb cuts, sidewalk work, and providing accessible pathways to playground areas. Inside work includes making restrooms, water fountains and public areas accessible. This category includes planned projects and allowance. By law, accommodations must be made to a school receiving new students or staff requiring accommodations. A funding source to complete these modifications is needed to avoid liability.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	600,000		600,000						600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	600,000	0	600,000	0	0	0	0	0	600,000

**FUNDING SCHEDULE**

R8750 Paygo	350,000		350,000						350,000
R6999 Other BOE	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
Total Funds	600,000	0	600,000	0	0	0	0	0	600,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$945,971  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	258,022
Encumbered	0
Total	<u>258,022</u>

**PROJECT: Backflow Prevention**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: C**

**LOCATION: Various**

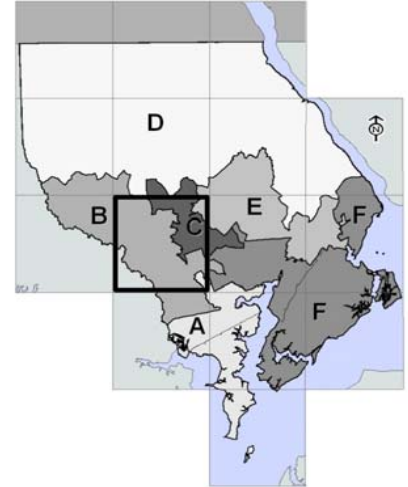
**B054111**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Funding in this category is used to design and implement backflow prevention in order to separate school water systems from backing up into County water supply. This account is also utilized to perform major domestic water repairs, as well as piping serving condensation, steam, etc.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	600,000		600,000						600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	600,000	0	600,000	0	0	0	0	0	600,000

**FUNDING SCHEDULE**

R6999 Other BOE	250,000		250,000						250,000
R1525 Transfer Tax	250,000		250,000						250,000
R8026 Reappropriated Transfer Tax	100,000		100,000						100,000
			0						0
			0						0
			0						0
Total Funds	600,000	0	600,000	0	0	0	0	0	600,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended  
Encumbered  
Total \$0

**PROJECT: Band Uniform Refresh****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****BB13008****PROJECT DESCRIPTION / JUSTIFICATION:**

Band uniforms have a life expectancy of about ten years under normal use conditions. Uniforms generally consist of a jacket, pants, hat and ornamental plume. Other accessories that may be purchased could include: gauntlets, capes, raingear and/or other items of an ornamental nature. The cost of a basic uniform generally runs \$400-\$450. A complete inventory must consist of various sizes from very small to very large and number about 20% greater than the number of students in the group for any given year to meet the varying size demands of the students.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	72,340		72,340						72,340
Total Cost	72,340	0	72,340	0	0	0	0	0	72,340

**FUNDING SCHEDULE**

R6999 Other BOE	72,340		72,340						72,340
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	72,340	0	72,340	0	0	0	0	0	72,340

**OPERATING BUDGET IMPACT:**

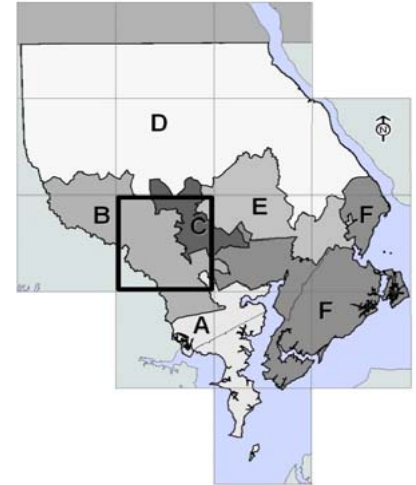
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Bel Air High School Replacement****BOARD OF EDUCATION****COUNCIL DISTRICT: C****LOCATION: Bel Air, MD****B994119****PROJECT DESCRIPTION / JUSTIFICATION:**

The Bel Air High School replacement building was completed and occupied in August, 2009. The State maximum allocation is \$11,876,519, of which \$11,450,000 was approved in FY 11. The balance of \$426,520 was requested for FY 12. The FY 12 State reimbursement received for Bel Air High School was reallocated to fund other capital projects.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	3,145,463		3,145,463						3,145,463
Land Acquisition			0						0
Construction	72,175,831		72,175,831						72,175,831
Inspection Fees			0						0
Equipment/Furnishing	4,554,792		4,554,792						4,554,792
<b>Total Cost</b>	<b>79,876,086</b>	<b>0</b>	<b>79,876,086</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79,876,086</b>

**FUNDING SCHEDULE**

R7920 State Bonds	27,095,683		27,095,683						27,095,683
R7100 Prior Bonds	74,709,204		74,709,204						74,709,204
R6999 Other BOE	(25,404,945)		(25,404,945)						(25,404,945)
R8750 Paygo	2,014,314		2,014,314						2,014,314
R8770 Reappropriated	20,000		20,000						20,000
R1525 Transfer Tax	1,441,830		1,441,830						1,441,830
<b>Total Funds</b>	<b>79,876,086</b>	<b>0</b>	<b>79,876,086</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79,876,086</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$5,704,145  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	78,185,348
Encumbered	0
<b>Total</b>	<b>\$78,185,348</b>

**PROJECT: Bleacher Replacement**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**BB13013**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding for the removal and replacement of interior bleachers.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	500,000		500,000						500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	500,000	0	500,000	0	0	0	0	0	500,000

**FUNDING SCHEDULE**

R6999 Other BOE	500,000		500,000						500,000
R8750 Paygo			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	500,000	0	500,000	0	0	0	0	0	500,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Building Envelope Improvements****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B144107****PROJECT DESCRIPTION / JUSTIFICATION:**

This project addresses aging schools outside the modernization schedule requiring window, door, masonry or siding renewal. Improvements will provide enhanced security, energy conservation and weatherproofing.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	700,000		700,000						700,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>700,000</b>	<b>0</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**FUNDING SCHEDULE**

R6999 Other BOE	500,000		500,000						500,000
R8750 Paygo	200,000		200,000						200,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>700,000</b>	<b>0</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

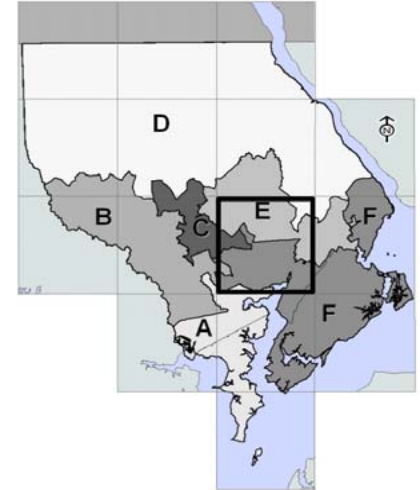
Expended	199,718
Encumbered	0
<b>Total</b>	<b>\$199,718</b>

**PROJECT: Campus Hills Elementary School****BOARD OF EDUCATION****COUNCIL DISTRICT: E****LOCATION: Churchville, MD****B084131****PROJECT DESCRIPTION / JUSTIFICATION:**

The schools to the north and east of Bel Air are experiencing capacity problems due to the intensive development along Rt. 543/Fountain Green corridor. There were several schools identified for additions, but they did not have site conditions which allowed for them. This project is viewed as a comprehensive solution to numerous enrollment impacts. The site was recently purchased by Harford County for the purpose of building an elementary school. This is outside the development envelope and is not in the priority funding area. The IAC approved the site on June 30, 2008 for the development of an elementary school site.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Design development is 60% complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2021	FY 2022	
Engineering/Design	137,856		137,856						137,856
Land Acquisition			0						0
Construction	762,144		762,144						762,144
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>900,000</b>	<b>0</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>900,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	800,000		800,000						800,000
R1515 Recordation Tax	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>900,000</b>	<b>0</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>900,000</b>

**OPERATING BUDGET IMPACT:**

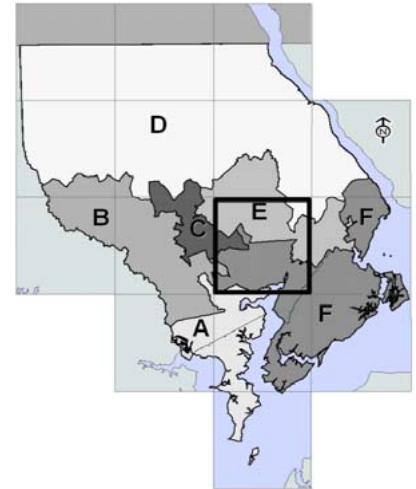
Estimated Annual Debt Service Cost: \$61,781  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	839,860
Encumbered	0
<b>Total</b>	<b><u>\$839,860</u></b>

**PROJECT: Center for Educational Opportunity - HVAC****BOARD OF EDUCATION****COUNCIL DISTRICT: E****LOCATION: Aberdeen, MD****B164109****PROJECT DESCRIPTION / JUSTIFICATION:**

The Center of Educational Opportunity was originally built as Aberdeen Junior High School in 1965 and consists of a single story building plus partial basement of approximately 107,000 SF. Currently, there is no air conditioning in the great majority of the classrooms. There are some window air conditioning units that have been installed in three classrooms and the media center, which do not meet the current indoor air quality requirements. It is recommended that the replacement equipment be electrically cooled roof top units with modulating capacity compressors, and energy recovery features designed to meet current energy codes. The units will be ducted to new VAV boxes in the academic spaces with hot water reheat coils. The existing hot water piping serving the existing heat only until ventilators will be connected to the reheat coils to meet the heating needs of the spaces. New DDC controls should be installed as part of the project. When completed, the new HVAC system will provide a better IAQ environment with improved humidity and temperature control year round.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	4,625,000	0	4,625,000						4,625,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,625,000</b>	<b>0</b>	<b>4,625,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,625,000</b>

**FUNDING SCHEDULE**

R7920 State Bonds	2,425,000	0	2,425,000						2,425,000
R7100 Prior Bonds	2,200,000	0	2,200,000						2,200,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,625,000</b>	<b>0</b>	<b>4,625,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,625,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

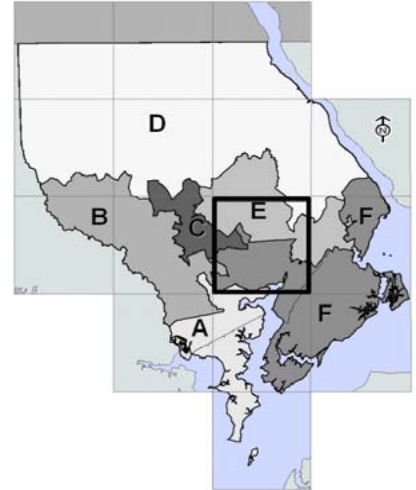
Expended	1,852,966
Encumbered	0
<b>Total</b>	<b><u>\$1,852,966</u></b>

**PROJECT: Churchville Elementary School Roof Replacement****BOARD OF EDUCATION****COUNCIL DISTRICT: E****LOCATION: Churchville, MD****B164110****PROJECT DESCRIPTION / JUSTIFICATION:**

Churchville Elementary School is scheduled for a roof replacement.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Design development is 60% complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	825,000		825,000						825,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>825,000</b>	<b>0</b>	<b>825,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>825,000</b>

**FUNDING SCHEDULE**

R7920 State Bonds	495,000		495,000						495,000
R8750 Prior Bonds	330,000		330,000						330,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>825,000</b>	<b>0</b>	<b>825,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>825,000</b>

**OPERATING BUDGET IMPACT:**

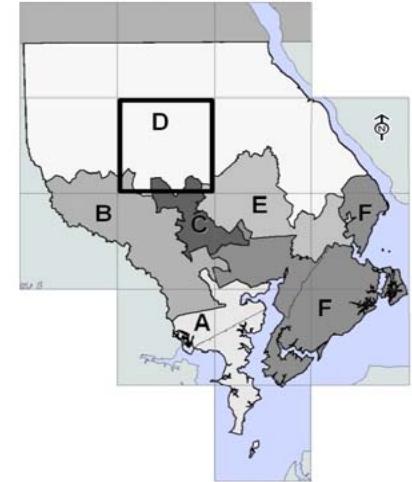
Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	224,064
Encumbered	0
<b>Total</b>	<b><u>\$224,064</u></b>

**PROJECT: Darlington Elementary School Comprehensive HVAC Systemic Project****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: Darlington, MD****B154106****PROJECT DESCRIPTION / JUSTIFICATION:**

Originally built in 1938 at 13,660 square feet, Darlington Elementary School underwent a renovation and building additions of 10,265 square feet in 1966. A building renovation in 1995 added air conditioning to the original building and replaced one of the boilers. This HVAC renovation consisted of unit ventilators with hot water heat and individual residential size condensing units with rudimentary controls. A 1999 HVAC upgrade added cooling to the 1966 addition by adding an air cooled chiller, creating a four pipe system with new unit ventilators in the classroom and academic support spaces. Temperature controls however remained rudimentary and there is no centralized control of the HVAC system for the school. The school continues to have problems with maintaining proper temperature and humidity control (hot, cold, and humid spaces). Since the system is at the end of its useful life, it is recommended that a new HVAC system with energy recovery, dedicated fresh air, as well as modernized DDC controls be installed to provide reduced operating costs, and better temperature and humidity control.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction	1,806,460		1,806,460						1,806,460
Inspection Fees	131,540		131,540						131,540
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,138,000</b>	<b>0</b>	<b>2,138,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,138,000</b>

**FUNDING SCHEDULE**

R7920 State Bonds	603,000		603,000						603,000
R7100 Prior Bonds	1,535,000		1,535,000						1,535,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,138,000</b>	<b>0</b>	<b>2,138,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,138,000</b>

**OPERATING BUDGET IMPACT:**

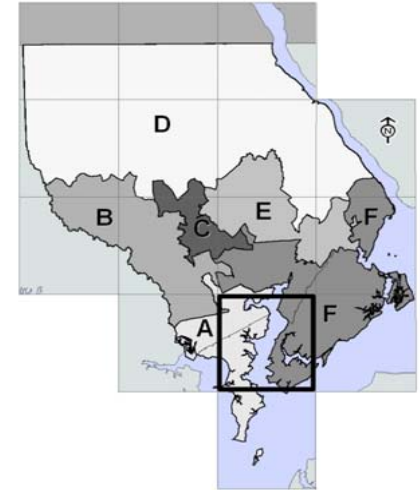
Estimated Annual Debt Service Cost: \$138,150  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,013,708
Encumbered	0
<b>Total</b>	<b><u>\$1,013,708</u></b>

**PROJECT: Deerfield Elementary School Replacement****BOARD OF EDUCATION****COUNCIL DISTRICT: A****LOCATION: Edgewood, MD****B004119****PROJECT DESCRIPTION / JUSTIFICATION:**

The new Deerfield Elementary School was completed and occupied in August, 2010. Demolition of the existing school building and restoration of the balance of the site was completed in the summer of 2011. In FY 12, the State reimbursement received for the Deerfield Elementary School was reallocated to fund other projects.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,431,623		1,431,623						1,431,623
Land Acquisition			0						0
Construction	29,302,577		29,302,577						29,302,577
Inspection Fees			0						0
Equipment/Furnishing	1,000,000		1,000,000						1,000,000
<b>Total Cost</b>	<b>31,734,200</b>	<b>0</b>	<b>31,734,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,734,200</b>

**FUNDING SCHEDULE**

R7920 State Bonds	11,397,000		11,397,000						11,397,000
R7100 Prior Bonds	20,492,923		20,492,923						20,492,923
R6999 Other BOE Reimbursement	(1,277,325)		(1,277,325)						(1,277,325)
R6999 Other BOE	(197,619)		(197,619)						(197,619)
R1525 Transfer Tax	881,693		881,693						881,693
R8750 Paygo	25,000		25,000						25,000
R8752 Paygo Impact Fee	412,528		412,528						412,528
<b>Total Funds</b>	<b>31,734,200</b>	<b>0</b>	<b>31,734,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,734,200</b>

**OPERATING BUDGET IMPACT:**

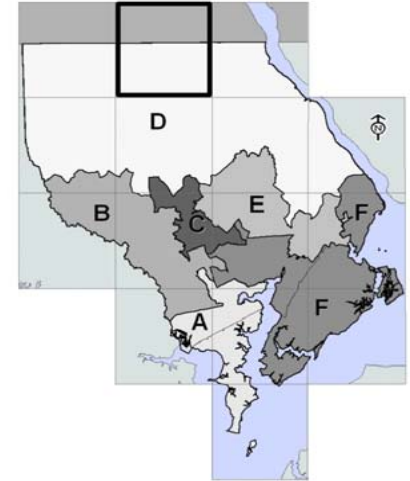
Estimated Annual Debt Service Cost: \$1,636,611  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	21,771,317
Encumbered	0
<b>Total</b>	<b><u>\$21,771,317</u></b>

**PROJECT: Dublin Elementary School Comprehensive HVAC Systemic Project****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: Street, MD****B154107****PROJECT DESCRIPTION / JUSTIFICATION:**

This building is a 44,385 square foot two story facility that underwent a renovation/addition in 1987. This project will address the replacement of the HVAC equipment that was installed in 1987. The existing equipment in the classroom and academic support areas consist of unit ventilator type water source heat pumps (WSHP). This type of equipment has a typical life of 20 years and with the increased service and repair work to the equipment in recent years is in need of replacement. It is recommended that the replacement equipment be a ducted type above ceiling WSHP fan coil (or small air handlers). The boiler room was renovated with two new high efficiency condensing boilers, pumps and new piping along with a new cooling tower in 2011. This equipment will continue to operate as part of the new HVAC system.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	616,000		616,000						616,000
Land Acquisition			0						0
Construction	3,078,000		3,078,000						3,078,000
Inspection Fees	300,000		300,000						300,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,994,000</b>	<b>0</b>	<b>3,994,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,994,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	2,055,000		2,055,000						2,055,000
R7920 State Bonds	1,939,000		1,939,000						1,939,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,994,000</b>	<b>0</b>	<b>3,994,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,994,000</b>

**OPERATING BUDGET IMPACT:**

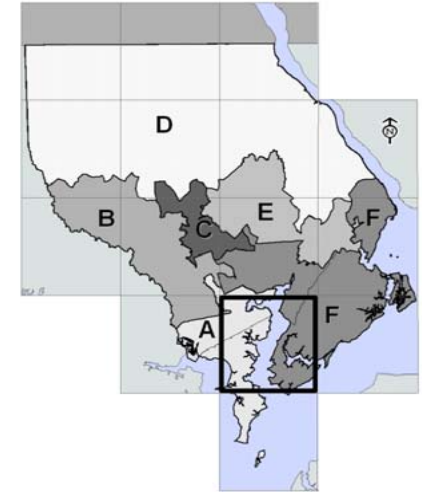
Estimated Annual Debt Service Cost: \$184,950  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,811,823
Encumbered	0
<b>Total</b>	<b><u>\$1,811,823</u></b>

**PROJECT: Edgewood High School Replacement****BOARD OF EDUCATION****COUNCIL DISTRICT: A****LOCATION: Edgewood, MD****B074119****PROJECT DESCRIPTION / JUSTIFICATION:**

The new Edgewood High School building has been completed and occupied since August, 2010. The State request of \$13,321,000 was the entire balance of the Maximum State funding allocation. The FY 12 State reimbursement received for Edgewood High School was reallocated to fund other capital items.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2022	
Engineering/Design	3,399,000		3,399,000						3,399,000
Land Acquisition			0						0
Construction	74,502,998		74,502,998						74,502,998
Inspection Fees	1,125,000		1,125,000						1,125,000
Equipment/Furnishing	4,554,792		4,554,792						4,554,792
<b>Total Cost</b>	<b>83,581,790</b>	<b>0</b>	<b>83,581,790</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83,581,790</b>

**FUNDING SCHEDULE**

R1525 Transfer Tax	223,750		223,750						223,750
R6999 Other BOE	(11,628,413)		(11,628,413)						(11,628,413)
R7100 Prior Bonds	81,665,453		81,665,453						81,665,453
R7920 State Bonds	13,321,000		13,321,000						13,321,000
			0						0
			0						0
<b>Total Funds</b>	<b>83,581,790</b>	<b>0</b>	<b>83,581,790</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83,581,790</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$6,449,087

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended 81,863,358

Encumbered 0

Total \$81,863,358

**PROJECT: Edgewood Middle School - Computer Laboratory**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: A**

**LOCATION: Edgewood**

**B144108**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding to add a computer laboratory to provide an appropriate environment for the appropriate delivery of the technology educational program.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	115,000		115,000						115,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	115,000	0	115,000	0	0	0	0	0	115,000

**FUNDING SCHEDULE**

R8750 Paygo	115,000		115,000						115,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	115,000	0	115,000	0	0	0	0	0	115,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	78,217
Encumbered	0
Total	<u>\$78,217</u>

**PROJECT: Energy Conservation Measures****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****BB13014****PROJECT DESCRIPTION / JUSTIFICATION:**

Energy conservation funds are used to replace, retrofit and install energy reducing equipment and support other related resource conservation measures within the school system. Types of expenditures included are occupancy sensors for lighting, HVAC equipment, lighting upgrades to provide efficient lighting, expanded energy management controls, water conservation, and solid waste reduction measures. These projects result in more efficient systems and a reduction in operating costs.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2011	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	500,000		500,000						500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>500,000</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>

**FUNDING SCHEDULE**

R6999 Other BOE	500,000		500,000						500,000
R8750 Paygo			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>500,000</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Energy Efficiency Initiative Projects****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B144109****PROJECT DESCRIPTION / JUSTIFICATION:**

This category provides funding from the State FY 13 Energy Efficiency initiative disbursed through the Maryland Energy Administration for energy related projects that enhance energy efficiency based on the standards that are within the procedures as set forth by the IAC dated July 19, 2012. These are designated to supplement the normal State Capital Improvement School Construction funding stream. Therefore, all of the normal State CIP procedures apply to these project funding requests with the difference being that the State will support up to 98% of the total project costs for energy enhancement such as lighting, HVAC, custom building specialty and solar panel installations after utility company rebates. We have identified 27 lighting renovation projects, which have already been included in the Performance Contracting Service where those improvements pay for itself with the energy savings utilizing an amortized loan for a duration of 15 years. The additional Energy Initiative funds will pay for at least 60% of the total cost of these projects. This reduces the total loan amount and allows us to add additional scope without increasing the loan obligation. There is no County funding commitment required because the projects are paid by the energy savings, which is guaranteed by the contractor.

The following projects are included in this funding request is C. Milton Wright High School, Fallston High School, Harford Technical High School, Joppatowne High School, Aberdeen Middle School, Bel Air Middle School, Edgewood Middle School, Fallston Middle School, Havre de Grace Middle School, North Harford Middle School, Southampton Middle School, Abingdon Elementary School, Bel Air Elementary School, Churchville Elementary School, Darlington Elementary School, Dublin Elementary School, Edgewood Elementary School, Fountain Green Elementary School, George D. Lisby Elementary School, Magnolia Elementary School, Meadowvale Elementary School, North Bend Elementary School, Prospect Mill Elementary School, Ring Factory Elementary School, Riverside Elementary School, Royce Williams Elementary School and William S. James Elementary School.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	4,873,775		4,873,775						4,873,775
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,873,775</b>	<b>0</b>	<b>4,873,775</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,873,775</b>

**FUNDING SCHEDULE**

R6999 Other BOE	1,484,775		1,484,775						1,484,775
R3399 State Other	3,389,000		3,389,000						3,389,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,873,775</b>	<b>0</b>	<b>4,873,775</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,873,775</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Environmental Compliance**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**B974118**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Environmental regulations demand compliance in a number of areas - indoor air quality, waste management, fuel tank replacement, water quality control, radon testing, asbestos removal and other similar matters. Asbestos abatement will occur based on current conditions at the time and available funding.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,497,619		1,497,619						1,497,619
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,497,619	0	1,497,619	0	0	0	0	0	1,497,619

**FUNDING SCHEDULE**

R8750 Paygo	1,097,619		1,097,619						1,097,619
R6999 Other BOE	400,000		400,000						400,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,497,619	0	1,497,619	0	0	0	0	0	1,497,619

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,097,619
Encumbered	0
Total	<u>\$1,097,619</u>

**PROJECT: Equipment and Furniture Replacement**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**B004113**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for the purchase of age appropriate furniture, particularly for secondary schools.  
Existing schools have replacement needs as furniture and equipment reach the end of their life cycle.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2017 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,055,000		1,055,000						1,055,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,055,000	0	1,055,000	0	0	0	0	0	1,055,000

**FUNDING SCHEDULE**

R8750 Paygo	755,000		755,000						755,000
R6999 Other BOE	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,055,000	0	1,055,000	0	0	0	0	0	1,055,000

**OPERATING BUDGET IMPACT:**

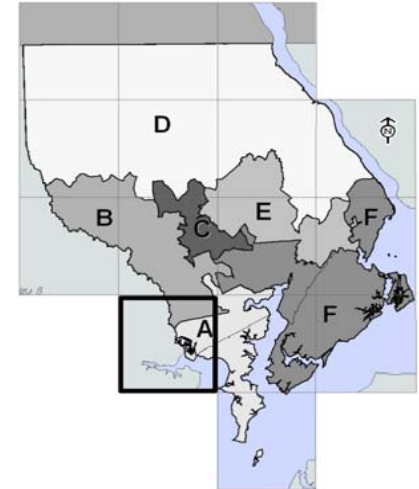
Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	741,880
Encumbered	0
Total	<u>\$741,880</u>

**PROJECT: Fallston High School Autism Renovation****BOARD OF EDUCATION****COUNCIL DISTRICT: B****LOCATION: Fallston, MD****B154118****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will fund a renovation project at Fallston High School to accommodate the Autism Program.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	250,000		250,000						250,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>250,000</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>250,000</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$737,960

Annual Operating/Maintenance Cost: N/A

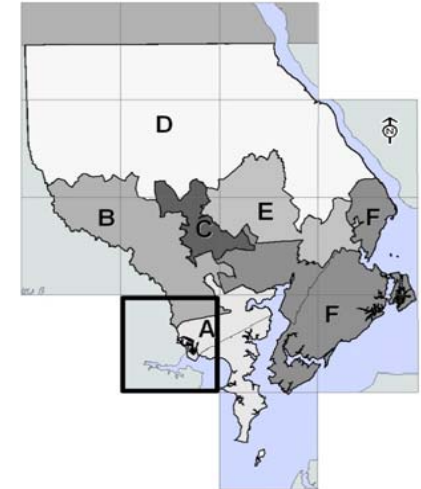
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	249,602
Encumbered	0
<b>Total</b>	<b>\$249,602</b>

**PROJECT: Fallston High School Comprehensive HVAC Systemic Project****BOARD OF EDUCATION****COUNCIL DISTRICT: B****LOCATION: Fallston, MD****B144110****PROJECT DESCRIPTION / JUSTIFICATION:**

The age of the HVAC equipment and systems in this facility is 35 years old with the exception of the cooling tower and HVAC controller. There is numerous equipment inefficiencies, indoor air quality concerns and equipment noise issues that can be proactively addressed by performing a major comprehensive HVAC systemic project. This proposed project replacement/upgrade includes new boilers, chiller, cooling tower, related pumps and associated equipment and DDC controls in the central plant and the rest of the building. New energy recovery type air handling units, including replacement of classroom unit ventilators with ducted air system with VAV units. The project will need to be phased over two summers and part of the school year, and will require 4 portable classrooms for phasing purposes. This school is designated as an emergency shelter, therefore a generator service connection is included in the electrical service upgrade. This will result in a sprinkler system as well as fire alarm modification to meet current codes. This project will include electrical service upgrades to allow for better electrical data as well as better sub metering capabilities.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,082,049		1,082,049						1,082,049
Land Acquisition			0						0
Construction	16,764,891		16,764,891						16,764,891
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>17,846,940</b>	<b>0</b>	<b>17,846,940</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,846,940</b>

**FUNDING SCHEDULE**

R7920 State Bonds	9,873,000		9,873,000						9,873,000
R7100 Prior Bonds	7,973,940		7,973,940						7,973,940
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>17,846,940</b>	<b>0</b>	<b>17,846,940</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,846,940</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$737,960

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	7,574,604
Encumbered	0
<b>Total</b>	<b>\$7,574,604</b>

**PROJECT: Fire Alarm and ER Communication****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B004112****PROJECT DESCRIPTION / JUSTIFICATION:**

Funds are utilized for the installation, repair, or replacement of obsolete fire alarm and emergency communication systems; major sprinkler repairs; and the replacement or addition of generators to provide life safety measures in the event of a power failure in school facilities. This includes replacing recalled sprinkler heads for sprinkler code compliance.

The following projects are scheduled for future years:

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,075,000		1,075,000						1,075,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,075,000</b>	<b>0</b>	<b>1,075,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,075,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	500,000		500,000						500,000
R6999 Other BOE	425,000		425,000						425,000
R1525 Transfer Tax	75,000		75,000						75,000
R8026 Reappropriated Transfer Tax	75,000		75,000						75,000
			0						0
			0						0
<b>Total Funds</b>	<b>1,075,000</b>	<b>0</b>	<b>1,075,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,075,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	607,275
Encumbered	0
<b>Total</b>	<b>\$607,275</b>

**PROJECT: Floor Covering Replacement****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****BB13015****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding for large scale flooring renewal in schools outside of the modernization schedule. These include carpet, vinyl composition tile and gym floor replacements.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	150,000		150,000						150,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>150,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**FUNDING SCHEDULE**

R6999 Other BOE	150,000		150,000						150,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>150,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**OPERATING BUDGET IMPACT:**

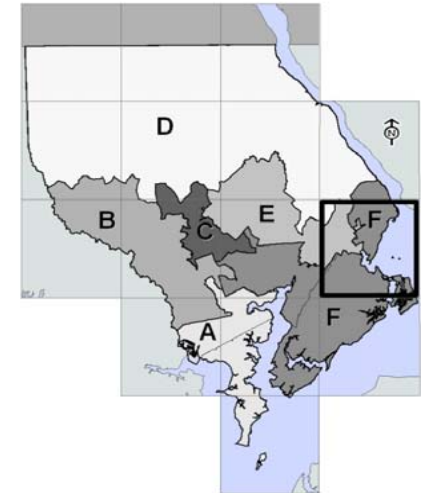
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Havre de Grace High School Field Facilities****BOARD OF EDUCATION****COUNCIL DISTRICT: F****LOCATION: Havre de Grace, MD****B134113****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding for facilities to be constructed on the athletic fields at Havre de Grace High School. These facilities will be similar to those constructed with the replacement of Bel Air High School.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,313,770		1,313,770						1,313,770
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,313,770</b>	<b>0</b>	<b>1,313,770</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,313,770</b>

**FUNDING SCHEDULE**

R6999 Other BOE	1,000,000		1,000,000						1,000,000
R8750 Paygo	313,770		313,770						313,770
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,313,770</b>	<b>0</b>	<b>1,313,770</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,313,770</b>

**OPERATING BUDGET IMPACT:**

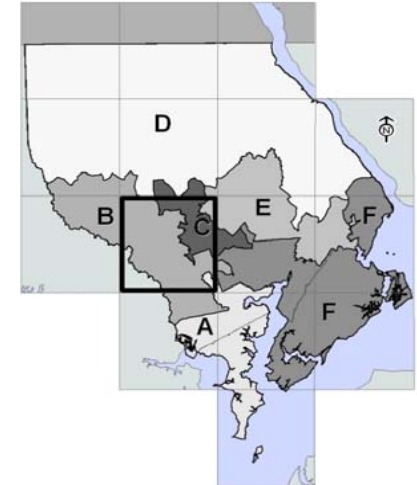
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	308,886
Encumbered	0
<b>Total</b>	<b>\$308,886</b>

**PROJECT: Homestead Wakefield ES Modernization****BOARD OF EDUCATION****COUNCIL DISTRICT: B****LOCATION: Bel Air, MD****B084113****PROJECT DESCRIPTION / JUSTIFICATION:**

Wakefield Elementary School was constructed in 1958 with a kindergarten annex in 1968 and a media center addition in 1996. Homestead Elementary School was constructed in 1966 with a media addition in 1998. A full scope study was performed during FY 08. The project calls for the full modernization of 115,458 square feet in the two building campus. A scope study was performed in FY 09 and FY 10. This scope study determined that the optimal building scheme and the proposed John Archer School at Bel Air Middle School request that the Homestead building be demolished.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	133,454		133,454						133,454
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>133,454</b>	<b>0</b>	<b>133,454</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>133,454</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	33,454		33,454						33,454
R6999 Other BOE	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>133,454</b>	<b>0</b>	<b>133,454</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>133,454</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$3,560  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	32,454
Encumbered	0
<b>Total</b>	<b>\$32,454</b>

**PROJECT: Integrated Business Systems****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B064124****PROJECT DESCRIPTION / JUSTIFICATION:**

This is an ongoing project dedicated to the upgrade and enhancement of HCPS' Enterprise Resource Planning system (Lawson). Since inception of this project (1999) funds have been requested each fiscal year to provide major system and module upgrades due to "end of life" actions by the vendor, enhancements to accommodate business process changes and efficiencies; and provide business continuance capability for disaster recovery.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	403,000		403,000						403,000
<b>Total Cost</b>	<b>403,000</b>	<b>0</b>	<b>403,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>403,000</b>

**FUNDING SCHEDULE**

R8770 Reappropriated	193,000		193,000						193,000
R1525 Transfer Tax	210,000		210,000						210,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>403,000</b>	<b>0</b>	<b>403,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>403,000</b>

**OPERATING BUDGET IMPACT:**

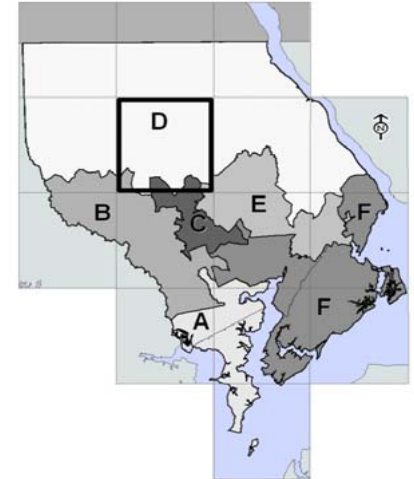
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	392,126
Encumbered	0
<b>Total</b>	<b>\$392,126</b>

**PROJECT: Jarrettsville Elementary School Comprehensive HVAC****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: Jarrettsville, MD****B124130****PROJECT DESCRIPTION / JUSTIFICATION:**

The age of the HVAC equipment and systems in this facility are at least 34 years old with the exception of the cooling tower and HVAC controller. There are numerous equipment inefficiencies, indoor air quality concerns and equipment noise issues that can be proactively addressed by performing a major comprehensive HVAC systemic project. This project replacement and/or upgrade included new boilers, chillers, related pumps, and associated equipment and Direct Digital Controls in the central plant and the rest of the building. This also includes new energy recovery air handling units including replacement of classroom unit ventilators with duct air systems with Variable Air Volume units. The kindergarten HVAC and domestic water heater systems were recently replaced and are not part of the project. The project will need to be phased over two summers and part of the school year, and will require four portable classrooms for phasing purposes.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction	3,400,000		3,400,000						3,400,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,700,000</b>	<b>0</b>	<b>3,700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,700,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	2,941,500		2,941,500						2,941,500
R6999 Other BOE	758,500		758,500						758,500
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,700,000</b>	<b>0</b>	<b>3,700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$247,859

Annual Operating/Maintenance Cost: N/A

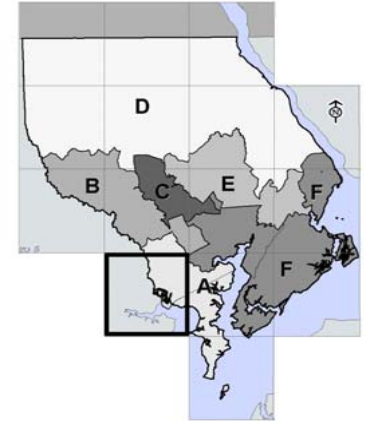
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,935,943
Encumbered	0
<b>Total</b>	<b><u>\$2,935,943</u></b>

**PROJECT: Joppatowne Elementary Modernization****BOARD OF EDUCATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne, MD****B004114****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funding for the repair of mechanical, electrical, fire alarm, and other systems within the Joppatowne Elementary School. The media center, other instructional spaces, and ancillary spaces were also modernized.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	13,533,863		13,533,863						13,533,863
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>13,533,863</b>	<b>0</b>	<b>13,533,863</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,533,863</b>

**FUNDING SCHEDULE**

R1525 Transfer Tax	466		466						466
R6999 Other	1,722,000		1,722,000						1,722,000
R7100 Prior Bonds	10,787,034		10,787,034						10,787,034
R8026 Reappropriated Transfer Tax	1,016,311		1,016,311						1,016,311
R8750 Paygo	8,052		8,052						8,052
			0						0
<b>Total Funds</b>	<b>13,533,863</b>	<b>0</b>	<b>13,533,863</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,533,863</b>

**OPERATING BUDGET IMPACT:**

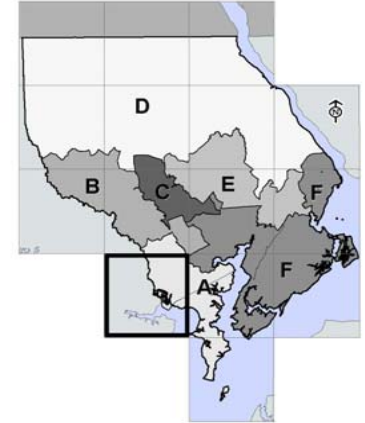
Estimated Annual Debt Service Cost: \$949,230  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	11,811,863
Encumbered	0
<b>Total</b>	<b>\$11,811,863</b>

**PROJECT: Joppatowne High School Systemic Project****BOARD OF EDUCATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne, MD****B144112****PROJECT DESCRIPTION / JUSTIFICATION:**

This project consists of a number of systemic projects, including but not limited to: concrete slab, brick veneer, roof replacement, window replacement, ADA door hardware replacement, exterior door replacement, metal pan ceiling replacement, VCT replacement, toilet partition replacement, student locker replacement, toilet room fixture replacement, HVAC systemic replacement, lighting replacement, stadium replacement and turf replacement. This project will be structured in a way to meet the State Public School Construction "Limited Renovation" category of funding, which must include five major systemic projects with one required to be an educational program upgrade. It was decided that the most appropriate programmatic need is the Homeland Security signature program. There were several conceptual design solution options developed in the Joppatowne High School scope study dated November 30, 2009. The most basic conceptual plan option "A" provides the most feasible solution in achieving the spatial program requirements. This was used as a baseline to develop this budget and for the purposes of requesting State funding for this entire project. In order for the Board of Education to obtain State Interagency Committee on Public School Construction (IAC) approval for planning and subsequent construction, \$1,000,000 of prior appropriated funds from Legislative Bill 13-19, as amended, for the Joppatowne High School Systemic Renovations will be available July 1, 2014 to be used to prepare education specifications, schematic design and design documents.

**PROJECT SCHEDULE:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,551,244		1,551,244						1,551,244
Land Acquisition			0						0
Construction	12,121,756		12,121,756						12,121,756
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>13,673,000</b>	<b>0</b>	<b>13,673,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,673,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	7,400,000		7,400,000						7,400,000
R7920 State Bonds	6,273,000		6,273,000						6,273,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>13,673,000</b>	<b>0</b>	<b>13,673,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,673,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$666,000  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

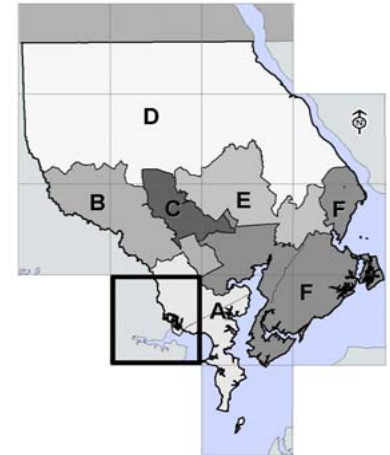
Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Joppatowne High School Weight Room Repairs****BOARD OF EDUCATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne, MD****B144133****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding to repair the weight room at Joppatowne High School.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	250,000		250,000						250,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>250,000</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>250,000</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	132,407
Encumbered	0
<b>Total</b>	<b>\$132,407</b>

**PROJECT: Locker Replacement**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**BB13016**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding for replacement of lockers of boys and girls locker rooms.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	430,000		430,000						430,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	430,000	0	430,000	0	0	0	0	0	430,000

**FUNDING SCHEDULE**

R6999 Other BOE	430,000		430,000						430,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	430,000	0	430,000	0	0	0	0	0	430,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

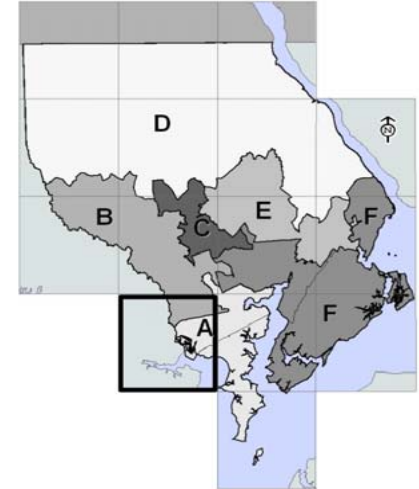
New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Magnolia Middle School Comprehensive HVAC****BOARD OF EDUCATION****COUNCIL DISTRICT: A****LOCATION: Joppa, MD****B124132****PROJECT DESCRIPTION / JUSTIFICATION:**

The age of the HVAC equipment and systems in this facility are at least 32 years old, with the exception of the cooling tower and HVAC controller. There are numerous equipment inefficiencies and noise issues, in addition to indoor air quality concerns, that could be proactively addressed with a major comprehensive HVAC systemic project. The proposed project includes new boilers, chiller, related pumps and associated equipment and DDC controls in the central plant and the rest of the building. New energy recovery air handling units, including replacement of classroom unit ventilators with duct air systems with VAV units. Although the cooling tower was replaced 10 years ago, we are expanding the cooling of the school in the gymnasium, locker rooms, multi-activity room, adjoining spaces and swimming pool for dehumidification, totaling approximately 35,000 square feet. Therefore, it may be more cost effective to replace the unit rather than modify it. We have included the cost to replace the cooling tower with a larger unit. The project will need to be phased in over two summers and will require 4 portable classrooms. This school was originally designed as an open classroom building with sprinkler coverage. Walls have been erected over the years to isolate the spaces without the required sprinkler modifications to provide adequate coverage. This will result in the sprinkler as well as fire alarm modifications to meet current codes. The electrical system is very old and parts are impossible to locate. This project will include electrical service upgrades to allow for better electrical data as well as better sub metering capabilities.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	700,000		700,000						700,000
Land Acquisition			0						0
Construction	10,361,554		10,361,554						10,361,554
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>11,061,554</b>	<b>0</b>	<b>11,061,554</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,061,554</b>

**FUNDING SCHEDULE**

R7920 State Bonds	5,295,000		5,295,000						5,295,000
R6999 Other BOE	2,254,000		2,254,000						2,254,000
R7100 Prior Bonds	3,496,955		3,496,955						3,496,955
R8750 Paygo	4,424		4,424						4,424
R1525 Transfer Tax	11,175		11,175						11,175
<b>Total Funds</b>	<b>11,061,554</b>	<b>0</b>	<b>11,061,554</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,061,554</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$279,167  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	3,379,595
Encumbered	0
<b>Total</b>	<b>\$3,379,595</b>

**PROJECT: Music Equipment Refresh Program 14****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B144113****PROJECT DESCRIPTION / JUSTIFICATION:**

This program was established in 2003 and provides funds for the replacement of musical instruments throughout the school system. Musical instruments in the school setting have varying life expectancies ranging from 6 years to 20 years depending on the type, the amount of use, and the material the instrument is constructed of. Parents are not expected to purchase these instruments due to their high cost or their special area. Basic instruments such as trumpets, trombones, clarinets, alto saxophones and flutes are not part of this program and parents are responsible to secure them from other sources. In 2002, the Music Department established a Basic Essential Music Instrument Inventory which each school must have to perform a wide range of musical literature. This basic inventory is required regardless of the size of a program, but in some instances schools may require duplicate sets of some instruments to meet the needs of musical ensembles.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	50,000		50,000						50,000
<b>Total Cost</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	50,000		50,000						50,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	47,524
Encumbered	0
<b>Total</b>	<b>\$47,524</b>

**PROJECT: Music Technology Labs Program****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B144114****PROJECT DESCRIPTION / JUSTIFICATION:**

The Music Technology lab project supports a comprehensive program which teaches technical and scientific aspects of music to high school students through a variety of technology arts classes. The program utilizes a music technology and multimedia lab which blends use of electronic devices, computer components, data storage, industry standard and musical instruments to facilitate composition, recording, playback, storage and performance. Competences include digital audio production, songwriting with music composition and digital video integration. This program provides students the core skills needed to enter a higher education institution for the entertainment industry. It also addresses funding for such program components as keyboards, software, computer hardware and related textbooks. These labs are also used for teaching AP Music Theory and Piano Lab.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	345,000		345,000						345,000
<b>Total Cost</b>	<b>345,000</b>	<b>0</b>	<b>345,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>345,000</b>

**FUNDING SCHEDULE**

R6999 Other BOE	195,000		195,000						195,000
R8750 Paygo	150,000		150,000						150,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>345,000</b>	<b>0</b>	<b>345,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>345,000</b>

**OPERATING BUDGET IMPACT:**

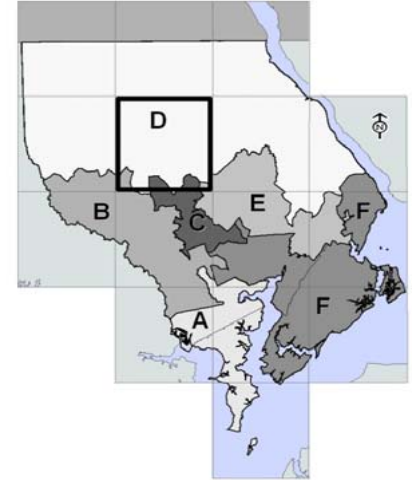
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	150,000
Encumbered	0
<b>Total</b>	<b>\$150,000</b>

**PROJECT: Norrisville Elementary School Comprehensive HVAC Systemic Project****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: White Hall, MD****B144115****PROJECT DESCRIPTION / JUSTIFICATION:**

This single story building originally constructed in 1967 consists of 25,950 square feet. The school got an addition/partial modernization in 1996 of 11,467 square feet. During this 1996 project some of the existing HVAC equipment and systems unfortunately were left in place and are well beyond their useful life. The building continues to experience high humidity levels in the cooling season, building pressurization problems, equipment noise in the classroom due to unit ventilators, and has antiquated pneumatic temperature controls which can be controlled locally and require constant repair and maintenance. It is recommended that a comprehensive HVAC systemic renovation be performed, consisting of a four-pipe HVAC system with VAV's or ducted fan coil system for the classrooms. In addition, an energy recovery type, dedicated outside air system for the classrooms as well as for the new air handling units serving the bigger spaces such as the cafetorium and media center will provide improved indoor air quality and humidity control. Building temperature controls should be upgraded with DDC type alongside more efficient boilers, chiller and pumps in the mechanical room, tower and HVAC controller.

**PROJECT SCHEDULE:****PROJECT STATUS:**

N/A

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	268,600		268,600						268,600
Land Acquisition			0						0
Construction	3,187,100		3,187,100						3,187,100
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,455,700</b>	<b>0</b>	<b>3,455,700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,455,700</b>

**FUNDING SCHEDULE**

R7920 State Bonds	1,735,700		1,735,700						1,735,700
R7100 Prior Bonds	1,720,000		1,720,000						1,720,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,455,700</b>	<b>0</b>	<b>3,455,700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,455,700</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$154,521

Annual Operating/Maintenance Cost: N/A

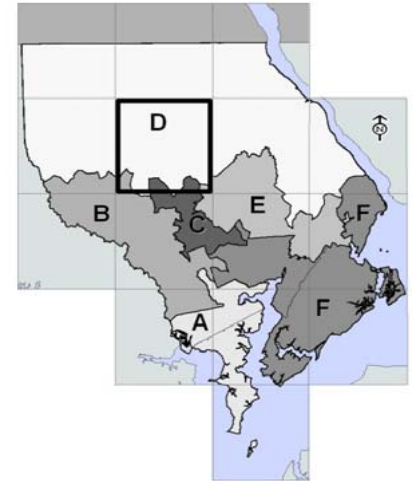
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,482,513
Encumbered	0
<b>Total</b>	<b><u>\$1,482,513</u></b>

**PROJECT: North Harford ES Comprehensive HVAC****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: Pylesville, MD****B144116****PROJECT DESCRIPTION / JUSTIFICATION:**

This single story building was originally constructed in 1984 consisting of 48,275 square feet. The HVAC system is original to the building and at the end of its anticipated life. The building is served primarily by unit ventilators in the classrooms and media center, the gymnasium and cafeteria is served by air handling units. The building experiences high humidity levels in the cooling season requiring the use of portable dehumidification units in most if not all classrooms. Building pressurization problems exist since there is no functional interlock between the building exhaust system and the unit ventilators that are introducing outside air into the building. The school also has antiquated pneumatic temperature controls and requires constant repair and maintenance. It is recommended that a comprehensive HVAC systemic renovation be performed, consisting of a four-pipe HVAC system with VAV's or ducted fan coil system for the classrooms as well as new air handling units serving the bigger spaces such as the cafeteria, gymnasium, and media center, with an energy recovery type dedicated outside air system for improved indoor air quality and humidity control. Building temperature controls should be upgraded with DDC type, alongside more efficient boilers, chiller and pumps in the mechanical room. The existing chiller is approximately 10 years old and will be reused as part of this project. The project will need to be phased over two summers and part of the school year, and will require 4 portable classrooms for phasing purposes.

**PROJECT STATUS:**

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	330,000		330,000						330,000
Land Acquisition			0						0
Construction	4,220,390		4,220,390						4,220,390
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,550,390</b>	<b>0</b>	<b>4,550,390</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,550,390</b>

**FUNDING SCHEDULE**

R7920 State Bonds	2,325,000		2,325,000						2,325,000
R6999 Other BOE	1,050,390		1,050,390						1,050,390
R7100 Prior Bonds	1,175,000		1,175,000						1,175,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,550,390</b>	<b>0</b>	<b>4,550,390</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,550,390</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$103,273  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

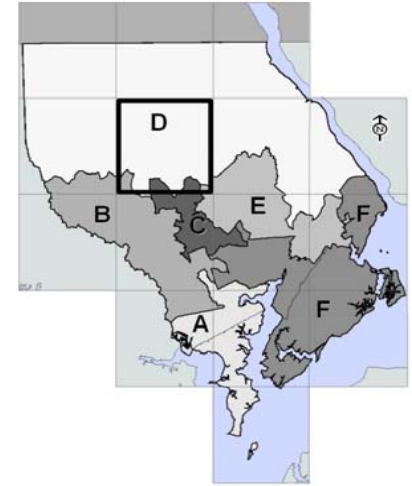
Expended	1,175,000
Encumbered	0
<b>Total</b>	<b>\$1,175,000</b>

**PROJECT: North Harford High School Modernization****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: Pylesville, MD****B984164****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funds to modernize the North Harford High School. The building was originally constructed in 1950.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project is complete; however, due to pending litigation contract close out is not complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	2,423,829		2,423,829						2,423,829
Land Acquisition			0						0
Construction	29,436,508		29,436,508						29,436,508
Inspection Fees	12,795		12,795						12,795
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>31,873,132</b>	<b>0</b>	<b>31,873,132</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,873,132</b>

**FUNDING SCHEDULE**

R1525 Transfer Tax	6,355,052		6,355,052						6,355,052
R7100 Prior Bonds	18,174,843		18,174,843						18,174,843
R8770 Reappropriated	7,343,237		7,343,237						7,343,237
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>31,873,132</b>	<b>0</b>	<b>31,873,132</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,873,132</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$1,580,703

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

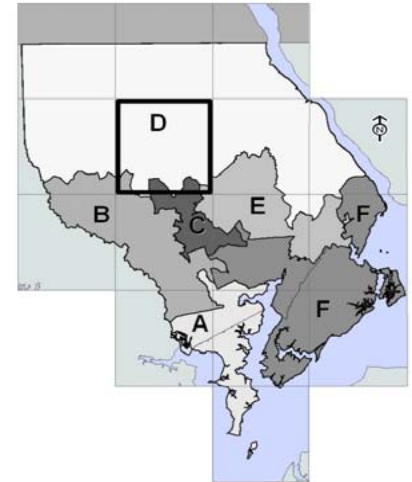
Expended	31,617,471
Encumbered	0
<b>Total</b>	<b><u>\$31,617,471</u></b>

**PROJECT: North Harford Middle School Water System****BOARD OF EDUCATION****COUNCIL DISTRICT: D****LOCATION: Pylesville, MD****B034130****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funding for a domestic water treatment system for North Harford Middle School.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project is complete, contract close out has been completed.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	50,000		50,000						50,000
Land Acquisition			0						0
Construction	211,114		211,114						211,114
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>261,114</b>	<b>0</b>	<b>261,114</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>261,114</b>

**FUNDING SCHEDULE**

R1525 Transfer Tax	157,000		157,000						157,000
R8750 Paygo	104,114		104,114						104,114
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>261,114</b>	<b>0</b>	<b>261,114</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>261,114</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	255,014
Encumbered	0
<b>Total</b>	<b><u>\$255,014</u></b>

**PROJECT: North Harford Middle School Domestic Water Improvements**

**BOARD OF EDUCATION**

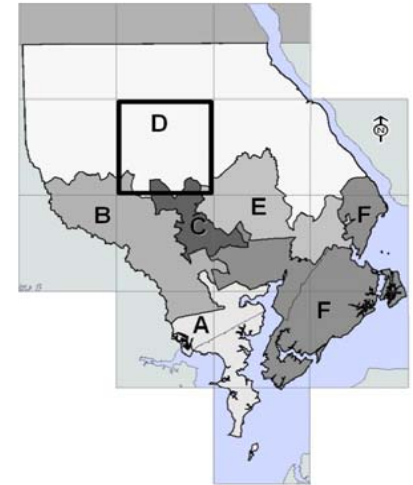
**COUNCIL DISTRICT: D**

**LOCATION: Pylesville, MD**

**B154108**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for replacement of a well and associated equipment to establish a new water supply service.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,000,000		1,000,000						1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,000,000	0	1,000,000	0	0	0	0	0	1,000,000

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,000,000		1,000,000						1,000,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,000,000	0	1,000,000	0	0	0	0	0	1,000,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$45,000

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	43,365
Encumbered	
Total	<u>\$43,365</u>

**PROJECT: Outdoor Track Reconditioning****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****BB13018****PROJECT DESCRIPTION / JUSTIFICATION:**

This account provides to maintain existing high school tracks to replace specific surface areas to provide a seamless safe surface for the use by students and the public. The funds will provide minor repair for the running tracks consisting of power washing, repair patching and new layout track lines. Due to funding limitations, the last track repair was done in 2013. This lapse in time has created a backlog in required work. Continued deferral could lead to having to close tracks, then spend more money to replace them when they become unsafe to run on.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	200,000		200,000						200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

**FUNDING SCHEDULE**

R6999 Other BOE	200,000		200,000						200,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Playground Equipment****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B144117****PROJECT DESCRIPTION / JUSTIFICATION:**

This capital project provides funds for the replacement of playground equipment at elementary schools. Schools in need of new playground equipment or schools where the equipment has been deemed unsafe, are scheduled for replacement under this project. In addition to the funding identified in the schedule below, projects may also receive funds from Harford County Parks and Recreation, Parent Teacher Associations, private contributions and/or grants. Estimates include costs to meet new stormwater and ADA requirements.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	350,000		350,000						350,000
<b>Total Cost</b>	<b>350,000</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	350,000		350,000						350,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>350,000</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**OPERATING BUDGET IMPACT:**

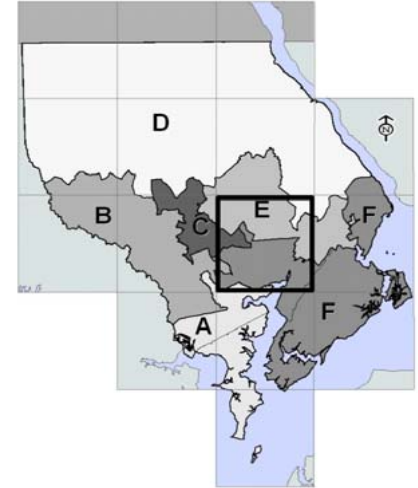
Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	313,621
Encumbered	0
<b>Total</b>	<b>\$313,621</b>

**PROJECT: Prospect Mill Elementary School HVAC****BOARD OF EDUCATION****COUNCIL DISTRICT: E****LOCATION: Bel Air, MD****B164111****PROJECT DESCRIPTION / JUSTIFICATION:**

Originally built in 1973 the building had three separate additions and renovations in 1990, 1999, and 2008 bringing the total square footage of the building to 75,538 SF. This HVAC renovation addresses the original building square footage of 54,050 SF. The existing systems consist of gas fired electrically cooled single zone packaged roof top units. These units were installed in 1998 under a systemic HVAC renovation. These type of units have a typical life of 15 years and should be replaced as part of an end of life HVAC replacement project. It is recommended that the replacement equipment be a gas fired electrically cooled VAV roof top unit with energy recovery features. This installation will be more efficient and provide better temperature and humidity control than the current HVAC system. As part of the project new ductwork and DDC controls will be installed. Also a part of this project is to convert open space classrooms to self-contained classrooms.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	4,685,000		4,685,000						4,685,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,685,000</b>	<b>0</b>	<b>4,685,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,685,000</b>

**FUNDING SCHEDULE**

R7920 State Bonds	2,391,000		2,391,000						2,391,000
R7100 Prior Bonds	2,294,000		2,294,000						2,294,000
									0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,685,000</b>	<b>0</b>	<b>4,685,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,685,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,351,660
Encumbered	0
<b>Total</b>	<b>\$1,351,660</b>

**PROJECT: Prospect Mill Elementary School**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: E**

**LOCATION: Bel Air, MD**

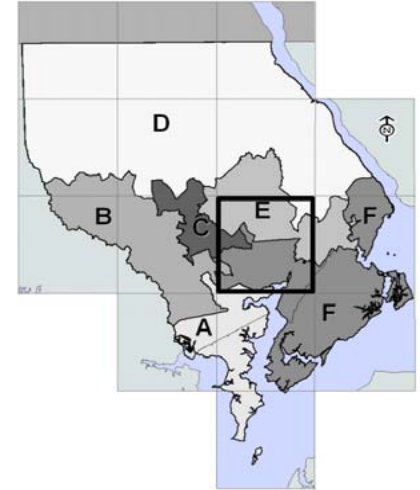
**B074144**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funds for a gymnasium addition and interior modifications to address issues generated by overcrowding. The capacity of the building was not altered.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,997,778		1,997,778						1,997,778
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,997,778	0	1,997,778	0	0	0	0	0	1,997,778

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,997,778		1,997,778						1,997,778
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,997,778	0	1,997,778	0	0	0	0	0	1,997,778

**OPERATING BUDGET IMPACT:**

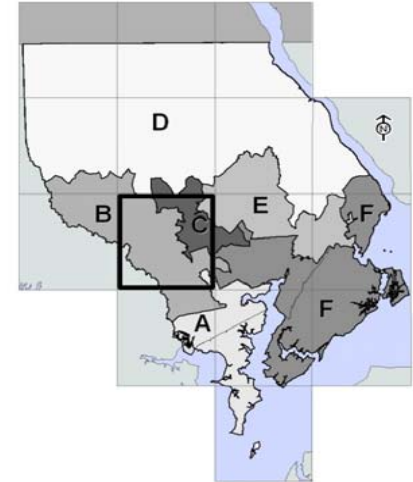
Estimated Annual Debt Service Cost: \$211,097  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,986,241
Encumbered	0
Total	<u>\$1,986,241</u>

**PROJECT: Red Pump Road Elementary School****BOARD OF EDUCATION****COUNCIL DISTRICT: C****LOCATION: Bel Air, MD****B064125****PROJECT DESCRIPTION / JUSTIFICATION:**

This new building consists of a 100,573 square foot elementary school with 22 regular, 5 kindergarten, 2 pre-kindergarten and 2 regional classroom support program classrooms. The need for this new school is based on the current overcapacity at schools to the north and east of Bel Air from past development growth and birth rate demographics. This will increase the overall elementary school State rated capacity an additional 696. The school design is a prototype building to be reused in a variety of configurations anticipating future elementary growth related to demographics as well as BRAC development. The design is modeled as a sustainable building to achieve maximum energy savings, although LEED certification was not sought. Off site sewer design services in progress and currently in the construction documentation phase. Harford County Water and Sewer Department has indicated that a public sewer pumping station will be ready for connection in the summer of 2012.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,617,017		1,617,017						1,617,017
Land Acquisition			0						0
Construction	25,670,754		25,670,754						25,670,754
Inspection Fees			0						0
Equipment/Furnishing	2,549,709		2,549,709						2,549,709
<b>Total Cost</b>	<b>29,837,480</b>	<b>0</b>	<b>29,837,480</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29,837,480</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	26,080,080		26,080,080						26,080,080
R8752 Paygo Impact Fee	2,000,000		2,000,000						2,000,000
R6999 Other BOE	1,757,400		1,757,400						1,757,400
			0						0
			0						0
<b>Total Funds</b>	<b>29,837,480</b>	<b>0</b>	<b>29,837,480</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29,837,480</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$2,085,409  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	28,079,197
Encumbered	0
<b>Total</b>	<b>\$28,079,197</b>

**PROJECT: Relocatable Classrooms****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B094120****PROJECT DESCRIPTION / JUSTIFICATION:**

The funds for this account are used to provide capacity and program space for schools that show a significant need due to variations caused by enrollment as well as other special educational programs introduced to the school. Harford County Public Schools will conduct audits annually to review enrollments, school capacities and individual school needs as outlined by Board of Education policy. We will also use these funds to move or add relocatable classrooms to support construction at a specific school by offering classroom space as needed while construction has disturbed permanent classroom space.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	2,963,896		2,963,896						2,963,896
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,963,896</b>	<b>0</b>	<b>2,963,896</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,963,896</b>

**FUNDING SCHEDULE**

R8750 Paygo	529,830		529,830						529,830
R6999 Other BOE	2,375,896		2,375,896						2,375,896
R1525 Transfer Tax	58,170		58,170						58,170
			0						0
			0						0
<b>Total Funds</b>	<b>2,963,896</b>	<b>0</b>	<b>2,963,896</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,963,896</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 01/05/17:**

Expended	188,000
Encumbered	0
<b>Total</b>	<b>\$188,000</b>

**PROJECT: Ring Factory Elementary School HVAC Equipment Replacement Project****BOARD OF EDUCATION****COUNCIL DISTRICT: C****LOCATION: Bel Air, MD****B154114****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will fund the replacement of aging central plant equipment such as chillers, cooling towers, and controls at the Ring Factory Elementary School.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	99,000		99,000						99,000
Land Acquisition			0						0
Construction	1,000,000		1,000,000						1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,099,000</b>	<b>0</b>	<b>1,099,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,099,000</b>

**FUNDING SCHEDULE**

R7920 State Bonds	629,000		629,000						629,000
R7100 Prior Bonds	470,000		470,000						470,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,099,000</b>	<b>0</b>	<b>1,099,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,099,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$42,300  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	427,997
Encumbered	
<b>Total</b>	<b><u>\$427,997</u></b>

**PROJECT: Riverside ES HVAC Systemic Renovation****BOARD OF EDUCATION****COUNCIL DISTRICT: B****LOCATION: Bel Air, MD****B174104****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will replace the HVAC system throughout the school. It will also replace exterior doors and windows for the original elementary school and the kindergarten building. The public bathrooms will be upgraded to be ADA accessible, fire sprinkler service will be extended to serve all interior spaces. LED lighting upgrades will be considered as an add alternate. Paving will be considered as an alternate. A back up generator for the school and compliance with MEMA will also be considered under this project. A new HVAC system will provide improved comfort, humidity control, greater energy efficiency and centralized systems controls.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		0	0						0
Land Acquisition			0						0
Construction	8,780,000	0	8,780,000						8,780,000
Inspection Fees		0	0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>8,780,000</b>	<b>0</b>	<b>8,780,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,780,000</b>

**FUNDING SCHEDULE**

R7920 State Bonds	4,158,000	0	4,158,000						4,158,000
R7100 Prior Bonds	4,622,000	0	4,622,000						4,622,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>8,780,000</b>	<b>0</b>	<b>8,780,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,780,000</b>

**OPERATING BUDGET IMPACT:**

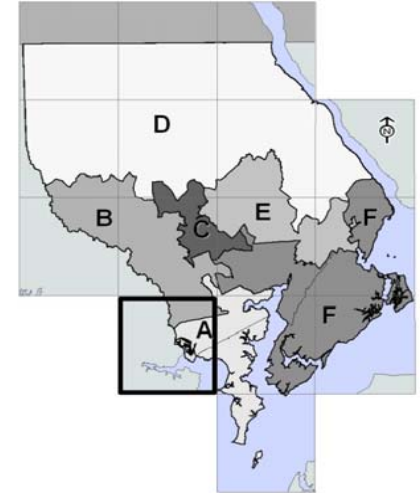
Estimated Annual Debt Service Cost: \$42,300  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended	
Encumbered	
<b>Total</b>	<b>\$0</b>

**PROJECT: Roof Replacement - Joppatowne High School****BOARD OF EDUCATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne****New****PROJECT DESCRIPTION / JUSTIFICATION:**

The periodic replacement of roof systems is necessary to prevent damage to the interior of the building and to prevent indoor air quality issues. The roof at Joppatowne High School is in need of replacement in FY 2017. The existing roof cannot wait for a future limited renovation at the school. Projects are submitted for funding consideration through the State Capital Improvement Plan request.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	204,000		204,000						204,000
Land Acquisition			0						0
Construction	2,196,000		2,196,000						2,196,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,400,000</b>	<b>0</b>	<b>2,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,400,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,115,000		1,115,000						1,115,000
R7920 State Bonds	1,285,000		1,285,000						1,285,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,400,000</b>	<b>0</b>	<b>2,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,400,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$61,943  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended	
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Roofing Replacement 07****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B074126****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funding for replacement of roof systems to prevent continuing damage to the building interior and indoor air quality issues. The projects were funded through the State Systemic Renovation program.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,236,530		1,236,530						1,236,530
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,236,530</b>	<b>0</b>	<b>1,236,530</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,236,530</b>

**FUNDING SCHEDULE**

R8750 Paygo	704,035		704,035						704,035
R7100 Prior Bonds	202,495		202,495						202,495
R1525 Transfer Tax	330,000		330,000						330,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,236,530</b>	<b>0</b>	<b>1,236,530</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,236,530</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$18,225  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,022,767
Encumbered	0
<b>Total</b>	<b><u>\$1,022,767</u></b>

**PROJECT: Security Initiative Program for Schools****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B144134****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding to support the Governor's Security Initiative Program for schools. This program will allow for the purchase and installation of surveillance systems utilizing Internet Protocol (IP) cameras that allow the transmission of camera images over the internet to give remote access to administrators and emergency response personnel.

This project will also provide for proximity cards that enhance access control. A plastic card is encoded and records who can access a specific door, including the date and time of access. Remote access control will also be included, this will provide remote door control from the main office of a building. Visitors can ring a buzzer and the receptionist will have the ability to access or deny entrance via the remote door control.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	1,728,000		1,728,000						1,728,000
<b>Total Cost</b>	<b>1,728,000</b>	<b>0</b>	<b>1,728,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,728,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	640,000		640,000						640,000
R3399 State Other	1,088,000		1,088,000						1,088,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,728,000</b>	<b>0</b>	<b>1,728,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,728,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	638,669
Encumbered	0
<b>Total</b>	<b>\$638,669</b>

**PROJECT: Security Measures**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**B054113**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Funds will be used for upgrading existing security cameras with associated equipment at each school site on a routine basis depending on age and technology advancement. These funds will be used to refresh the visitor management system approximately every 5 years.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	1,735,000		1,735,000						1,735,000
Total Cost	1,735,000	0	1,735,000	0	0	0	0	0	1,735,000

**FUNDING SCHEDULE**

R8750 Paygo	700,000		700,000						700,000
R6999 Other BOE	1,035,000		1,035,000						1,035,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,735,000	0	1,735,000	0	0	0	0	0	1,735,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	687,416
Encumbered	0
Total	<u>\$687,416</u>

**PROJECT: Septic Code Facility Upgrade****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****BB13011****PROJECT DESCRIPTION / JUSTIFICATION:**

This capital project funds septic system upgrades to the new standards of the Maryland Department of Environment. The funding allows for the design, permitting and construction of new systems as well as the repair or upgrade to failing systems currently operating.

Funds will be used to upgrade the septic systems at the following schools such as Youth's Benefit, North Harford, Norrisville, Jarrettsville, North Bend, Dublin, Churchville, Darlington and Forest Hill Elementary Schools. In addition, these funds will be used at the following schools such as Fallston Middle/High Schools, North Harford Middle/High Schools, Harford Technical High School and John Archer School. The priority order will be determined during routine inspections.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	4,910,592		4,910,592						4,910,592
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,910,592</b>	<b>0</b>	<b>4,910,592</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,910,592</b>

**FUNDING SCHEDULE**

R6999 Other BOE	4,910,592		4,910,592						4,910,592
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,910,592</b>	<b>0</b>	<b>4,910,592</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,910,592</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Special Education Facilities Improvements**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**BB13012**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This capital project funds the necessary renovation and upgrades for our facilities to comply with special education laws and mandates. The State and Local code mandates are unknown at this time, but can be issued without notice.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	200,000		200,000						200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	200,000	0	200,000	0	0	0	0	0	200,000

**FUNDING SCHEDULE**

R6999 Other BOE	200,000		200,000						200,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	200,000	0	200,000	0	0	0	0	0	200,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Stadium Upgrades - Joppatowne High School**  
**COUNCIL DISTRICT: A**                      **LOCATION: Joppatowne**

**BOARD OF EDUCATION**  
**B144119**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project consists of improvements related to safety, security and ADA to meet the latest codes.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	300,000		300,000						300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	267,773
Encumbered	0
<b>Total</b>	<b><u>\$267,773</u></b>

**PROJECT: Technology Education Lab Refresh****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****B164112****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funds to update middle and high school Technology Education (old Industrial Arts shops) classrooms with current computer equipment and technology to reflect program changes defined by MSDE. The "Foundations of Technology" (FOT) course is required for all students in Harford County Public Schools as part of the State's graduation requirement.

The implementation of these programs is an essential component of the K-12 STEM Education Strategic Plan for Harford County Public Schools.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	250,000		250,000						250,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>250,000</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>250,000</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Textbook/Supplemental Materials Refresh****BOARD OF EDUCATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****B064129****PROJECT DESCRIPTION / JUSTIFICATION:**

This project replaces textbooks, materials of instruction, and supplemental materials to provide the most current content, and to implement new instructional and assessment programs. Beginning with school year 2013-2014 the Common Core State standards will be fully implemented in all Harford County Public Schools. The Common Core State Standards establishes a single set of clear and rigorous educational standards for grades K-12 in Reading/English/Language Arts and Mathematics that the State of Maryland adopted in June, 2010. The standards are designed to ensure that students graduating from high school are prepared to enter credit bearing entry courses in two or four year college programs or enter the workforce. The standards are research and evidence based and internationally benchmarked. The Common Core Standards form the foundation for Maryland's College and Career Ready Standards. In addition, new standards are being adopted and revised by Maryland in Science, Social Studies, and other curricular areas over the next several years.

Moreover, in order to maintain high levels of student achievement, all teachers need to infuse technology in daily instruction. If teachers are not provided the necessary tools for instruction, students will ultimately be at a disadvantage when assessed on the new learning standards. The shifts in education around the Maryland College and Career Ready Standards, as well as the Partnership for Assessment of Readiness for College and Careers (PARCC) serve as a constant reminder that classroom instruction must evolve to support student achievement. Harford County Public Schools continues to research and examine textbooks, materials of instruction and supplemental materials to support the implementation of these new standards and curricula. These materials continue to become increasingly dependent on technology, such as e-textbooks, electronic resources, and software, which usually have a recurring cost associated with the initial purchase.

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	5,300,000		5,300,000						5,300,000
<b>Total Cost</b>	<b>5,300,000</b>	<b>0</b>	<b>5,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,300,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,900,000		2,900,000						2,900,000
R6999 Other BOE	2,400,000		2,400,000						2,400,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>5,300,000</b>	<b>0</b>	<b>5,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,300,000</b>

**OPERATING BUDGET IMPACT:**

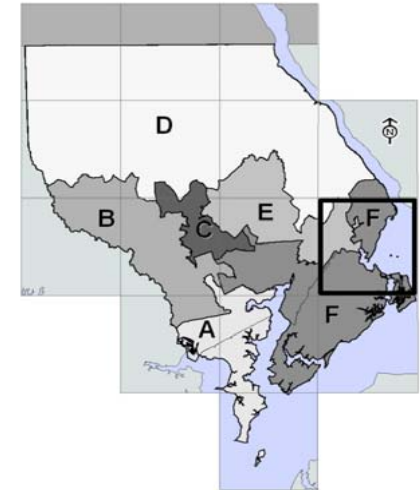
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,399,771
Encumbered	0
<b>Total</b>	<b><u>\$2,399,771</u></b>

**PROJECT: William Paca Elementary School HVAC****BOARD OF EDUCATION****COUNCIL DISTRICT: E****LOCATION: Edgewood, MD****B124128****PROJECT DESCRIPTION / JUSTIFICATION:**

This facility is a two school campus, with the original buildings constructed in 1964 with a media center. The buildings do not have air conditioning. To provide equity amongst our schools a decision was made by the Board of Education to install a minimum cost system with a 15 year minimum equipment life expectancy to provide a desirable environmental atmosphere. The scope of the work is to install a Packaged Unit Ventilator System with its own cooling/compressor system built in and would include a hot water system. Existing heating unit ventilators with surrounding casework would be removed and replaced with new compatible casework.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	3,955,057		3,955,057						3,955,057
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,955,057</b>	<b>0</b>	<b>3,955,057</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,955,057</b>

**FUNDING SCHEDULE**

R1525 Transfer Tax	375,000		375,000						375,000
R7100 Prior Bonds	3,580,057		3,580,057						3,580,057
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,955,057</b>	<b>0</b>	<b>3,955,057</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,955,057</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$294,519

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

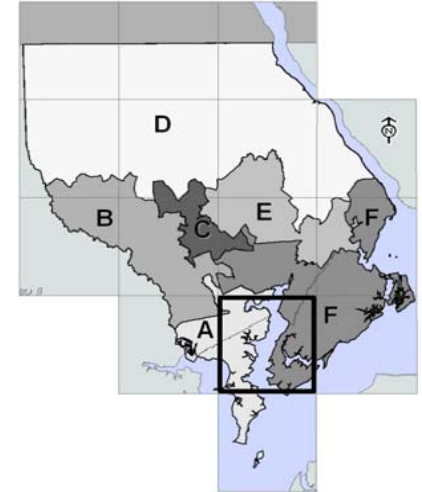
Expended	3,953,433
Encumbered	0
<b>Total</b>	<b><u>\$3,953,433</u></b>

**PROJECT: William Paca/Old Post Elementary School Open Space Enclosure****BOARD OF EDUCATION****COUNCIL DISTRICT: A****LOCATION: Abingdon****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will enclose open space Classrooms at William Paca/Old Post Elementary School. This request is consistent with the BOE's direction to increase safety and security of our schools by conversion of open floor plans to enclosed classrooms. The project is eligible for partial state funding. In addition to walls, doors and hardware, the project includes adding sprinklers to the building, replacing ceilings, and ductwork modifications required to properly ventilate the classrooms. The fire alarm system will also be upgraded at this time.

**PROJECT SCHEDULE:**

Anticipated completion of this project is December, 2018

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	257,000		257,000						257,000
Land Acquisition			0						0
Construction	2,160,000		2,160,000						2,160,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,417,000</b>	<b>0</b>	<b>2,417,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,417,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,261,000		1,261,000						1,261,000
R7920 State Bonds	1,156,000		1,156,000						1,156,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,417,000</b>	<b>0</b>	<b>2,417,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,417,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

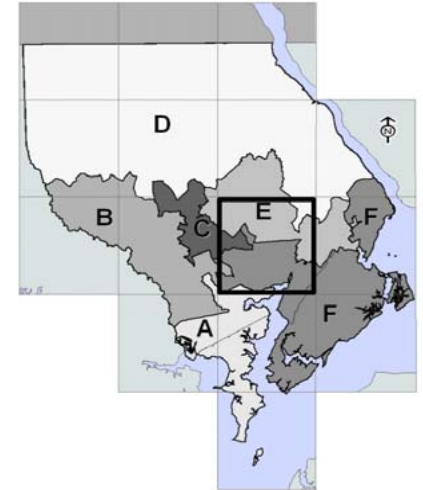
Expended	
Encumbered	0
Total	\$0

**PROJECT: William S. James ES Open Space Enclosure Project****COUNCIL DISTRICT: B****LOCATION: Abingdon****BOARD OF EDUCATION****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will enclose open space Classrooms at William S James Elementary School. This request is consistent with the BOE's direction to increase safety and security of our schools by conversion of open floor plans to enclosed classrooms. The project is eligible for partial state funding. In addition to walls, doors and hardware, the project includes adding sprinklers to the building, replacing ceilings, and ductwork modifications required to properly ventilate the classrooms. The fire alarm system will also be upgraded at this time.

**PROJECT SCHEDULE:**

Anticipated completion for this project is Fall, 2017

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	125,000		125,000						125,000
Land Acquisition			0						0
Construction	1,275,000		1,275,000						1,275,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,400,000</b>	<b>0</b>	<b>1,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,400,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	691,000		691,000						691,000
R7920 State Bonds	709,000		709,000						709,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,400,000</b>	<b>0</b>	<b>1,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,400,000</b>

**OPERATING BUDGET IMPACT:**

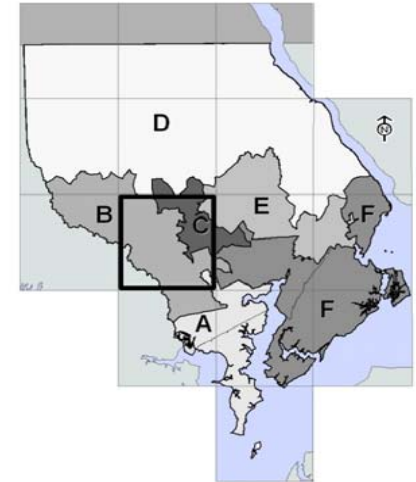
Estimated Annual Debt Service Cost:  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended	
Encumbered	0
Total	\$0

**PROJECT: Youth's Benefit Elementary School Replacement****BOARD OF EDUCATION****COUNCIL DISTRICT: B****LOCATION: Fallston, MD****B074127****PROJECT DESCRIPTION / JUSTIFICATION:**

This facility is a two school campus, with the original buildings constructed in 1953 and 1973, respectively. A scope study was completed in the spring of 2007 after the BOE approved this project in FY 07. The study showed from a site logistic, instructional perspective, age of infrastructure and operational management during construction, that the two existing buildings should be demolished in phases to allow for one new replacement school. A State feasibility waiver request was approved by the State and a determination on funding support was offered. The design for this project has already been started and reached a 60% design development state prior to the project being placed on hold due to funding constraints.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Construction contracts have been awarded. Permitting is in process.

Based on current schedule the anticipated completion and occupancy for this project is August, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	3,510,600		3,510,600						3,510,600
Land Acquisition			0						0
Construction	39,207,266		39,207,266						39,207,266
Inspection Fees	3,240,000		3,240,000						3,240,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>45,957,866</b>	<b>0</b>	<b>45,957,866</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45,957,866</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	33,396,600		33,396,600						33,396,600
R7920 State Bonds	10,250,000		10,250,000						10,250,000
R7100 Prior Bonds (Bond Bill 11-25)	2,311,266		2,311,266						2,311,266
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>45,957,866</b>	<b>0</b>	<b>45,957,866</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45,957,866</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$2,054,000

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	22,446,031
Encumbered	0
<b>Total</b>	<b>\$22,446,031</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				
					FY 2020	FY 2021	FY 2022	FY 2023	
<b>SOLID WASTE SERVICES</b>									
<b><u>FY 18 Funded Projects:</u></b>									
HWDC Expansion	20,970,354	20,570,354	400,000	0	0	0	0	0	0
HWDC Pavement Upgrades	600,000	200,000	200,000	200,000	0	0	0	0	0
Scarboro Landfill Groundwater Treatment Plant Upgrades	250,000	100,000	150,000	0	0	0	0	0	0
Tollgate Yard Trim Recycling Center 15	975,081	1,375,081	(400,000)	0	0	0	0	0	0
Waste to Energy Facility Closure	6,113,753	4,803,753	1,310,000	0	0	0	0	0	0
<b><u>Open Projects:</u></b>		0	0	0	0	0	0	0	0
Environmental Studies and Projects	1,440,900	1,440,900	0	0	0	0	0	0	0
Former Spencers Landfill Closure (East Side)	6,700,000	6,700,000	0	0	0	0	0	0	0
Full Cost Accounting Study	300,000	300,000	0	0	0	0	0	0	0
HWDC Compost Area Facilities	525,000	525,000	0	0	0	0	0	0	0
HWDC Landfill Capping	9,320,000	9,320,000	0	0	0	0	0	0	0
Tollgate Landfill Gas System	1,034,679	1,034,679	0	0	0	0	0	0	0
<b>Solid Waste Services Total by Project</b>	<b>48,229,767</b>	<b>46,369,767</b>	<b>1,660,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Paygo	24,071,043	22,211,043	1,660,000	200,000	0	0	0	0	0
Reappropriated	2,693,283	2,693,283	0	0	0	0	0	0	0
Future Bonds	0	0	0	0	0	0	0	0	0
Prior Bonds	21,125,441	21,125,441	0	0	0	0	0	0	0
Other	340,000	340,000	0	0	0	0	0	0	0
<b>Solid Waste Services Total by Fund</b>	<b>48,229,767</b>	<b>46,369,767</b>	<b>1,660,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

SOLID WASTE SERVICES

SOLID WASTE SERVICES

HWDC Expansion	400,000	0	0	400,000	0	0	0	0	0	0	0	0	0
HWDC Pavement Upgrades	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Scarboro Landfill Groundwater Treatment Plan Eval & Upgrades	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Tollgate Yard Trim Recycling Center	(400,000)	0	0	(400,000)	0	0	0	0	0	0	0	0	0
Waste to Energy Facility Closure	1,310,000		1,310,000										

SUB-TOTAL SOLID WASTE CAPITAL	1,660,000	0	1,660,000	0	0	0	0	0	0	0	0	0	0
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**PROJECT: HWDC Expansion****SOLID WASTE****COUNCIL DISTRICT: D****LOCATION: Street, MD****D945610****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the permitting, engineering, and construction of landfill cells, a landfill gas control system, leachate management, office facilities, and facility related activities, equipment, appurtenances and land acquisition for additional buffer area and for future operations of the Harford Waste Disposal Center (HWDC).

This project is related to the Harford County Government Ten Year Solid Waste Management Plan.

**PROJECT SCHEDULE:**

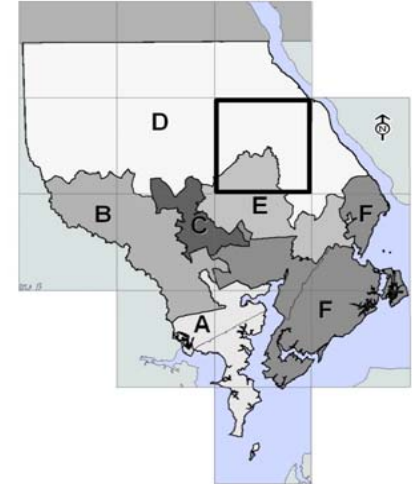
FY17: Install compactors and HODO kiosk. Design stormwater diversion in Cell N2.

FY18: Install stormwater diversion in Cell N2. Replace inbound scale.

**PROJECT STATUS:**

This project is ongoing

Reappropriate \$400,000 from D155602 Tollgate Yard Trim Recycling Center 15

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,081,013	100,000	1,181,013						1,181,013
Land Acquisition	1,900,000		1,900,000						1,900,000
Construction	17,589,340	150,000	17,739,340						17,739,340
Inspection Fees			0						0
Equipment/Furnishing		150,000	150,000						150,000
<b>Total Cost</b>	<b>20,570,353</b>	<b>400,000</b>	<b>20,970,353</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,970,353</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	18,601,127	400,000	19,001,127						19,001,127
R8750 Paygo	800,000		800,000						800,000
R8089 Reappropriated Paygo	1,169,227		1,169,227						1,169,227
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>20,570,354</b>	<b>400,000</b>	<b>20,970,354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,970,354</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$1,880,855

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	19,521,623
Encumbered	777,799
<b>Total</b>	<b>\$20,299,422</b>

**PROJECT: HWDC Pavement Upgrades****SOLID WASTE****COUNCIL DISTRICT: D****LOCATION: Street, MD****D155601****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the repair, upgrade and replacement of concrete and paved surfaces at the Harford Waste Disposal Center (HWDC). Wear is due to the heavy daily use by commercial and private vehicles and heavy landfill equipment. Existing pavement sections are failing. Pavement repair has been deferred since 2007.

Initial projects include the repair of deteriorated pavement area at the Homeowner Bins, Maintenance Shop, Leachate Road and Compost Facility.

**PROJECT SCHEDULE:**

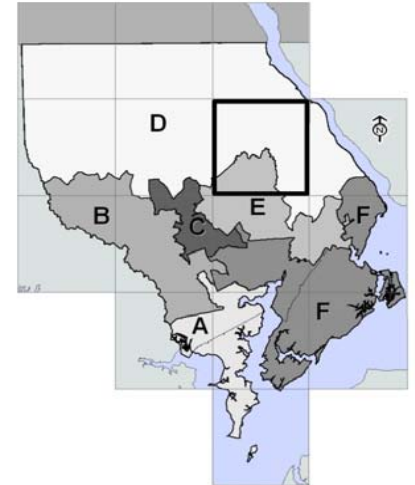
FY17: Landfill entrance and homeowner drop-off area

FY18: Leachate access road

FY19: Compost Facility

**PROJECT STATUS:**

On going

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	200,000	200,000	400,000	200,000					600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>200,000</b>	<b>200,000</b>	<b>400,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	199,857		199,857						199,857
R8750 Paygo	143	200,000	200,143	200,000					400,143
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>200,000</b>	<b>400,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Scarboro Landfill Groundwater Treatment Plant Evaluation and Upgrades****SOLID WASTE****COUNCIL DISTRICT: D****LOCATION: Street, MD****D174108****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the evaluation of the existing groundwater treatment system including additional monitoring to determine modifications for proper treatment of groundwater affected by the Scarboro Landfill. Proper operation of the treatment plant is required by a consent order and permit conditions issued by the Maryland Department of the Environment.

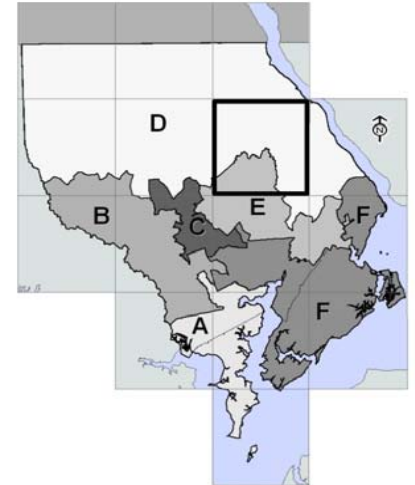
**PROJECT SCHEDULE:**

Evaluation FY17

Design and construction FY2018 - FY2019

**PROJECT STATUS:**

On going

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	100,000	50,000	150,000						150,000
Land Acquisition			0						0
Construction		100,000	100,000						100,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>100,000</b>	<b>150,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	100,000	150,000	250,000						250,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>100,000</b>	<b>150,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

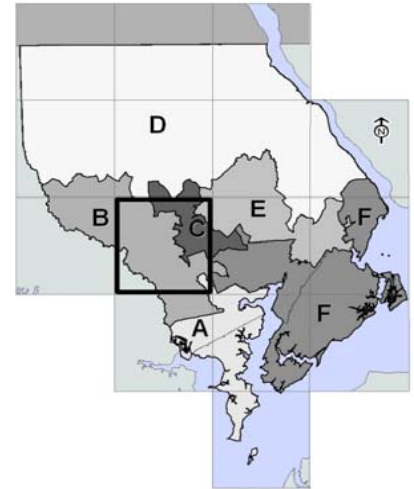
Expended

Encumbered

Total \$0

**PROJECT: Tollgate Yard Trim Recycling Center 15****SOLID WASTE****COUNCIL DISTRICT: C****LOCATION: Bel Air, MD****D155602****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the design and construction of a new permanent facility at the Tollgate Landfill site for yard trim material collection and transportation. The project includes a new customer service building with personnel facilities, a new storage building for materials and equipment, site utilities and lighting, improvements to site security, stormwater management facilities, and paving. The new design will improve safety and service to over 2,000 customers per day. This project is related to the Harford County Ten Year Solid Waste Management Plan to promote recycling and provide for proper solid waste management.

**PROJECT SCHEDULE:**

Begin design in FY15

**PROJECT STATUS:**

Project is ongoing in a reduced scope

Reappropriate \$400,000 to D945610 HWDC Expansion capital project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,375,081	(400,000)	975,081						975,081
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,375,081</b>		<b>975,081</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>975,081</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	25,767		25,767						25,767
R7100 Prior Bonds	1,349,314	(400,000)	949,314						949,314
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,375,081</b>	<b>(400,000)</b>	<b>975,081</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>975,081</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$134,651

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	25,000
Encumbered	0
<b>Total</b>	<b>\$25,000</b>

**PROJECT: Waste-To-Energy Facility Closure****SOLID WASTE****COUNCIL DISTRICT: A****LOCATION: Joppa****D145602****PROJECT DESCRIPTION / JUSTIFICATION:**

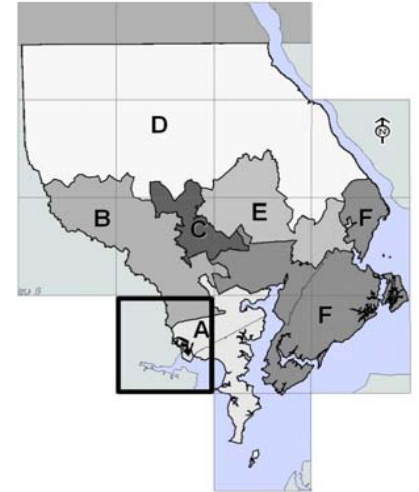
This project provides for decommissioning and demolition and site restoration for the Harford Waste-To-Energy facility.

**PROJECT SCHEDULE:**

Project is on-going

**PROJECT STATUS:**

Project is on-going

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	400,000		400,000						400,000
Land Acquisition			0						0
Construction	4,403,753	1,310,000	5,713,753						5,713,753
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,803,753</b>	<b>1,310,000</b>	<b>6,113,753</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,113,753</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	803,753		803,753						803,753
R8750 Paygo	4,000,000	1,310,000	5,310,000						5,310,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,803,753</b>	<b>1,310,000</b>	<b>6,113,753</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,113,753</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	334,254
Encumbered	794,443
<b>Total</b>	<b>\$1,128,697</b>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Environmental Studies and Projects****SOLID WASTE****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****D935602****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for continued groundwater and related environmental investigations at County-owned and/or operated landfills, as well as other various County projects and property acquisitions involving the environment.

This project relates to the Harford County Ten-Year Solid Waste Management Plan.

**PROJECT SCHEDULE:**

This project is on-going

**PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,440,900		1,440,900						1,440,900
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,440,900</b>	<b>0</b>	<b>1,440,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,440,900</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,040,900		1,040,900						1,040,900
R6999 Other	340,000		340,000						340,000
R8089 Reappropriated Paygo	60,000		60,000						60,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,440,900</b>	<b>0</b>	<b>1,440,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,440,900</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,138,882
Encumbered	94,110
<b>Total</b>	<b><u>\$1,232,992</u></b>

**PROJECT: Former Spencers Landfill Closure (East Side)****SOLID WASTE****COUNCIL DISTRICT: F****LOCATION: Abingdon, MD****D125601****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the design and construction of landfill cap and site restoration. This project is necessary to comply with the requirements and schedule mandated by the Maryland Department of the Environment (MDE) by an executed consent agreement.

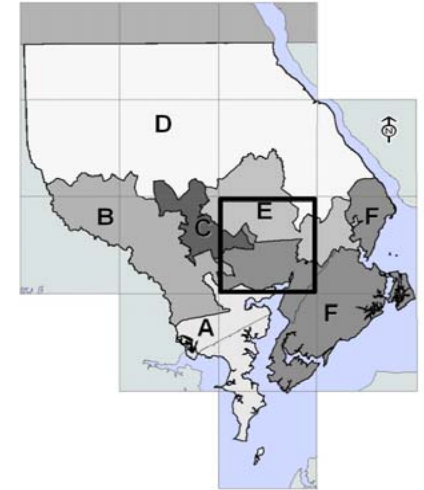
**PROJECT SCHEDULE:**

FY 13-14: Design and permitting

FY 15-16: Construction

**PROJECT STATUS:**

In progress.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	400,000		400,000						400,000
Land Acquisition			0						0
Construction	6,300,000		6,300,000						6,300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>6,700,000</b>	<b>0</b>	<b>6,700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,700,000</b>

**FUNDING SCHEDULE**

R8770 Reappropriated	400,000		400,000						400,000
R8750 Paygo	6,300,000		6,300,000						6,300,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>6,700,000</b>	<b>0</b>	<b>6,700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: \$78,000  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	4,825,506
Encumbered	1,187,433
<b>Total</b>	<b>\$6,012,939</b>

**PROJECT: Full Cost Accounting Study**

**SOLID WASTE**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**D145601**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will fund an evaluation of solid waste disposal systems costs as required to develop a long-term business plan and fee structure.



**PROJECT SCHEDULE:**

Complete work in FY14 and FY15

**PROJECT STATUS:**

Underway

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	300,000	0	300,000	0	0	0	0	0	300,000

**FUNDING SCHEDULE**

R8750 Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	300,000	0	300,000	0	0	0	0	0	300,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

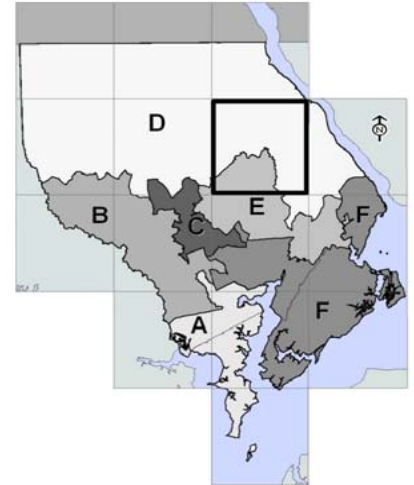
**Financial Activity as of 1/5/17:**

Expended	235,040
Encumbered	64,960
Total	<u>\$300,000</u>

**PROJECT: HWDC Compost Area Facilities****SOLID WASTE****COUNCIL DISTRICT: D****LOCATION: Street, MD****D075601****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide for basic facilities for personnel at the Harford Waste Disposal Center (HWDC) Compost Facility to include indoor restrooms, running water and a break/lunch room area. The current building does not have indoor restrooms or running water; employees are required to use outdoor portable restrooms and handwash stations. This project includes electric, new well and septic, heating, ventilation, air conditioning, water storage and other appurtenances for the mulch and compost operations.

This project is based on the Solid Waste Management Plan to provide for the processing of yard trim materials not permitted to be landfilled.

**PROJECT SCHEDULE:**

FY 2015 Initiate design and construction of facilities.

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	525,000		525,000						525,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>525,000</b>	<b>0</b>	<b>525,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>525,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	525,000		525,000						525,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>525,000</b>	<b>0</b>	<b>525,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>525,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$53,920

Annual Operating/Maintenance Cost: N/A

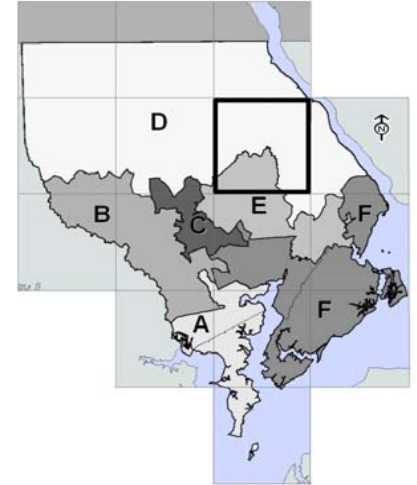
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	31,045
Encumbered	0
<b>Total</b>	<b>\$31,045</b>

**PROJECT: HWDC Landfill Capping****SOLID WASTE****COUNCIL DISTRICT: D****LOCATION: Street, MD****D105601****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the planning, design, and construction of the capping system required by the Refuse Disposal Permit to properly close completed landfill cells at the Harford Waste Disposal Center (HWDC).

**PROJECT SCHEDULE:**

Complete construction in FY17

**PROJECT STATUS:**

Under construction

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	400,000		400,000						400,000
Land Acquisition			0						0
Construction	8,770,000		8,770,000						8,770,000
Inspection Fees	150,000		150,000						150,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>9,320,000</b>	<b>0</b>	<b>9,320,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,320,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	9,320,000		9,320,000						9,320,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>9,320,000</b>	<b>0</b>	<b>9,320,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,320,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

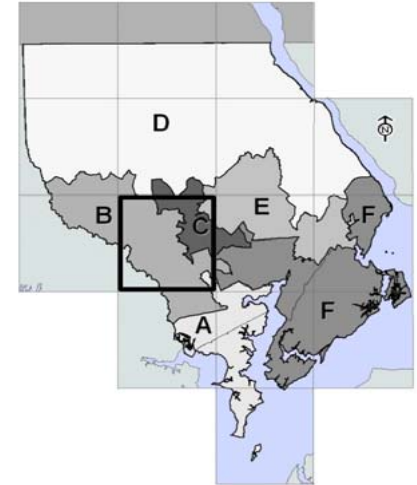
Expended	8,027,675
Encumbered	436,128
<b>Total</b>	<b><u>\$8,463,803</u></b>

**PROJECT: Tollgate Landfill Gas System****SOLID WASTE****COUNCIL DISTRICT: C****LOCATION: Bel Air, MD****D065601****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to upgrade the system operating controls, evaluate and install energy recovery systems, and replace the existing flare with appropriately sized units. This upgrade is required to ensure continued operation of the landfill gas control system and protect life and property

**PROJECT SCHEDULE:****PROJECT STATUS:**

complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0						0
Construction	884,679		884,679						884,679
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,034,679</b>	<b>0</b>	<b>1,034,679</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,034,679</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	650,000		650,000						650,000
R8089 Reappropriated Paygo	34,679		34,679						34,679
R8750 Paygo	350,000		350,000						350,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,034,679</b>	<b>0</b>	<b>1,034,679</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,034,679</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$66,030

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,033,333
Encumbered	497
<b>Total</b>	<b><u>\$1,033,830</u></b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b><u>PARKS &amp; RECREATION FUND</u></b>								
<b><u>FY 18 Funded Projects:</u></b>								
ADA Improvements	629,307	284,307	120,000	75,000	75,000	0	0	75,000
Anita C. Leight Improvements	955,000	730,000	25,000	200,000	0	0	0	0
Athletic Field Improvements	15,800,000	11,000,000	1,400,000	150,000	1,400,000	575,000	575,000	700,000
Bush River Dredging and DMP Site 16	1,675,000	0	100,000	1,575,000	0	0	0	0
Canoe and Kayak Water Access	1,005,000	450,000	280,000	0	75,000	200,000	0	0
Cedar Lane Sports Complex Improvements	2,761,000	2,161,000	100,000	100,000	100,000	100,000	100,000	100,000
East Baker Avenue Pedestrian Bridge	100,000	0	100,000	0	0	0	0	0
Eden Mill Park Rehabilitation	1,005,000	855,000	100,000	0	0	50,000	0	0
Edgely Grove Farm	140,000	0	40,000	0	100,000	0	0	0
Emily Bayliss Graham Park	2,800,000	1,575,000	200,000	0	525,000	500,000	0	0
Emmorton Recreation & Tennis Center Improvements	1,085,000	970,000	15,000	100,000	0	0	0	0
Enlarged Gymnasiums & Joint Facilities	1,200,000	600,000	600,000	0	0	0	0	0
Facility Renovations	625,000	0	225,000	100,000	100,000	100,000	100,000	0
Flying Point Improvements	303,000	124,000	179,000	0	0	0	0	0
Forest Hill Recreation Complex Improvements	800,000	0	200,000	600,000	0	0	0	0
Fox Meadows Park Improvements	350,000	0	100,000	250,000	0	0	0	0
Francis Silver-Park Improvement	425,000	25,000	400,000	0	0	0	0	0
Gunpowder River Dredging	1,974,000	1,434,000	330,000	210,000	0	0	0	0
Gymnasium Floor Repair and Renovation	435,000	0	60,000	75,000	75,000	75,000	75,000	75,000
Indoor Recreation Facility-Forest Hill/Hickory	1,474,000	1,224,000	250,000	0	0	0	0	0
Joppatowne Area Dredging	1,090,000	990,000	100,000	0	0	0	0	0
Liriodendron Improvements	10,000	145,000	(135,000)	0	0	0	0	0
Natural Turf Improvements	1,840,000	1,090,000	150,000	150,000	150,000	150,000	75,000	75,000
Park Improvements	330,000	0	80,000	50,000	50,000	50,000	50,000	50,000
Parking Lot Paving	1,159,000	499,000	250,000	55,000	150,000	55,000	0	150,000
Parkland Acquisition	10,441,000	5,306,000	1,050,000	740,000	795,000	850,000	850,000	850,000
Playground Equipment	3,005,000	1,805,000	225,000	150,000	150,000	225,000	225,000	225,000
Swan Harbor Farm Improvements	1,664,000	539,000	75,000	0	0	1,050,000	0	0
Tennis/Multipurpose Court	1,240,000	640,000	100,000	100,000	100,000	100,000	100,000	100,000
Trails & Linear Parks	6,100,000	2,550,000	1,550,000	0	0	2,000,000	0	0
Tudor Hall Rehabilitation	550,000	500,000	50,000	0	0	0	0	0
<b><u>Outyear Projects:</u></b>								
Aberdeen Activity Center	8,500,000	0	0	0		500,000	8,000,000	0
Backstop Renovations	570,000	270,000	0	50,000	100,000	50,000	50,000	50,000
Benson Field Development	1,100,000	0	0	0	0	100,000	500,000	500,000
Blake's Venture Park	700,000	0	0	0	0	100,000	0	600,000
Bleacher Renovations	810,000	430,000	0	60,000	80,000	80,000	80,000	80,000
Bulkhead Renovations	650,000	0	0	40,000	535,000	0	75,000	0
Darlington Park Development	2,095,000	1,895,000	0	0	200,000	0	0	0
Disc Golf Course	100,000	50,000	0	0	0	50,000	0	0
Edgewood Recreation and Community Center	250,000	100,000	0	0	150,000	0	0	0
Edgewood Recreation Park	650,000	0	0	500,000	50,000	0	100,000	0
Equestrian Center Improvements	625,000	325,000	0	100,000	100,000	100,000	0	0
Jarrettsville Recreation Center	7,010,775	510,775	0	0	0	0		6,500,000
Joppa/Joppatowne Youth/Senior Center	500,000	0	0	0	0	0	0	500,000
Magnolia Complex Development	2,480,000	2,055,000	0	0	425,000	0	0	0
Mariner Point Park Renovations	411,000	361,000	0	0	0	0	0	50,000

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b><u>PARKS &amp; RECREATION FUND</u></b>								
<b><u>Outyear Projects (cont.):</u></b>								
Norrisville Park	1,325,000	0	0	0	125,000	525,000	525,000	150,000
Northern Regional Park	1,075,000	575,000	0	0	0	0	500,000	0
Perryman Park Development	250,000	0	0	0	0	125,000	125,000	0
Prospect Mill Park	600,000	0	0	100,000	500,000	0	0	0
Red Pump Elementary School Facilities	175,000	0	0	0	0	50,000	125,000	0
Robert Copenhagen Park Improvements	550,000	300,000	0	0	0	0	0	250,000
Rockfield Park Improvements	370,000	170,000	0	0	100,000	100,000	0	0
SWM Pond Repair and Renovation	800,000	450,000	0	110,000	0	120,000	0	120,000
Tollgate Woodshop	75,000	25,000	0	0	50,000	0	0	0
Vale Road Park	1,100,000	0	0	0	0	100,000	1,000,000	0
<b><u>Open Projects:</u></b>								
Abingdon Road Park	150,000	150,000	0	0	0	0	0	0
Broad Creek Boat Launch Ramp	679,000	679,000	0	0	0	0	0	0
Churchville Center Renovations	575,000	575,000	0	0	0	0	0	0
Churchville Complex Development	8,556,830	8,556,830	0	0	0	0	0	0
Debris/Derelict Boats	100,000	100,000	0	0	0	0	0	0
Demarco Memorial Park Improvements	40,000	40,000	0	0	0	0	0	0
Edgeley Grove Farm-Smith Property	4,350,000	4,350,000	0	0	0	0	0	0
Facility Renovations	1,205,000	1,205,000	0	0	0	0	0	0
Fallston Maintenance Shop	50,000	50,000	0	0	0	0	0	0
Fallston Recreation Complex Improvements	325,000	325,000	0	0	0	0	0	0
Heavenly Waters Park - Soma	100,000	100,000	0	0	0	0	0	0
Heavenly Waters Park	2,120,000	2,120,000	0	0	0	0	0	0
Jarrettsville Complex Restrooms	350,000	350,000	0	0	0	0	0	0
McFaul Activity Center Renovations	251,000	251,000	0	0	0	0	0	0
Nuttall Avenue Park Development	500,000	500,000	0	0	0	0	0	0
Oakington Farms - Tydings Park	1,900,000	1,900,000	0	0	0	0	0	0
Park Improvements	780,000	780,000	0	0	0	0	0	0
Promenade Park	15,000	15,000	0	0	0	0	0	0
Schucks Road Regional Complex	8,110,415	8,110,415	0	0	0	0	0	0
Tydings Park Improvemens	400,000	400,000	0	0	0	0	0	0
Parks & Rec Total by Project	126,299,327	73,570,327	8,319,000	5,640,000	6,260,000	8,080,000	13,230,000	11,200,000
Paygo	3,583,322	3,583,322	0	0	0	0	0	0
Paygo - Hotel Tax Revenue		0	350,000	100,000	100,000	100,000	100,000	100,000
Paygo - Parks and Recreation Fund		0	75,000	0	0	0	0	0
Future Bonds	22,450,000	0	2,000,000	150,000	1,400,000	2,125,000	9,075,000	7,700,000
Prior Bonds	22,006,830	22,006,830	0	0	0	0	0	0
Reappropriated	5,519,935	5,119,935	400,000	0	0	0	0	0
Recordation Tax	29,218,933	16,373,933	2,075,000	1,625,000	1,990,000	2,395,000	2,495,000	2,265,000
State	6,895,000	4,091,000	449,000	1,740,000	540,000	0	75,000	0
Program Open Space	17,126,000	10,326,000	1,400,000	1,050,000	1,325,000	800,000	1,300,000	925,000
Federal	5,325,000	3,325,000	1,000,000	0	0	1,000,000	0	0
Developer	1,490,000	1,135,000	105,000	75,000	25,000	50,000	50,000	50,000
Other	11,759,307	7,609,307	465,000	900,000	880,000	1,610,000	135,000	160,000
Parks & Rec Total by Fund	126,299,327	73,570,327	8,319,000	5,640,000	6,260,000	8,080,000	13,230,000	11,200,000
<b>TOTAL PARKS &amp; RECREATION CAPITAL</b>	<b>126,299,327</b>	<b>73,570,327</b>	<b>8,319,000</b>	<b>5,640,000</b>	<b>6,260,000</b>	<b>8,080,000</b>	<b>13,230,000</b>	<b>11,200,000</b>

FY 18 APPROVED CAPITAL BUDGET

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<u>PARKS &amp; RECREATION FUND</u>													
<u>PARKS &amp; RECREATION</u>													
ADA Improvements	120,000	0	0	0	0	0	0	50,000	0	0	0	0	70,000
Anita C. Leight Improvements	25,000	0	0	0	0	0	0	25,000	0	0	0	0	0
Athletic Field Improvements	1,400,000	0	0	0	1,400,000	0	0	0	0	0	0	0	0
Bush River Dredging and DMP Site	100,000	0	0	0	0	0	0	0	100,000	0	0	0	0
Canoe and Kayak Water Access	280,000	0	0	0	0	0	0	280,000	0	0	0	0	0
Cedar Lane Sports Complex Improvements**	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
East Baker Avenue Pedestrian Bridge	100,000	0	0	0	0	100,000	0	0	0	0	0	0	0
Eden Mill Park Rehabilitation	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Edgeley Grove Farm	40,000	0	0	0	0	0	0	40,000	0	0	0	0	0
Emily Bayliss Graham Park	200,000	0	0	0	0	200,000	0	0	0	0	0	0	0
Emmorton Recreation and Tennis Center Improvements	15,000	0	0	0	0	0	0	15,000	0	0	0	0	0
Enlarged Gymnasiums & Joint Facilities	600,000	0	0	0	600,000	0	0	0	0	0	0	0	0
Facility Renovations	225,000	0	0	0	0	0	0	125,000	0	0	0	0	100,000
Flying Point Park Improvements	179,000	0	0	0	0	0	0	80,000	99,000	0	0	0	0
Forest Hill Recreation Complex Improvements	200,000	0	0	0	0	0	0	0	0	0	0	0	200,000
Fox Meadows Park Improvements	100,000	0	0	0	0	100,000	0	0	0	0	0	0	0
Francis Silver Park Improvements	400,000	0	0	0	0	0	0	200,000	0	200,000	0	0	0
Gunpowder River Dredging	330,000	0	0	0	0	0	0	130,000	200,000	0	0	0	0
Gymnasium Floor Repair and Renovation	60,000	0	0	0	0	0	0	40,000	0	0	0	0	20,000
Indoor Recreation Facility-Forest Hill/Hickory	250,000	0	0	0	0	0	0	250,000	0	0	0	0	0
Joppatowne Area Dredging	100,000	0	0	0	0	0	0	50,000	50,000	0	0	0	0
Liriodendron Improvements	(135,000)	0	0	0	0	0	0	(135,000)	0	0	0	0	0
Natural Turf Improvements	150,000	0	0	0	0	0	0	100,000	0	0	0	0	50,000
Park Improvements	80,000	0	0	0	0	0	0	50,000	0	0	0	30,000	0
Parking Lot Paving	250,000	0	0	0	0	0	0	250,000	0	0	0	0	0
Parkland Acquisition	1,050,000	0	0	0	0	0	0	50,000	0	1,000,000	0	0	0
Playground Equipment	225,000	0	0	0	0	0	0	125,000	0	0	0	75,000	25,000
Swan Harbor Farm Improvements*	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Tennis/Multipurpose Court	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Trails and Linear Parks**	1,550,000	0	250,000	0	0	0	0	100,000	0	200,000	1,000,000	0	0
Tudor Hall Rehabilitation	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0

\*Swan Harbor Special Paygo

\*\*Paygo - Hotel Tax Revenue

TOTAL PARKS & RECREATION CAPITAL	8,319,000	0	425,000	0	2,000,000	400,000	0	2,075,000	449,000	1,400,000	1,000,000	105,000	465,000
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**PROJECT: ADA Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P144120****PROJECT DESCRIPTION / JUSTIFICATION:**

This project reflects Harford County's commitment to provide access to County parks for individuals with disabilities. All new and recently reconstructed facilities meet these standards. Inspections of older facilities have identified needed improvements. This project will provide funding for the necessary engineering and construction. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY18: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	284,307	120,000	404,307	75,000	75,000			75,000	629,307
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>284,307</b>	<b>120,000</b>	<b>404,307</b>	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>75,000</b>	<b>629,307</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	250,000	50,000	300,000	50,000	75,000			50,000	475,000
R6999 Other	34,307	70,000	104,307	25,000				25,000	154,307
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>284,307</b>	<b>120,000</b>	<b>404,307</b>	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>75,000</b>	<b>629,307</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	140,373
Encumbered	0
<b>Total</b>	<b>\$140,373</b>

**PROJECT: Anita C. Leight Center Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Abingdon****P104119****PROJECT DESCRIPTION / JUSTIFICATION:**

The Anita C. Leight Center is nearing 20 years old and will be requiring maintenance work and improvements in upcoming years. Prior funding has been used for improvements to the roadway leading to the Center's boat launch and engineering for parking lot repairs. Additional funding for the parking lot project may be received from the Coastal Zone Management Program. FY 18 funding is proposed for installation of a remote access gate for the pontoon launch area at the Center. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program.

**PROJECT SCHEDULE:**

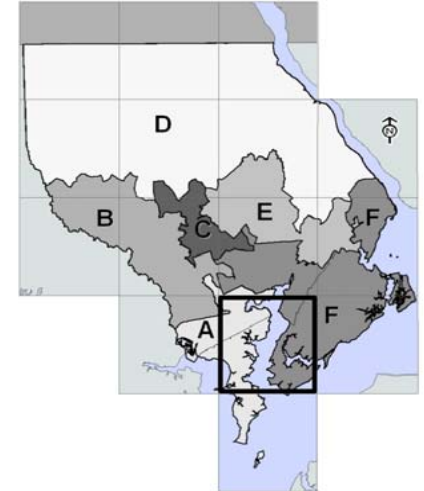
FY 17: HVAC replacement

FY 17: Parking lot construction

FY 18: Pontoon remote access gate

**PROJECT STATUS:**

Parking lot repairs are expected to go to construction in 2017, pending additional grant approval.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	170,000		170,000						170,000
Land Acquisition			0						0
Construction	540,000	25,000	565,000	200,000					765,000
Inspection Fees	20,000		20,000						20,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>730,000</b>	<b>25,000</b>	<b>755,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>955,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	440,000	25,000	465,000	100,000					565,000
R6999 Other	100,000		100,000	100,000					200,000
R3380 Program Open Space	90,000		90,000						90,000
R3399 State Other	100,000		100,000						100,000
			0						0
			0						0
<b>Total Funds</b>	<b>730,000</b>	<b>25,000</b>	<b>755,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>955,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	150,200
Encumbered	830
<b>Total</b>	<b>\$151,030</b>

**PROJECT: Athletic Field Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P084117****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes major improvements to athletic fields at various locations throughout the County by the installation of synthetic turf. To date, synthetic turf has been installed at North Harford High School, Cedar Lane Regional Park, Fallston Recreation Complex, Tucker Field, Havre de Grace High School, C. Milton Wright High School, Aberdeen High School and Joppatowne High School with County funds and contributions from Bel Air and Fallston Recreation Councils. FY 2018 funds will be utilized for replacement at North Harford High School. With the joint use agreement between Parks and Recreation and HCPS for turf fields, this will greatly benefit the programs of the North Harford Recreation Councils, as well as school athletics. Future projects may include major County parks as well as schools.

This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program recommendations. Funds will be needed in the future for the replacement of the synthetic surface.

**PROJECT SCHEDULE:**

FY 17: Fallston High School - Construction

FY 18: North Harford Synthetic turf field replacement

FY 19: Patterson Mill High School - Engineering

**PROJECT STATUS:**

Construction of the synthetic turf field at Fallston High School will begin in May 2017.

Construction of the synthetic turf field replacement at North Harford will begin in 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	525,000	150,000	675,000	150,000					825,000
Land Acquisition			0						0
Construction	10,130,000	1,250,000	11,380,000		1,375,000	575,000	575,000	700,000	14,605,000
Inspection Fees	345,000		345,000		25,000				370,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>11,000,000</b>	<b>1,400,000</b>	<b>12,400,000</b>	<b>150,000</b>	<b>1,400,000</b>	<b>575,000</b>	<b>575,000</b>	<b>700,000</b>	<b>15,800,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	1,100,000		1,100,000						1,100,000
R6999 Other	800,000		800,000						800,000
R7000 Future Bonds		1,400,000	1,400,000	150,000	1,400,000	575,000	575,000	700,000	4,800,000
R7100 Prior Bonds	8,850,000		8,850,000						8,850,000
R8092 Reappropriated Recordation Tax	250,000		250,000						250,000
			0						0
<b>Total Funds</b>	<b>11,000,000</b>	<b>1,400,000</b>	<b>12,400,000</b>	<b>150,000</b>	<b>1,400,000</b>	<b>575,000</b>	<b>575,000</b>	<b>700,000</b>	<b>15,800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$623,208

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/16:**

Expended	8,534,017
Encumbered	32,294
<b>Total</b>	<b><u>\$8,566,311</u></b>

**PROJECT: Bush River Dredging and DMP Site****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Abingdon****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project included engineering and construction of a 10-acre Disposal Material Placement (DMP) site and engineering and dredging of the Otter Point Creek, Bush River area. FY 18 funding will be used for engineering to determine the need for future dredging. A large portion of the project will be funded by the Department of Natural Resources (DNR), Waterway Improvement Program. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

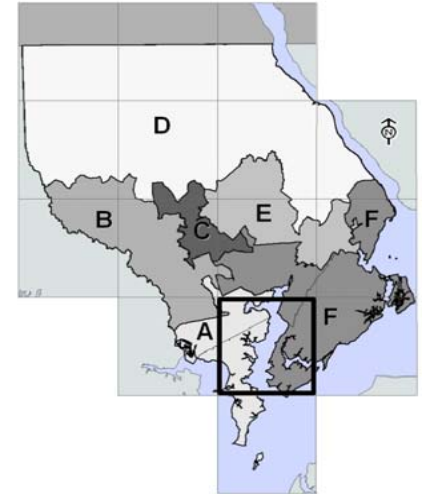
**PROJECT SCHEDULE:**

FY 18 - Engineering

FY19-20 - Dredging as needed

**PROJECT STATUS:**

This project is not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		100,000	100,000						100,000
Land Acquisition			0						0
Construction			0	1,500,000					1,500,000
Inspection Fees			0	75,000					75,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>1,575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,675,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0	75,000					75,000
R3399 State Other		100,000	100,000	1,500,000					1,600,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>1,575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,675,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Canoe and Kayak Water Access****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P164113****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes construction of canoe and kayak launches along various waterways throughout the County. The first site will be located where Deer Creek crosses Conowingo Road. The project will provide additional recreation opportunities along waterways, such as Deer Creek. The possible sites can be developed, where appropriate, in conjunction with the State Highway Administration as part of bridge improvement projects along State roads and through private funding when available. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 16 - Engineering

FY 17 - Construction

**PROJECT STATUS:**

Engineering for the project is underway. Construction is anticipated in calendar year 2017.

Funding in the amount of \$135,000 in Recordation Tax has been reallocated from the Liriodendron Improvements capital project - P154112.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	50,000		50,000		75,000				125,000
Land Acquisition			0						0
Construction	380,000	260,000	640,000			200,000			840,000
Inspection Fees	20,000	20,000	40,000						40,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>450,000</b>	<b>280,000</b>	<b>730,000</b>	<b>0</b>	<b>75,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>1,005,000</b>

**FUNDING SCHEDULE**

R6999 Other	150,000		150,000		25,000	100,000			275,000
R1515 Recordation Tax	50,000	280,000	330,000		25,000	100,000			455,000
R3399 State Other	200,000		200,000		25,000				225,000
R8092 Reappropriated Recordation Tax	50,000		50,000						50,000
			0						0
			0						0
<b>Total Funds</b>	<b>450,000</b>	<b>280,000</b>	<b>730,000</b>	<b>0</b>	<b>75,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>1,005,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$629,408

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	67,736
Encumbered	36,725
<b>Total</b>	<b>\$104,461</b>

**PROJECT: Cedar Lane Sports Complex Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: C****LOCATION: Creswell****P104111****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes improvements and amenities at the Cedar Lane Regional Sports Complex to include a building for multiple uses such as an office, meeting space, locker room/restrooms, storage and possible concession sales. Additional improvements including field lighting, bleachers, natural turf field improvements, additional synthetic turf fields and pavilions will be funded through a partnership with the Cedar Lane Sports Foundation who will manage the operation of the complex in concert with the Department. Future park improvements to occur as funding is available. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

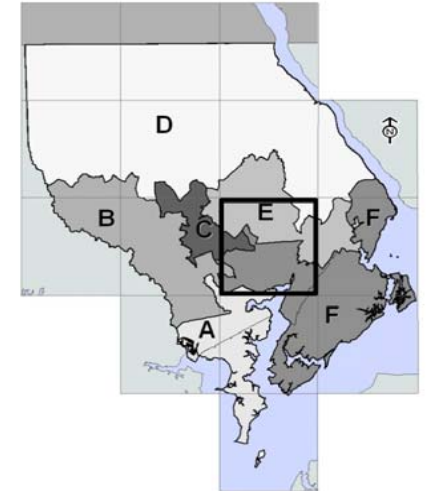
FY 18: Construction of an onsite water holding tank to allow field irrigation

FY 18: Construction of a playground at the park

FY 18: Renovation of three natural grass fields to incorporate bermuda grass

**PROJECT STATUS:**

The pavilion construction and several ADA improvements were completed in calendar year 2016.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	32,500		32,500						32,500
Land Acquisition			0						0
Construction	2,051,000	100,000	2,151,000	85,000	85,000	85,000	85,000	85,000	2,576,000
Inspection Fees	77,500		77,500	15,000	15,000	15,000	15,000	15,000	152,500
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,161,000</b>	<b>100,000</b>	<b>2,261,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>2,761,000</b>

**FUNDING SCHEDULE**

R6999 Other	1,100,000		1,100,000						1,100,000
R8750 Paygo	661,000		661,000						661,000
R7100 Prior Bonds	100,000		100,000						100,000
R8089 Reappropriated Paygo	150,000		150,000						150,000
R8753 Paygo Hotel Tax Revenue	150,000	100,000	250,000	100,000	100,000	100,000	100,000	100,000	750,000
			0						0
<b>Total Funds</b>	<b>2,161,000</b>	<b>100,000</b>	<b>2,261,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>2,761,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$8,623

Annual Operating/Maintenance Cost: N/A

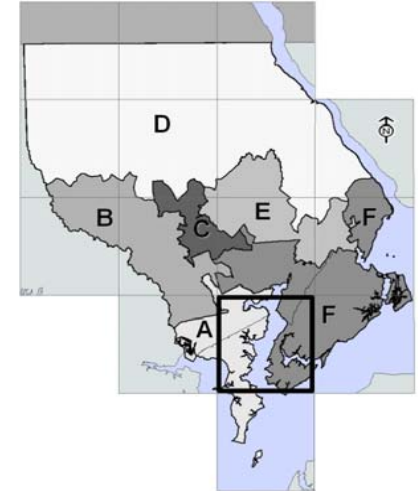
New Positions (FTE's): N/A

**Financial Activity as of 1/5/16:**

Expended	322,850
Encumbered	19,988
<b>Total</b>	<b>\$342,838</b>

**PROJECT: East Baker Avenue Pedestrian Bridge****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Abingdon****New****PROJECT DESCRIPTION / JUSTIFICATION:**

To replace current pedestrian bridge that was originally built as an Eagle Scout project in 1972.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		100,000	100,000						100,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**FUNDING SCHEDULE**

R8027 Reappropriated Recordation Tax		100,000	100,000						100,000
									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

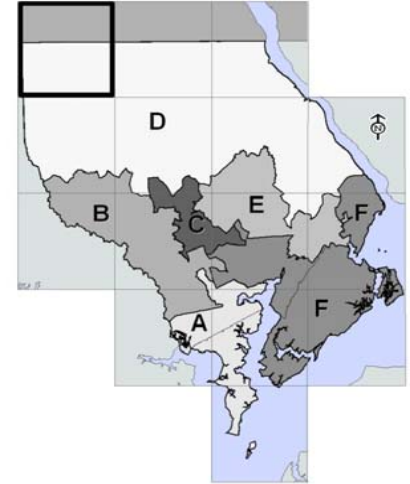
**PROJECT: Eden Mill Park Rehabilitation****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Pylesville****P104113****PROJECT DESCRIPTION / JUSTIFICATION:**

This project continues renovations and improvements to Eden Mill, including repair of the main park trail connection at the Nature Center. Maintenance and upgrading of the existing facilities is critical to protecting the County's investment in this historic building and increased usability as a nature center and community attraction. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Repairs to the storage barn at the park.

FY 18: Installation of a fire alarm system in the Mill.

**PROJECT STATUS:**

An engineering assessment is underway to determine the extent of necessary renovations for the barn.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	815,000	90,000	905,000			50,000			955,000
Inspection Fees	40,000	10,000	50,000						50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>855,000</b>	<b>100,000</b>	<b>955,000</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>1,005,000</b>

**FUNDING SCHEDULE**

R6999 Other	250,000		250,000			50,000			300,000
R8092 Reappropriated Recordation Tax	400,000		400,000						400,000
R1515 Recordation Tax	205,000	100,000	305,000						305,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>855,000</b>	<b>100,000</b>	<b>955,000</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>1,005,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	540,414
Encumbered	19,687
<b>Total</b>	<b>\$560,101</b>

**PROJECT: Edgeley Grove Farm**

**PARKS AND RECREATION**

**COUNCIL DISTRICT: B**

**LOCATION: Benson**

**New**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the construction and renovation of recreation facilities at Edgeley Grove Farm.

Future development of active recreation facilities including additional parking will occur as funding is available.

This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

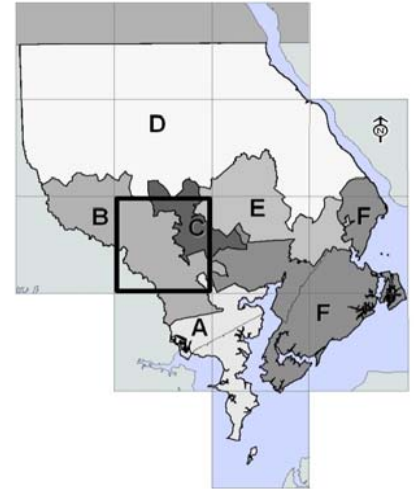
**PROJECT SCHEDULE:**

FY 18 - Repairs and painting of the farmhouse

FY 18 - Replacement and installation of Above & Beyond elements

**PROJECT STATUS:**

This project is not yet funded.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		40,000	40,000		90,000				130,000
Inspection Fees			0		10,000				10,000
Equipment/Furnishing			0						0
Total Cost	0	40,000	40,000	0	100,000	0	0	0	140,000

**FUNDING SCHEDULE**

R1515 Recordation Tax		40,000	40,000		100,000				140,000
R3140 Federal MAP-21			0						0
R3380 Program Open Space			0						0
R6330 Developer			0						0
R6999 Other			0						0
R8770 Reappropriated			0						0
Total Funds	0	40,000	40,000	0	100,000	0	0	0	140,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

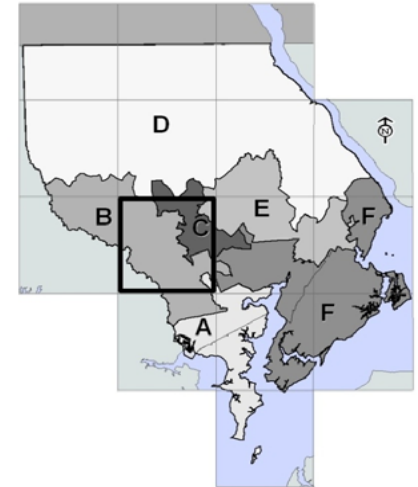
**PROJECT: Emily Bayliss Graham Park****PARKS AND RECREATION****COUNCIL DISTRICT: B****LOCATION: Emmorton****P124120****PROJECT DESCRIPTION / JUSTIFICATION:**

Emily Bayliss Graham Park will focus on passive park development for a site in Emmorton. In fulfillment of Mrs. Graham's wishes for the property, the park will include the natural trails, picnic pavilions and opportunities for the public to learn about the history of the site and surrounding community. The initial step was the preparation of a site master plan and review of the existing structures. Additional environmental studies will be done to determine the trail placement so as to minimize habitat disturbance. Preservation of this tract will provide critically needed public open space. Additional residential growth is anticipated in the area and will generate demand for parks. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17: Engineering

FY 18: Construction - Phase I

**PROJECT STATUS:**

Engineering for the initial phase of the park design is underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	495,000		495,000						495,000
Land Acquisition			0						0
Construction	1,030,000	190,000	1,220,000		500,000	475,000			2,195,000
Inspection Fees	50,000	10,000	60,000		25,000	25,000			110,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,575,000</b>	<b>200,000</b>	<b>1,775,000</b>	<b>0</b>	<b>525,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>2,800,000</b>

**FUNDING SCHEDULE**

R6999 Other	1,175,000		1,175,000		525,000	250,000			1,950,000
R8027 Reappropriated Recordation Tax	50,000	200,000	250,000						250,000
R8750 Paygo	150,000		150,000						150,000
R1515 Recordation Tax	200,000		200,000			250,000			450,000
			0						0
			0						0
<b>Total Funds</b>	<b>1,575,000</b>	<b>200,000</b>	<b>1,775,000</b>	<b>0</b>	<b>525,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>2,800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	79,281
Encumbered	22,506
<b>Total</b>	<b>\$101,787</b>

**PROJECT: Emmorton Recreation and Tennis Center Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: C****LOCATION: Emmorton****P114121****PROJECT DESCRIPTION / JUSTIFICATION:**

The Emmorton Recreation and Tennis Center (ERTC) includes both new structures and those built more than 25 years ago. As the structures age and recreation trends change, existing facilities require improvements and upgrades. This project provides funding for renovation of systems and structures as needed. Additional funding may come from fee-in-lieu of payments from developers or from the Emmorton Recreation Council. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

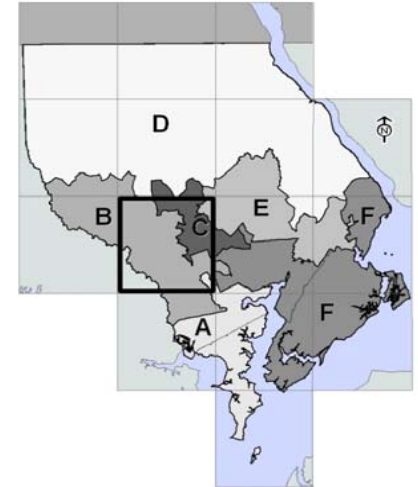
FY 16 - Replacement of signage at the Activity Center.

FY 17 - Installation of air-conditioning in the gymnasium and batting cage area of the Activity Center.

FY 18 - Expansion of the fitness area to accommodate fitness classes.

**PROJECT STATUS:**

Installation of the new HVAC in the gymnasium and batting cage area is underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	949,000	15,000	964,000	90,000					1,054,000
Inspection Fees	21,000		21,000	10,000					31,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>970,000</b>	<b>15,000</b>	<b>985,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,085,000</b>

**FUNDING SCHEDULE**

R6330 Developer	60,000		60,000	50,000					110,000
R6999 Other	210,000		210,000	50,000					260,000
R1515 Recordation Tax	425,000	15,000	440,000						440,000
R3380 Program Open Space	200,000		200,000						200,000
R8770 Reappropriated	75,000		75,000						75,000
			0						0
<b>Total Funds</b>	<b>970,000</b>	<b>15,000</b>	<b>985,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,085,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	478,608
Encumbered	2,490
<b>Total</b>	<b>\$481,098</b>

**PROJECT: Enlarged Gymnasiums & Joint Facilities****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P154110****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the construction of shared facilities at public schools such as enlarged gymnasiums, activity rooms and recreation storage. The construction of the new Havre de Grace Middle/High School is currently scheduled for FY2018 and FY2020. Future projects will include the additional indoor recreation space in schools. This is a cost effective way to add needed facilities for Recreation Council use. Indoor space is critical for winter programming. Secondary schools utilize their large gymnasiums extensively for school programs, leaving minimal opportunity for recreation activities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY18: Construction of Havre de Grace Middle/High School

**PROJECT STATUS:**

Youth's Benefit Elementary modernization is underway.  
Engineering for the Havre de Grace Middle/High School is underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	600,000	600,000	1,200,000						1,200,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>600,000</b>	<b>600,000</b>	<b>1,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	600,000		600,000						600,000
R7000 Future Bonds		600,000	600,000						600,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>600,000</b>	<b>600,000</b>	<b>1,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$60,000  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	600,000
Encumbered	0
<b>Total</b>	<b>\$600,000</b>

**PROJECT: Facility Renovations****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the renovation and repairs at existing facilities. Building improvements, landscaping and other projects may also be funded. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan, and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Construction

FY 18: Security improvements at various Department sites, including Eden Mill Nature Center and the Tollgate Office.

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		220,000	220,000	95,000	95,000	95,000	95,000		600,000
Inspection Fees		5,000	5,000	5,000	5,000	5,000	5,000		25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>225,000</b>	<b>225,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>625,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax		125,000	125,000	100,000	100,000	100,000	100,000		525,000
R6999 Other		100,000	100,000						100,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>225,000</b>	<b>225,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>625,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Flying Point Park Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Edgewood****P164114****PROJECT DESCRIPTION / JUSTIFICATION:**

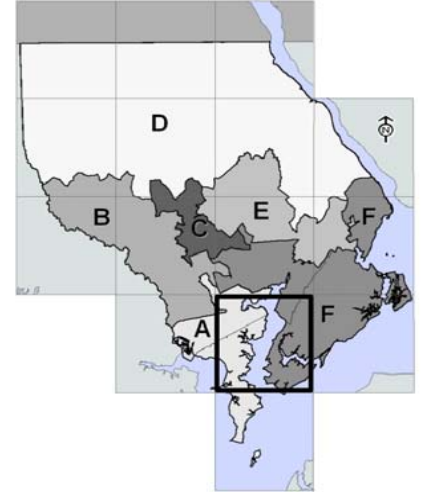
This project proposes the installation of an automatic entrance gate system at Flying Point Park. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18 - Renovations to boating and fishing piers

**PROJECT STATUS:**

Installation of an automatic entrance gate is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	10,000		10,000						10,000
Land Acquisition			0						0
Construction	114,000	170,000	284,000						284,000
Inspection Fees		9,000	9,000						9,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>124,000</b>	<b>179,000</b>	<b>303,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>303,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	25,000	80,000	105,000						105,000
R3399 State Other	99,000	99,000	198,000						198,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>124,000</b>	<b>179,000</b>	<b>303,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>303,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	12,082
Encumbered	24,460
<b>Total</b>	<b>\$36,542</b>

**PROJECT: Forest Hill Recreation Complex Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: C****LOCATION: Forest Hill****New****PROJECT DESCRIPTION / JUSTIFICATION:**

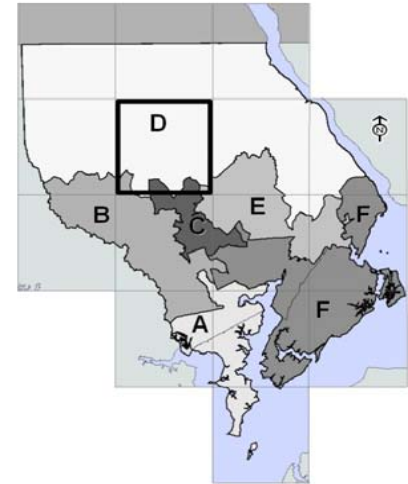
This project proposes replacement and relocation of the restroom/concession/storage building and picnic pavilion at the Forest Hill Recreation Complex. The project will be funded by the Forest Hill Recreation Council and will be managed by the Department. FY 18 funds will be used for engineering for the project. Construction will occur as funding is available. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Engineering

**PROJECT STATUS:**

This project is not yet funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		200,000	200,000						200,000
Land Acquisition			0						0
Construction			0	600,000					600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800,000</b>

**FUNDING SCHEDULE**

R6999 Other		200,000	200,000	600,000					800,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Fox Meadows Park Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Jarrettsville****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes improvements to Fox Meadows Park with the expansion of a trail system that will provide greater ADA access to the playing fields at the park, as well as, a loop trail system around the park site. This will provide more exercise opportunities for members of the community. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

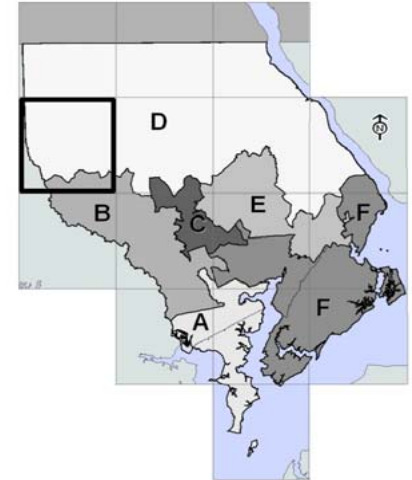
**PROJECT SCHEDULE:**

FY 18: Engineering

FY 19: Construction

**PROJECT STATUS:**

This project is not yet funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		100,000	100,000						100,000
Land Acquisition			0						0
Construction			0	240,000					240,000
Inspection Fees			0	10,000					10,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0	250,000					250,000
R8027 Reappropriated Recordation Tax		100,000	100,000						100,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

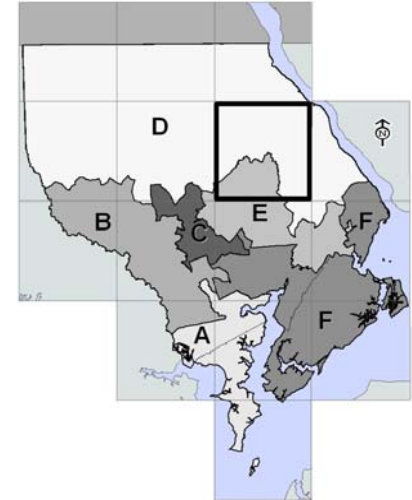
Total \$0

**PROJECT: Francis Silver Park Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Darlington****P164115****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the installation and construction of a water feed and fencing for the community garden located in the park. Future park improvements will be made as funding is available. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Installation of the water feed is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		100,000	100,000						100,000
Land Acquisition			0						0
Construction	25,000	300,000	325,000						325,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>25,000</b>	<b>400,000</b>	<b>425,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>425,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	25,000	200,000	225,000						225,000
R3380 Program Open Space		200,000	200,000						200,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>25,000</b>	<b>400,000</b>	<b>425,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>425,000</b>

**OPERATING BUDGET IMPACT:**

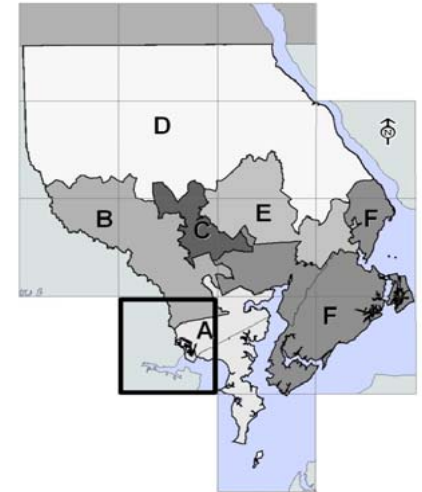
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Gunpowder River Dredging****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne****P124121****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes maintenance dredging of the existing navigation channel in Taylor's Creek, as well as the channel leading into Gunpowder River which provides boating access to the Joppatowne community. The removal of material from the Disposal Material Placement (DMP) Site at Mariner Point Park is complete. Engineering and permitting will occur in FY 16. Dredging will occur as funds are available. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 16-Engineering for Gunpowder River  
 FY 18-Dredging of Taylor's Creek and Gunpowder River  
 FY 18-FY20-SAV Monitoring  
 FY 19-DMP site remediation

**PROJECT STATUS:**

Project has been awarded. Dredging is anticipated to begin in November 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	250,000	300,000	550,000						550,000
Land Acquisition			0						0
Construction	1,090,000		1,090,000	200,000					1,290,000
Inspection Fees	94,000	30,000	124,000	10,000					134,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,434,000</b>	<b>330,000</b>	<b>1,764,000</b>	<b>210,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,974,000</b>

**FUNDING SCHEDULE**

R3399 State Other	1,300,000	200,000	1,500,000	200,000					1,700,000
R1515 Recordation Tax	134,000	130,000	264,000	10,000					274,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,434,000</b>	<b>330,000</b>	<b>1,764,000</b>	<b>210,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,974,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	562,405
Encumbered	548,744
<b>Total</b>	<b>\$1,111,149</b>

**PROJECT: Gymnasium Floor Repair and Renovation****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for repair and renovation of existing gymnasium floors at Parks and Recreation building center locations throughout the County. Funding may be available from fellow County agencies, as well as, Recreation Council partners. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 18 - work to be completed based on priority order. Priority order will be finalized in Spring 2017.

**PROJECT STATUS:**

This project is not yet funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		60,000	60,000	75,000	75,000	75,000	75,000	75,000	435,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>60,000</b>	<b>60,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>435,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax		40,000	40,000	50,000	50,000	50,000	50,000	50,000	290,000
R6999 Other		20,000	20,000	25,000	25,000	25,000	25,000	25,000	145,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>60,000</b>	<b>60,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>435,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Indoor Recreation Facility-Forest Hill/Hickory****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Forest Hill****P084121****PROJECT DESCRIPTION / JUSTIFICATION:**

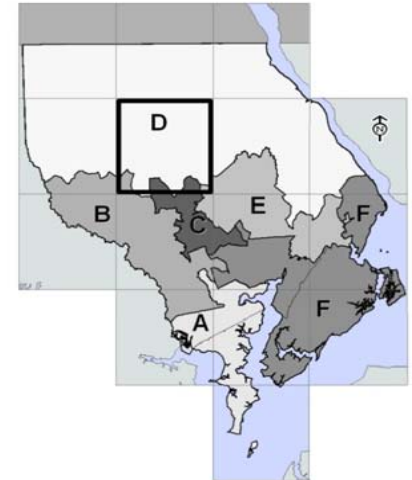
This project proposes the renovations of the Forest Hill/Hickory Activities Center to meet community needs. Previous projects included HVAC on the arena side, as well as, roof repairs. Future projects will include improvements to the multipurpose room and the indoor soccer arena. Other projects will be identified as needs arise. Funding may include contributions from the Recreation Councils. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Engineering and replacement of the indoor arena turf.

**PROJECT STATUS:**

Roof repairs and HVAC installation are complete at the facility.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	5,000	15,000	20,000						20,000
Land Acquisition			0						0
Construction	1,144,000	225,000	1,369,000						1,369,000
Inspection Fees	75,000	10,000	85,000						85,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,224,000</b>	<b>250,000</b>	<b>1,474,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,474,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	1,024,000	250,000	1,274,000						1,274,000
R6999 Other	200,000		200,000						200,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,224,000</b>	<b>250,000</b>	<b>1,474,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,474,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/16:**

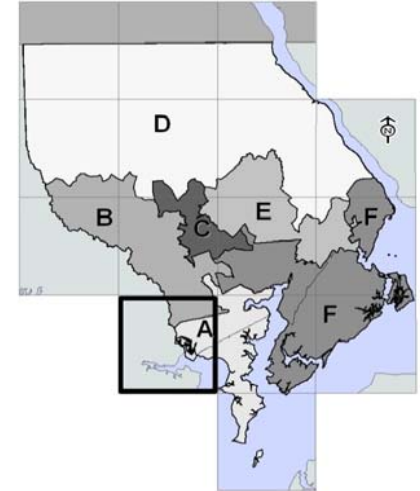
Expended	432,386
Encumbered	62,635
<b>Total</b>	<b>\$495,021</b>

**PROJECT: Joppatowne Area Dredging****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne****P084123****PROJECT DESCRIPTION / JUSTIFICATION:**

This project funded the dredging of the existing navigation channel in Foster Branch Creek and the waterway around Rumsey Island that took place in December, 2010. The project was a 50% State and 50% locally funded project. The County is responsible for 50% of the final SAV assessment fee. Participation by the DNR Waterway Improvement Program is based on the number of boaters benefitted by a project and may vary from project to project. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

SAV monitoring is complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	175,000		175,000						175,000
Land Acquisition			0						0
Construction	780,000	100,000	880,000						880,000
Inspection Fees	35,000		35,000						35,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>990,000</b>	<b>100,000</b>	<b>1,090,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,090,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	145,000	50,000	195,000						195,000
R8750 Paygo	40,000		40,000						40,000
R3399 State Other	467,500	50,000	517,500						517,500
R6999 Other	276,747		276,747						276,747
R1602 Special Assessment	60,753		60,753						60,753
			0						0
<b>Total Funds</b>	<b>990,000</b>	<b>100,000</b>	<b>1,090,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,090,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

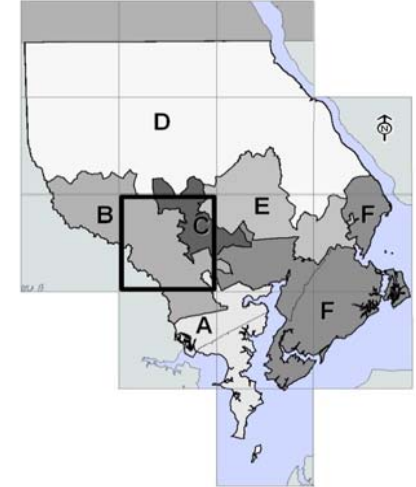
Expended	426,725
Encumbered	208,709
<b>Total</b>	<b>\$635,434</b>

**PROJECT: Liriodendron Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: C****LOCATION: Bel Air****P154112****PROJECT DESCRIPTION / JUSTIFICATION:**

This facility is over 100 years old and is used for many charitable events, wedding receptions, government meetings and social events. Maintenance of this historic structure is critical to preserve this community asset. Future projects will include the replacement of the balustrade along the front terrace and parking improvements. Funds from the Liriodendron Foundation may be used to supplement projects. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 17 - Design and installation of storm window treatments and replacement of the south end arbor.

**PROJECT STATUS:**

Funding from this capital project will be reallocated to the Canoe and Kayak Water Access project - P164113. This project will then be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	10,000	(10,000)	0						0
Land Acquisition			0						0
Construction	132,000	(122,000)	10,000						10,000
Inspection Fees	3,000	(3,000)	0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>145,000</b>	<b>(135,000)</b>	<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	135,000	(135,000)	0						0
R6999 Other	10,000		10,000						10,000
R8750 Paygo			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>145,000</b>	<b>(135,000)</b>	<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Natural Turf Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P104115****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes improvements to natural grass playing surfaces at various parks and public schools. Improvements may include minor grading, aerating, seeding and/or installation of sod. Due to heavy usage from recreation council programs, many fields exhibit severe wear and sod or other turf improvements are needed to keep the fields in a safe, playable condition.

Supplemental funding may come from Recreation Councils. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Renovation of grass fields

**PROJECT STATUS:**

Fields at Edgeley Grove and Fox Meadows Park have been renovated

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,090,000	150,000	1,240,000	150,000	150,000	150,000	75,000	75,000	1,840,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,090,000</b>	<b>150,000</b>	<b>1,240,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>75,000</b>	<b>75,000</b>	<b>1,840,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	810,000	100,000	910,000	100,000	100,000	100,000	50,000	50,000	1,310,000
R6999 Other	280,000	50,000	330,000	50,000	50,000	50,000	25,000	25,000	530,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,090,000</b>	<b>150,000</b>	<b>1,240,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>75,000</b>	<b>75,000</b>	<b>1,840,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	391,450
Encumbered	153,900
<b>Total</b>	<b>\$545,350</b>

**PROJECT: Park Improvements**

**PARKS AND RECREATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**NEW**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the installation of many small projects throughout the County to include, but not limited to, tree and shrub planting, picnic tables and grills, etc. FY 2018 - FY 2023 funds will provide small grants for Recreation Council projects as needs occur. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18 - FY 23: Construction



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		80,000	80,000	50,000	50,000	50,000	50,000	50,000	330,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	0	80,000	80,000	50,000	50,000	50,000	50,000	50,000	330,000

**FUNDING SCHEDULE**

R1515 Recordation Tax		50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000
R6330 Developer		30,000	30,000						30,000
R3399 State Other			0						0
R6999 Other			0						0
			0						0
			0						0
Total Funds	0	80,000	80,000	50,000	50,000	50,000	50,000	50,000	330,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended  
Encumbered 0  
Total \$0

**PROJECT: Parking Lot Paving****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P124124****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the overlay and expansion of existing parking lots and entrance roads at County park sites. Many parking lots are more than 15 years old and require refurbishing for safe usage. Furthermore, heavy usage of existing facilities has generated demand for additional parking spaces. This project is to keep existing parking lots serviceable and to respond to community concerns about adequate off-street parking. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Construction

**PROJECT STATUS:**

Work was completed at the Forest Hill/Hickory Activity Center, Fallston Maintenance Shop, and walking trails at Mariner Point.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		10,000	10,000						10,000
Land Acquisition			0						0
Construction	469,000	230,000	699,000	50,000	140,000	50,000		141,000	1,080,000
Inspection Fees	30,000	10,000	40,000	5,000	10,000	5,000		9,000	69,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>499,000</b>	<b>250,000</b>	<b>749,000</b>	<b>55,000</b>	<b>150,000</b>	<b>55,000</b>	<b>0</b>	<b>150,000</b>	<b>1,159,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	499,000	250,000	749,000	55,000	150,000	55,000	0	150,000	1,159,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>499,000</b>	<b>250,000</b>	<b>749,000</b>	<b>55,000</b>	<b>150,000</b>	<b>55,000</b>	<b>0</b>	<b>150,000</b>	<b>1,159,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	258,929
Encumbered	0
<b>Total</b>	<b><u>\$258,929</u></b>

**PROJECT: Parkland Acquisition****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P104117****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the acquisition of land to be used as active and/or passive park sites. This project is not site specific, thus allowing the purchase of land whenever and wherever it becomes available. Sites to be acquired will include areas of outstanding natural features, stream valley parks, as well as regional and community park sites. Particular attention will be given to preserving open space countywide in cooperation with State and Federal programs and to addressing unmet needs of the high growth areas of the County. Funds for acquisition may be supplemented by other County land acquisition capital projects or by Recreation Council funds. Additional residential development is anticipated and population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 18 - Property acquisition

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition	5,226,000	1,050,000	6,276,000	740,000	795,000	850,000	850,000	850,000	10,361,000
Construction			0						0
Inspection Fees	80,000		80,000						80,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,306,000</b>	<b>1,050,000</b>	<b>6,356,000</b>	<b>740,000</b>	<b>795,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>10,441,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	440,000	50,000	490,000	40,000	45,000	50,000	50,000	50,000	725,000
R3380 Program Open Space	4,641,000	1,000,000	5,641,000	700,000	750,000	800,000	800,000	800,000	9,491,000
R8092 Reappropriated Recordation Tax	225,000		225,000						225,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>5,306,000</b>	<b>1,050,000</b>	<b>6,356,000</b>	<b>740,000</b>	<b>795,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>10,441,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,147,088
Encumbered	0
<b>Total</b>	<b>\$2,147,088</b>

**PROJECT: Playground Equipment****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P104118****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the purchase and installation of playground equipment at various park areas and schools throughout the County. The replacement of old, deteriorated and unsafe equipment and the need to make existing playgrounds accessible to individuals with disabilities will continue to be a priority. Partnerships with Harford County Public Schools, elementary school Parent-Teacher Associations, nonprofit foundations and other groups are encouraged as a means of meeting the extensive needs for playground improvements. Installation of playgrounds at newly constructed parks will also be funded through this capital project. Additional funding may be provided by Program Open Space of the Department of Natural Resources or through developer fee-in-lieu funds. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 18 - FY 23: Installation

**PROJECT STATUS:**

Replacement of equipment is under consideration for Fox Meadows Park and other County sites

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,805,000	225,000	2,030,000	150,000	150,000	225,000	225,000	225,000	3,005,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,805,000</b>	<b>225,000</b>	<b>2,030,000</b>	<b>150,000</b>	<b>150,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>3,005,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	966,000	125,000	1,091,000	125,000	125,000	150,000	150,000	150,000	1,791,000
R6330 Developer	390,000	75,000	465,000	25,000	25,000	50,000	50,000	50,000	665,000
R6999 Other	90,000	25,000	115,000			25,000	25,000	25,000	190,000
R3380 Program Open Space	359,000		359,000						359,000
			0						0
			0						0
<b>Total Funds</b>	<b>1,805,000</b>	<b>225,000</b>	<b>2,030,000</b>	<b>150,000</b>	<b>150,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>3,005,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	730,560
Encumbered	0
<b>Total</b>	<b>\$730,560</b>

**PROJECT: Swan Harbor Farm Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: F****LOCATION: Havre de Grace****P154113****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes renovations and improvements at Swan Harbor Farm. FY 18 funding will be used for improvements to the farm house and event area. Future projects include the construction of a recreational trail from the City limits of Havre de Grace through Swan Harbor Farm to the waterfront. This hiker/biker trail would connect Swan Harbor Farm to the historic amenities of Havre de Grace and link the park to the Lower Susquehanna Heritage Greenway. Additional parking will be constructed to support these uses. A variety of funding sources will be used for these projects, including local funds, POS funds and other State sources for the Lower Susquehanna Heritage Greenway. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

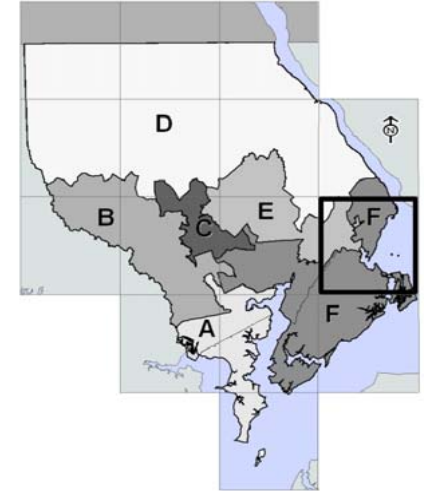
**PROJECT SCHEDULE:**

FY 16 - Pier renovations at the park

FY 18 - Renovations and improvements to the farm house and event areas

**PROJECT STATUS:**

Pier renovations are complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	439,000	75,000	514,000			1,050,000			1,564,000
Inspection Fees	20,000		20,000						20,000
Equipment/Furnishing	80,000		80,000						80,000
<b>Total Cost</b>	<b>539,000</b>	<b>75,000</b>	<b>614,000</b>	<b>0</b>	<b>0</b>	<b>1,050,000</b>	<b>0</b>	<b>0</b>	<b>1,664,000</b>

**FUNDING SCHEDULE**

R8750 Paygo - Parks & Rec Fund	430,000	75,000	505,000						505,000
R7000 Future Bonds			0			1,050,000			1,050,000
R1515 Recordation Tax	10,000		10,000						10,000
R3399 State Other	99,000		99,000						99,000
			0						0
<b>Total Funds</b>	<b>539,000</b>	<b>75,000</b>	<b>614,000</b>	<b>0</b>	<b>0</b>	<b>1,050,000</b>	<b>0</b>	<b>0</b>	<b>1,664,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	322,325
Encumbered	94,028
<b>Total</b>	<b>\$416,353</b>

**PROJECT: Tennis/Multipurpose Court****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P114123****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the repair, resurfacing and reconstruction of tennis and multipurpose courts throughout the County. The resurfacing may include applying new color-coating or applying a layer of stone dust with additional blacktop, then color-coating depending on the condition of the courts. Many existing courts are 15 to 30 years old and need work to provide a safe playing surface and fencing. Priorities are established through annual review and consultation with Harford County Public School. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Construction

**PROJECT STATUS:**

Repairs have occurred at several school and park sites throughout the County.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	640,000	100,000	740,000	100,000	100,000	100,000	100,000	100,000	1,240,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>640,000</b>	<b>100,000</b>	<b>740,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,240,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	540,255	100,000	640,255	100,000	100,000	100,000	100,000	100,000	1,140,255
R8092 Reappropriated Recordation Tax	99,745		99,745						99,745
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>640,000</b>	<b>100,000</b>	<b>740,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,240,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	544,469
Encumbered	17,035
<b>Total</b>	<b>\$561,504</b>

**PROJECT: Trails & Linear Parks****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P124126****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the acquisition, development, repair, and maintenance of hiker/biker trails, greenways, and linear parks. Trails may be constructed along existing roadways, in existing and proposed park sites and/or the Ma & Pa railroad track bed. These trails will be used for transportation, as well as, physical fitness facilities for walking, jogging, and bike riding. Environmental education programs will also be provided. Allocated funds will be used for repair and maintenance of existing trails, as well as, engineering for new projects including the possible connection of Phase I and Phase II of the Ma & Pa Heritage Trail and a hiker/biker trail near the Whiteford/Cardiff community. Construction will occur as grant funds permit. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17: Engineering for Ma &amp; Pa trail connection from Williams Street to Blake's Venture Park

FY 18: Construction of the Ma &amp; Pa trail connection from Williams Street to Blake's Venture Park

**PROJECT STATUS:**

Engineering for the trail from Williams Street to Blake's Venture Park will occur as funding becomes available.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	245,000		245,000						245,000
Land Acquisition	55,000		55,000						55,000
Construction	2,100,000	1,550,000	3,650,000			1,900,000			5,550,000
Inspection Fees	150,000		150,000			100,000			250,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,550,000</b>	<b>1,550,000</b>	<b>4,100,000</b>	<b>0</b>	<b>0</b>	<b>2,000,000</b>	<b>0</b>	<b>0</b>	<b>6,100,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	225,000	100,000	325,000						325,000
R8750 Paygo	75,000		75,000						75,000
R3140 Federal TAP	2,000,000	1,000,000	3,000,000			1,000,000			4,000,000
R6999 Other	250,000		250,000			1,000,000			1,250,000
R8750 Paygo - Hotel Tax Revenue		250,000	250,000						250,000
R3380 Program Open Space		200,000	200,000						200,000
<b>Total Funds</b>	<b>2,550,000</b>	<b>1,550,000</b>	<b>4,100,000</b>	<b>0</b>	<b>0</b>	<b>2,000,000</b>	<b>0</b>	<b>0</b>	<b>6,100,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

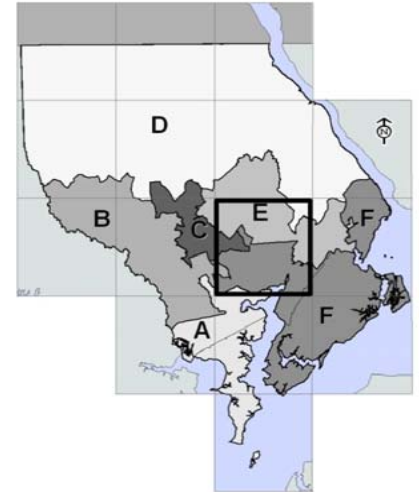
New Positions (FTE's): N/A

**Financial Activity as of 1/15/17:**

Expended	102,108
Encumbered	61,733
<b>Total</b>	<b>\$163,841</b>

**PROJECT: Tudor Hall Rehabilitation****PARKS AND RECREATION****COUNCIL DISTRICT: E****LOCATION: Fountain Green****P084126****PROJECT DESCRIPTION / JUSTIFICATION:**

In 2006, Harford County acquired Tudor Hall, the historic home of the Booth family, including the famous Shakespearean actors Junius and Edwin Booth, as well as John Wilkes Booth. The structure is more than 150 years old and conservation efforts are needed. Additional funds will be needed to maintain the site and support the growing community interest. Other projects will be identified as the need arises. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan, and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Construction

**PROJECT STATUS:**

Construction the ADA bathroom renovations is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	475,000	50,000	525,000						525,000
Inspection Fees	25,000	0	25,000						25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>500,000</b>	<b>50,000</b>	<b>550,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>

**FUNDING SCHEDULE**

R8770 Reappropriated	400,000		400,000						400,000
R1515 Recordation Tax		50,000	50,000						50,000
R8027 Reappropriated Recordation Tax	100,000		100,000						100,000
R8750 Paygo			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>500,000</b>	<b>50,000</b>	<b>550,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

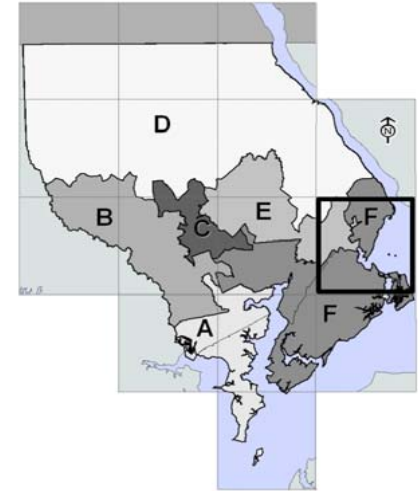
Expended	259,362
Encumbered	619
<b>Total</b>	<b>\$259,981</b>

# **OUTYEAR PROJECTS**

## **FY 19 - FY 23**

**PROJECT: Aberdeen Activity Center****PARKS AND RECREATION****COUNCIL DISTRICT: E****LOCATION: Aberdeen****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide a multi-purpose center to serve leisure needs for all ages in the Aberdeen community. The current Aberdeen Senior Center is undersized and lacks space for exercise programs and other activities. This facility will be designed based on the models in Bel Air, Havre de Grace and Fallston and will be utilized by the Office on Aging and by the Department of Parks and Recreation for a variety of community activities. Funding will be a cooperative effort of County, City, State and Federal resources along with private contributions. Design will be initiated in FY2017 with construction in FY 2019. State funding is anticipated from the Senior Center Programs. Population growth will generate demand for additional facilities for all ages. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 20: Engineering

FY 21 - FY 22: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0			500,000			500,000
Land Acquisition			0						0
Construction							7,200,000		7,200,000
Inspection Fees							300,000		300,000
Equipment/Furnishing			0				500,000		500,000
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>8,000,000</b>	<b>0</b>	<b>8,500,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0			500,000	8,000,000		8,500,000
									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>8,000,000</b>	<b>0</b>	<b>8,500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Backstop Renovations****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P124119****PROJECT DESCRIPTION / JUSTIFICATION:**

Many of the 190 softball/baseball diamonds in Harford County were installed more than fifteen years ago and are showing significant signs of wear and tear on the fencing, kick plates and players benches. This project continues a long-term effort to renovate these facilities. The priorities are based on a comprehensive survey of conditions and a group of backstops will be improved periodically. In addition to addressing safety concerns, renovated backstops improve the appearance of the park facilities and encourage community pride. County funding may be supplemented by recreation councils. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Renovation of backstops.

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	270,000		270,000	50,000	100,000	50,000	50,000	50,000	570,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>270,000</b>	<b>0</b>	<b>270,000</b>	<b>50,000</b>	<b>100,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>570,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	155,000		155,000	30,000	50,000	30,000	30,000	30,000	325,000
R6999 Other	115,000		115,000	20,000	50,000	20,000	20,000	20,000	245,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>270,000</b>	<b>0</b>	<b>270,000</b>	<b>50,000</b>	<b>100,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>570,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

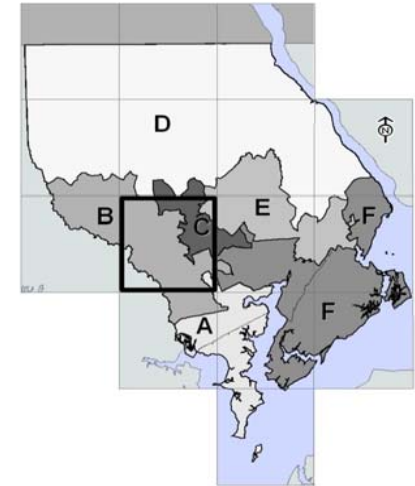
**Financial Activity as of 1/5/17:**

Expended	16,607
Encumbered	0
<b>Total</b>	<b>\$16,607</b>

**PROJECT: Benson Field Development****PARKS AND RECREATION****COUNCIL DISTRICT: B****LOCATION: Benson****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the construction of active recreation facilities on the 41 acre parcel adjacent to Edgeley Grove Farm. This parcel is relatively level and well suited for baseball/softball diamonds as well as multipurpose fields and will provide facilities needed by the Fallston Recreation Council. Ancillary uses such as parking, restrooms and picnic pavilions will be provided on the site.

This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program recommendations.

**PROJECT SCHEDULE:**

FY 20: Engineering and Design

FY 21: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0			100,000			100,000
Land Acquisition			0						0
Construction							475,000	475,000	950,000
Inspection Fees							25,000	25,000	50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>500,000</b>	<b>500,000</b>	<b>1,100,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax						100,000	500,000	500,000	1,100,000
									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>500,000</b>	<b>500,000</b>	<b>1,100,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

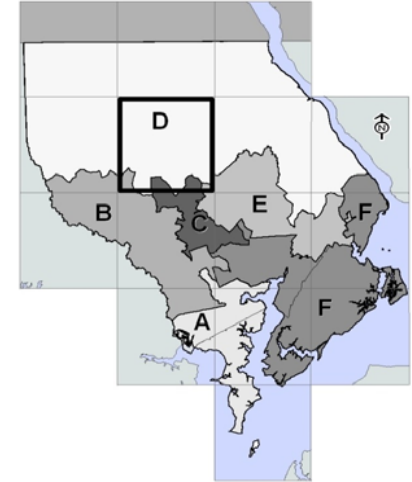
**PROJECT: Blake's Venture Park****COUNCIL DISTRICT: D****LOCATION: Forest Hill****PARKS AND RECREATION****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the development of Phase II of Blake's Venture Park in Forest Hill. The initial phase of development included the trailhead for Phase II of the Ma and Pa Heritage Trail, two soccer fields and associated parking. The second phase will include active recreation facilities to serve the needs of the Forest Hill Recreation Council. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 21 - Engineering and Design

FY 22 - Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0			100,000			100,000
Land Acquisition			0						0
Construction			0					550,000	550,000
Inspection Fees			0					50,000	50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>600,000</b>	<b>700,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax						100,000		600,000	700,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>600,000</b>	<b>700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Bleacher Renovations****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P094123****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the replacement of existing bleachers which do not meet current safety standards and ADA access requirements. Priority for replacements is based on a comprehensive survey of all sites. Recreation council participation will be included to provide opportunities for additional units. Previous approved funds have provided units to meet the most critical situations. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 19 - FY 23: Purchase and installation of bleacher units

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	430,000		430,000	60,000	80,000	80,000	80,000	80,000	810,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>430,000</b>	<b>0</b>	<b>430,000</b>	<b>60,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>810,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	230,000		230,000	30,000	40,000	40,000	40,000	40,000	420,000
R6999 Other	200,000		200,000	30,000	40,000	40,000	40,000	40,000	390,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>430,000</b>	<b>0</b>	<b>430,000</b>	<b>60,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>810,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	155,697
Encumbered	0
<b>Total</b>	<b>\$155,697</b>

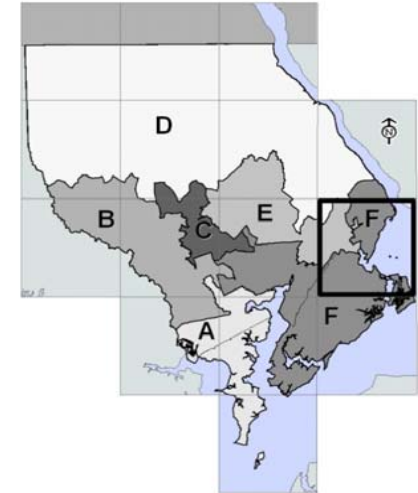
**PROJECT: Bulkhead Renovations****PARKS AND RECREATION****COUNCIL DISTRICT: F****LOCATION: Havre de Grace****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes funds for repairs and placement of sections of bulkhead at Tydings Island in Havre de Grace. The majority of the cost for this project will be paid by the Department of Natural Resources - Waterway Improvement Program. Future projects will be undertaken as needs arise. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 19: Design and Engineering

FY 20: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0	40,000					40,000
Land Acquisition			0						0
Construction			0		515,000		70,000		585,000
Inspection Fees			0		20,000		5,000		25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>	<b>535,000</b>	<b>0</b>	<b>75,000</b>	<b>0</b>	<b>650,000</b>

**FUNDING SCHEDULE**

R3399 State Other			0	40,000	515,000		75,000		630,000
R1515 Recordation Tax			0		20,000				20,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>	<b>535,000</b>	<b>0</b>	<b>75,000</b>	<b>0</b>	<b>650,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Darlington Park Development****COUNCIL DISTRICT: D****LOCATION: Darlington****PARKS AND RECREATION****P094124****PROJECT DESCRIPTION / JUSTIFICATION:**

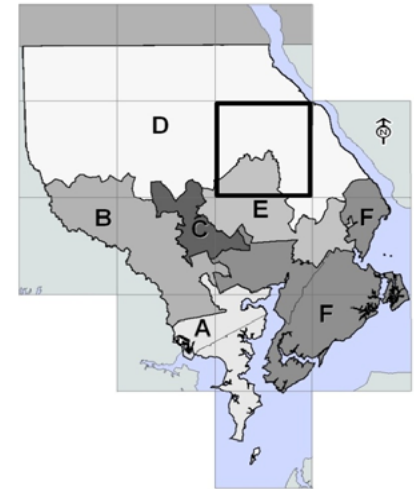
This project proposes the development of facilities at Darlington Park, a neighborhood park at the gateway to Darlington. FY 2009 funds were used for design of a large soccer/lacrosse fields with parking, stormwater management and landscaping.

Future projects will include a restroom/storage building. Additional residential development is anticipated in Darlington. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

This project was amended per Bill 16-003 to add \$320,000 in reappropriated Recordation Tax.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Field construction is complete and the park is in use.



Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	125,000		125,000						125,000
Land Acquisition			0						0
Construction	1,730,000		1,730,000		185,000				1,915,000
Inspection Fees	40,000		40,000		15,000				55,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,895,000</b>	<b>0</b>	<b>1,895,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,095,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	1,050,000		1,050,000		100,000				1,150,000
R8770 Reappropriated	125,000		125,000						125,000
R3380 Program Open Space	400,000		400,000		100,000				500,000
R8092 Reappropriated Recordation Tax	320,000		320,000						320,000
			0						0
			0						0
<b>Total Funds</b>	<b>1,895,000</b>	<b>0</b>	<b>1,895,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,095,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

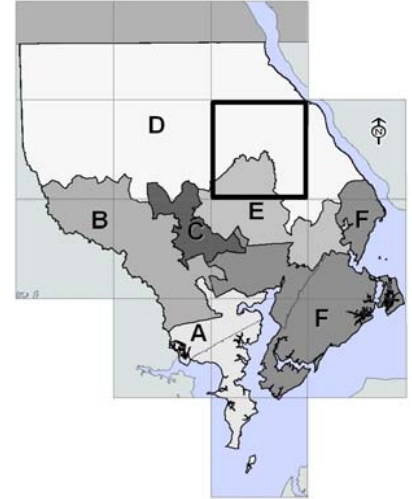
Expended	1,448,913
Encumbered	26,215
<b>Total</b>	<b>\$1,475,128</b>

**PROJECT: Disc Golf Course****PARKS AND RECREATION****COUNCIL DISTRICT: E****LOCATION: Churchville****P144122****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes design and construction of an 18-hole disc golf course at the Churchville Recreation Center Complex. Additionally, this project would be used to repair existing disc golf courses as needed and when funding is available. Disc golf is a fast-growing sport that allows participation of all ages and skill levels. Future course sites will be considered on a site-by-site basis. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

The new disc golf course at Churchville is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2022	
Engineering/Design	3,000		3,000			3,000			6,000
Land Acquisition			0						0
Construction	45,000		45,000			45,000			90,000
Inspection Fees	2,000		2,000			2,000			4,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	50,000		50,000			50,000			100,000
									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**OPERATING BUDGET IMPACT:**

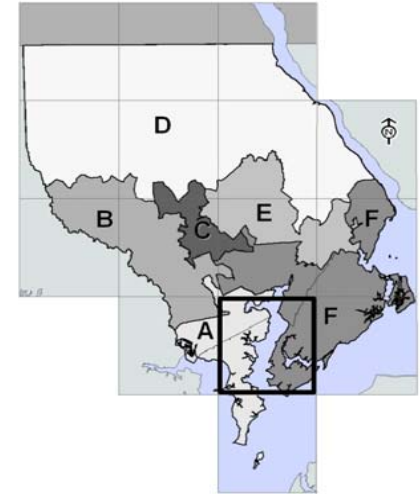
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	45,140
Encumbered	386
<b>Total</b>	<b>\$45,526</b>

**PROJECT: Edgewood Recreation and Community Center****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Edgewood****P134107****PROJECT DESCRIPTION / JUSTIFICATION:**

This project includes renovations to some of the existing building systems at the Edgewood Recreation and Community Center. Future improvements to the site and the building will be identified as needs arise. Additional residential development is anticipated in the Edgewood community. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	95,000		95,000		142,500				237,500
Inspection Fees	5,000		5,000		7,500				12,500
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	100,000		100,000		150,000				250,000
									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

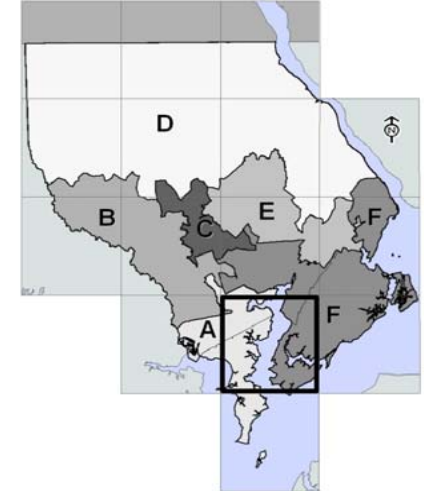
Expended	46,044
Encumbered	0
<b>Total</b>	<b>\$46,044</b>

**PROJECT: Edgewood Recreation Park****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Edgewood****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the development of the western area of the park. A second football field and a large parking lot have been constructed. Later improvements will focus on passive amenities in the wooded areas. The passive amenities, such as trails and picnic pavilions, will benefit the community and contribute to revitalization of the area. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 19: Engineering and installation of restroom facility

**PROJECT STATUS:**

This project is not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0	30,000					30,000
Land Acquisition			0						0
Construction			0	445,000	50,000		100,000		595,000
Inspection Fees			0	25,000					25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>50,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>650,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0	150,000	50,000		100,000		300,000
R3380 Program Open Space			0	350,000					350,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>50,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>650,000</b>

**OPERATING BUDGET IMPACT:**

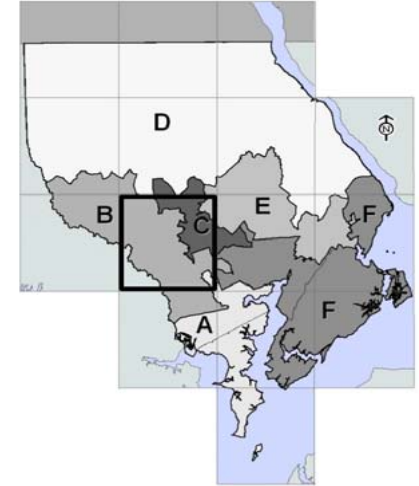
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	912,180
Encumbered	0
<b>Total</b>	<b>\$912,180</b>

**PROJECT: Equestrian Center Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: B****LOCATION: Bel Air****P114124****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding for repairs and improvements to the Facilities at the Equestrian Center, home of the Harford County Farm Fair and numerous equestrian and community events. FY 2012 funds were used to replace the roofs on the pavilions. Future projects to maintain the existing infrastructure will be identified as needs arise. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	311,000		311,000	88,000	100,000	75,000			574,000
Inspection Fees	14,000		14,000	12,000		25,000			51,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>325,000</b>	<b>0</b>	<b>325,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>625,000</b>

**FUNDING SCHEDULE**

R8027 Reappropriated Recordation Tax	150,000		150,000						150,000
R6999 Other	25,000		25,000		100,000				125,000
R8750 Paygo	150,000		150,000						150,000
R1515 Recordation Tax			0	100,000		100,000			200,000
			0						0
			0						0
<b>Total Funds</b>	<b>325,000</b>	<b>0</b>	<b>325,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>625,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

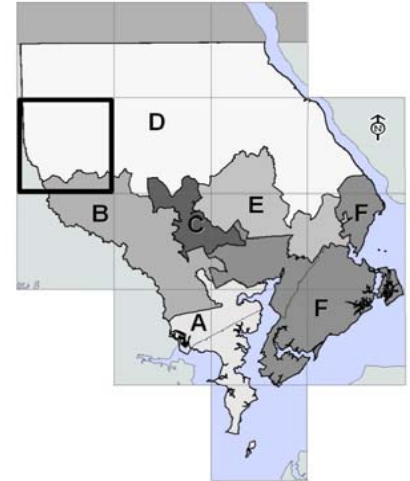
Expended	106,115
Encumbered	0
<b>Total</b>	<b>\$106,115</b>

**PROJECT: Jarrettsville Recreation Center****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Jarrettsville****P154111****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide a multipurpose center to serve the leisure needs for all in the Jarrettsville community. The center will include a gymnasium, fitness room and multipurpose rooms for a variety of community recreational programs. Land acquisition is funded through the Parkland Acquisition Capital Project. Future site amenities include a picnic pavilion and walking trails. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 21: Engineering and Design

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	510,775		510,775						510,775
Land Acquisition			0						0
Construction								6,500,000	6,500,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>510,775</b>	<b>0</b>	<b>510,775</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,500,000</b>	<b>7,010,775</b>

**FUNDING SCHEDULE**

R8750 Paygo	425,000		425,000						425,000
R7000 Future Bonds			0					6,500,000	6,500,000
R8092 Reappropriated Recordation Tax	85,775		85,775						85,775
			0						0
			0						0
<b>Total Funds</b>	<b>510,775</b>	<b>0</b>	<b>510,775</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,500,000</b>	<b>7,010,775</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

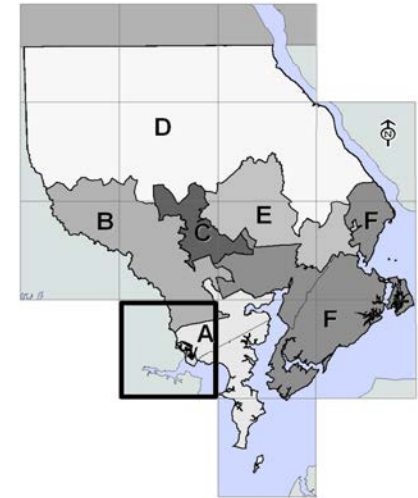
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Joppa/Joppatowne Youth/Senior Center****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for a multipurpose center to serve leisure needs for all ages in the Joppa/Joppatowne community. The center will be utilized by the Office on Aging as a Senior Center and by the Department of Parks and Recreation for a variety of community recreation activities. Engineering and design for the project is scheduled for begin in FY 2023. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 23 - Engineering and Design

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0					500,000	500,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>500,000</b>

**FUNDING SCHEDULE**

R8750 Paygo			0						0
R7000 Future Bonds			0					500,000	500,000
R3399 State Other			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

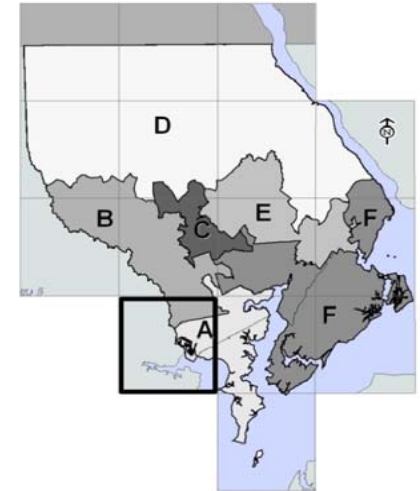
**PROJECT: Magnolia Complex Development****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Magnolia****P074137****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funds for the development of additional athletic fields on vacant land adjacent to Magnolia Elementary and Middle Schools. Three soccer/lacrosse fields and two baseball diamonds were included in this facility, as well as expansion of the parking lots at Magnolia Middle School and Magnolia Elementary School, a stormwater management facility, storage buildings and a pavilion. Future improvements will include restrooms. Additional residential development is anticipated in this area of the County in the future and population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY20: Engineering for restroom

FY20: Restroom construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	80,000		80,000						80,000
Land Acquisition			0						0
Construction	1,917,000		1,917,000		400,000				2,317,000
Inspection Fees	58,000		58,000		25,000				83,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,055,000</b>	<b>0</b>	<b>2,055,000</b>	<b>0</b>	<b>425,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,480,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	80,000		80,000		200,000				280,000
R6330 Developer	150,000		150,000						150,000
R3199 Federal Other	60,000		60,000						60,000
R7100 Prior Bonds	1,650,000		1,650,000						1,650,000
R6999 Other	35,000		35,000						35,000
R3380 Program Open Space	80,000		80,000		225,000				305,000
<b>Total Funds</b>	<b>2,055,000</b>	<b>0</b>	<b>2,055,000</b>	<b>0</b>	<b>425,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,480,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$66,075

Annual Operating/Maintenance Cost: N/A

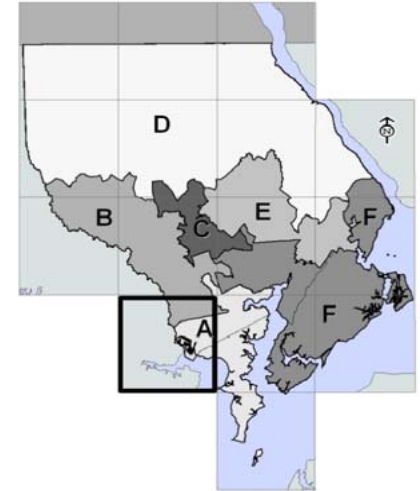
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,585,766
Encumbered	0
<b>Total</b>	<b>\$1,585,766</b>

**PROJECT: Mariner Point Park Renovations****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne****P094127****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes improvements to Mariner Point Park. These projects include the replacement of decking on the existing launching ramps and piers, a canoe launch, shoreline stabilization, trail maintenance and other repairs needed to maintain this community park. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17 - Replacement of decking at boat launch

**PROJECT STATUS:**

The decking on the boat launch is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	340,000		340,000					50,000	390,000
Inspection Fees	21,000		21,000						21,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>361,000</b>	<b>0</b>	<b>361,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>411,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	62,000		62,000					50,000	112,000
R3399 State Other	199,000		199,000						199,000
R6330 Developer	100,000		100,000						100,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>361,000</b>	<b>0</b>	<b>361,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>411,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	95,921
Encumbered	11,478
<b>Total</b>	<b>\$107,399</b>

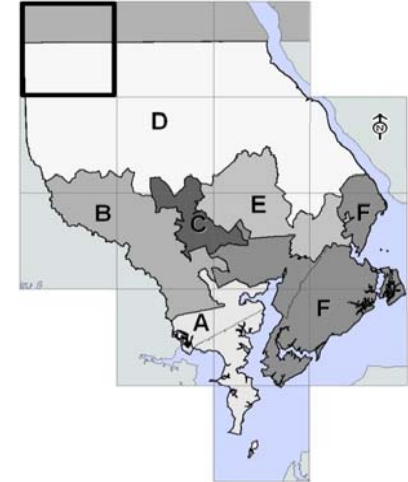
**PROJECT: Norrisville Park****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Norrisville****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes improvements and expansion of the Norrisville Recreation Complex. Conceptual design has been done for the development of a new access, additional fields and parking. Engineering is planned for the initial phase in FY 2019 with construction in FY 2020. Future improvements will include additional fields, parking, restrooms, a picnic pavilion and playground. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 19: Engineering/Design

FY 20: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0		125,000				125,000
Land Acquisition			0						0
Construction			0			500,000	500,000	142,000	1,142,000
Inspection Fees			0			25,000	25,000	8,000	58,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>525,000</b>	<b>525,000</b>	<b>150,000</b>	<b>1,325,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0		125,000	525,000	525,000	150,000	1,325,000
R3380 Program Open Space			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>525,000</b>	<b>525,000</b>	<b>150,000</b>	<b>1,325,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

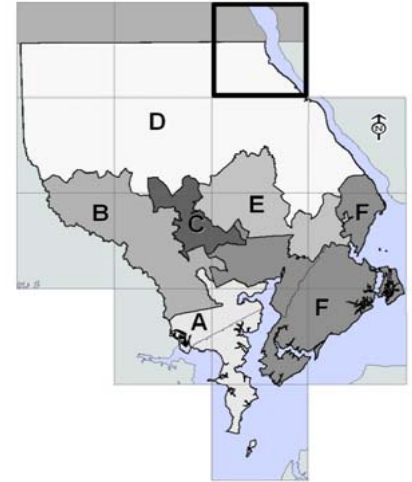
Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Northern Regional Park****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Whiteford****P134110****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes a regional recreation facility to serve multiple recreation councils in the northern part of the County. This site will also house a multigenerational recreation center to serve the northern area of the County. A park site has been acquired for this facility. FY 14 funding request was the authority to accept Program Open Space funding, as available, for reimbursement of land acquisition. Development of the initial phase of the project will be designed in FY 2022 and will include an indoor recreation facility. The second phase of development will focus on needed outdoor facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 22: Engineering

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0				500,000		500,000
Land Acquisition	575,000		575,000						575,000
Construction									0
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>575,000</b>	<b>0</b>	<b>575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>1,075,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	75,000		75,000						75,000
R3380 Program Open Space	500,000		500,000						500,000
R7000 Future Bonds			0				500,000		500,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>575,000</b>	<b>0</b>	<b>575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>1,075,000</b>

**OPERATING BUDGET IMPACT:**

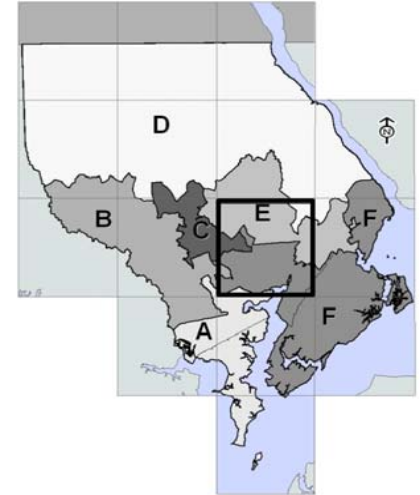
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	458,454
Encumbered	0
<b>Total</b>	<b>\$458,454</b>

**PROJECT: Perryman Park Development****PARKS AND RECREATION****COUNCIL DISTRICT: F****LOCATION: Perryman****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the further development of Perryman Park. The park currently has a dredged material placement site with a walking trail. Future development of the site would include fields, additional parking, and other amenities on the area south of the DMP site to serve the Belcamp Recreation Council. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program recommendations.

**PROJECT SCHEDULE:**

FY 21 - Engineering

**PROJECT STATUS:**

This project is not yet funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0			125,000	125,000		250,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>250,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0			125,000	125,000		250,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>250,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

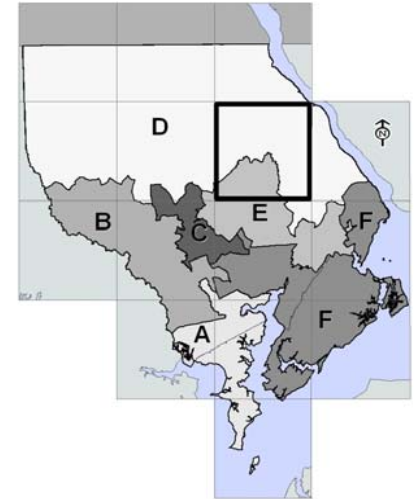
Total \$0

**PROJECT: Prospect Mill Park****PARKS AND RECREATION****COUNCIL DISTRICT: E****LOCATION: Fountain Green****New****PROJECT DESCRIPTION / JUSTIFICATION:**

Harford County developed a 29.9 acre parcel to serve the outdoor recreation needs of the Hickory/Fountain Green area. Amenities such as restrooms, picnic pavilion and playground will be constructed beginning in FY 19. Additional residential development is anticipated in this community. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 19: Installation of pavilion

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0	95,000	480,000				575,000
Inspection Fees			0	5,000	20,000				25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0	100,000	250,000				350,000
R3380 Program Open Space			0		250,000				250,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>

**OPERATING BUDGET IMPACT:**

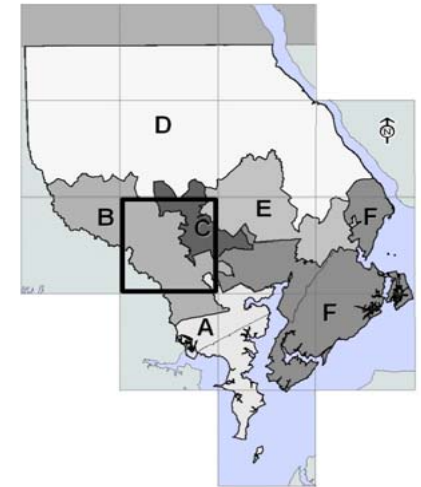
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,223,207
Encumbered	0
<b>Total</b>	<b>\$1,223,207</b>

**PROJECT: Red Pump Road Elementary School Facilities****PARKS AND RECREATION****COUNCIL DISTRICT: C****LOCATION: Bel Air****New****PROJECT DESCRIPTION / JUSTIFICATION:**

A new elementary school has been constructed on Red Pump Road and athletic facilities constructed on an adjoining parcel in partnership with Harford County Public Schools. These fields will be utilized to meet the recreation needs of the Bel Air Recreation Council. Restrooms, storage facilities, playgrounds and other amenities will be needed in the future. Funds for additional improvements may be available from new developments in the area and recreation councils. Additional residential development is anticipated in this community. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 21 - Storage facility construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0			50,000	120,000		170,000
Inspection Fees			0				5,000		5,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>125,000</b>	<b>0</b>	<b>175,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0			50,000	125,000		175,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>125,000</b>	<b>0</b>	<b>175,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$148,300

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	914,008
Encumbered	0
<b>Total</b>	<b>\$914,008</b>

**PROJECT: Robert Copenhagen Park Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Joppatowne****P144126****PROJECT DESCRIPTION / JUSTIFICATION:**

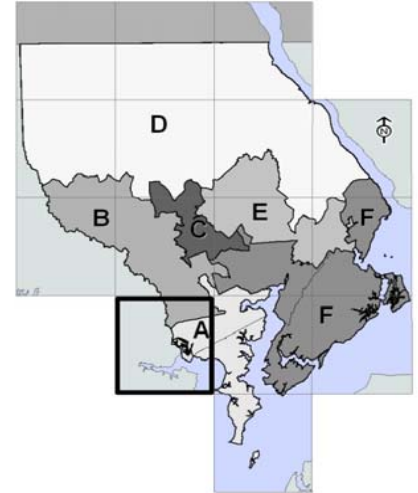
This project will provide improvements to Robert Copenhagen Park in support of the Joppatowne Seahawks recreation football program. Copenhagen Park is the home of the program and the only facility currently available for the football program. Proposed improvements for FY 16 include renovation to the existing restrooms and connecting them to public water and sewer. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 16 - Renovation of existing restrooms, including water and sewer construction

**PROJECT STATUS:**

Connection to public water and sewer is complete. Restroom renovations are being scheduled

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	270,000		270,000					250,000	520,000
Inspection Fees	30,000		30,000						30,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>550,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	300,000		300,000					125,000	425,000
R3380 Program Open Space								125,000	125,000
R6999 Other			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>550,000</b>

**OPERATING BUDGET IMPACT:**

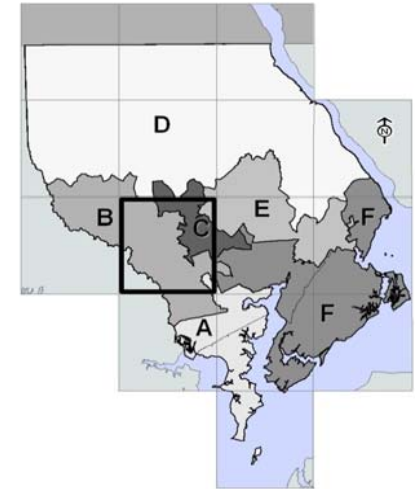
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	90,623
Encumbered	0
<b>Total</b>	<b>\$90,623</b>

**PROJECT: Rockfield Park Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: C****LOCATION: Bel Air****P124125****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes improvements to Rockfield Park. FY 2012 funds were allocated for completion of the walking trail system within Rockfield Park. Previous funding was insufficient for construction of an ADA accessible path to the ball diamond and connection to the existing path in the park. These trails are used for physical fitness activities including walking and jogging. Future projects will be identified as needed. This project supports the goals and objectives of the 2013 Land Preservation, Parks & Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17 - Construction of the ADA pathway to the baseball diamond and connection to existing pathway to playground.

**PROJECT STATUS:**

The Town of Bel Air acquired services in lieu of payment from a developer to complete the walkway in 2017

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	170,000		170,000		95,000	95,000			360,000
Inspection Fees					5,000	5,000			10,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>170,000</b>	<b>0</b>	<b>170,000</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>370,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	85,000		85,000		50,000	50,000			185,000
R6999 Other	85,000		85,000		50,000	50,000			185,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>170,000</b>	<b>0</b>	<b>170,000</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>370,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	15,728
Encumbered	0
<b>Total</b>	<b>\$15,728</b>

**PROJECT: SWM Pond Repair and Renovation****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P144127****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the repair and renovation of existing stormwater management facilities at park sites throughout the County on an as needed basis. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	450,000		450,000	110,000		120,000		120,000	800,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>450,000</b>	<b>0</b>	<b>450,000</b>	<b>110,000</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>120,000</b>	<b>800,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	450,000		450,000	110,000		120,000		120,000	800,000
									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>450,000</b>	<b>0</b>	<b>450,000</b>	<b>110,000</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>120,000</b>	<b>800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	96,090
Encumbered	0
<b>Total</b>	<b>\$96,090</b>

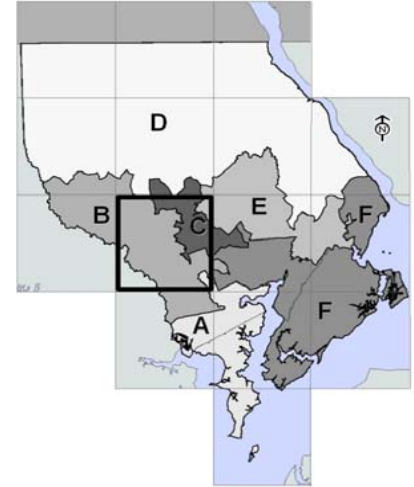
**PROJECT: Tollgate Woodshop****PARKS AND RECREATION****COUNCIL DISTRICT: C****LOCATION: Bel Air****P174110****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for equipment replacement and security system upgrades at the Department Woodshop located in Heavenly Waters Park. The woodshop opened in 2009 and has experienced significant use since opening its doors. Several of the larger mounted pieces of equipment are nearing the end of their useful life. This project will provide funding for replacement equipment as needed in the woodshop. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17 - Equipment replacement and security upgrades

FY 18 - Equipment replacement

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0		10,000				10,000
Land Acquisition			0						0
Construction	5,000		5,000						5,000
Inspection Fees			0						0
Equipment/Furnishing	20,000		20,000		40,000				60,000
<b>Total Cost</b>	<b>25,000</b>	<b>0</b>	<b>25,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>

**FUNDING SCHEDULE**

R8092 Reappropriated Recordation Tax	15,000		15,000						15,000
R6999 Other	10,000		10,000		15,000				25,000
R1515 Recordation Tax			0		35,000				35,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>25,000</b>	<b>0</b>	<b>25,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Vale Road Park****PARKS AND RECREATION****COUNCIL DISTRICT: B****LOCATION: Bel Air****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the construction of new active recreation facilities on the northern side of Heavenly Waters Park. These facilities will address needs for the Bel Air community and will include soccer/lacrosse fields and supporting facilities. Future projects will include a restroom/storage building, picnic pavilion and small playground. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

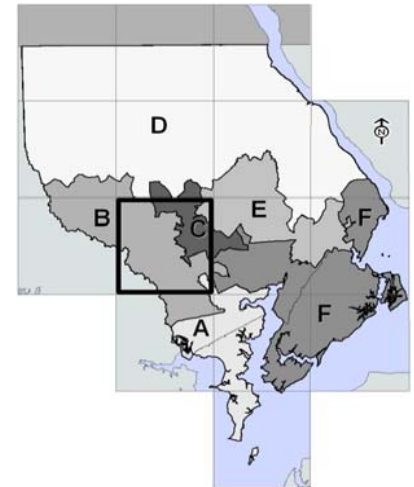
**PROJECT SCHEDULE:**

FY 19 - Engineering and Design

FY 20 - Construction

**PROJECT STATUS:**

This project is not yet funded

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0			100,000			100,000
Land Acquisition			0						0
Construction			0				950,000		950,000
Inspection Fees			0				50,000		50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>1,000,000</b>	<b>0</b>	<b>1,100,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0			100,000	500,000		600,000
R3380 Program Open Space			0				500,000		500,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>1,000,000</b>	<b>0</b>	<b>1,100,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

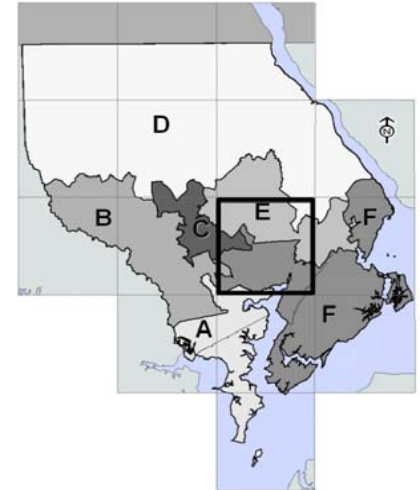
# **OPEN/ACTIVE PROJECTS**

**PROJECT: Abingdon Road Park****PARKS AND RECREATION****COUNCIL DISTRICT: F****LOCATION: Abingdon****P154109****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is the construction of a small park with trails and a pavilion at the former Spencer's landfill behind the Abingdon Water Treatment Plant. The Department of Public Works will be capping the former landfill site in accordance with the Maryland Department of the Environment order. As part of that process the Departments of the Public Works and Parks & Recreation held several meetings with the community and surrounding neighborhoods and passive recreation use was desired for the site. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program recommendations.

**PROJECT SCHEDULE:**

FY 15 - FY 16 : Construction

**PROJECT STATUS:**

The project is complete and the capital project can be closed in FY18

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	150,000		150,000						150,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>150,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	150,000		150,000						150,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>150,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

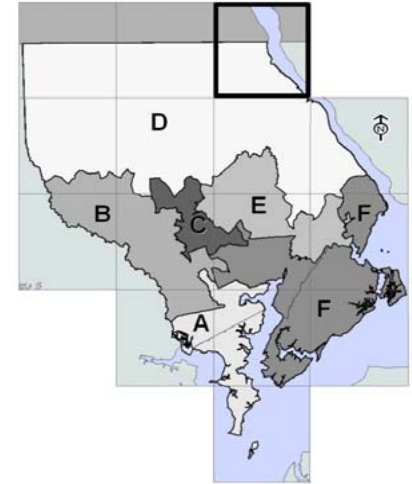
Expended	150,000
Encumbered	0
<b>Total</b>	<b>\$150,000</b>

**PROJECT: Broad Creek Boat Launch Ramp****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Flintville****P104110****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes renovation work to the existing bulkhead, pier and launching ramps at Broad Creek. The last major improvement to this facility was made over twenty years ago. The renovation work will improve the facility and provide safe access to and from the water for the general boating public. Engineering and permitting is complete. State funding has been approved from the Waterway Improvement Program to cover most of these costs. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations. FY 2013 appropriation was to accept Federal grant funds through the State.

**PROJECT SCHEDULE:****PROJECT STATUS:**

The project is complete and the capital account can be closed in FY 18.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	69,000		69,000						69,000
Land Acquisition			0						0
Construction	595,000		595,000						595,000
Inspection Fees	15,000		15,000						15,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>679,000</b>	<b>0</b>	<b>679,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>679,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	25,000		25,000						25,000
R3399 State Other	459,000		459,000						459,000
R3199 Federal Other	195,000		195,000						195,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>679,000</b>	<b>0</b>	<b>679,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>679,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	397,069
Encumbered	0
<b>Total</b>	<b>\$397,069</b>

**PROJECT: Churchville Center Renovations****PARKS AND RECREATION****COUNCIL DISTRICT: E****LOCATION: Churchville****P104112****PROJECT DESCRIPTION / JUSTIFICATION:**

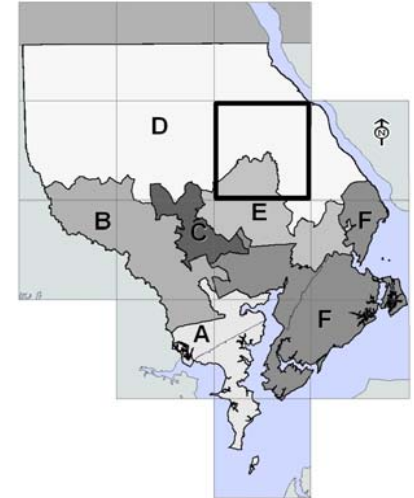
The existing Churchville Recreation Center and associated outbuildings are more than fifteen years old and basic systems need renovation or upgrades. Outside funds will be used for building renovations for expansion of the gymnastic facilities following construction of a new facility for Churchville Recreation Council Programs. Future projects will be identified as needs occur. Maintenance and upgrading of existing facilities are critical to protecting the County's investment in this indoor recreation center. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Renovations to the HVAC system.

**PROJECT STATUS:**

Renovations to the existing HVAC will be completed in FY 18.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	570,000		570,000						570,000
Inspection Fees	5,000		5,000						5,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>575,000</b>	<b>0</b>	<b>575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>575,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	175,000		175,000						175,000
R6999 Other	200,000		200,000						200,000
R8089 Reappropriated Paygo	200,000		200,000						200,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>575,000</b>	<b>0</b>	<b>575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>575,000</b>

**OPERATING BUDGET IMPACT:**

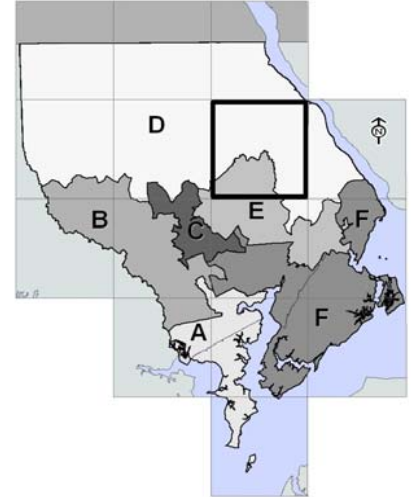
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	168,395
Encumbered	10,101
<b>Total</b>	<b>\$178,496</b>

**PROJECT: Churchville Complex Development****PARKS AND RECREATION****COUNCIL DISTRICT: E****LOCATION: Churchville****P054115****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the further development of the Churchville Recreation Complex. The construction of two multipurpose fields began in FY 2013. The construction of the indoor recreation facility is underway. This facility will house a variety of programs for the Churchville Recreation Council. Future projects include construction of a nature trail and additional active recreation facilities. Additional residential development is anticipated in this community. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

The Churchville Recreation Center - Level Building is open. The project is currently in warranty.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	405,000		405,000						405,000
Land Acquisition			0						0
Construction	7,911,830		7,911,830						7,911,830
Inspection Fees	240,000		240,000						240,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>8,556,830</b>	<b>0</b>	<b>8,556,830</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,556,830</b>

**FUNDING SCHEDULE**

R8750 Paygo	285,322		285,322						285,322
R3199 Federal Other	70,000		70,000						70,000
R7100 Prior Bonds	7,176,830		7,176,830						7,176,830
R3380 Program Open Space	725,000		725,000						725,000
R1515 Recordation Tax	299,678		299,678						299,678
			0						0
<b>Total Funds</b>	<b>8,556,830</b>	<b>0</b>	<b>8,556,830</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,556,830</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$653,243  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	7,809,795
Encumbered	287,221
<b>Total</b>	<b>\$8,097,016</b>

**PROJECT: Debris/Derelict Boats**

**PARKS AND RECREATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**P144121**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the removal of abandoned boats and debris, as necessary, in navigable waterways in Harford County, Maryland.

This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

As needed



**PROJECT STATUS:**

Project is open and ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	100,000		100,000						100,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	100,000	0	100,000	0	0	0	0	0	100,000

**FUNDING SCHEDULE**

R3399 State Other	100,000		100,000						100,000
									0
			0						0
			0						0
			0						0
			0						0
Total Funds	100,000	0	100,000	0	0	0	0	0	100,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

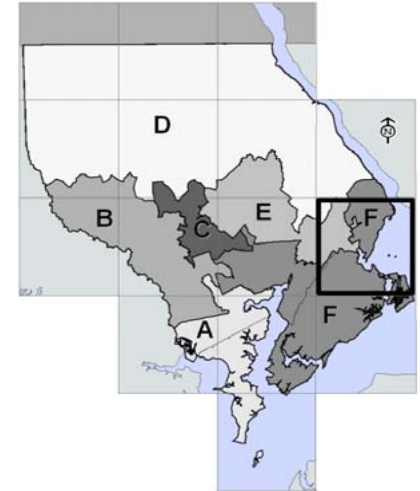
Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Demarco Memorial Park Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: E****LOCATION: Aberdeen****P174109****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for improvements to the fencing at Demarco Memorial Park along Route 22. Future road plans call for the expansion of Route 22 in the area of Demarco Memorial Park. This project is for the installation of a 20 foot high fence along the stretch of the park that faces Route 22. This will reduce safety issues between the park and Route 22 and will minimize the amount of balls that may leave the park and land on Route 22. This project supports the goals and objectives of the 2013 Land Preservation, Parks, and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18 - Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	40,000		40,000						40,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>40,000</b>	<b>0</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>

**FUNDING SCHEDULE**

R8092 Reappropriated Recordation Tax	20,000		20,000						20,000
R6999 Other	20,000		20,000						20,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>40,000</b>	<b>0</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

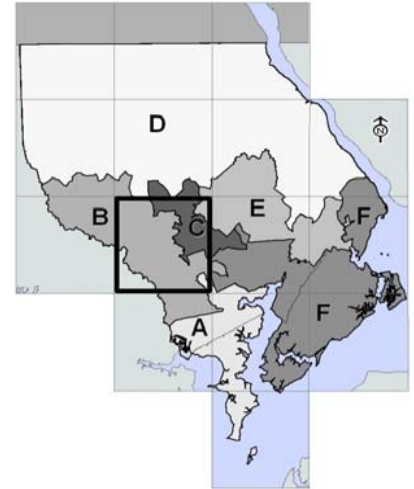
Total \$0

**PROJECT: Edgeley Grove Farm-Smith Property****PARKS AND RECREATION****COUNCIL DISTRICT: B****LOCATION: Benson****P024126****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the construction of recreation facilities at Edgeley Grove Farm. The initial phase of development included two soccer fields, parking on the site for Annie's Playground along with a climbing wall. Conceptual plans for an outdoor amphitheatre and additional parking are completed. Future development of active recreation facilities, additional parking and restroom facilities will occur in separate capital projects. Improvements to Annie's Playground, including an additional stairway access, are being completed. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17 - Renovation of the wiffle ball field at Edgeley Grove Park

**PROJECT STATUS:**

Renovation of the wiffle ball field at the park is underway.

This capital account will be closed in FY 18 once the wiffle ball field renovation is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	125,000		125,000						125,000
Land Acquisition	800,000		800,000						800,000
Construction	3,275,000		3,275,000						3,275,000
Inspection Fees	150,000		150,000						150,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,350,000</b>	<b>0</b>	<b>4,350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,350,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	1,175,000		1,175,000						1,175,000
R3140 Federal MAP-21	1,000,000		1,000,000						1,000,000
R3380 Program Open Space	1,375,000		1,375,000						1,375,000
R6330 Developer	75,000		75,000						75,000
R6999 Other	200,000		200,000						200,000
R8770 Reappropriated	525,000		525,000						525,000
<b>Total Funds</b>	<b>4,350,000</b>	<b>0</b>	<b>4,350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,350,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	3,235,403
Encumbered	20,034
<b>Total</b>	<b>\$3,255,437</b>

**PROJECT: Facility Renovations****PARKS AND RECREATION****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****P104114****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the renovation and repairs at existing facilities. Building improvements, landscaping and other projects may also be funded. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan, and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,152,000		1,152,000						1,152,000
Inspection Fees	53,000		53,000						53,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,205,000</b>	<b>0</b>	<b>1,205,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,205,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	845,000		845,000						845,000
R3320 State DNR/SWM	20,000		20,000						20,000
R6999 Other	340,000		340,000						340,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,205,000</b>	<b>0</b>	<b>1,205,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,205,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	696,266
Encumbered	87,848
<b>Total</b>	<b>\$784,114</b>

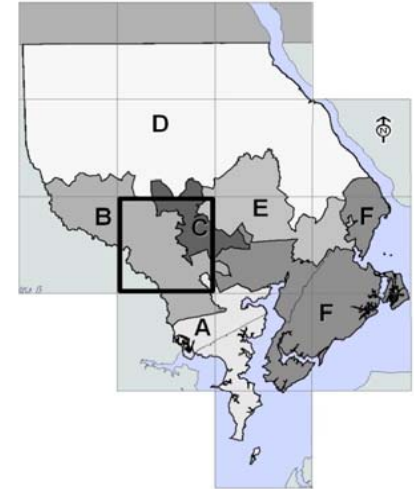
**PROJECT: Fallston Maintenance Shop****PARKS AND RECREATION****COUNCIL DISTRICT: B****LOCATION: Fallston****P144123****PROJECT DESCRIPTION / JUSTIFICATION:**

This project includes improvements at the Parks and Recreation Maintenance Facility in Fallston. Engineering and permitting for removal and replacement of the underground fuel storage tanks with above ground fuel storage tanks and the overall design of the maintenance yard will begin in FY 18. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Above ground fuel storage tanks have replaced the underground tanks

This capital account will be closed out in FY 2018

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	50,000		50,000						50,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	50,000		50,000						50,000
R8750 Paygo									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	9,327
Encumbered	0
<b>Total</b>	<b>\$9,327</b>

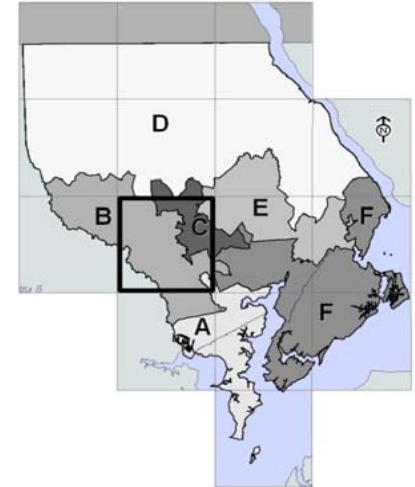
**PROJECT: Fallston Recreation Complex Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: B****LOCATION: Fallston****P144124****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for construction of steps, as well as accessibility improvements to the synthetic turf field and other fields at the Fallston Recreation Complex. Construction of steps to the synthetic turf field will improve player and spectator safety, in addition to further minimizing the presence of dirt, grass, and other organic materials on the field surface.

This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Project is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	15,000		15,000						15,000
Land Acquisition			0						0
Construction	290,000		290,000						290,000
Inspection Fees	20,000		20,000						20,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>325,000</b>	<b>0</b>	<b>325,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>325,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	325,000		325,000						325,000
									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>325,000</b>	<b>0</b>	<b>325,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>325,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	324,999
Encumbered	0
<b>Total</b>	<b><u>\$324,999</u></b>

**PROJECT: Heavenly Waters Park - Soma****PARKS AND RECREATION****COUNCIL DISTRICT: B****LOCATION: Benson****P164116****PROJECT DESCRIPTION / JUSTIFICATION:**

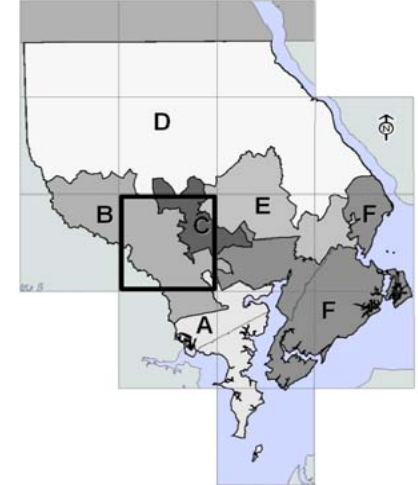
This project proposes the long term development of the Soma area of Heavenly Waters Park. FY 16 funding is provided to stabilize the existing barn. The bank barn is unusual and holds potential for adaptive reuse. Future site improvements are dependent on provision of appropriate access. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 16: Construction

**PROJECT STATUS:**

Initial stabilization of the barn has been completed.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	95,000		95,000						95,000
Inspection Fees	5,000		5,000						5,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	57,161
Encumbered	42,839
<b>Total</b>	<b>\$100,000</b>

**PROJECT: Heavenly Waters Park****COUNCIL DISTRICT: B****LOCATION: Bel Air****PARKS AND RECREATION****P054119****PROJECT DESCRIPTION / JUSTIFICATION:**

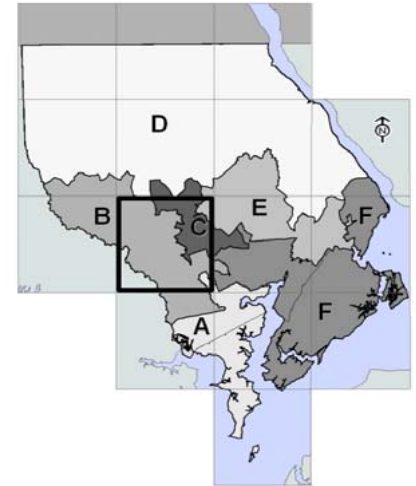
This project proposes the maintenance and development of Heavenly Waters Park. Heavenly Waters Park is the home of the Equestrian Center, Tollgate Fields and the Parks and Recreation Headquarters. The Equestrian Center is used for the Farm Fair and by many different organizations for fundraisers and other events. The current farm pond has structural deficiencies. The conversion of the pond to a wetland will address these deficiencies and reduce the long term maintenance costs of the pond. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 16-17 - Engineering and Design

**PROJECT STATUS:**

Engineered plans are currently under permit review.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	2,095,000		2,095,000						2,095,000
Inspection Fees	25,000		25,000						25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,120,000</b>	<b>0</b>	<b>2,120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,120,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	305,000		305,000						305,000
R6330 Developer	25,000		25,000						25,000
R6999 Other	90,000		90,000						90,000
R7100 Prior Bonds	1,100,000		1,100,000						1,100,000
R3399 State Other	600,000		600,000						600,000
<b>Total Funds</b>	<b>2,120,000</b>	<b>0</b>	<b>2,120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,120,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$117,474

Annual Operating/Maintenance Cost: N/A

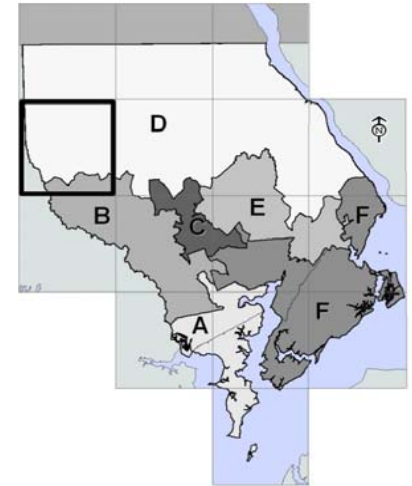
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	946,434
Encumbered	27,950
<b>Total</b>	<b>\$974,384</b>

**PROJECT: Jarrettsville Complex Restrooms****PARKS AND RECREATION****COUNCIL DISTRICT: D****LOCATION: Jarrettsville****P124122****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the replacement of the existing restrooms at the Jarrettsville Recreation Complex. These restrooms were constructed more than 30 years ago and are outdated and inadequate in number for the usage of the park. Renovation of the existing restroom facilities was determined, to be the most cost effective approach. Future park improvements will be considered as funding is available. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Renovation of the restrooms is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	50,000		50,000						50,000
Land Acquisition			0						0
Construction	285,000		285,000						285,000
Inspection Fees	15,000		15,000						15,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>350,000</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	350,000		350,000						350,000
									0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>350,000</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

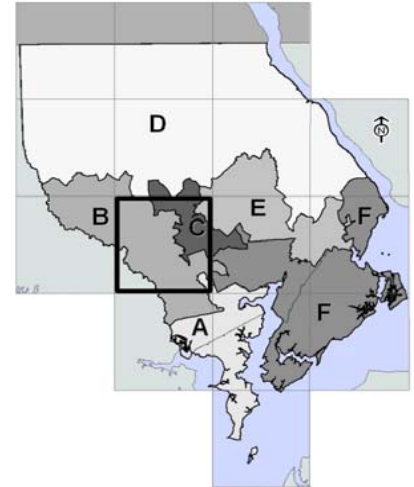
Expended	269,499
Encumbered	0
<b>Total</b>	<b>\$269,499</b>

**PROJECT: McFaul Activity Center Renovations****PARKS AND RECREATION****COUNCIL DISTRICT: C****LOCATION: Bel Air****P144125****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes replacement of the roof at the McFaul Activity Center. The roof at the activity center has developed several leaks over its lifetime and is in need of repair and replacement, particularly over the office areas in the building. This will prevent further damage to the building. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 16: Construction

**PROJECT STATUS:**

The capital account for the project can be closed in FY 18

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	25,000		25,000						25,000
Land Acquisition			0						0
Construction	206,000		206,000						206,000
Inspection Fees	20,000		20,000						20,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>251,000</b>	<b>0</b>	<b>251,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>251,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	242,000		242,000						242,000
R1515 Recordation Tax	9,000		9,000						9,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>251,000</b>	<b>0</b>	<b>251,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>251,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

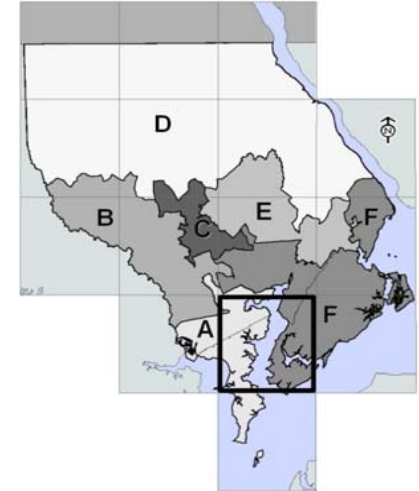
Expended	250,538
Encumbered	0
<b>Total</b>	<b><u>\$250,538</u></b>

**PROJECT: Nuttal Avenue Park Development****PARKS AND RECREATION****COUNCIL DISTRICT: A****LOCATION: Edgewood****P094128****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the development of passive community amenities, such as trails, a picnic pavilion and amphitheatre on a vacant site. Engineering, including site investigation of remnants of former structures, was initiated in FY 2010. Development of an attractive park site and community attractions will contribute to revitalization of the area. Funding may include Community Legacy and Program Open Space funds as well as local funds. Additional residential development is anticipated in the Edgewood community. Population growth will generate demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	75,000		75,000						75,000
Land Acquisition			0						0
Construction	400,000		400,000						400,000
Inspection Fees	25,000		25,000						25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>500,000</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>

**FUNDING SCHEDULE**

R8092 Reappropriated Paygo	50,000		50,000						50,000
R3399 State Other	400,000		400,000						400,000
R1515 Recordation Tax	50,000		50,000						50,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>500,000</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

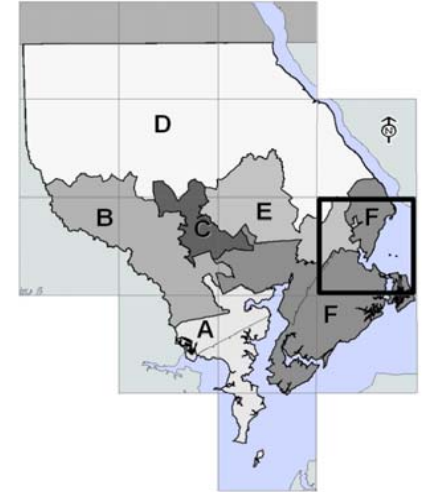
Expended	33,363
Encumbered	11,657
<b>Total</b>	<b>\$45,020</b>

**PROJECT: Oakington Farms-Tydings Park****PARKS AND RECREATION****COUNCIL DISTRICT: F****LOCATION: Havre de Grace, MD****P124123****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the development of the Millard and Eleanore Tydings Park in partnership with Chesapeake Therapeutic Riding, a nonprofit Recreation Council. The large French barn and other structures will be adapted for this use and an indoor riding arena constructed. Future development will be at a level appropriate to the farm lane which provides access while providing opportunities for public use. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project has been cancelled and the capital account will be closed.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction	1,781,000		1,781,000						1,781,000
Inspection Fees	19,000		19,000						19,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,900,000</b>	<b>0</b>	<b>1,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,900,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	800,000		800,000						800,000
R6999 Other	1,000,000		1,000,000						1,000,000
R8027 Reappropriated Recordation Tax	100,000		100,000						100,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,900,000</b>	<b>0</b>	<b>1,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,900,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	475,100
Encumbered	0
<b>Total</b>	<b>\$475,100</b>

**PROJECT: Park Improvements**

**PARKS AND RECREATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**P104116**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the installation of many small projects throughout the County to include, but not limited to, tree and shrub planting, picnic tables and grills, etc. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17: Construction



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	780,000		780,000						780,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	780,000	0	780,000	0	0	0	0	0	780,000

**FUNDING SCHEDULE**

R1515 Recordation Tax	395,000		395,000						395,000
R6330 Developer	335,000		335,000						335,000
R3399 State Other	47,500		47,500						47,500
R6999 Other	2,500		2,500						2,500
			0						0
			0						0
Total Funds	780,000	0	780,000	0	0	0	0	0	780,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	376,885
Encumbered	0
Total	<u>\$376,885</u>

**PROJECT: Promenade Park****PARKS AND RECREATION****COUNCIL DISTRICT: F****LOCATION: Havre de Grace****P164117****PROJECT DESCRIPTION / JUSTIFICATION:**

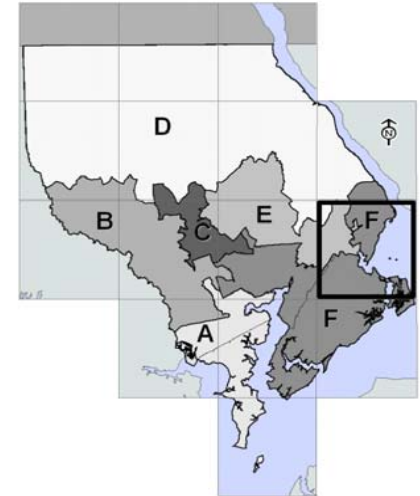
This project proposes installation of park benches on the new park property by the lighthouse. This property was recently purchased by the City of Havre de Grace. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program recommendations.

**PROJECT SCHEDULE:**

FY 16 - Installation of park benches

**PROJECT STATUS:**

The project is complete and the capital account will be closed in FY 18

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	15,000		15,000						15,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>15,000</b>	<b>0</b>	<b>15,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	15,000		15,000						15,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>15,000</b>	<b>0</b>	<b>15,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

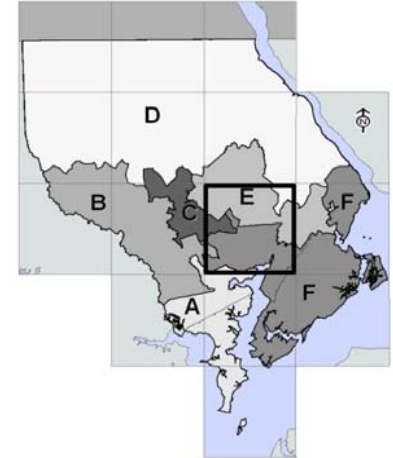
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	14,697
Encumbered	0
<b>Total</b>	<b>\$14,697</b>

**PROJECT: Schucks Road Regional Complex****PARKS AND RECREATION****COUNCIL DISTRICT: E****LOCATION: Churchville****P064137****PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposed the development of a 71 acre site centrally located in Harford County. Three Recreation Councils (Hickory/Fountain Green, Forest Hill and Emmorton) have contributed funds towards site acquisition and will share facilities. The initial phase of park development will include baseball/softball diamonds, lacrosse/soccer field, and entrance road with associated parking. Population growth in this area will create demand for additional recreation facilities. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 17 - Wetlands mitigation monitoring

**PROJECT STATUS:**

Wetlands mitigation monitoring continues. Repairs from scouring at the entrance road culvert will be completed in 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	150,000		150,000						150,000
Land Acquisition	200,000		200,000						200,000
Construction	7,340,415		7,340,415						7,340,415
Inspection Fees	420,000		420,000						420,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>8,110,415</b>	<b>0</b>	<b>8,110,415</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,110,415</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	1,995,000		1,995,000						1,995,000
R6999 Other	100,000		100,000						100,000
R7100 Prior Bonds	2,530,000		2,530,000						2,530,000
R8770 Reappropriated	1,454,415		1,454,415						1,454,415
R3380 Program Open Space	1,956,000		1,956,000						1,956,000
R8027 Reappropriated Recordation Tax	75,000		75,000						75,000
<b>Total Funds</b>	<b>8,110,415</b>	<b>0</b>	<b>8,110,415</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,110,415</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$222,404  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	5,527,080
Encumbered	138,945
<b>Total</b>	<b>\$5,666,025</b>

**PROJECT: Tydings Park Improvements****PARKS AND RECREATION****COUNCIL DISTRICT: F****LOCATION: Havre de Grace****P174111****PROJECT DESCRIPTION / JUSTIFICATION:**

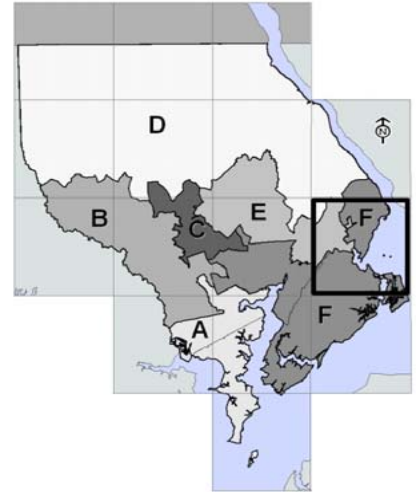
This project is for improvements at Tydings Park in Havre de Grace. Working in cooperation with the City of Havre de Grace this project is to construct an inclusive playground for individuals with physical and developmental challenges. Additionally, the project will include ADA accessibility improvements at the park site. This project supports the goals and objectives of the 2013 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 17 - Engineering and Construction

**PROJECT STATUS:**

Construction of the playground is underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	10,000		10,000						10,000
Land Acquisition			0						0
Construction	380,000		380,000						380,000
Inspection Fees	10,000		10,000						10,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>400,000</b>	<b>0</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

**FUNDING SCHEDULE**

R8092 Reappropriated Recordation Tax	200,000		200,000						200,000
R6999 Other	200,000		200,000						200,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>400,000</b>	<b>0</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>HIGHWAYS FUND</b>								
<b>BRIDGES</b>								
<b>FY 18 Funded Projects:</b>								
Abingdon Road Bridge #169 over CSX	4,555,000	1,130,000	200,000	3,225,000	0	0	0	0
Bridge & Road Scour Repair	2,150,000	1,300,000	100,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program	3,150,000	0	200,000	800,000	200,000	850,000	200,000	900,000
Bridge Painting	1,300,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000
Carrs Mill Road Bridge #216	2,575,000	2,395,000	180,000	0	0	0	0	0
Chestnut Hill Bridge #40	1,630,000	495,000	30,000	100,000	0	1,005,000	0	0
Culvert Rehabilitation	5,375,000	4,275,000	100,000	200,000	200,000	200,000	200,000	200,000
Glenville Road Bridge #30	1,480,000	370,000	40,000	25,000	1,045,000	0	0	0
Green Road Bridges #119 and #122	719,088	644,088	75,000	0	0	0	0	0
Harford Creamery Road Bridge #104	1,628,322	1,663,204	(34,882)	0	0	0	0	0
Hess Road Bridge #82	1,252,311	1,300,000	(47,689)	0	0	0	0	0
Jericho Road Bridge	1,518,729	1,530,000	(11,271)	0	0	0	0	0
Johnson Mill Road Bridge #45	680,000	140,000	60,000	10,000	0	470,000	0	0
New Park Road Bridge #125	700,000	600,000	100,000	0	0	0	0	0
Robinson Mill Road Bridge #154	1,685,000	1,385,000	300,000	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	195,000	900,000	0	0	0	0	0
Stafford Road Bridge #24	2,005,000	280,000	125,000	1,600,000	0	0	0	0
<b>Outyear Projects:</b>								
Boggs Road Bridge #66	1,520,000	0	0	0	200,000	20,000	0	1,300,000
Bridge Rehabilitation	2,450,000	950,000	0	300,000	300,000	300,000	300,000	300,000
Carea Road Bridge #126	289,207	89,207	0	0	200,000	0	0	0
Deep Run Road Bridge #152	760,000	0	0	200,000	10,000	0	550,000	0
Edwards Lane Culvert	905,000	5,000	0	0	0	900,000	0	0
Fawn Grove Road Bridge #132	1,335,000	10,000	0	0	200,000	50,000	1,075,000	0
Glen Cove Road Bridge #156	950,000	150,000	0	0	800,000	0	0	0
Moores Road Bridge #78	1,095,000	0	0	0	200,000	25,000	0	870,000
Phillips Mill Road Bridge #70	1,925,000	550,000	0	1,375,000	0	0	0	0
Scarboro Road Bridge #140	210,000	0	0	0	0	0	200,000	10,000
Structural Evaluation	670,000	420,000	0	50,000	50,000	50,000	50,000	50,000
<b>Open Projects:</b>								
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0
Watervale Road Bridge #63	4,155,000	4,155,000	0	0	0	0	0	0
<b>Bridges Total by Project</b>	<b>56,252,657</b>	<b>30,621,499</b>	<b>2,516,158</b>	<b>8,235,000</b>	<b>3,755,000</b>	<b>4,220,000</b>	<b>2,925,000</b>	<b>3,980,000</b>
Paygo	21,007,084	14,182,084	600,000	1,000,000	1,200,000	2,125,000	1,000,000	900,000
Prior Paygo	(185,638)	(91,796)	(93,842)	0	0	0	0	0
Future Bonds	10,104,000	0	1,260,000	2,655,000	1,619,000	565,000	1,825,000	2,180,000
Prior Bonds	2,110,559	2,110,559	0	0	0	0	0	0
Reappropriated	669,652	669,652	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0
Federal	22,067,000	13,271,000	750,000	4,580,000	936,000	1,530,000	100,000	900,000
Other	480,000	480,000	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0
<b>Bridges Total by Fund</b>	<b>56,252,657</b>	<b>30,621,499</b>	<b>2,516,158</b>	<b>8,235,000</b>	<b>3,755,000</b>	<b>4,220,000</b>	<b>2,925,000</b>	<b>3,980,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM FY 2020	FY 2021	FY 2022	FY 2023
<b>ROADWAYS</b>								
<b><u>FY 18 Funded Projects:</u></b>								
Chapel Road Improvements	225,000	0	225,000	0	0	0	0	0
Drainage Improvements	2,450,000	1,425,000	150,000	175,000	175,000	175,000	175,000	175,000
Guardrails	1,150,000	425,000	100,000	125,000	125,000	125,000	125,000	125,000
Intersection Improvements	4,711,728	2,431,728	450,000	630,000	300,000	300,000	300,000	300,000
Moore's Mill Road	10,363,088	9,713,088	650,000	0	0	0	0	0
New Roads and Stormdrains	3,625,000	2,475,000	150,000	200,000	200,000	200,000	200,000	200,000
Schucks Road Improvements	1,712,192	437,192	0	1,275,000	0	0	0	0
Stormdrain Rehabilitation	2,645,000	1,045,000	200,000	250,000	250,000	300,000	300,000	300,000
Tollgate Road (West Ring Factory Road to Plumtree Road)	7,423,439	5,473,439	1,950,000	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	1,300,000	450,000	100,000	150,000	150,000	150,000	150,000	150,000
<b><u>Outyear Projects:</u></b>								
Bata Blvd. Access Road	480,000	0	0	0	30,000	450,000	0	0
MD152/Oakmont Road/Port Lane	950,732	400,732	0	0	0	0	550,000	0
Traffic Signals	309,601	109,601	0	50,000	50,000	50,000	50,000	0
Trimble Road (Joppa Road to Garnett Drive)	650,000	0	0	0	100,000	50,000	0	500,000
<b><u>Open Projects:</u></b>								
Cape Knoll Road Acceptance	150,000	150,000	0	0	0	0	0	0
Landis Circle - Foxborough Farms	350,000	350,000	0	0	0	0	0	0
Schucks Road Culvert Replacement	80,000	80,000	0	0	0	0	0	0
Village of Scot's Fancy Starmount Lane	750,000	750,000	0	0	0	0	0	0
<b>Roadways Total by Project</b>	<b>39,325,780</b>	<b>25,715,780</b>	<b>3,975,000</b>	<b>2,855,000</b>	<b>1,380,000</b>	<b>1,800,000</b>	<b>1,850,000</b>	<b>1,750,000</b>
Paygo	19,266,033	10,611,033	1,275,000	1,480,000	1,250,000	1,250,000	1,750,000	1,650,000
Future Bonds	4,235,000	0	2,480,000	1,275,000	30,000	450,000	0	0
Prior Bonds	8,531,707	8,531,707	0	0	0	0	0	0
Reappropriated	309,601	309,601	0	0	0	0	0	0
State	1,783,439	1,663,439	120,000	0	0	0	0	0
Federal	0	0	0	0	0	0	0	0
Developer	3,050,000	2,450,000	100,000	100,000	100,000	100,000	100,000	100,000
Other	2,150,000	2,150,000	0	0	0	0	0	0
<b>Roadways Total by Fund</b>	<b>39,325,780</b>	<b>25,715,780</b>	<b>3,975,000</b>	<b>2,855,000</b>	<b>1,380,000</b>	<b>1,800,000</b>	<b>1,850,000</b>	<b>1,750,000</b>
<b>RESURFACING</b>								
<b><u>FY 18 Funded Projects:</u></b>								
Resurfacing Roadways	31,955,017	0	5,705,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000
<b><u>Open Projects:</u></b>								
Resurfacing Roadways 14	6,661,509	6,661,509	0	0	0	0	0	0
Resurfacing Roadways 15	5,603,106	5,603,106	0	0	0	0	0	0
Resurfacing Roadways 16	5,292,842	5,292,842	0	0	0	0	0	0
Resurfacing Roadways 17	5,002,435	5,002,435	0	0	0	0	0	0
<b>Resurfacing Total by Project</b>	<b>54,514,909</b>	<b>22,559,892</b>	<b>5,705,017</b>	<b>5,150,000</b>	<b>5,200,000</b>	<b>5,250,000</b>	<b>5,300,000</b>	<b>5,350,000</b>
Paygo	51,845,675	19,984,500	5,611,175	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000
Reappropriated	2,575,392	2,575,392	0	0	0	0	0	0
Prior Paygo	93,842	0	93,842	0	0	0	0	0
<b>Resurfacing Total by Fund</b>	<b>54,514,909</b>	<b>22,559,892</b>	<b>5,705,017</b>	<b>5,150,000</b>	<b>5,200,000</b>	<b>5,250,000</b>	<b>5,300,000</b>	<b>5,350,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<u>HIGHWAYS FUND</u>								
OTHER								
<u>FY 18 Funded Projects:</u>								
APG Gate Pilot	2,000,000	820,603	1,179,397	0	0	0	0	0
Fleet Maintenance Facility	1,940,000	0	155,000	1,785,000	0	0	0	0
Fleet Replacement	17,942,000	8,942,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Refresh Program	940,500	365,500	75,000	100,000	100,000	100,000	100,000	100,000
Safeguarding Business Operations	3,687,450	2,687,450	250,000	250,000	250,000	250,000	0	0
Sidewalks and Handicapped Ramps	1,899,300	999,300	150,000	150,000	150,000	150,000	150,000	150,000
<u>Outyear Projects:</u>								
Efficiency Capital Investment Project	355,000	155,000	0	40,000	40,000	40,000	40,000	40,000
Equipment Sheds	200,000	0	0	100,000	100,000	0	0	0
Facilities Repair Program	1,507,000	1,007,000	0	100,000	100,000	100,000	100,000	100,000
<u>Open Projects:</u>								
Fuel Dispensing System Upgrade	950,000	950,000	0	0	0	0	0	0
Glen Elyn Culvert and Ponds Repair	392,500	392,500	0	0	0	0	0	0
HMAN (Harford County Metro Area Network)	930,000	930,000	0	0	0	0	0	0
Primrose Place	146,000	146,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equipment	1,600,000	1,600,000	0	0	0	0	0	0
Other Total by Project	34,489,750	18,995,353	3,309,397	4,025,000	2,240,000	2,140,000	1,890,000	1,890,000
Paygo	30,790,752	18,178,688	2,212,064	2,240,000	2,240,000	2,140,000	1,890,000	1,890,000
Future Bonds	1,940,000	0	155,000	1,785,000	0	0	0	0
Special Paygo	0	0	0	0	0	0	0	0
Reappropriated	138,865	138,865	0	0	0	0	0	0
Federal	169,300	169,300	0	0	0	0	0	0
State	70,000	70,000	0	0	0	0	0	0
Developer	64,650	64,650	0	0	0	0	0	0
Other	1,316,183	373,850	942,333	0	0	0	0	0
Other Total by Fund	34,489,750	18,995,353	3,309,397	4,025,000	2,240,000	2,140,000	1,890,000	1,890,000
<b>TOTAL HIGHWAYS CAPITAL</b>	<b>184,583,096</b>	<b>97,892,524</b>	<b>15,505,572</b>	<b>20,265,000</b>	<b>12,575,000</b>	<b>13,410,000</b>	<b>11,965,000</b>	<b>12,970,000</b>

## FY 18 APPROVED CAPITAL BUDGET

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<u>HIGHWAYS FUND</u>													
HIGHWAYS													
BRIDGES													
Abingdon Road Bridge #169 over CSX	200,000	0	40,000	0	0	0	0	0	0	0	160,000	0	0
Bridge and Road Scour Repairs	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program	200,000	0	100,000	0	0	0	0	0	0	0	100,000	0	0
Bridge Painting	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Carrs Mill Road Bridge #216	180,000	0	30,000	0	0	0	0	0	0	0	150,000	0	0
Chestnut Hill Bridge #40	30,000	0	30,000	0	0	0	0	0	0	0	0	0	0
Culvert Rehabilitation	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Glenville Road Bridge #30	40,000	0	0	0	40,000	0	0	0	0	0	0	0	0
Green Road Bridges #119 and #122	75,000	0	0	0	75,000	0	0	0	0	0	0	0	0
Harford Creamery Road Bridge #104	(34,882)	(34,882)	0	0	0	0	0	0	0	0	0	0	0
Hess Road Bridge #82	(47,689)	(47,689)	0	0	0	0	0	0	0	0	0	0	0
Jericho Road Bridge	(11,271)	(11,271)	0	0	0	0	0	0	0	0	0	0	0
Johnson Mill Road Bridge #45	60,000	0	0	0	60,000	0	0	0	0	0	0	0	0
New Park Road Bridge #125	100,000	0	0	0	100,000	0	0	0	0	0	0	0	0
Robinson Mill Road Bridge #154	300,000	0	0	0	60,000	0	0	0	0	0	240,000	0	0
Snake Lane Bridge #31	900,000	0	0	0	900,000	0	0	0	0	0	0	0	0
Stafford Road Bridge #24	125,000	0	0	0	25,000	0	0	0	0	0	100,000	0	0
<b>SUB-TOTAL BRIDGES</b>	<b>2,516,158</b>	<b>(93,842)</b>	<b>600,000</b>	<b>0</b>	<b>1,260,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>	<b>0</b>	<b>0</b>
ROADWAYS													
Chapel Road Improvements	225,000	0	225,000	0	0	0	0	0	0	0	0	0	0
Drainage Improvements	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Guardrails	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	450,000	0	450,000	0	0	0	0	0	0	0	0	0	0
Moores Mill Road	650,000	0	0	0	530,000	0	0	0	120,000	0	0	0	0
New Roads and Stormdrains	150,000	0	50,000	0	0	0	0	0	0	0	0	100,000	0
Stormdrain Rehabilitation	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Tollgate Road (West Ring Factory Rd to Plumtree Rd)	1,950,000	0	0	0	1,950,000	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL ROADWAYS</b>	<b>3,975,000</b>	<b>0</b>	<b>1,275,000</b>	<b>0</b>	<b>2,480,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<u>HIGHWAYS FUND</u>													
HIGHWAYS													
RESURFACING													
Resurfacing Roadways 18	5,705,017	93,842	5,611,175	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL RESURFACING</b>	<b>5,705,017</b>	<b>93,842</b>	<b>5,611,175</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
OTHER													
APG Gate Pilot	1,179,397	0	237,064	0	0	0	0	0	0	0	0	0	942,333
Fleet Maintenance Facility	155,000	0	0	0	155,000	0	0	0	0	0	0	0	0
Fleet Replacement	1,500,000	0	1,500,000	0	0	0	0	0	0	0	0	0	0
Refresh	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL OTHER</b>	<b>3,309,397</b>	<b>0</b>	<b>2,212,064</b>	<b>0</b>	<b>155,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>942,333</b>
<b>TOTAL HIGHWAYS FUND CAPITAL</b>	<b>15,505,572</b>	<b>0</b>	<b>9,698,239</b>	<b>0</b>	<b>3,895,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>750,000</b>	<b>100,000</b>	<b>942,333</b>



## Harford County Roads

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<u>HIGHWAYS FUND</u>								
BRIDGES								
<b>FY 18 Funded Projects:</b>								
Abingdon Road Bridge #169 over CSX	4,555,000	1,130,000	200,000	3,225,000	0	0	0	0
Bridge & Road Scour Repair	2,150,000	1,300,000	100,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program	3,150,000	0	200,000	800,000	200,000	850,000	200,000	900,000
Bridge Painting	1,300,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000
Carrs Mill Road Bridge #216	2,575,000	2,395,000	180,000	0	0	0	0	0
Chestnut Hill Bridge #40	1,630,000	495,000	30,000	100,000	0	1,005,000	0	0
Culvert Rehabilitation	5,375,000	4,275,000	100,000	200,000	200,000	200,000	200,000	200,000
Glenville Road Bridge #30	1,480,000	370,000	40,000	25,000	1,045,000	0	0	0
Green Road Bridges #119 and #122	719,088	644,088	75,000	0	0	0	0	0
Harford Creamery Road Bridge #104	1,628,322	1,663,204	(34,882)	0	0	0	0	0
Hess Road Bridge #82	1,252,311	1,300,000	(47,689)	0	0	0	0	0
Jericho Road Bridge	1,518,729	1,530,000	(11,271)	0	0	0	0	0
Johnson Mill Road Bridge #45	680,000	140,000	60,000	10,000	0	470,000	0	0
New Park Road Bridge #125	700,000	600,000	100,000	0	0	0	0	0
Robinson Mill Road Bridge #154	1,685,000	1,385,000	300,000	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	195,000	900,000	0	0	0	0	0
Stafford Road Bridge #24	2,005,000	280,000	125,000	1,600,000	0	0	0	0
<b>Outyear Projects:</b>								
Boggs Road Bridge #66	1,520,000	0	0	0	200,000	20,000	0	1,300,000
Bridge Rehabilitation	2,450,000	950,000	0	300,000	300,000	300,000	300,000	300,000
Carea Road Bridge #126	289,207	89,207	0	0	200,000	0	0	0
Deep Run Road Bridge #152	760,000	0	0	200,000	10,000	0	550,000	0
Edwards Lane Culvert	905,000	5,000	0	0	0	900,000	0	0
Fawn Grove Road Bridge #132	1,335,000	10,000	0	0	200,000	50,000	1,075,000	0
Glen Cove Road Bridge #156	950,000	150,000	0	0	800,000	0	0	0
Moore's Road Bridge #78	1,095,000	0	0	0	200,000	25,000	0	870,000
Phillips Mill Road Bridge #70	1,925,000	550,000	0	1,375,000	0	0	0	0
Scarboro Road Bridge #140	210,000	0	0	0	0	0	200,000	10,000
Structural Evaluation	670,000	420,000	0	50,000	50,000	50,000	50,000	50,000
<b>Open Projects:</b>								
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0
Watervale Road Bridge #63	4,155,000	4,155,000	0	0	0	0	0	0
<b>Bridges Total by Project</b>	<b>56,252,657</b>	<b>30,621,499</b>	<b>2,516,158</b>	<b>8,235,000</b>	<b>3,755,000</b>	<b>4,220,000</b>	<b>2,925,000</b>	<b>3,980,000</b>
Paygo	21,007,084	14,182,084	600,000	1,000,000	1,200,000	2,125,000	1,000,000	900,000
Prior Paygo	(185,638)	(91,796)	(93,842)	0	0	0	0	0
Future Bonds	10,104,000	0	1,260,000	2,655,000	1,619,000	565,000	1,825,000	2,180,000
Prior Bonds	2,110,559	2,110,559	0	0	0	0	0	0
Reappropriated	669,652	669,652	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0
Federal	22,067,000	13,271,000	750,000	4,580,000	936,000	1,530,000	100,000	900,000
Other	480,000	480,000	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0
<b>Bridges Total by Fund</b>	<b>56,252,657</b>	<b>30,621,499</b>	<b>2,516,158</b>	<b>8,235,000</b>	<b>3,755,000</b>	<b>4,220,000</b>	<b>2,925,000</b>	<b>3,980,000</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<u>HIGHWAYS FUND</u>													
HIGHWAYS													
BRIDGES													
Abingdon Road Bridge #169 over CSX	200,000	0	40,000	0	0	0	0	0	0	0	160,000	0	0
Bridge and Road Scour Repairs	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program	200,000	0	100,000	0	0	0	0	0	0	0	100,000	0	0
Bridge Painting	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Carrs Mill Road Bridge #216	180,000	0	30,000	0	0	0	0	0	0	0	150,000	0	0
Chestnut Hill Bridge #40	30,000	0	30,000	0	0	0	0	0	0	0	0	0	0
Culvert Rehabilitation	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Glenville Road Bridge #30	40,000	0	0	0	40,000	0	0	0	0	0	0	0	0
Green Road Bridges #119 and #122	75,000	0	0	0	75,000	0	0	0	0	0	0	0	0
Harford Creamery Road Bridge #104	(34,882)	(34,882)	0	0	0	0	0	0	0	0	0	0	0
Hess Road Bridge #82	(47,689)	(47,689)	0	0	0	0	0	0	0	0	0	0	0
Jericho Road Bridge	(11,271)	(11,271)	0	0	0	0	0	0	0	0	0	0	0
Johnson Mill Road Bridge #45	60,000	0	0	0	60,000	0	0	0	0	0	0	0	0
New Park Road Bridge #125	100,000	0	0	0	100,000	0	0	0	0	0	0	0	0
Robinson Mill Road Bridge #154	300,000	0	0	0	60,000	0	0	0	0	0	240,000	0	0
Snake Lane Bridge #31	900,000	0	0	0	900,000	0	0	0	0	0	0	0	0
Stafford Road Bridge #24	125,000	0	0	0	25,000	0	0	0	0	0	100,000	0	0
<b>SUB-TOTAL BRIDGES</b>	<b>2,516,158</b>	<b>(93,842)</b>	<b>600,000</b>	<b>0</b>	<b>1,260,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>	<b>0</b>	<b>0</b>

**PROJECT: Abingdon Road Bridge #169 over CSX****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: F****LOCATION: Abingdon****H104501****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace existing bridge over CSX. This project is eligible for Federal Funds.

The bridge's deck is in poor condition and the beams are deteriorating and need to be replaced.

The project will be innovative in that ABC/PBES (Accelerated Bridge Construction / Pre-fabricated Bridge Element Systems) will be utilized. This project is eligible for Federal funding.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

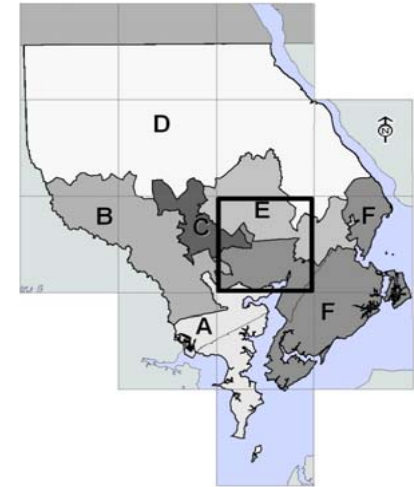
FY10 - Design

FY14 - Design, SHA Review, R/W

FY16 - Design

FY17 - R/W

FY19 - Utilities & Construction

**PROJECT STATUS:**

Design approximately 30% complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	620,000	200,000	820,000	0					820,000
Land Acquisition	310,000		310,000						310,000
Construction	200,000		200,000	3,025,000					3,225,000
Inspection Fees			0	200,000					200,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,130,000</b>	<b>200,000</b>	<b>1,330,000</b>	<b>3,225,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,555,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	150,762	40,000	190,762						190,762
R3140 Federal TEA-21	710,000	160,000	870,000	2,500,000					3,370,000
R8770 Reappropriated	69,238		69,238						69,238
R7000 Future Bonds			0	725,000					725,000
R7100 Prior Bonds	200,000		200,000						200,000
			0						0
<b>Total Funds</b>	<b>1,130,000</b>	<b>200,000</b>	<b>1,330,000</b>	<b>3,225,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,555,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$9,193

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	50,657
Encumbered	39,103
<b>Total</b>	<b>\$89,760</b>

**PROJECT: Bridge & Road Scour Repairs****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H064501****PROJECT DESCRIPTION / JUSTIFICATION:**

Most of the bridges in the County cross over streams and there are many roads that were built adjacent to streams as well as crossing over streams. All of these are vulnerable to the cumulative damage from small storms and the severe damage from major storms. The damage includes the undermining of bridge abutments and piers and the removal of road bed material from the stream/road banks. Severe damage can lead to bridge failure or road closure. These funds will be used to design and install scour countermeasures to rebuild or repair damaged areas or to protect areas that are vulnerable to future stream scour.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future needs of the County.

**PROJECT SCHEDULE:**

Ongoing Program - FY16 Madonna Road Embankment Repair Phase 1 (Rocks State Park)

**PROJECT STATUS:**

Various projects are continuously being designed & constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	105,000	10,000	115,000	20,000	20,000	20,000	20,000	20,000	215,000
Land Acquisition	5,000		5,000						5,000
Construction	1,085,000	80,000	1,165,000	120,000	120,000	120,000	120,000	120,000	1,765,000
Inspection Fees	105,000	10,000	115,000	10,000	10,000	10,000	10,000	10,000	165,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,300,000</b>	<b>100,000</b>	<b>1,400,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>2,150,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,300,000	100,000	1,400,000	150,000	150,000	150,000	150,000	150,000	2,150,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,300,000</b>	<b>100,000</b>	<b>1,400,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>2,150,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	903,071
Encumbered	2,203
<b>Total</b>	<b>\$905,274</b>

**PROJECT: Bridge Inspection Program****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****HIGHWAYS - BRIDGES****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This program provides funding for the inspection of bridges in Harford County. The bridges under 20' are inspected every two years (even fiscal years) using County funding. The bridges over 20' are inspected every two years (odd fiscal years) using Federal funding. Federal law mandates the inspection of all bridges over 20' clear span on a two year cycle. The bridge inspection data is analyzed to develop priorities for bridge repairs and replacements. As of September 2009, the County's DPW maintains 66 under 20' long and 157 structures longer than 20'.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY18 - Bridges under 20'

FY19 - Bridges over 20'

**PROJECT STATUS:**

Design is continuous and based on the year as to whether we are inspecting over 20' span or under 20' span.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		200,000	200,000	800,000	200,000	850,000	200,000	900,000	3,150,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equip. / Furn.			0						0
<b>Total Cost</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>800,000</b>	<b>200,000</b>	<b>850,000</b>	<b>200,000</b>	<b>900,000</b>	<b>3,150,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		100,000	100,000		100,000		100,000		300,000
R3140 Federal Aid		100,000	100,000	800,000	100,000	850,000	100,000	900,000	2,850,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>800,000</b>	<b>200,000</b>	<b>850,000</b>	<b>200,000</b>	<b>900,000</b>	<b>3,150,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Bridge Painting**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**H144501**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funding to paint bridges in Harford County. This preventative maintenance project will help to conserve future County resources by extending the life of the existing bridges and forestalling expensive replacement costs. This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

Various projects are continuously being designed & constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	5,000	5,000	10,000	5,000	5,000	5,000	5,000	5,000	35,000
Land Acquisition			0						0
Construction	95,000	175,000	270,000	175,000	175,000	175,000	175,000	175,000	1,145,000
Inspection Fees		20,000	20,000	20,000	20,000	20,000	20,000	20,000	120,000
Equipment/Furnishing			0						0
Total Cost	100,000	200,000	300,000	200,000	200,000	200,000	200,000	200,000	1,300,000

**FUNDING SCHEDULE**

R8750 Paygo	100,000	200,000	300,000	200,000	200,000	200,000	200,000	200,000	1,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	100,000	200,000	300,000	200,000	200,000	200,000	200,000	200,000	1,300,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	98,330
Encumbered	0
Total	<u>\$98,330</u>

**PROJECT: Carrs Mill Road Bridge #216****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: B****LOCATION: Fallston****H084501****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the triple cell concrete pipe bridge that carries Carrs Mill Road over Bear Cabin Branch. The concrete pipes and the slate headwalls are severely deteriorated and need to be replaced. The project will improve the road alignment at this structure and the hydraulic capacity of the structure. This project is eligible for Federal funding.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY10/11 - Design

FY12/13- R/W &amp; Permits

FY14/15 - Utilities &amp; Construction

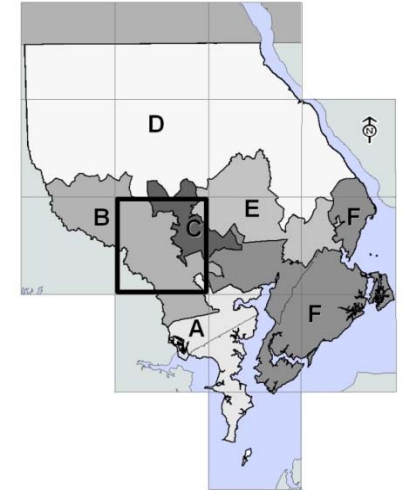
FY16 - Inspections

FY17 - Construction

FY18 - Construction

**PROJECT STATUS:**

Design 100% complete. Finalizing R/W negotiations.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	360,000		360,000						360,000
Land Acquisition			0						0
Construction	1,935,000	180,000	2,115,000						2,115,000
Inspection Fees	100,000		100,000						100,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,395,000</b>	<b>180,000</b>	<b>2,575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,575,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	512,000	30,000	542,000						542,000
R3140 Federal Aid	1,773,000	150,000	1,923,000						1,923,000
R7100 Prior Bonds	100,000		100,000						100,000
R8089 Reappropriated Paygo	10,000		10,000						10,000
			0						0
			0						0
<b>Total Funds</b>	<b>2,395,000</b>	<b>180,000</b>	<b>2,575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,575,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$9,976

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	499,975
Encumbered	168,668
<b>Total</b>	<b>\$668,643</b>

**PROJECT: Chestnut Hill Bridge #40****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Hickory****H114501****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will replace the existing Chestnut Hill Road Bridge. The current structure is a single lane bridge with deteriorating superstructure and an inadequate waterway opening. This project is eligible for Federal funding.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

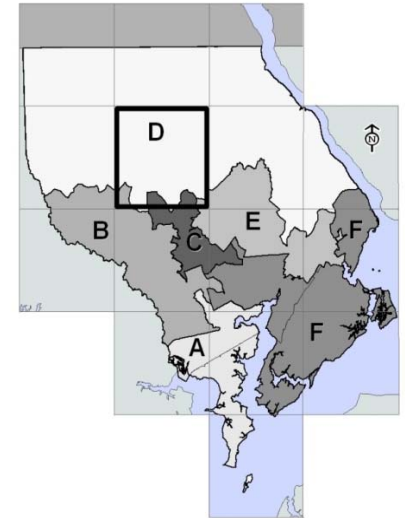
FY13/15 - Design

FY17 - R/W &amp; Permits; Utility Relocations

FY19 - Construction

**PROJECT STATUS:**

Design approximately 50% complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	340,000		340,000						340,000
Land Acquisition	30,000	30,000	60,000						60,000
Construction	125,000		125,000	100,000		925,000			1,150,000
Inspection Fees			0			80,000			80,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>495,000</b>	<b>30,000</b>	<b>525,000</b>	<b>100,000</b>	<b>0</b>	<b>1,005,000</b>	<b>0</b>	<b>0</b>	<b>1,630,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	94,000	30,000	124,000	100,000		325,000			549,000
R3140 Federal Aid	321,000		321,000			680,000			1,001,000
R7100 Prior Bonds	80,000		80,000						80,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>495,000</b>	<b>30,000</b>	<b>525,000</b>	<b>100,000</b>	<b>0</b>	<b>1,005,000</b>	<b>0</b>	<b>0</b>	<b>1,630,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	232,300
Encumbered	35,485
<b>Total</b>	<b>\$267,785</b>

**PROJECT: Culvert Rehabilitation****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H054506****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for the replacement/rehabilitation/repair of existing culverts, headwalls, wingwalls, etc. throughout the County.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Various projects are continuously being designed and constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	520,000	15,000	535,000	35,000	35,000	35,000	35,000	35,000	710,000
Land Acquisition	30,000		30,000	5,000	5,000	5,000	5,000	5,000	55,000
Construction	3,380,000	75,000	3,455,000	125,000	125,000	125,000	125,000	125,000	4,080,000
Inspection Fees	345,000	10,000	355,000	35,000	35,000	35,000	35,000	35,000	530,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,275,000</b>	<b>100,000</b>	<b>4,375,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>5,375,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	4,275,000	100,000	4,375,000	200,000	200,000	200,000	200,000	200,000	5,375,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,275,000</b>	<b>100,000</b>	<b>4,375,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>5,375,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	4,049,383
Encumbered	22,013
<b>Total</b>	<b>\$4,071,396</b>

**PROJECT: Glenville Road Bridge #30****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Churchville****H164501****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the bridge that carries Glenville Road over Mill Brook. The existing bridge is a single lane, steel beam, concrete deck structure. The existing concrete deck, exterior beams, and wingwalls are severely deteriorated and there is evidence of scour under the western abutment.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

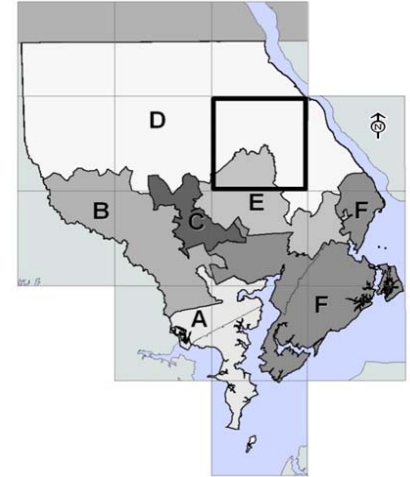
**PROJECT SCHEDULE:**

FY17 - Design

FY18 - Design

FY19 - R/W

FY20 - Utility Relocation &amp; Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	370,000	40,000	410,000						410,000
Land Acquisition			0	25,000					25,000
Construction			0		970,000				970,000
Inspection Fees			0		75,000				75,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>370,000</b>	<b>40,000</b>	<b>410,000</b>	<b>25,000</b>	<b>1,045,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,480,000</b>

**FUNDING SCHEDULE**

R3140 Federal TEA-21	300,000		300,000		836,000				1,136,000
R7100 Prior Bonds	70,000		70,000						70,000
R7000 Future Bonds		40,000	40,000	25,000	209,000				274,000
			0						0
			0						0
<b>Total Funds</b>	<b>370,000</b>	<b>40,000</b>	<b>410,000</b>	<b>25,000</b>	<b>1,045,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,480,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$5,000

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	146
Encumbered	0
<b>Total</b>	<b>\$146</b>

**PROJECT: Green Road Bridges #119 and #122****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Norrisville****H134503****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the bridges that carry Green Road over a tributary of Deer Creek. The beams, deck, and abutments are deteriorating and need to be replaced on both bridges. Both bridges are structurally deficient and are posted. The road alignment on the approaches to these structures will also be improved. Due to the very low volumes on this dirt road, a pre-fabricated bridge is being investigated for the replacement structure. Will be designed in single design contract. Green Road Bridge #119 & #122 are now merged into one Capital Project - Green Road Bridges #119 & #122.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY12 - Design

FY14 - R/W &amp; Permits

FY17 - Construction

**PROJECT STATUS:**

Design Complete - R/W Acquired

Prior Paygo funding of \$46,796 is from Harford Creamery Road Bridge project; \$2,733 is from Prospect Road Bridge Project; Prior bond funding in the amount of \$44,559 is from the Macton Road Bridge capital project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	175,000		175,000						175,000
Land Acquisition			0						0
Construction	415,000	75,000	490,000						490,000
Inspection Fees	54,088		54,088						54,088
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>644,088</b>	<b>75,000</b>	<b>719,088</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>719,088</b>

**FUNDING SCHEDULE**

R8750 Paygo	190,000		190,000						190,000
R7000 Future Bonds		75,000	75,000						75,000
R7100 Prior Bonds	404,559		404,559						404,559
R8089 Reappropriated Paygo	49,529		49,529						49,529
			0						0
			0						0
<b>Total Funds</b>	<b>644,088</b>	<b>75,000</b>	<b>719,088</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>719,088</b>

**OPERATING BUDGET IMPACT:**

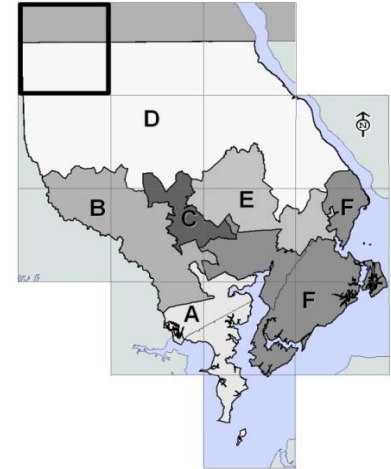
Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	115,036
Encumbered	1,779
<b>Total</b>	<b>\$116,815</b>



**PROJECT: Harford Creamery Road Bridge #104****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Blackhorse****H044501****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the Harford Creamery Road Bridge #104 over a tributary of Little Deer Creek. The upstream northwest stone wingwall is undermined and failing due to the stream scouring the embankment behind it. The exterior beams and the deck above them are in poor condition. The bridge is currently posted at 10 tons.

This project is eligible for Federal funding.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY04: Design

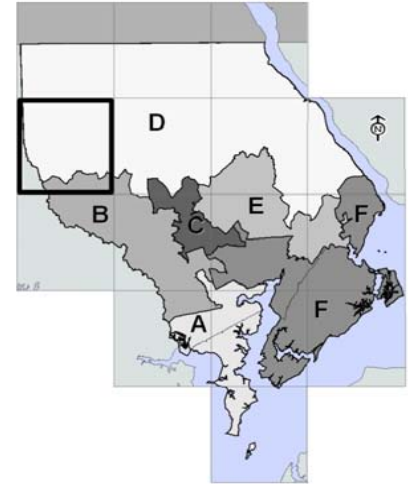
FY08: R/W & Construction

FY13-15: Construction

FY17: Construction complete.

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017. Remaining funds in the amount of \$31,507 will be reallocated to the Resurfacing Roadways capital project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	272,042		272,042						272,042
Land Acquisition	10,000		10,000						10,000
Construction	1,311,162	(34,882)	1,276,280						1,276,280
Inspection Fees	70,000		70,000						70,000
Equip. / Furn.			0						0
<b>Total Cost</b>	<b>1,663,204</b>	<b>(34,882)</b>	<b>1,628,322</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,628,322</b>

**FUNDING SCHEDULE**

R8750 Paygo	405,000		405,000						405,000
R3140 Federal Aid	1,159,000		1,159,000						1,159,000
R7100 Prior Bonds	146,000		146,000						146,000
R8750 Prior Paygo	(46,796)	(34,882)	(81,678)						(81,678)
			0						0
									0
<b>Total Funds</b>	<b>1,663,204</b>	<b>(34,882)</b>	<b>1,628,322</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,628,322</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$12,966

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,474,681
Encumbered	3,375
<b>Total</b>	<b>\$1,478,056</b>

**PROJECT: Hess Road Bridge #82****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: B****LOCATION: Monkton****H124501****PROJECT DESCRIPTION / JUSTIFICATION:**

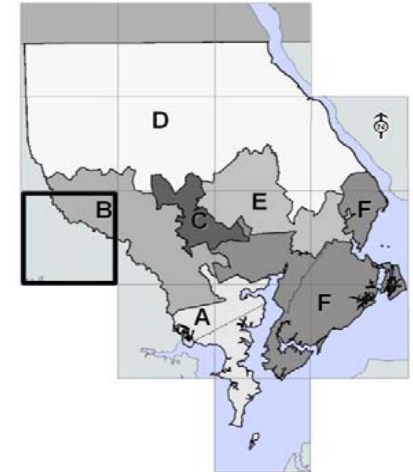
This project is to replace the bridge that carries Hess Road over Yellow Branch. The existing bridge has a deteriorated deck and superstructure. This project will completely replace the existing superstructure and reconstruct the existing abutments. Since the bridge is on the Baltimore County / Harford County line, there will be a 50/50 cost sharing of the project.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY12/13 - Design

FY14/15 - Construction

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017. Remaining funds in the amount of \$47,689 will be reallocated to the Resurfacing Roadways capital project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	580,000		580,000						580,000
Land Acquisition			0						0
Construction	670,000	(47,689)	622,311						622,311
Inspection Fees	50,000		50,000						50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,300,000</b>	<b>(47,689)</b>	<b>1,252,311</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,252,311</b>

**FUNDING SCHEDULE**

R8750 Paygo	300,000		300,000						300,000
R6320 Contributions & Donations	480,000		480,000						480,000
R3140 Federal TEA-21	340,000		340,000						340,000
R7100 Prior Bonds	150,000		150,000						150,000
R8089 Reappropriated Paygo	30,000		30,000						30,000
R8750 Prior Paygo		(47,689)	(47,689)						(47,689)
<b>Total Funds</b>	<b>1,300,000</b>	<b>(47,689)</b>	<b>1,252,311</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,252,311</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$13,132

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	804,716
Encumbered	0
<b>Total</b>	<b>\$804,716</b>

**PROJECT: Jericho Road Bridge****HIGHWAYS - BRIDGES****COUNCIL DISTRICT:****LOCATION:****H104503****PROJECT DESCRIPTION / JUSTIFICATION:**

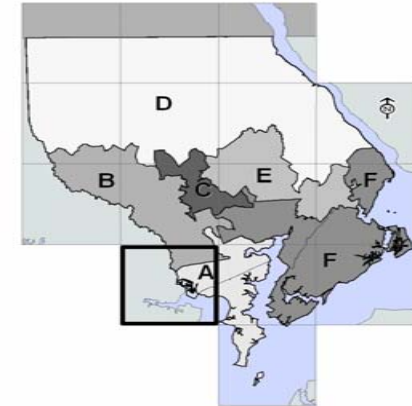
The purpose of this project is to improve & maintain the wooden, covered bridge that carries Jericho Road over the Little Gunpowder Falls. This project is being run by the Baltimore County DPW, but Harford County is required to pay 1/2 of the funding due to the bridge's location on the County / County line.

**PROJECT SCHEDULE:**

FY12 - Design

FY14 - Construction

FY16 - Construction

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017. Remaining funds in the amount of \$11,271 will be reallocated to the Resurfacing Roadways capital project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction	1,330,000	(11,271)	1,318,729						1,318,729
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,530,000</b>	<b>(11,271)</b>	<b>1,518,729</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,518,729</b>

**FUNDING SCHEDULE**

R8750 Paygo	50,000		50,000						50,000
R3140 Federal TEA-21	1,300,000		1,300,000						1,300,000
R7100 Prior Bonds	30,000		30,000						30,000
R8089 Reappropriated Paygo	150,000		150,000						150,000
R8750 Prior Paygo		(11,271)	(11,271)						(11,271)
			0						0
<b>Total Funds</b>	<b>1,530,000</b>	<b>(11,271)</b>	<b>1,518,729</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,518,729</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	218,729
Encumbered	0
<b>Total</b>	<b>\$218,729</b>

**PROJECT: Johnson Mill Road Bridge #45****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Hickory****H174502****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the Johnson Mill Road Bridge #45 over Stout Bottle Branch. This is a single lane structure with average daily traffic volumes of approximately 500 vehicles. The bridge railing is substandard and a part of the northwest wingwall is failing. The concrete deck and exterior beams are deteriorating resulting in a posting of 10 tons.

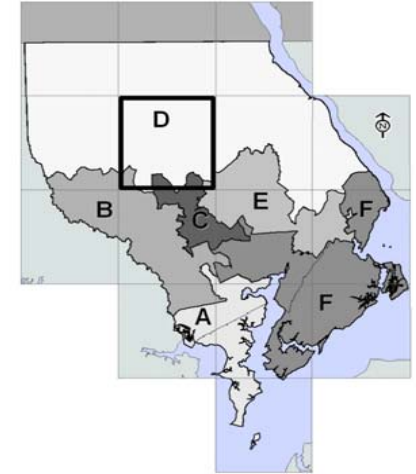
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY17 - Design

FY19 - R/W &amp; Permits

FY21 - Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	140,000	60,000	200,000						200,000
Land Acquisition			0	10,000					10,000
Construction			0			430,000			430,000
Inspection Fees			0			40,000			40,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>140,000</b>	<b>60,000</b>	<b>200,000</b>	<b>10,000</b>	<b>0</b>	<b>470,000</b>	<b>0</b>	<b>0</b>	<b>680,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	140,000		140,000						140,000
R7000 Future Bonds		60,000	60,000	10,000		470,000			540,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>140,000</b>	<b>60,000</b>	<b>200,000</b>	<b>10,000</b>	<b>0</b>	<b>470,000</b>	<b>0</b>	<b>0</b>	<b>680,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: New Park Road Bridge #125****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Norrisville****H144504****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the bridge that carries New Park Road over Island Branch. The existing bridge is narrow and poorly aligned with the approaches. Additionally, the wingwalls are deteriorated and the abutments show evidence of scour. The bridge is posted for 10 Tons. Current plans call for a complete replacement of the existing structure.

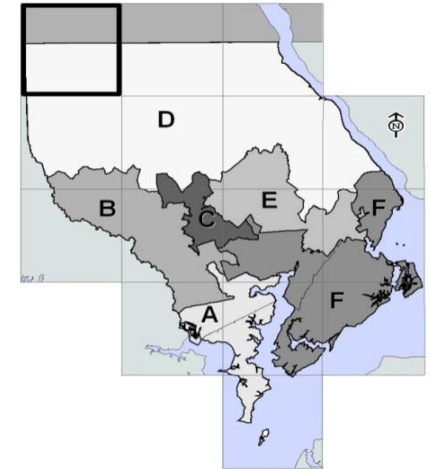
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY14/15 - Design  
 FY16 - R/W & Utilities  
 FY17 - Construction  
 FY18 - Construction

**PROJECT STATUS:**

Design Initiated

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	175,000		175,000						175,000
Land Acquisition	35,000		35,000						35,000
Construction	350,000	100,000	450,000						450,000
Inspection Fees	40,000		40,000						40,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>600,000</b>	<b>100,000</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	175,000		175,000						175,000
R7100 Prior Bonds	425,000		425,000						425,000
R7000 Future Bonds		100,000	100,000						100,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>600,000</b>	<b>100,000</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$2,220  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	122,425
Encumbered	53,241
<b>Total</b>	<b>\$175,666</b>

**PROJECT: Robinson Mill Road Bridge #154****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Dublin****H094502****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the entire bridge that carries Robinson Mill Road over Broad Creek. The beams and deck are severely deteriorated and need to be replaced. The two lane approach road on both ends of the single lane bridge are in horizontal curves that restrict sight distance across the bridge. This project is eligible for Federal funding.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY09 - Design

FY11 - R/W &amp; Permits

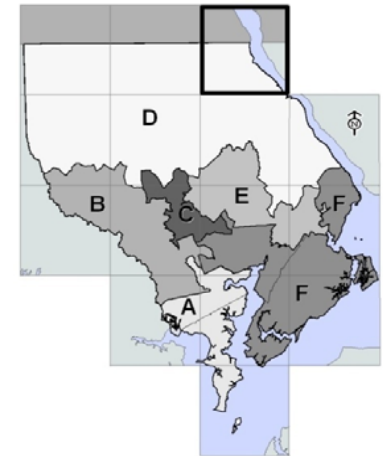
FY14/16 - Construction

FY18 - Construction

**PROJECT STATUS:**

Design 100% complete. R/W Acquisitions ongoing.

Advertise for Construction: Spring / Summer, 2017

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	125,000		125,000						125,000
Land Acquisition	125,000		125,000						125,000
Construction	1,135,000	300,000	1,435,000						1,435,000
Inspection Fees			0						0
Equip. / Furn.			0						0
<b>Total Cost</b>	<b>1,385,000</b>	<b>300,000</b>	<b>1,685,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,685,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	415,000		415,000						415,000
R3140 Federal Aid	865,000	240,000	1,105,000						1,105,000
R7100 Prior Bonds	75,000		75,000						75,000
R8089 Reappropriated Paygo	30,000		30,000						30,000
R7000 Future Bonds		60,000	60,000						60,000
			0						0
<b>Total Funds</b>	<b>1,385,000</b>	<b>300,000</b>	<b>1,685,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,685,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$6,825

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	274,688
Encumbered	2,612
<b>Total</b>	<b>\$277,300</b>

**PROJECT: Snake Lane Bridge #31****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: E****LOCATION: Churchville****H074502****PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this project is to replace Snake Lane Bridge #31 over James Run. The bridge abutments and wingwalls are in poor condition and the bridge deck is deteriorated along the exterior beams. The bridge is posted for 13 tons. The bridge width is only 18'4" and is poorly aligned with the stream, resulting in a severe scour under the bridge. The bridge is not eligible for Federal funds. Maintenance work performed by the County's Bureau of Highways has held up well and allowed a delay in the construction of this project.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY 09 &amp; 14 - Design and Engineering

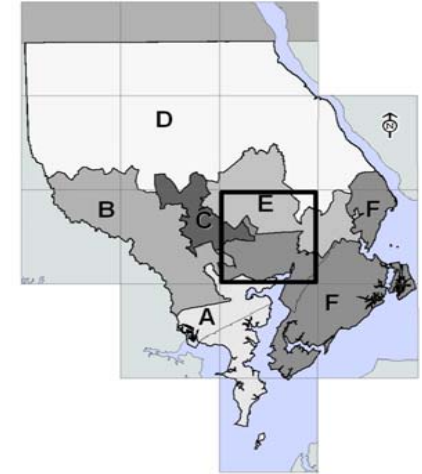
FY10 - R/W

FY18 - Construction

**PROJECT STATUS:**

Design complete. R/W acquired.

Construction on hold.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	175,000		175,000						175,000
Land Acquisition	20,000		20,000						20,000
Construction		825,000	825,000						825,000
Inspection Fees		75,000	75,000						75,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>195,000</b>	<b>900,000</b>	<b>1,095,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,095,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	195,000		195,000						195,000
R7000 Future Bonds		900,000	900,000						900,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>195,000</b>	<b>900,000</b>	<b>1,095,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,095,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	169,740
Encumbered	0
<b>Total</b>	<b>\$169,740</b>

**PROJECT: Stafford Road Bridge #24****COUNCIL DISTRICT: D****LOCATION: Darlington****HIGHWAYS - BRIDGES****H154502****Project Description / Justification:**

This bridge carries Stafford Road over Deer Creek. The bridge, built in 1950, shows numerous deficiencies and areas of deterioration. The purpose of this project is to rehabilitate the bridge to extend its useful life for another 40 years.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**Project Schedule:**

FY17 - Design

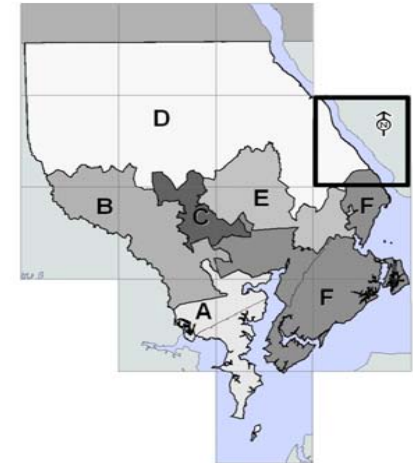
FY17 - Design

FY18 - Design

FY19 - Construction

**Project Status:**

Design Initiated.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	280,000	125,000	405,000						405,000
Land Acquisition			0						0
Construction			0	1,500,000					1,500,000
Inspection Fees			0	100,000					100,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>280,000</b>	<b>125,000</b>	<b>405,000</b>	<b>1,600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,005,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	40,000		40,000						40,000
R3140 Federal Aid	200,000	100,000	300,000	1,280,000					1,580,000
R7000 Future Bonds		25,000	25,000	320,000					345,000
R7100 Prior Bonds	40,000		40,000						40,000
			0						0
			0						0
<b>Total Funds</b>	<b>280,000</b>	<b>125,000</b>	<b>405,000</b>	<b>1,600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,005,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	51,503
Encumbered	50,341
<b>Total</b>	<b>\$101,844</b>

# **OUTYEAR PROJECTS**

## **FY 19 - FY 23**

**PROJECT: Boggs Road Bridge #66****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: B****LOCATION: Fallston****New****PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this project is to replace the bridge that carries Boggs Road over Long Branch. The existing bridge is a single lane, steel beam, concrete deck structure with bituminous concrete surfacing that is posted for 13 tons. The two lane approach road on both ends of the single lane bridge are in horizontal curves that restrict sight distance across the bridge. The existing area is developing rapidly and is not able to carry the expected heavier traffic volumes. It is not abutments. possible to place a two lane deck on the existing narrow abutments.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

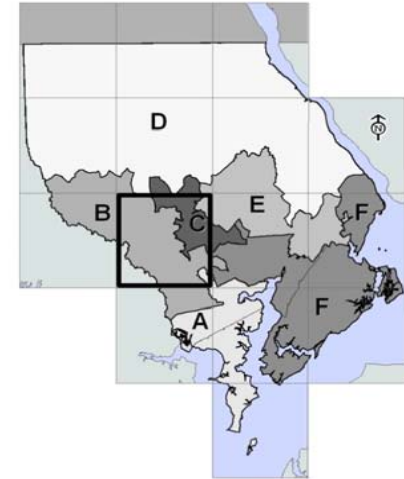
FY20 - Design

FY21 - R/W &amp; Permits

FY23 - Construction

**PROJECT STATUS:**

Not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0		200,000				200,000
Land Acquisition			0			20,000			20,000
Construction			0					1,200,000	1,200,000
Inspection Fees			0					100,000	100,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>20,000</b>	<b>0</b>	<b>1,300,000</b>	<b>1,520,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0		200,000	20,000		1,300,000	1,520,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>20,000</b>	<b>0</b>	<b>1,300,000</b>	<b>1,520,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Bridge Rehabilitation****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H134502****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will supply funds to maintain and repair the County's 200+ bridges. The design and construction of repairs to one or more bridge members is typical of this project. Design and construction is completed with in-house personnel, supplemented with outside forces. Extensive bridge rehabilitation and bridge replacement work is completed as individual Capital projects in other parts of the budget.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Various projects are continuously being designed and constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	110,000		110,000	40,000	40,000	40,000	40,000	40,000	310,000
Land Acquisition			0						0
Construction	775,000		775,000	225,000	225,000	225,000	225,000	225,000	1,900,000
Inspection Fees	65,000		65,000	35,000	35,000	35,000	35,000	35,000	240,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>950,000</b>	<b>0</b>	<b>950,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>2,450,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	950,000		950,000	300,000	300,000	300,000	300,000	300,000	2,450,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>950,000</b>	<b>0</b>	<b>950,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>2,450,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	308,927
Encumbered	8,853
<b>Total</b>	<b>\$317,780</b>

**PROJECT: Carea Road Bridge #126****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Norrisville****H174501****PROJECT DESCRIPTION / JUSTIFICATION:**

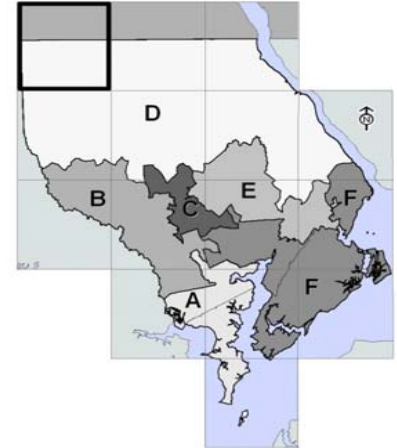
This project is to replace the large culvert that carries Carea Road over a tributary to Big Branch. The existing culvert is poorly aligned with the stream channel and is deteriorating with scour under the upstream wingwall and abutment.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY17 - Design

FY20 - Construction

**PROJECT STATUS:**

Prior Paygo funding of \$45,000 is from Edwards Lane Culvert project and \$12,267 from Prospect Road Bridge Project.

Reappropriated Paygo funds are from Prospect Road Bridge Project @ \$31,940

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	89,207		89,207						89,207
Land Acquisition			0						0
Construction			0		200,000				200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>89,207</b>	<b>0</b>	<b>89,207</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>289,207</b>

**FUNDING SCHEDULE**

R8750 Paygo	57,267		57,267		200,000				257,267
R8089 Reappropriated Paygo	31,940		31,940						31,940
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>89,207</b>	<b>0</b>	<b>89,207</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>289,207</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

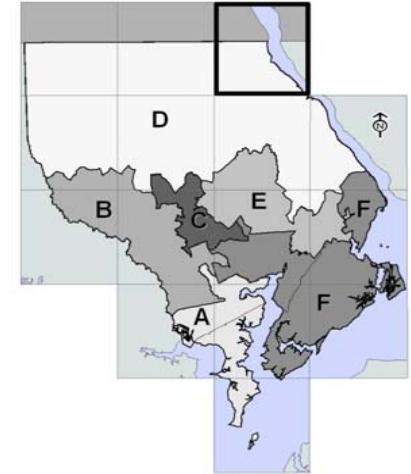
Encumbered

Total \$0

**PROJECT: Deep Run Road Bridge #152****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Whiteford****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the bridge that carries Deep Run Road over Deep Run. The existing bridge has a deteriorated deck and superstructure. Plans are currently for a complete reconstruction of the bridge and abutments.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY19 - Design

FY20 - R/W &amp; Permits

FY22 - Construction

**PROJECT STATUS:**

Not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0	200,000					200,000
Land Acquisition			0		10,000				10,000
Construction			0				500,000		500,000
Inspection Fees			0				50,000		50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>10,000</b>	<b>0</b>	<b>550,000</b>	<b>0</b>	<b>760,000</b>

**FUNDING SCHEDULE**

<b>R7000 Future Bonds</b>			0	200,000	10,000		550,000		760,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>10,000</b>	<b>0</b>	<b>550,000</b>	<b>0</b>	<b>760,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Edwards Lane Culvert****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: E****LOCATION: Churchville****H154501****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the existing culvert on Edwards Lane approximately 1/4 mile east of Schucks Road.  
 The existing culvert is deteriorating and undersized. The road in the immediate vicinity of the culvert is poorly aligned with inadequate drainage. This segment of road floods frequently causing a hazard to motorists and potential damage to the roadway itself.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY10 - Design

FY15 - R/W

FY17 - Construction on hold.

FY21 - Construction

**PROJECT STATUS:**

Design Complete - R/W Acquired

Construction on hold.

Prior Paygo funding in the amount of \$45,000 was moved off this capital project and to the Carea Road Bridge capital project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition	5,000		5,000						5,000
Construction			0			800,000			800,000
Inspection Fees			0			100,000			100,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,000</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>905,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	50,000		50,000			900,000			950,000
R8750 Prior Paygo	(45,000)		(45,000)						(45,000)
			0						
			0						
			0						
			0						
<b>Total Funds</b>	<b>5,000</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>905,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

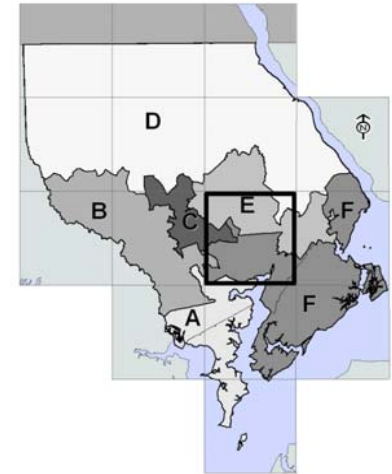
Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Fawn Grove Road Bridge #132****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Pylesville****H144502****PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this project is to replace the bridge that carries Fawn Grove Road over a tributary of Deer Creek. The existing bridge is a single lane bridge on a rural collector roadway. It is narrow and very poorly aligned with the road, with a severe horizontal curve on the north side of the bridge. The bridge is also poorly aligned with the stream, requiring prior scour repairs to keep the bridge in service. The proposed bridge will widen the existing bridge and better align it with the approach roadways and stream.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

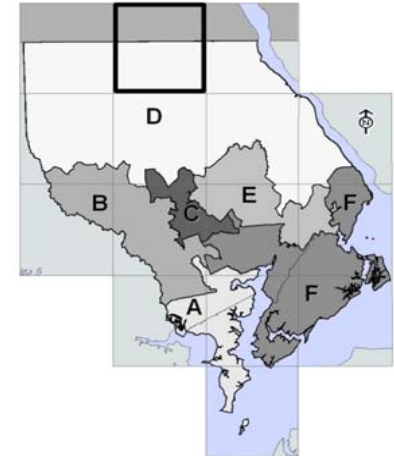
FY20 - Design

FY21 - R/W &amp; Permits

FY22 - Construction

**PROJECT STATUS:**

Not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	10,000		10,000		200,000				210,000
Land Acquisition						50,000			50,000
Construction							1,000,000		1,000,000
Inspection Fees							75,000		75,000
Equipment/Furnishing									0
<b>Total Cost</b>	<b>10,000</b>	<b>0</b>	<b>10,000</b>	<b>0</b>	<b>200,000</b>	<b>50,000</b>	<b>1,075,000</b>	<b>0</b>	<b>1,335,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	10,000		10,000						10,000
R7000 Future Bonds			0		200,000	50,000	1,075,000		1,325,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>10,000</b>	<b>0</b>	<b>10,000</b>	<b>0</b>	<b>200,000</b>	<b>50,000</b>	<b>1,075,000</b>	<b>0</b>	<b>1,335,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	5,467
Encumbered	
<b>Total</b>	<b>\$5,467</b>

**PROJECT: Glen Cove Road Bridge #156****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Dublin****H094501****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the bridge that carries Glen Cove Road over Peddler Run. The existing bridge is a single lane, steel beam, concrete deck structure that is posted for 23 tons. The existing concrete deck, exterior beams, and wingwalls are severely deteriorated. Recent and past storms have overtopped this bridge on a regular basis. It is more cost effective to replace this bridge then it would be to rehabilitate it.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY11 - R/W &amp; Permits

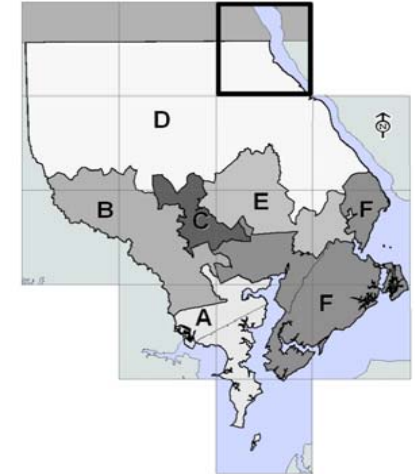
FY13 - R/W

FY14 - R/W, Utility Relocation &amp; Construction

FY20 - Construction

**PROJECT STATUS:**

Design is nearly complete and r/w acquisition has started.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0		20,000				20,000
Construction			0		730,000				730,000
Inspection Fees			0		50,000				50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>150,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>950,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	150,000		150,000						150,000
R7000 Future Bonds			0		800,000				800,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>150,000</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>950,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

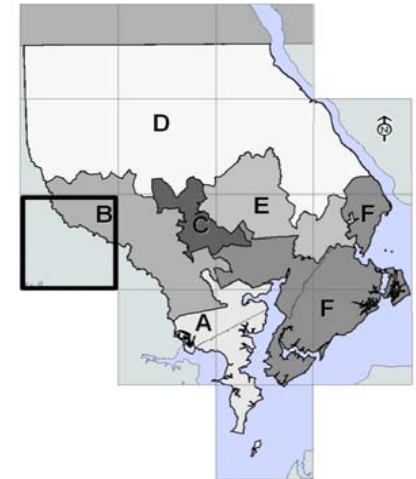
**Financial Activity as of 1/5/17:**

Expended	149,999
Encumbered	0
<b>Total</b>	<b>\$149,999</b>

**PROJECT: Moores Road Bridge #78****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: B****LOCATION: Upper Crossroads****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the bridge that carries Moores Road over a tributary to Gunpowder Falls. The existing bridge is situated in a sharp curve and is very narrow. The wingwalls, deck and beams are also deteriorating. Current proposals call for replacing the entire structure and realigning the approach roadways for improved safety.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY20 - Design  
 FY21- R/W & Permits  
 FY23 - Construction

**PROJECT STATUS:**

Not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0		200,000				200,000
Land Acquisition			0			25,000			25,000
Construction			0					800,000	800,000
Inspection Fees			0					70,000	70,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>25,000</b>	<b>0</b>	<b>870,000</b>	<b>1,095,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0		200,000	25,000		870,000	1,095,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>25,000</b>	<b>0</b>	<b>870,000</b>	<b>1,095,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

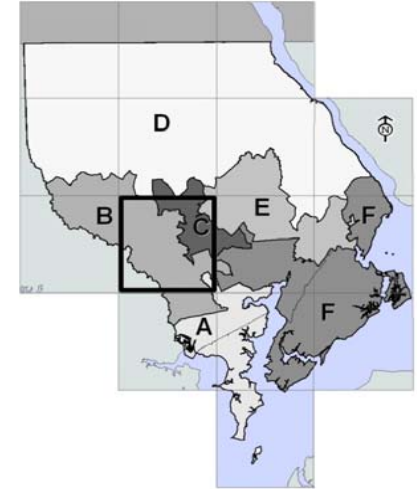
**Financial Activity as of 1/5/17**

Expended  
 Encumbered  
 Total \$0

**PROJECT: Phillips Mill Road Bridge #70****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: B****LOCATION: Forest Hill****H114502****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the bridge that carries Phillips Mill Road over a tributary to East Branch. The existing structure shows scour around the abutments, a deteriorated deck, and an undersized waterway opening.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY14/16 - Design  
 FY17 - R/W & Permits  
 FY19 - Construction

**PROJECT STATUS:**

Design approximately 25% complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	490,000		490,000						490,000
Land Acquisition	60,000		60,000						60,000
Construction			0	1,300,000					1,300,000
Inspection Fees			0	75,000					75,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>550,000</b>	<b>0</b>	<b>550,000</b>	<b>1,375,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,925,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	130,000		130,000						130,000
R3140 Federal Aid	320,000		320,000						320,000
R7100 Prior Bonds	100,000		100,000						100,000
R7000 Future Bonds			0	1,375,000					1,375,000
			0						0
			0						0
<b>Total Funds</b>	<b>550,000</b>	<b>0</b>	<b>550,000</b>	<b>1,375,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,925,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$4,440  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	356,407
Encumbered	12,610
<b>Total</b>	<b>\$369,017</b>

**PROJECT: Scarboro Road Bridge #140****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: D****LOCATION: Scarboro****New****PROJECT DESCRIPTION / JUSTIFICATION:**

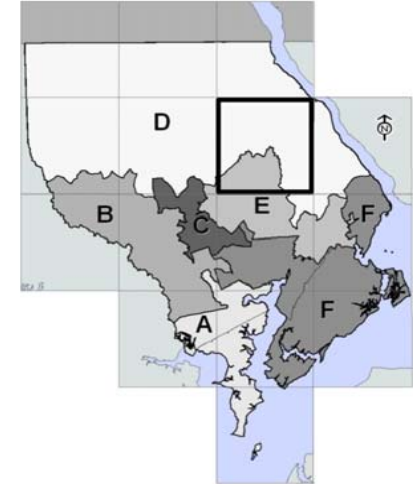
This project is to replace the bridge that carries Scarboro Road over a tributary to Deer Creek. The existing bridge is undersized and has significant deterioration in the deck and beams. The proposed bridge will completely replace the existing structure. This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY 22 - Design

FY 23 - Right of Ways and Permits

Outyears - Construction

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0				200,000		200,000
Land Acquisition			0					10,000	10,000
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>10,000</b>	<b>210,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0				200,000	10,000	210,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>10,000</b>	<b>210,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Structural Evaluation****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****H974515****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides readily available consultant services to design repairs for bridges and miscellaneous structures. The consultant will prepare plans for construction by contractors or in-house forces. The cost of individual projects will be negotiated based on set contract costs and personnel.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	420,000		420,000	50,000	50,000	50,000	50,000	50,000	670,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>420,000</b>	<b>0</b>	<b>420,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>670,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	420,000		420,000	50,000	50,000	50,000	50,000	50,000	670,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>420,000</b>	<b>0</b>	<b>420,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>670,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	311,488
Encumbered	45,866
<b>Total</b>	<b>\$357,354</b>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Bridge Inspection Program****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****HIGHWAYS - BRIDGES****H054501****PROJECT DESCRIPTION / JUSTIFICATION:**

This program provides funding for the inspection of bridges in Harford County. The bridges under 20' are inspected every two years (even fiscal years) using County funding. The bridges over 20' are inspected every two years (odd fiscal years) using Federal funding. Federal law mandates the inspection of all bridges over 20' clear span on a two year cycle. The bridge inspection data is analyzed to develop priorities for bridge repairs and replacements. As of September 2009, the County's DPW maintains 66 under 20' long and 157 structures longer than 20'.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY16 - Bridges under 20'

FY17 - Bridges over 20'

**PROJECT STATUS:**

Design is continuous and based on the year as to whether we are inspecting over 20' span or under 20' span. Starting new project sheet for Bridge Inspection Program to update Capital project number to more current.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	3,640,000		3,640,000						3,640,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equip. / Furn.			0						0
<b>Total Cost</b>	<b>3,640,000</b>	<b>0</b>	<b>3,640,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,640,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	380,000		380,000						380,000
R3140 Federal Aid	3,210,000		3,210,000						3,210,000
R8089 Reappropriated Paygo	50,000		50,000						50,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,640,000</b>	<b>0</b>	<b>3,640,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,640,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,657,324
Encumbered	105,661
<b>Total</b>	<b>\$2,762,985</b>

**PROJECT: Bridge Rehabilitation****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H054502****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will supply funds to perform maintenance and repairs on the County's 200+ bridges. The maintenance/repairs performed under this program are mainly smaller scale repairs, designed mostly by the County's Engineering staff and constructed by either the County's in-house bridge crew or by a contractor. If, in the design process, the project becomes fairly extensive, the bridge will be broken out into a separate capital project for a future budget.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	570,000		570,000						570,000
Land Acquisition			0						0
Construction	2,075,000		2,075,000						2,075,000
Inspection Fees	205,000		205,000						205,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,850,000</b>	<b>0</b>	<b>2,850,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,850,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,650,000		2,650,000						2,650,000
R8089 Reappropriated Paygo	200,000		200,000						200,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,850,000</b>	<b>0</b>	<b>2,850,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,850,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,820,356
Encumbered	29,643
<b>Total</b>	<b>\$2,849,999</b>

**PROJECT: Watervale Road Bridge #63****HIGHWAYS - BRIDGES****COUNCIL DISTRICT: B****LOCATION: Fallston****H044506****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the bridge that carries Watervale Road over Winters Run. The existing single lane configuration and 3 ton rating are inadequate for the current traffic volumes and classifications. Also, the bridge is quickly deteriorating and requires substantial repairs to both the super and sub-structures

This project is eligible for Federal Funds.

**PROJECT SCHEDULE:**

FY11/12: Design - R/W

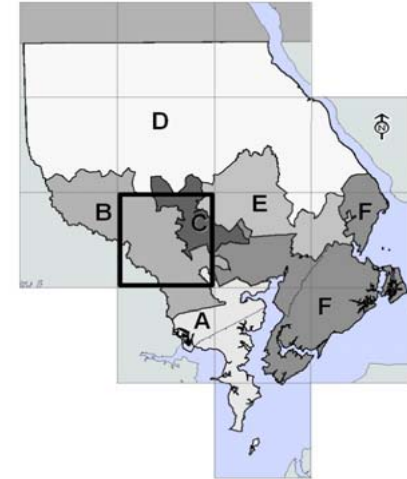
FY13/14 - Construction

FY16 - Construction &amp; Inspections

**PROJECT STATUS:**

Design complete; R/W Acquired

Under construction: Fall, 2015

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	452,000		452,000						452,000
Land Acquisition	100,000		100,000						100,000
Construction	3,308,000		3,308,000						3,308,000
Inspection Fees	295,000		295,000						295,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,155,000</b>	<b>0</b>	<b>4,155,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,155,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,183,055		1,183,055						1,183,055
R3140 Federal MAP	2,773,000		2,773,000						2,773,000
R8770 Reappropriated	48,945		48,945						48,945
R7100 Prior Bonds	150,000		150,000						150,000
			0						0
			0						0
<b>Total Funds</b>	<b>4,155,000</b>	<b>0</b>	<b>4,155,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,155,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$13,321

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	3,760,810
Encumbered	400,859
<b>Total</b>	<b>\$4,161,669</b>

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>ROADWAYS</b>								
<b><u>FY 18 Funded Projects:</u></b>								
Chapel Road Improvements	225,000	0	225,000	0	0	0	0	0
Drainage Improvements	2,450,000	1,425,000	150,000	175,000	175,000	175,000	175,000	175,000
Guardrails	1,150,000	425,000	100,000	125,000	125,000	125,000	125,000	125,000
Intersection Improvements	4,711,728	2,431,728	450,000	630,000	300,000	300,000	300,000	300,000
Moore's Mill Road	10,363,088	9,713,088	650,000	0	0	0	0	0
New Roads and Stormdrains	3,625,000	2,475,000	150,000	200,000	200,000	200,000	200,000	200,000
Schucks Road Improvements	1,712,192	437,192	0	1,275,000	0	0	0	0
Stormdrain Rehabilitation	2,645,000	1,045,000	200,000	250,000	250,000	300,000	300,000	300,000
Tollgate Road (West Ring Factory Road to Plumtree Road)	7,423,439	5,473,439	1,950,000	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	1,300,000	450,000	100,000	150,000	150,000	150,000	150,000	150,000
<b><u>Outyear Projects:</u></b>								
Bata Blvd. Access Road	480,000	0	0	0	30,000	450,000	0	0
MD152/Oakmont Road/Port Lane	950,732	400,732	0	0	0	0	550,000	0
Traffic Signals	309,601	109,601	0	50,000	50,000	50,000	50,000	0
Trimble Road (Joppa Road to Garnett Drive)	650,000	0	0	0	100,000	50,000	0	500,000
<b><u>Open Projects:</u></b>								
Cape Knoll Road Acceptance	150,000	150,000	0	0	0	0	0	0
Landis Circle - Foxborough Farms	350,000	350,000	0	0	0	0	0	0
Schucks Road Culvert Replacement	80,000	80,000	0	0	0	0	0	0
Village of Scot's Fancy Starmount Lane	750,000	750,000	0	0	0	0	0	0
<b>Roadways Total by Project</b>	<b>39,325,780</b>	<b>25,715,780</b>	<b>3,975,000</b>	<b>2,855,000</b>	<b>1,380,000</b>	<b>1,800,000</b>	<b>1,850,000</b>	<b>1,750,000</b>
<b>Paygo</b>	<b>19,266,033</b>	<b>10,611,033</b>	<b>1,275,000</b>	<b>1,480,000</b>	<b>1,250,000</b>	<b>1,250,000</b>	<b>1,750,000</b>	<b>1,650,000</b>
<b>Future Bonds</b>	<b>4,235,000</b>	<b>0</b>	<b>2,480,000</b>	<b>1,275,000</b>	<b>30,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>
<b>Prior Bonds</b>	<b>8,531,707</b>	<b>8,531,707</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Reappropriated</b>	<b>309,601</b>	<b>309,601</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>State</b>	<b>1,783,439</b>	<b>1,663,439</b>	<b>120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Federal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Developer</b>	<b>3,050,000</b>	<b>2,450,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b>Other</b>	<b>2,150,000</b>	<b>2,150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Roadways Total by Fund</b>	<b>39,325,780</b>	<b>25,715,780</b>	<b>3,975,000</b>	<b>2,855,000</b>	<b>1,380,000</b>	<b>1,800,000</b>	<b>1,850,000</b>	<b>1,750,000</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

# HIGHWAYS FUND

## ROADWAYS

Chapel Road Improvements	225,000	0	225,000	0	0	0	0	0	0	0	0	0	0
Drainage Improvements	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Guardrails	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	450,000	0	450,000	0	0	0	0	0	0	0	0	0	0
Moore's Mill Road	650,000	0	0	0	530,000	0	0	0	120,000	0	0	0	0
New Roads and Stormdrains	150,000	0	50,000	0	0	0	0	0	0	0	0	100,000	0
Stormdrain Rehabilitation	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Tollgate Road (West Ring Factory Rd to Plumtree Rd)	1,950,000	0	0	0	1,950,000	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL ROADWAYS</b>	<b>3,975,000</b>	<b>0</b>	<b>1,275,000</b>	<b>0</b>	<b>2,480,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>

**PROJECT: Chapel Road Improvements****HIGHWAYS - ROADS****COUNCIL DISTRICT: F****LOCATION:****New****PROJECT DESCRIPTION / JUSTIFICATION:**

Chapel Road from the City of Havre de Grace limits to Bulle Rock Parkway is a Harford County owned and maintained roadway, despite its location, which is virtually encompassed within the City of Havre de Grace limits. Per an agreement with the City, Harford County will perform several upgrades to the road, including improving drainage and resurfacing in several locations, and Havre de Grace will then take over full maintenance and ownership of it.

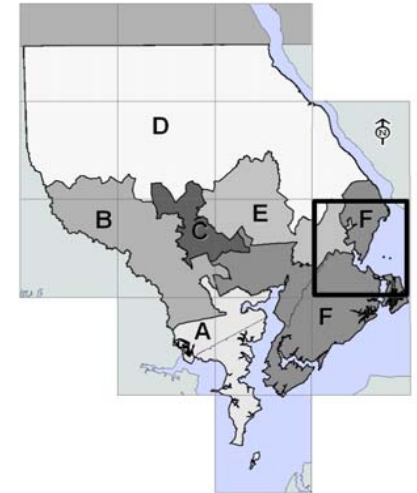
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY18 - Construction

**PROJECT STATUS:**

Not currently funded

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		225,000	225,000						225,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>225,000</b>	<b>225,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>225,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		225,000	225,000						225,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>225,000</b>	<b>225,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>225,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended  
 Encumbered  
 Total \$0

**PROJECT: Drainage Improvements**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**H064506**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the design and construction of various solutions to address drainage problems throughout the County. Additionally, funds are included to address sump pump discharges onto County roads. These discharges create icing problems in the winter and are a continuing maintenance concern.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

This is an ongoing program.

**PROJECT STATUS:**

Various projects are continuously being designed & constructed under this account.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	75,000	15,000	90,000	20,000	20,000	20,000	20,000	20,000	190,000
Land Acquisition	22,250		22,250						22,250
Construction	1,240,000	135,000	1,375,000	140,000	140,000	140,000	140,000	140,000	2,075,000
Inspection Fees	87,750		87,750	15,000	15,000	15,000	15,000	15,000	162,750
Equipment/Furnishing			0						0
Total Cost	1,425,000	150,000	1,575,000	175,000	175,000	175,000	175,000	175,000	2,450,000

**FUNDING SCHEDULE**

R8750 Paygo	1,425,000	150,000	1,575,000	175,000	175,000	175,000	175,000	175,000	2,450,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,425,000	150,000	1,575,000	175,000	175,000	175,000	175,000	175,000	2,450,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,175,669
Encumbered	177,979
Total	<u>\$1,353,648</u>

**PROJECT: Guardrails**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**H134508**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Safety improvements to existing County roads where steep embankments or steep ditches exist and where traffic barriers are required.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.



**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	35,000	10,000	45,000	10,000	10,000	10,000	10,000	10,000	95,000
Land Acquisition			0					110,000	110,000
Construction	370,000	85,000	455,000	110,000	110,000	110,000	110,000	5,000	900,000
Inspection Fees	20,000	5,000	25,000	5,000	5,000	5,000	5,000		45,000
Equipment/Furnishing			0						0
Total Cost	425,000	100,000	525,000	125,000	125,000	125,000	125,000	125,000	1,150,000

**FUNDING SCHEDULE**

R8750 Paygo	425,000	100,000	525,000	125,000	125,000	125,000	125,000	125,000	1,150,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	425,000	100,000	525,000	125,000	125,000	125,000	125,000	125,000	1,150,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	474,676
Encumbered	0
Total	<u>\$474,676</u>

**PROJECT: Intersection Improvements****HIGHWAYS - ROADS****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H054507****PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this project is to improve the traffic capacity and safety at selected intersections throughout the County. Reduced levels of service on most roads is a direct result of limited capacity at the intersections. Therefore, widening or redesign of the intersection under this project can result in increased capacity and safety with decreased delay. Additionally, intersections with reduced sight distance may be corrected under this project.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY18 - Granary Road and Water Tower Way

FY19 - Bel Air S. Pkwy &amp; Tollgate Roundabout

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	230,000	40,000	270,000	40,000	15,000	15,000	15,000	15,000	370,000
Land Acquisition	70,000	25,000	95,000						95,000
Construction	1,931,728	350,000	2,281,728	550,000	255,000	255,000	255,000	255,000	3,851,728
Inspection Fees	200,000	35,000	235,000	40,000	30,000	30,000	30,000	30,000	395,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,431,728</b>	<b>450,000</b>	<b>2,881,728</b>	<b>630,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>4,711,728</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,981,728	450,000	2,431,728	630,000	300,000	300,000	300,000	300,000	4,261,728
R8089 Reappropriated Paygo	200,000		200,000						200,000
R6330 Developer	250,000		250,000						250,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,431,728</b>	<b>450,000</b>	<b>2,881,728</b>	<b>630,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>4,711,728</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,227,166
Encumbered	1,100
<b>Total</b>	<b><u>\$2,228,266</u></b>

**PROJECT: Moores Mill Road****HIGHWAYS - ROADS****COUNCIL DISTRICT: MULTIPLE****LOCATION: Bel Air****H984519****PROJECT DESCRIPTION / JUSTIFICATION:**

This project consists of improving Moores Mill Road between MD 924 and Southampton Middle School to address the safety and traffic volume increases due to the continuous development in and around the Bel Air area. Approximately 10,000 LF of closed section road is proposed to be built. Moores Mill Road functions as a collector road between two State roads.

Phase 1 is from US 1 (Bus.) east to Southampton Road. Phase 2 is from US 1 (Bus.) west to MD 924 and needs to start construction prior to January 2017 or the project will need to be completely redesigned to meet the new SWM regulations (currently grandfathered).

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY 14 - Construction Phase 1, Utility Relocations Phase 2

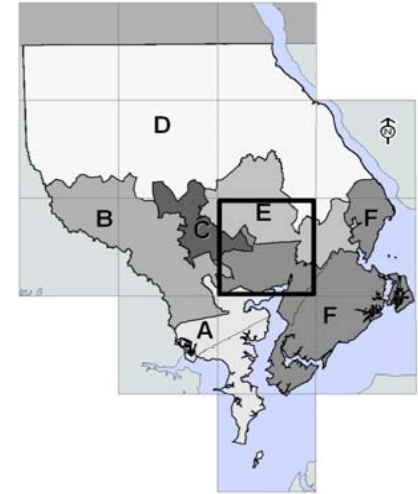
FY15 - Construction Phase 1

FY17 - Utility Relocations & Construction Phase 2

FY18 - Construction Phase 2

**PROJECT STATUS:**

Phase 2 - Construction Complete; Phase 3 - Design complete, R/W Complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	221,000		221,000						221,000
Land Acquisition	550,000		550,000						550,000
Construction	8,492,088	650,000	9,142,088						9,142,088
Inspection Fees	450,000		450,000						450,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>9,713,088</b>	<b>650,000</b>	<b>10,363,088</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,363,088</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,012,113		2,012,113						2,012,113
R3350 State Highways & Streets	600,000	120,000	720,000						720,000
R6999 Other	856,708		856,708						856,708
R6340 Corporate/Business	43,292		43,292						43,292
R7100 Prior Bonds	6,200,975		6,200,975						6,200,975
R7000 Future Bonds		530,000	530,000						530,000
<b>Total Funds</b>	<b>9,713,088</b>	<b>650,000</b>	<b>10,363,088</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,363,088</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$363,374

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	5,467,789
Encumbered	21,457
<b>Total</b>	<b>\$5,489,246</b>

**PROJECT: New Roads and Stormdrains****HIGHWAYS - ROADS****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H134510****PROJECT DESCRIPTION / JUSTIFICATION:**

As new projects are presented for approval by Public Works officials, those developers and the property owners will be required to provide funding for the engineering and construction costs to improve existing roadways, streets, storm drainage systems, and stormwater management facilities for those areas affected by the impact of new projects. On occasion, improvements to be made by developers may be augmented by improvements to be made by the County. County funded improvements would be in adjacent areas beyond the developer's responsibility, thus provided a more comprehensive improvement to the roadway.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY16 - Funds to be used on Tollgate/Plumtree Roundabout

**PROJECT STATUS:**

Various projects are continuously being designed & constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
	Appropriation			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	45,000	5,000	50,000	5,000	5,000	5,000	5,000	5,000	75,000
Land Acquisition	100,000		100,000						100,000
Construction	2,275,000	125,000	2,400,000	175,000	175,000	175,000	175,000	175,000	3,275,000
Inspection Fees	55,000	20,000	75,000	20,000	20,000	20,000	20,000	20,000	175,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,475,000</b>	<b>150,000</b>	<b>2,625,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>3,625,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	275,000	50,000	325,000	100,000	100,000	100,000	100,000	100,000	825,000
R6330 Developer	2,200,000	100,000	2,300,000	100,000	100,000	100,000	100,000	100,000	2,800,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,475,000</b>	<b>150,000</b>	<b>2,625,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>3,625,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	525,643
Encumbered	768,290
<b>Total</b>	<b>\$1,293,933</b>

**PROJECT: Schucks Road Improvements****HIGHWAYS - ROADS****COUNCIL DISTRICT: E****LOCATION: Bel Air****H064503****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the existing culvert on Schucks Road at Edwards Lane. The existing culvert is deteriorating and undersized. The road in the immediate vicinity of the culvert is poorly aligned with inadequate drainage. Design funds were taken from the Culvert Rehab account and, due to the size of this project, the construction phase has been placed in its own capital account. Existing funds in the Schucks Road Improvement Account (H064503 - \$200,000) and the Road Resurfacing Account (H114506 - \$50,000) will be utilized for the road reconstruction portion of this project.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY10 - Design

FY12 - Construction

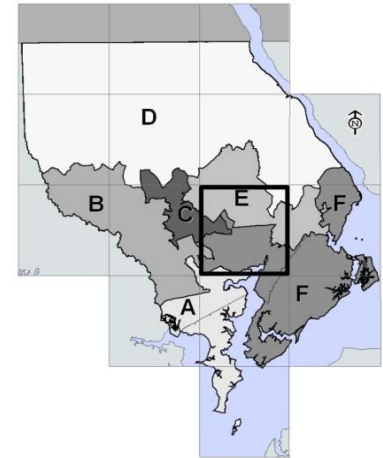
FY16 - Unable to acquire all necessary R/W. In the interim, reappropriated all available funds to the Resurfacing Account.

FY18 - Construction

**PROJECT STATUS:**

Design complete - 7 of 8 rights-of-way have been acquired.

Construction Advertisement (est.) - Fall 2017 (dependent on acquisition of last r/w)

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition	15,000		15,000						15,000
Construction	377,192		377,192	1,200,000					1,577,192
Inspection Fees	45,000		45,000	75,000					120,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>437,192</b>	<b>0</b>	<b>437,192</b>	<b>1,275,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,712,192</b>

**FUNDING SCHEDULE**

R8750 Paygo	437,192		437,192						437,192
R7000 Future Bonds			0	1,275,000					1,275,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>437,192</b>	<b>0</b>	<b>437,192</b>	<b>1,275,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,712,192</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	137,192
Encumbered	0
<b>Total</b>	<b>\$137,192</b>

**PROJECT: Stormdrain Rehabilitation****HIGHWAYS - ROADS****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H064513****PROJECT DESCRIPTION / JUSTIFICATION:**

Funds are to be utilized for replacement/rehabilitation/repair of existing stormdrain systems throughout the County. Additional funds are to be utilized for an inspection of the stormdrains. Due to the cost associated with inspecting all of the stormdrains in the County, the stormdrains most susceptible to deterioration will be inspected in the first phase of this analysis (i.e., corrugated metal pipes, greater than 48" in diameter and with a continuous base flow of water).

**PROJECT SCHEDULE:**

This program is ongoing.

**PROJECT STATUS:**

Various projects are continuously being design and constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	275,000	20,000	295,000	30,000	30,000	30,000	35,000	35,000	455,000
Land Acquisition			0						0
Construction	1,076,231	160,000	1,236,231	180,000	180,000	180,000	225,000	225,000	2,226,231
Inspection Fees	115,000	20,000	135,000	40,000	40,000	40,000	40,000	40,000	335,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,466,231</b>	<b>200,000</b>	<b>1,666,231</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>300,000</b>	<b>300,000</b>	<b>3,016,231</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,045,000	200,000	1,245,000	250,000	250,000	300,000	300,000	300,000	2,645,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,045,000</b>	<b>200,000</b>	<b>1,245,000</b>	<b>250,000</b>	<b>250,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>2,645,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,317,579
Encumbered	56,579
<b>Total</b>	<b>\$1,374,158</b>

**PROJECT: Tollgate Road (West Ring Factory Road to Plumtree Road)****HIGHWAYS - ROADS****COUNCIL DISTRICT: C****LOCATION: Bel Air****H034501****PROJECT DESCRIPTION / JUSTIFICATION:**

This section of Tollgate Road has been identified as, what will be, the only section not up to current County standards from Abingdon to Bel Air. Upon completion of the "missing" road segment to the south of Plumtree Road, Tollgate Road may become a higher volume commuter road to avoid delays along MD 24. In order to accommodate the large volumes of traffic, this section of roadway will need to be upgraded. The proposed improvements will also decrease the frequency and extent of the flooding at Plumtree Run and is proposed to include sufficient shoulder area to accommodate bicycle traffic.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY14 - R/W, Utility Relocation &amp; Construction

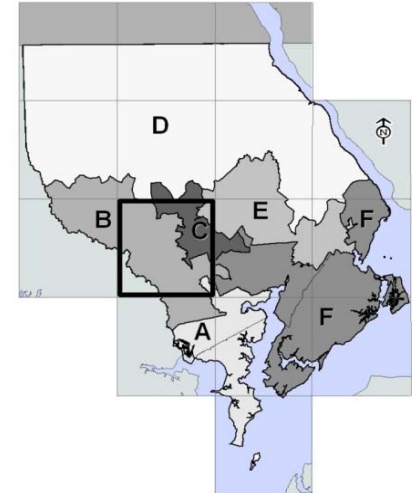
FY17 - Construction

FY18 - Construction

**PROJECT STATUS:**

Design Complete. R/W Acquired.

Construction - Fall, 2017

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	190,000	15,000	205,000						205,000
Land Acquisition	275,000		275,000						275,000
Construction	4,668,439	1,935,000	6,603,439						6,603,439
Inspection Fees	340,000		340,000						340,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,473,439</b>	<b>1,950,000</b>	<b>7,423,439</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,423,439</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,080,000		2,080,000						2,080,000
R7100 Prior Bonds	2,330,000		2,330,000						2,330,000
R3350 State Highways & Streets	1,063,439		1,063,439						1,063,439
R7000 Future Bonds		1,950,000	1,950,000						1,950,000
			0						0
			0						0
<b>Total Funds</b>	<b>5,473,439</b>	<b>1,950,000</b>	<b>7,423,439</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,423,439</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,683,263
Encumbered	259,878
<b>Total</b>	<b>\$1,943,141</b>

**PROJECT: Traffic Calming, Bicycle & Road Safety Improvements****HIGHWAYS - ROADS****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H104513****PROJECT DESCRIPTION / JUSTIFICATION:**

To reduce vehicular speeds in communities, this project will construct various "traffic calming" devices aimed at speed reduction, community beautification, and increased safety. The project will be directed at communities with fairly high traffic volumes, 85th percentile speeds greater than 10 MPH over the speed limit, small average lot sizes, and a high percentage of cut-through traffic.

With recent interest in Complete Streets and road safety in general for all users; funds are also being provided for bicycle and automobile related safety improvements.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Various projects are continuously being design & constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	45,000	10,000	55,000	15,000	15,000	15,000	15,000	15,000	130,000
Land Acquisition			0						0
Construction	360,000	80,000	440,000	120,000	120,000	120,000	120,000	120,000	1,040,000
Inspection Fees	45,000	10,000	55,000	15,000	15,000	15,000	15,000	15,000	130,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>450,000</b>	<b>100,000</b>	<b>550,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,300,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	450,000	100,000	550,000	150,000	150,000	150,000	150,000	150,000	1,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>450,000</b>	<b>100,000</b>	<b>550,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,300,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	411,140
Encumbered	0
<b>Total</b>	<b>\$411,140</b>

# **OUTYEAR PROJECTS**

## **FY 19 - FY 23**

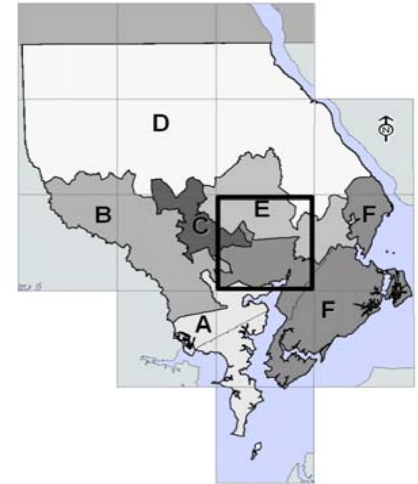
**PROJECT: Bata Blvd. Access Road****HIGHWAYS - ROADS****COUNCIL DISTRICT: F****LOCATION: Belcamp****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will construct an access road from MD 543 directly to Bata Blvd. The project has been planned since the redevelopment of the Bata land site. Right of way to construct the road has been reserved and the alignment is rough graded. This project will relieve existing and anticipated delays at the existing US 40/MD543 intersection by eliminating the left turns from MD 543 to westbound US 40. Increases in traffic from both Perryman and BRAC will necessitate the capacity improvements.

The project will be multi-modal in that bicycle lanes and pedestrian access will be considered where possible and appropriate.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

BRAC - The anticipated increase in traffic volumes from BRAC will create additional delays at the MD 543 / US 40 interchange. This project will divert some traffic to another location thereby reducing delays and adding capacity to the intersection.

**PROJECT SCHEDULE:**

FY20 - Design

FY21 - Construction

**PROJECT STATUS:**

Not currently funded

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0		30,000				30,000
Land Acquisition			0			10,000			10,000
Construction			0			400,000			400,000
Inspection Fees			0			40,000			40,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>480,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0		30,000	450,000			480,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>480,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: MD152/Oakmont Road/Port Lane****HIGHWAYS - ROADS****COUNCIL DISTRICT: B****LOCATION: Fallston****H104504****PROJECT DESCRIPTION / JUSTIFICATION:**

Traffic improvements will be made to the road network in the vicinity of the Fallston Recreation Complex. Phase I work included a new access from the Fallston Rec. Parking Lot to Oakmont Road and MD 152. Proposed in Phase 2 is a new access into the Brandywine Subdivision with a traffic signal at the intersection of Oakmont Road & MD152. The traffic signal is complete, access into the Brandywine Subdivision awaiting final design, R/W, and construction.

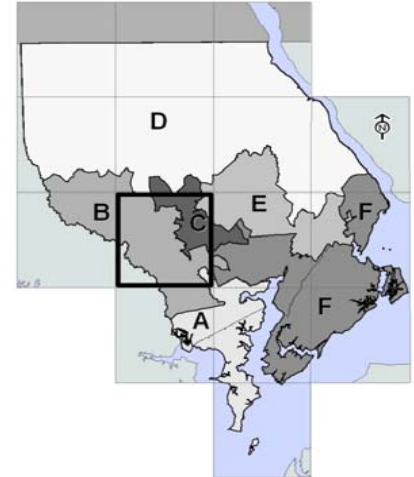
**PROJECT SCHEDULE:**

FY11 - Design &amp; R/W

FY21 - Construction

**PROJECT STATUS:**

Currently not funded. Design complete. Unable to acquire r/w.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	75,000		75,000						75,000
Land Acquisition	200,000		200,000						200,000
Construction	125,732		125,732				500,000		625,732
Inspection Fees			0				50,000		50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>400,732</b>	<b>0</b>	<b>400,732</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>	<b>0</b>	<b>950,732</b>

**FUNDING SCHEDULE**

R8750 Paygo	400,000		400,000				550,000		950,000
R7100 Prior Bonds	732		732						732
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>400,732</b>	<b>0</b>	<b>400,732</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>	<b>0</b>	<b>950,732</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$62

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	117,666
Encumbered	0
<b>Total</b>	<b>\$117,666</b>

**PROJECT: Traffic Signals 15****HIGHWAYS - ROADS****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****H154505****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the construction, upgrading, and maintenance of necessary traffic signals, intersection control beacons, and flashing warning beacons on County roads. At State/County road intersections, the County is required to provide matching funds (1/3 to 1/2 dependent upon the intersection configuration) for its share of the project. One four-legged intersection costs approximately \$120,000 and intersection warning beacons (Flashers) cost approximately \$40,000.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	5,000		5,000	5,000	5,000	5,000	5,000		25,000
Land Acquisition			0						0
Construction	104,601		104,601	45,000	45,000	45,000	45,000		284,601
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>109,601</b>	<b>0</b>	<b>109,601</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>309,601</b>

**FUNDING SCHEDULE**

R8750 Paygo	0		0	50,000	50,000	50,000	50,000		200,000
R8770 Reappropriated	109,601		109,601						109,601
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>109,601</b>	<b>0</b>	<b>109,601</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>309,601</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

**PROJECT: Trimble Road (Joppa Road to Garnett Road)****HIGHWAYS - ROADS****COUNCIL DISTRICT: A****LOCATION: Joppatowne****New****PROJECT DESCRIPTION / JUSTIFICATION:**

As the Joppatowne community continues to grow, Trimble Road is experiencing increasing traffic volumes. This project will investigate the need for safety and capacity improvements along the segment from Joppa Road to Garnett Road.

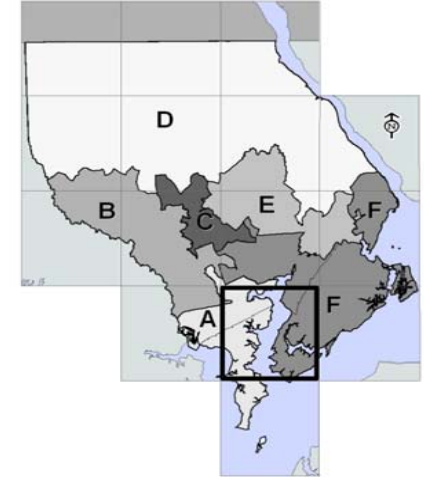
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY20 - Engineering  
FY21 - R/W  
FY23 - Construction

**PROJECT STATUS:**

Project is currently unfunded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0		100,000				100,000
Land Acquisition			0			50,000			50,000
Construction			0					500,000	500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>50,000</b>	<b>0</b>	<b>500,000</b>	<b>650,000</b>

**FUNDING SCHEDULE**

R8750 Paygo			0		100,000	50,000		500,000	650,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>50,000</b>	<b>0</b>	<b>500,000</b>	<b>650,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended  
Encumbered  
Total \$0

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Cape Knoll Road Acceptance**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: A**

**LOCATION: Joppatowne**

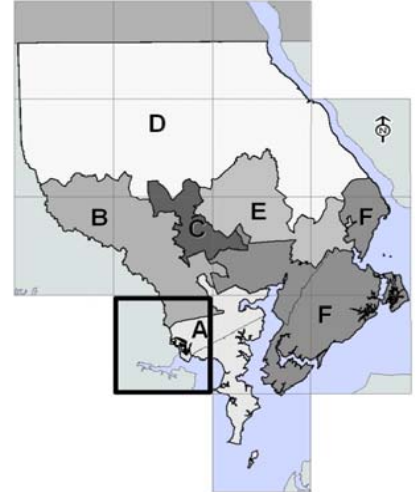
**H004511**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to allow for Sweet Briar Court and Foster Knoll Drive in the Cape Knoll community to be taken into the County road system as a petition project paid for by the property owners.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	150,000		150,000						150,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	150,000	0	150,000	0	0	0	0	0	150,000

**FUNDING SCHEDULE**

R1602 Special Assessment	150,000		150,000						150,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	150,000	0	150,000	0	0	0	0	0	150,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	108,273
Encumbered	0
Total	<u>\$108,273</u>

**PROJECT: Landis Circle - Foxborough Farms**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: E**

**LOCATION: Bel Air**

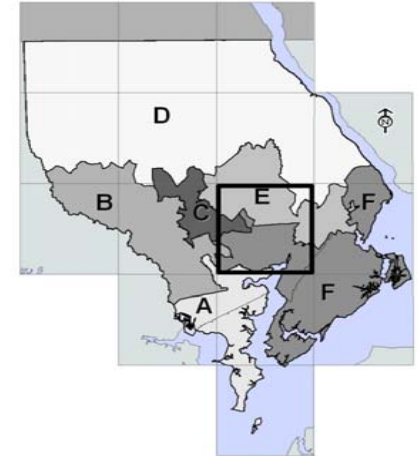
**H154504**

**PROJECT DESCRIPTION / JUSTIFICATION:**

To convert Landis Circle from a private road to a County Road. Funds will be required for pavement, stormdrain, curb, etc. to meet County standards.

**PROJECT SCHEDULE:**

Construction in Fall of 2014



**PROJECT STATUS:**

Petition received from residents, public meeting held, received document with residents acknowledging that they are responsible for improvements.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	320,000		320,000						320,000
Inspection Fees	30,000		30,000						30,000
Equipment/Furnishing			0						0
Total Cost	350,000	0	350,000	0	0	0	0	0	350,000

**FUNDING SCHEDULE**

R6999 Other	350,000		350,000						350,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	350,000	0	350,000	0	0	0	0	0	350,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	259,328
Encumbered	0
Total	<u>\$259,328</u>

**PROJECT: Schucks Road Culvert Replacement****HIGHWAYS - ROADS****COUNCIL DISTRICT: E****LOCATION: Churchville****H124505****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the existing culvert on Schucks Road at Edwards Lane. The existing culvert is deteriorating and undersized. The road in the immediate vicinity of the culvert is poorly aligned with inadequate drainage. Design funds were taken from the Culvert Rehab account and, due to the size of this project, the construction phase has been placed in its own capital account. Existing funds in the Schucks Road Improvement Account (H064503 - \$200,000) and the Road Resurfacing Account (H114506 - \$50,000) will be utilized for the road reconstruction portion of this project.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

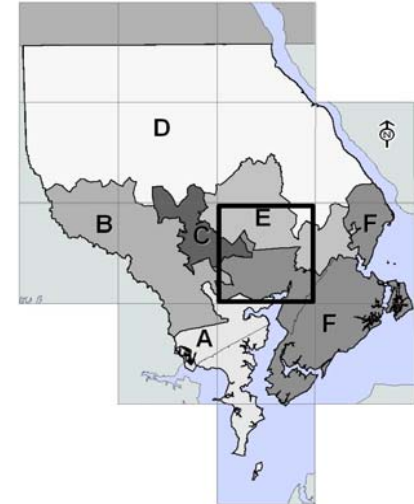
FY10 - Design

FY12 / 15 - Construction

FY16 - Unable to acquire all necessary R/W. In the interim, reappropriated \$750,000 to the Resurfacing Account.

**PROJECT STATUS:**

Design Complete - 7 of 8 Rights-of-Way have been acquired.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	0		0						0
Inspection Fees	80,000		80,000						80,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>80,000</b>	<b>0</b>	<b>80,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	80,000		80,000						80,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>80,000</b>	<b>0</b>	<b>80,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	23,824
Encumbered	0
<b>Total</b>	<b>\$23,824</b>

**PROJECT: Village of Scot's Fancy Starmount Lane**

**HIGHWAYS - ROADS**

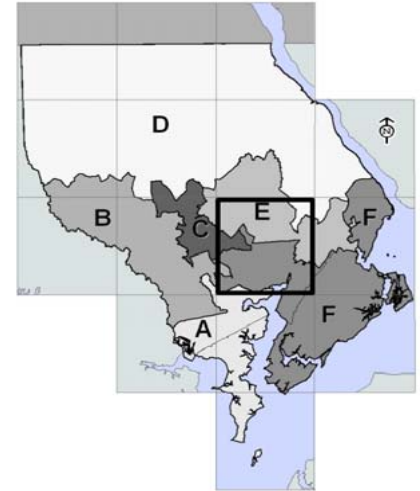
**COUNCIL DISTRICT: E**

**LOCATION: Bel Air**

**H054515**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for the replacement of stormwater management facility outfall pipe and the repair and resurfacing of Starmount Lane from the end of the cul-de-sac to Whispering Ridge Lane. The repairs are necessary to bring this private roadway up to County standards.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project remains open to accept special assessments.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	145,128		145,128						145,128
Land Acquisition			0						0
Construction	604,872		604,872						604,872
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	750,000	0	750,000	0	0	0	0	0	750,000

**FUNDING SCHEDULE**

R1602 Special Assessment	750,000		750,000						750,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	750,000	0	750,000	0	0	0	0	0	750,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	715,128
Encumbered	0
Total	<u><u>\$715,128</u></u>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				
					FY 2020	FY 2021	FY 2022	FY 2023	
RESURFACING									
<b>FY 18 Funded Projects:</b>									
Resurfacing Roadways	31,955,017	0	5,705,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	
<b>Open Projects:</b>									
Resurfacing Roadways 14	6,661,509	6,661,509	0	0	0	0	0	0	
Resurfacing Roadways 15	5,603,106	5,603,106	0	0	0	0	0	0	
Resurfacing Roadways 16	5,292,842	5,292,842							
Resurfacing Roadways 17	5,002,435	5,002,435	0	0	0	0	0	0	
Resurfacing Total by Project	54,514,909	22,559,892	5,705,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	
Paygo	51,845,675	19,984,500	5,611,175	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	
Reappropriated	2,575,392	2,575,392	0	0	0	0	0	0	
Prior Paygo	93,842	0	93,842	0	0	0	0	0	
Resurfacing Total by Fund	54,514,909	22,559,892	5,705,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

HIGHWAYS FUND

HIGHWAYS

RESURFACING

Resurfacing Roadways 18	5,705,017	93,842	5,611,175	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL RESURFACING	5,705,017	93,842	5,611,175	0	0	0	0	0	0	0	0	0	0

**PROJECT: Resurfacing Roadways 18****HIGHWAYS - RESURFACING****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H184503****PROJECT DESCRIPTION / JUSTIFICATION:**

This is an ongoing project activity to resurface the County's 630+ miles of asphalt pavement.

This is a critical maintenance program for the upkeep of the County's pavement system. Not only does this work provide smoother and safer roadways, but it seals out water from the subbase, thereby drastically improving the life cycle of the pavement.

Included in the cost is an item to upgrade/replace handicapped ramps per Federal ADA guidelines.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		75,000	75,000	75,000	75,000	75,000	75,000	75,000	450,000
Land Acquisition			0						0
Construction		5,480,017	5,480,017	4,825,000	4,875,000	4,900,000	4,950,000	4,975,000	30,005,017
Inspection Fees		150,000	150,000	250,000	250,000	275,000	275,000	300,000	1,500,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>5,705,017</b>	<b>5,705,017</b>	<b>5,150,000</b>	<b>5,200,000</b>	<b>5,250,000</b>	<b>5,300,000</b>	<b>5,350,000</b>	<b>31,955,017</b>

**FUNDING SCHEDULE**

R8750 Paygo		5,611,175	5,611,175	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	31,861,175
R8750 Prior Paygo		93,842	93,842						93,842
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>5,705,017</b>	<b>5,705,017</b>	<b>5,150,000</b>	<b>5,200,000</b>	<b>5,250,000</b>	<b>5,300,000</b>	<b>5,350,000</b>	<b>31,955,017</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended

Encumbered

Total \$0

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Resurfacing Roadways 14****HIGHWAYS - RESURFACING****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H144505****PROJECT DESCRIPTION / JUSTIFICATION:**

This is an ongoing project activity to resurface the County's 630+ miles of asphalt pavement. Included in the cost is an item to upgrade/replace handicapped ramps per Federal ADA guidelines.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	75,000		75,000						75,000
Land Acquisition			0						0
Construction	6,336,509		6,336,509						6,336,509
Inspection Fees	250,000		250,000						250,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>6,661,509</b>	<b>0</b>	<b>6,661,509</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,661,509</b>

**FUNDING SCHEDULE**

R8750 Paygo	6,280,000		6,280,000						6,280,000
R8089 Reappropriated Paygo	381,509		381,509						381,509
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>6,661,509</b>	<b>0</b>	<b>6,661,509</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,661,509</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	6,473,487
Encumbered	0
<b>Total</b>	<b>\$6,473,487</b>

**PROJECT: Resurfacing Roadways 15****HIGHWAYS - RESURFACING****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H154506****PROJECT DESCRIPTION / JUSTIFICATION:**

This is an ongoing project activity to resurface the County's 630+ miles of asphalt pavement.

This is a critical maintenance program for the upkeep of the County's pavement system. Not only does this work provide smoother and safer roadways, but it seals out water from the subbase, thereby drastically improving the life cycle of the pavement.

Included in the cost is an item to upgrade/replace handicapped ramps per Federal ADA guidelines.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	75,000		75,000						75,000
Land Acquisition			0						0
Construction	5,278,106		5,278,106						5,278,106
Inspection Fees	250,000		250,000						250,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,603,106</b>	<b>0</b>	<b>5,603,106</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,603,106</b>

**FUNDING SCHEDULE**

R8750 Paygo	4,815,000		4,815,000						4,815,000
R8089 Reappropriated Paygo	788,106		788,106						788,106
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>5,603,106</b>	<b>0</b>	<b>5,603,106</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,603,106</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	4,423,662
Encumbered	208,361
<b>Total</b>	<b><u>\$4,632,023</u></b>

**PROJECT: Resurfacing Roadways 16****HIGHWAYS - RESURFACING****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H164502****PROJECT DESCRIPTION / JUSTIFICATION:**

This is an ongoing project activity to resurface the County's 630+ miles of asphalt pavement.

This is a critical maintenance program for the upkeep of the County's pavement system. Not only does this work provide smoother and safer roadways, but it seals out water from the subbase, thereby drastically improving the life cycle of the pavement.

Included in the cost is an item to upgrade/replace handicapped ramps per Federal ADA guidelines.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	75,000		75,000						75,000
Land Acquisition									0
Construction	5,042,842		5,042,842						5,042,842
Inspection Fees	175,000		175,000						175,000
Equipment/Furnishing									0
<b>Total Cost</b>	<b>5,292,842</b>	<b>0</b>	<b>5,292,842</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,292,842</b>

**FUNDING SCHEDULE**

R8750 Paygo	4,000,000		4,000,000						4,000,000
R8089 Reappropriated Paygo	1,292,842		1,292,842						1,292,842
									0
									0
			0						0
			0						0
<b>Total Funds</b>	<b>5,292,842</b>	<b>0</b>	<b>5,292,842</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,292,842</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	3,580,397
Encumbered	441,049
<b>Total</b>	<b><u>\$4,021,446</u></b>

**PROJECT: Resurfacing Roadways 17****HIGHWAYS - RESURFACING****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H174503****PROJECT DESCRIPTION / JUSTIFICATION:**

This is an ongoing project activity to resurface the County's 630+ miles of asphalt pavement.

This is a critical maintenance program for the upkeep of the County's pavement system. Not only does this work provide smoother and safer roadways, but it seals out water from the subbase, thereby drastically improving the life cycle of the pavement.

Included in the cost is an item to upgrade/replace handicapped ramps per Federal ADA guidelines.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Reappropriated funding in the amount of \$112,935 is from Highways recovery capital project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	75,000		75,000						75,000
Land Acquisition			0						0
Construction	4,752,435		4,752,435						4,752,435
Inspection Fees	175,000		175,000						175,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,002,435</b>	<b>0</b>	<b>5,002,435</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,002,435</b>

**FUNDING SCHEDULE**

R8750 Paygo	4,889,500		4,889,500						4,889,500
R8770 Reappropriated	112,935		112,935						112,935
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>5,002,435</b>	<b>0</b>	<b>5,002,435</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,002,435</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,239,662
Encumbered	399,810
<b>Total</b>	<b><u>\$1,639,472</u></b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM				
					FY 2020	FY 2021	FY 2022	FY 2023	
<b>HIGHWAYS FUND</b>									
OTHER									
<b><u>FY 18 Funded Projects:</u></b>									
APG Gate Pilot	2,000,000	820,603	1,179,397	0	0	0	0	0	
Fleet Maintenance Facility	1,940,000	0	155,000	1,785,000	0	0	0	0	
Fleet Replacement	17,942,000	8,942,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	
Refresh Program	940,500	365,500	75,000	100,000	100,000	100,000	100,000	100,000	
Safeguarding Business Operations	3,687,450	2,687,450	250,000	250,000	250,000	250,000	0	0	
Sidewalks and Handicapped Ramps	1,899,300	999,300	150,000	150,000	150,000	150,000	150,000	150,000	
<b><u>Outyear Projects:</u></b>									
Efficiency Capital Investment Project	355,000	155,000	0	40,000	40,000	40,000	40,000	40,000	
Equipment Sheds	200,000	0	0	100,000	100,000	0	0	0	
Facilities Repair Program	1,507,000	1,007,000	0	100,000	100,000	100,000	100,000	100,000	
<b><u>Open Projects:</u></b>									
Fuel Dispensing System Upgrade	950,000	950,000	0	0	0	0	0	0	
Glen Elyn Culvert and Ponds Repair	392,500	392,500	0	0	0	0	0	0	
HMAN (Harford County Metro Area Network)	930,000	930,000	0	0	0	0	0	0	
Primrose Place	146,000	146,000	0	0	0	0	0	0	
700 MHz Wireless Radio System Equipment	1,600,000	1,600,000	0	0	0	0	0	0	
Other Total by Project	34,489,750	18,995,353	3,309,397	4,025,000	2,240,000	2,140,000	1,890,000	1,890,000	
Paygo	30,790,752	18,178,688	2,212,064	2,240,000	2,240,000	2,140,000	1,890,000	1,890,000	
Future Bonds	1,940,000	0	155,000	1,785,000	0	0	0	0	
Special Paygo	0	0	0	0	0	0	0	0	
Reappropriated	138,865	138,865	0	0	0	0	0	0	
Federal	169,300	169,300	0	0	0	0	0	0	
State	70,000	70,000	0	0	0	0	0	0	
Developer	64,650	64,650	0	0	0	0	0	0	
Other	1,316,183	373,850	942,333	0	0	0	0	0	
Other Total by Fund	34,489,750	18,995,353	3,309,397	4,025,000	2,240,000	2,140,000	1,890,000	1,890,000	

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

HIGHWAYS FUND

OTHER

APG Gate Pilot	1,179,397	0	237,064	0	0	0	0	0	0	0	0	0	942,333
Fleet Maintenance Facility	155,000	0	0	0	155,000	0	0	0	0	0	0	0	0
Fleet Replacement	1,500,000	0	1,500,000	0	0	0	0	0	0	0	0	0	0
Refresh	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0

SUB-TOTAL OTHER	3,309,397	0	2,212,064	0	155,000	0	0	0	0	0	0	0	942,333
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**PROJECT: APG Gate PILOT**

**HIGHWAYS - OTHER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**H164503**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Funds will be used to develop transportation/road improvements servicing Aberdeen Proving Ground or other surrounding business districts.

**PROJECT SCHEDULE:**

FY 16 - Harford County will continue working with the State of Maryland and Aberdeen Proving Ground to further the development of the near term transportation projects.



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	820,603	1,179,397	2,000,000						2,000,000
Total Cost	820,603	1,179,397	2,000,000	0	0	0	0	0	2,000,000

**FUNDING SCHEDULE**

R8750 Paygo - APG Gate PILOT	820,603	237,064	1,057,667						1,057,667
R6999 Other		942,333	942,333						942,333
			0						0
			0						0
			0						0
			0						0
Total Funds	820,603	1,179,397	2,000,000	0	0	0	0	0	2,000,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Fleet Maintenance Facility**

**HIGHWAYS - OTHER**

**COUNCIL DISTRICT: C**

**LOCATION: Various**

**New**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for engineering and design of a new Fleet Maintenance/Radio Shop facility. This facility was listed as a high priority in the Countywide Facilities Master Plan Study. This project includes plans to collaborate with the Board of Education.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		155,000	155,000	1,785,000					1,940,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	155,000	155,000	1,785,000	0	0	0	0	1,940,000

**FUNDING SCHEDULE**

R7000 Future Bonds		155,000	155,000	1,785,000					1,940,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	155,000	155,000	1,785,000	0	0	0	0	1,940,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

Financial Activity as of

Expended  
Encumbered  
Total \$0

**PROJECT: Fleet Replacement****HIGHWAYS - OTHER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****H124507****PROJECT DESCRIPTION / JUSTIFICATION:**

Provide funds for the replacement of essential vehicles and equipment to enable using agencies to perform their critical jobs. We are behind in consistent rotation which has caused maintenance costs to rise, fuel inefficiency, and fleet availability to plummet. Units to be replaced are on average 10 years old with high mileage and have become unreliable.

**PROJECT SCHEDULE:**

This project will be managed/controlled by the Department of Procurement, Fleet Management Division.

**PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	8,942,000	1,500,000	10,442,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	17,942,000
<b>Total Cost</b>	<b>8,942,000</b>	<b>1,500,000</b>	<b>10,442,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>17,942,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	8,942,000	1,500,000	10,442,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	17,942,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>8,942,000</b>	<b>1,500,000</b>	<b>10,442,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>1,500,000</b>	<b>17,942,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	7,245,785
Encumbered	1,441,342
<b>Total</b>	<b><u><u>\$8,687,127</u></u></b>

**PROJECT: Refresh Program**

**HIGHWAYS - OTHER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**H134511**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to refresh the computers, network, infrastructure, server, storage and peripherals throughout the County. This project will be an ongoing maintenance effort to keep the County's equipment current and to replace equipment as it becomes obsolete or out of support. This project will be managed by the Office of Information and Communication Technology.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	365,500	75,000	440,500	100,000	100,000	100,000	100,000	100,000	940,500
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	365,500	75,000	440,500	100,000	100,000	100,000	100,000	100,000	940,500

**FUNDING SCHEDULE**

R8750 Paygo	301,635	75,000	376,635	100,000	100,000	100,000	100,000	100,000	876,635
R8089 Reappropriated Paygo	63,865		63,865						63,865
			0						0
			0						0
			0						0
			0						0
Total Funds	365,500	75,000	440,500	100,000	100,000	100,000	100,000	100,000	940,500

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

Financial Activity as of

1/5/2017

Expended	309,997
Encumbered	3,667
Total	<u>\$313,664</u>

**PROJECT: Safeguarding Business Operations****HIGHWAYS - OTHER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****H114507****PROJECT DESCRIPTION / JUSTIFICATION:**

To integrate and modernize enterprise software applications and architecture across the County. Projects will include Enterprise Resource Planning. Applications and Database modernization, consolidation and enhancement including Workflow, COBIT/ITIL standards initiatives, Mainframe Sunset provisions, DILP Automation, Disaster Recovery, EOC Integration and DPW/Transportation Vehicle Tracking Systems among others.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,687,450	250,000	2,937,450	250,000	250,000	250,000			3,687,450
<b>Total Cost</b>	<b>2,687,450</b>	<b>250,000</b>	<b>2,937,450</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>3,687,450</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,687,450	250,000	2,937,450	250,000	250,000	250,000			3,687,450
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,687,450</b>	<b>250,000</b>	<b>2,937,450</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>3,687,450</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

1/5/2017

Expended	2,002,383
Encumbered	64,959
<b>Total</b>	<b><u>\$2,067,342</u></b>

**PROJECT: Sidewalks and Handicapped Ramps****HIGHWAYS - OTHER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****H104512****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the construction of sidewalks to interconnect communities, schools, and commercial areas. The project will benefit air quality and congestion by encouraging local walking trips and will improve safety by separating pedestrians and motor vehicles.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	65,000	10,000	75,000	10,000	10,000	10,000	10,000	10,000	125,000
Land Acquisition	25,000		25,000	5,000	5,000	5,000	5,000	5,000	50,000
Construction	849,300	140,000	989,300	120,000	120,000	120,000	120,000	120,000	1,589,300
Inspection Fees	60,000		60,000	15,000	15,000	15,000	15,000	15,000	135,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>999,300</b>	<b>150,000</b>	<b>1,149,300</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,899,300</b>

**FUNDING SCHEDULE**

R8750 Paygo	700,000	150,000	850,000	150,000	150,000	150,000	150,000	150,000	1,600,000
R6330 Developer	64,650		64,650						64,650
R6999 Other	15,350		15,350						15,350
R3199 Federal Other	169,300		169,300						169,300
R8089 Reappropriated Paygo	50,000		50,000						50,000
			0						0
<b>Total Funds</b>	<b>999,300</b>	<b>150,000</b>	<b>1,149,300</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,899,300</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	658,273
Encumbered	16,150
<b>Total</b>	<b><u>674,423</u></b>

# **OUTYEAR PROJECTS**

## **FY 19 - FY 23**

**PROJECT: Efficiency Capital Investment Project****HIGHWAYS - OTHER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H134507****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will continue the design and initiate site preparation to connect the Hickory II facility to natural gas following an energy efficiency completed in FY12. This study was based upon the premise that natural gas could be a more cost effective and energy efficient fuel source for the Hickory II facility.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design									0
Land Acquisition									0
Construction	10,000		10,000	15,000	15,000	15,000	15,000	15,000	85,000
Inspection Fees									0
Equipment/Furnishing	145,000		145,000	25,000	25,000	25,000	25,000	25,000	270,000
<b>Total Cost</b>	<b>155,000</b>	<b>0</b>	<b>155,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>355,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	50,000		50,000	40,000	40,000	40,000	40,000	40,000	250,000
R6999 Other	10,000		10,000						10,000
R3399 State Other	70,000		70,000						70,000
R8089 Reappropriated Paygo	25,000		25,000						25,000
			0						0
			0						0
<b>Total Funds</b>	<b>155,000</b>	<b>0</b>	<b>155,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>355,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	90,515
Encumbered	0
<b>Total</b>	<b>\$90,515</b>

**PROJECT: Equipment Sheds**

**HIGHWAYS - OTHER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**New**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Funds are requested for construction of equipment storage sheds to protect assigned equipment from the elements (current value in excess of \$9,000,000). The intent is that the shed be a basic structure with a roof, walls, and electric lights. Equipment is currently parked in the open without cover for the operator when he/she performs routine preventative maintenance. There is not any protection from the elements making the vehicles more difficult to start in the winter and causes more rapid deterioration of equipment. Funds are requested for the Abingdon and Hickory complexes.

**PROJECT SCHEDULE:**

FY 18 - construction

FY 19 - construction

**PROJECT STATUS:**

Planning is underway



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0	5,000	5,000				10,000
Land Acquisition			0						0
Construction			0	90,000	90,000				180,000
Inspection Fees			0	5,000	5,000				10,000
Equipment/Furnishing			0						0
Total Cost	0	0	0	100,000	100,000	0	0	0	200,000

**FUNDING SCHEDULE**

R8750 Paygo			0	100,000	100,000				200,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	100,000	100,000	0	0	0	200,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended	
Encumbered	0
Total	\$0

**PROJECT: Facilities Repair Program****HIGHWAYS - OTHER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H034506****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for an umbrella facilities repair fund for County buildings. The program would allow for the timely repair/replacement of deteriorating roofs, parking lots, HVAC equipment, windows, and other building structures.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	125,000		125,000						125,000
Land Acquisition			0						0
Construction	827,000		827,000	100,000	100,000	100,000	100,000	100,000	1,327,000
Inspection Fees	55,000		55,000						55,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,007,000</b>	<b>0</b>	<b>1,007,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,507,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,007,000		1,007,000	100,000	100,000	100,000	100,000	100,000	1,507,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,007,000</b>	<b>0</b>	<b>1,007,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,507,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	881,110
Encumbered	0
<b>Total</b>	<b>\$881,110</b>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Fuel Dispensing System Upgrade****HIGHWAYS - OTHER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****H064508****PROJECT DESCRIPTION / JUSTIFICATION:**

Project is for the upgrade of the County's fuel dispensing system at Abingdon. Replacing tanks and pumps are necessary as they have passed their useful life. Current size can not handle increased demand and cannot meet new regulation requirements.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	950,000		950,000						950,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>950,000</b>	<b>0</b>	<b>950,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>950,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	950,000		950,000						950,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>950,000</b>	<b>0</b>	<b>950,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>950,000</b>

**OPERATING BUDGET IMPACT:**

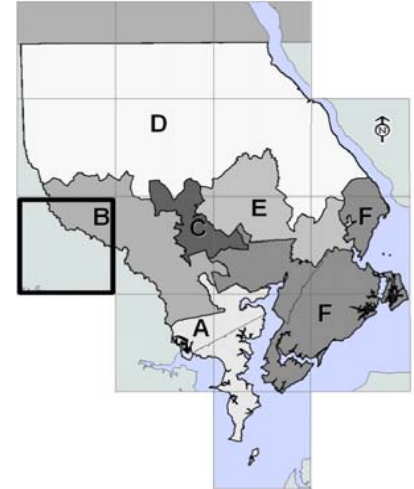
Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	949,273
Encumbered	0
<b>Total</b>	<b>\$949,273</b>

**PROJECT: Glen Elyn Culvert and Ponds Repair****HIGHWAYS - OTHER****COUNCIL DISTRICT: B****LOCATION: Upper Crossroads****H024504****PROJECT DESCRIPTION / JUSTIFICATION:**

The culvert running from the Glen Elyn stormwater management pond under Forest Glen Drive has deteriorated. This project replaced the pipe with a reinforced concrete pipe that will be more resistant to deterioration and failures. This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project remains open to accept special assessments from the community to reimburse some of the costs for this project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	25,000		25,000						25,000
Land Acquisition			0						0
Construction	352,500		352,500						352,500
Inspection Fees	15,000		15,000						15,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>392,500</b>	<b>0</b>	<b>392,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>392,500</b>

**FUNDING SCHEDULE**

R1602 Special Assessment	202,500		202,500						202,500
R8750 Paygo	190,000		190,000						190,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>392,500</b>	<b>0</b>	<b>392,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>392,500</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	392,500
Encumbered	0
<b>Total</b>	<b><u>\$392,500</u></b>

**PROJECT: HMAN (Harford County Metro Area Network)****HIGHWAYS - OTHER****COUNCIL DISTRICT: MULTIPLE****LOCATION:** Countywide**H134509****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to use advanced telecommunications infrastructure to increase access to the web and other computer utilities for citizens, businesses and governmental entities within Harford County. The HMAN (Harford County Metro Area Network) will allow the consolidation of existing disparate communication networks into a single secure high speed IP network providing internet; Ethernet and voice over IP; serve as Harford County's communications backbone for all current and future technologies; reduction of cost for Harford County government and its sister organizations' complete coverage of the County for internet access and increased bandwidth for both governmental and private sector entities. This new architecture creates a multi-service network that provides the government, public safety, education, health care, commercial and residential users a single infrastructure, with complete sovereignty and security, on an advanced consolidated core backbone.

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	930,000		930,000						930,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>930,000</b>	<b>0</b>	<b>930,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>930,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	930,000		930,000						930,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>930,000</b>	<b>0</b>	<b>930,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>930,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of

1/5/2017

Expended	922,804
Encumbered	7,148
<b>Total</b>	<b>\$929,952</b>

**PROJECT: Primrose Place**

**HIGHWAYS - OTHER**

**COUNCIL DISTRICT: F**

**LOCATION: Riverside**

**H034508**

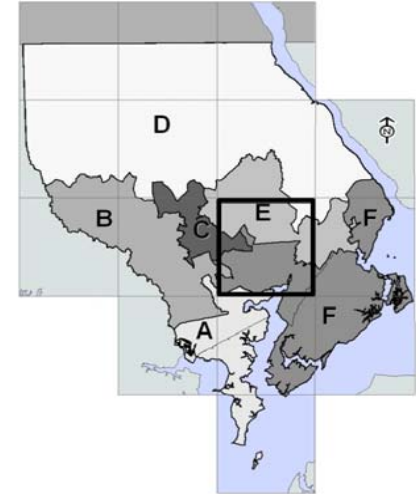
**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provided funding to identify the properties to be benefited and to establish an assessment basis and annual assessment for the Primrose Place Project.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project remains open to accept special assessments.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	146,000		146,000						146,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	146,000	0	146,000	0	0	0	0	0	146,000

**FUNDING SCHEDULE**

R1602 Special Assessment	146,000		146,000						146,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	146,000	0	146,000	0	0	0	0	0	146,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/15/17:**

Expended	132,605
Encumbered	0
Total	<u>\$132,605</u>

**PROJECT: 700 MHz Wireless Radio System Equipment****HIGHWAYS - OTHER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****H134506****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for Highways' share of the 700 MHz radios purchase. These radios are needed in order to ensure interoperability with Baltimore County's new radio system and the soon to be installed regional radio system. This project is necessary as population growth increases call volume. Additional radio channels are required to handle the increased call volume. It is also related to the Master Plan as it provides public facilities that are needed for safe and sustainable communities.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	1,600,000		1,600,000						1,600,000
<b>Total Cost</b>	<b>1,600,000</b>	<b>0</b>	<b>1,600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,600,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,600,000		1,600,000						1,600,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,600,000</b>	<b>0</b>	<b>1,600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,600,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,598,812
Encumbered	1,188
<b>Total</b>	<b>\$1,600,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>WATER &amp; SEWER FUND</b>								
<b>WATER PROJECTS</b>								
<b>FY 18 Funded Projects:</b>								
Fleet Maintenance Facility	530,000	150,000	30,000	350,000	0	0	0	0
Fleet Replacement	8,262,000	3,462,000	800,000	800,000	800,000	800,000	800,000	800,000
Infrastructure Management System Enhancements	300,000	0	300,000	0	0	0	0	0
Perryman GAC Plant Improvements	1,000,000	0	500,000	500,000	0	0	0	0
Perryman Wellfield Improvement	3,720,000	0	200,000	370,000	0	3,150,000	0	0
Refresh Program	967,000	387,000	80,000	100,000	100,000	100,000	100,000	100,000
Replacement of Water Booster Station SCADA	1,500,000	300,000	1,200,000	0	0	0	0	0
Safeguarding Business Operations	3,936,650	2,824,650	362,000	250,000	250,000	250,000	0	0
Site Acquisition 17	0	364,927	(364,927)	0	0	0	0	0
Tollgate Road Water Main Parallel 15	0	1,292,227	(1,292,227)	0	0	0	0	0
US 40 and Rt 159 SHA Water Relocation	3,800,000	2,600,000	1,200,000	0	0	0	0	0
Water and Sewer Authority Study Establishment	293,013	1,000,000	(706,987)					
Water Zone Improvements	1,230,000	450,000	150,000	230,000		200,000		200,000
<b>Outyear Projects:</b>								
HDG WTP Upgrade	3,300,000	0	0	150,000	150,000	3,000,000	0	0
Oak Grove Booster Station	330,000	0	0	330,000	0	0	0	0
Renewal and Replacement Water Infrastructure	1,900,000	400,000	0	300,000	300,000	300,000	300,000	300,000
Tank Painting	4,800,000	800,000	0	800,000	800,000	800,000	800,000	800,000
Water Meter Upgrade	2,210,000	1,210,000	0	250,000	250,000	250,000	250,000	0
Water System Model Study	550,000	300,000	0	50,000	50,000	50,000	50,000	50,000
<b>Open Projects:</b>								
Abingdon Road Water	8,300,000	8,300,000	0	0	0	0	0	0
Abingdon WTP Expansion	76,535,000	76,535,000	0	0	0	0	0	0
City of Baltimore - Deer Creek PS and Valve Improvements	3,700,000	0	0	0	0	0	0	0
City of Baltimore Raw Water Supply	3,300,000	3,300,000	0	0	0	0	0	0
Construction Unanticipated 12	300,000	300,000	0	0	0	0	0	0
Construction Unanticipated 15	460,000	460,000	0	0	0	0	0	0
Efficiency Capital Investment Projects	300,000	300,000	0	0	0	0	0	0
HMAN (Harford County Metro Area Network)	1,220,000	1,220,000	0	0	0	0	0	0
Magnolia Booster Station	1,450,000	1,450,000	0	0	0	0	0	0
Tank Painting 12	300,000	300,000	0	0	0	0	0	0
Tank Painting 14	500,000	500,000	0	0	0	0	0	0
Tank Painting 15	800,000	800,000	0	0	0	0	0	0
Tank Painting 16	700,000	700,000	0	0	0	0	0	0
Underground and Aboveground Storage Tank Mgt	50,000	50,000	0	0	0	0	0	0
Water and Sewer Billing Project	1,500,000	1,500,000	0	0	0	0	0	0
<b>Water Total by Project</b>	<b>138,043,663</b>	<b>114,955,804</b>	<b>2,457,859</b>	<b>4,480,000</b>	<b>2,700,000</b>	<b>8,900,000</b>	<b>2,300,000</b>	<b>2,250,000</b>
<b>Paygo</b>	<b>34,486,107</b>	<b>16,151,094</b>	<b>1,685,013</b>	<b>3,650,000</b>	<b>2,550,000</b>	<b>5,900,000</b>	<b>2,300,000</b>	<b>2,250,000</b>
Prior Paygo	(300,000)	(300,000)	0	0	0	0	0	0
Future Bonds	6,410,000	0	2,430,000	830,000	150,000	3,000,000	0	0
Prior Bonds	96,324,687	97,689,614	(1,364,927)	0	0	0	0	0
Reappropriated	822,869	1,115,096	(292,227)	0	0	0	0	0
State	300,000	300,000	0	0	0	0	0	0
<b>Water Total by Fund</b>	<b>138,043,663</b>	<b>114,955,804</b>	<b>2,457,859</b>	<b>4,480,000</b>	<b>2,700,000</b>	<b>8,900,000</b>	<b>2,300,000</b>	<b>2,250,000</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

WATER & SEWER FUND

WATER PROJECTS

Fleet Maintenance Facility	30,000	0	0	0	30,000	0	0	0	0	0	0	0	0
Fleet Replacement	800,000	0	800,000	0	0	0	0	0	0	0	0	0	0
Infrastructure Management System Enhancements	300,000	206,987	93,013	0	0	0	0	0	0	0	0	0	0
Perryman GAC Plant Improvements	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0
Perryman Wellfield Improvement	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Refresh	80,000	0	80,000	0	0	0	0	0	0	0	0	0	0
Replacement of Water Booster Station SCADA	1,200,000	0	0	0	1,200,000	0	0	0	0	0	0	0	0
Safeguarding Business Operations	362,000	0	362,000	0	0	0	0	0	0	0	0	0	0
Site Acquisition 17	(364,927)	0	0	(364,927)	0	0	0	0	0	0	0	0	0
Tollgate Road Water Main Parallel 15	(1,292,227)	0	0	(1,292,227)	0	0	0	0	0	0	0	0	0
US 40 and Rt. 159 SHA Water Relocation	1,200,000	0	0	0	1,200,000	0	0	0	0	0	0	0	0
Water and Sewer Authority Study Establishment	(706,987)	(706,987)	0	0	0	0	0	0	0	0	0	0	0
Water Zone Improvements	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL WATER PROJECTS</b>	<b>2,457,859</b>	<b>0</b>	<b>1,685,013</b>	<b>(1,657,154)</b>	<b>2,430,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT: Fleet Maintenance Facility**

**WATER**

**COUNCIL DISTRICT: C**

**LOCATION: Various**

**New**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for engineering and design of a new Fleet Maintenance/Radio Shop facility. This facility was listed as a high priority in the Countywide Facilities Master Plan Study. This project includes plans to collaborate with the Board of Education.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		30,000	30,000	350,000					380,000
Inspection Fees			0						0
Equipment/Furnishing	150,000		150,000						150,000
Total Cost	150,000	30,000	180,000	350,000	0	0	0	0	530,000

**FUNDING SCHEDULE**

R7000 Future Bonds		30,000	30,000	350,000					380,000
R7100 Prior Bonds	150,000								
			0						0
			0						0
			0						0
			0						0
Total Funds	150,000	30,000	30,000	350,000	0	0	0	0	380,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

Financial Activity as of

Expended  
Encumbered  
Total \$0

**PROJECT: Fleet Replacement**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**WATER**

**0126727**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Provide funds for the replacement of essential vehicles and equipment to enable using agencies to perform their critical jobs.

Funds will allow the county to maintain a consistent rotation, which lowers maintenance costs, fuel efficiency, and fleet availability.

Units to be replaced are on average 10 years old which have high mileage and are unreliable.

**PROJECT SCHEDULE:**

This project will be managed/controlled by the Department of Procurement, Fleet Management Division.



**PROJECT STATUS:**

This project is ongoing.

Reappropriated funding in the amount of \$533,379 is from Water and Sewer recovery.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	3,462,000	800,000	4,262,000	800,000	800,000	800,000	800,000	800,000	8,262,000
Total Cost	3,462,000	800,000	4,262,000	800,000	800,000	800,000	800,000	800,000	8,262,000

**FUNDING SCHEDULE**

R8750 Paygo	2,928,621	800,000	3,728,621	800,000	800,000	800,000	800,000	800,000	7,728,621
R8770 Reappropriated	133,379		133,379						133,379
R8750 Prior Paygo	400,000		400,000						400,000
			0						0
			0						0
			0						0
Total Funds	3,462,000	800,000	4,262,000	800,000	800,000	800,000	800,000	800,000	8,262,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,712,884
Encumbered	230,460
Total	<u>\$2,943,344</u>

**PROJECT: Infrastructure Management System Enhancements****WATER  
NEW****COUNCIL DISTRICT: MULTIPLE****LOCATION: Water and Sewer****PROJECT DESCRIPTION / JUSTIFICATION:**

W&S needs to expand and enhance its "Asset Information". To advance these improvements a project needs to be established with the main focus of maintaining and collecting information related to our physical assets. The major tasks for this project are:

- a.) Hire a consultant to generate a "GIS Asset Register" related to wastewater facilities
- b.) Implement the Asset Register in to Cityworks Asset Management System
- c.) Facilitate the Wastewater Operation asset maintenance work flow in to Cityworks
- d.) Implement a plan to externalize the Cityworks Asset Management System.
- e.) Expand information value with technology enhancements and customization of Cityworks
- f.) Make recommendations related to how our information complies to the concept of "Digital Continuity".

**PROJECT SCHEDULE:****PROJECT STATUS:**

Prior Paygo funding in the amount of \$206,987 has been reappropriated from the Water and Sewer Authority Study capital project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		300,000	300,000						300,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		0	0						0
<b>Total Cost</b>	<b>0</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		93,013	93,013						93,013
R8750 Prior Paygo		206,987	206,987						206,987
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Perryman GAC Plant Improvements****WATER****COUNCIL DISTRICT: F****LOCATION: Perryman****NEW****PROJECT DESCRIPTION / JUSTIFICATION:**

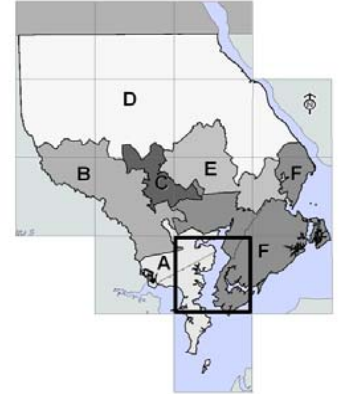
This project allows for the design and installation of new valves and control for the Perryman Water Treatment Plant GAC Facility.

The existing system consists of eleven 20,000 pound carbon filters. There are 6 to 8 valves on each individual filter.

The system components are between 20 and 25 years old and many of the valves are deteriorating due to age and service conditions.

This project will replace the valves and install a control metering system on each filter to allow optimum control and utilization of the carbon in the treatment system.

This project will be funded by Reappropriated Paygo Funds and 100% reimbursed by APG in accordance with an agreement with the Army

**PROJECT SCHEDULE:**

Design FY18

Valve Installtion FY18 & FY 19

Flow Metering Installation FY19

**PROJECT STATUS:**

New

Reappropriated Paygo from project Water and Sewer Authority Study capital project (0146735).

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		500,000	500,000	500,000					1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

**FUNDING SCHEDULE**

R8750 Prior Paygo		500,000	500,000		0	0			500,000
R8750 Paygo			0	500,000					500,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): 0

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Perryman Wellfield Improvement****WATER****COUNCIL DISTRICT: F****LOCATION: Perryman****NEW****PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the design and upgrade of the wells and wellhouses in the Perryman well system. The wells and wellhouses are 50 years old and require improvements. The project includes upgrades to the wells, wellhouse, pumps, piping, and security systems.

**PROJECT SCHEDULE:**

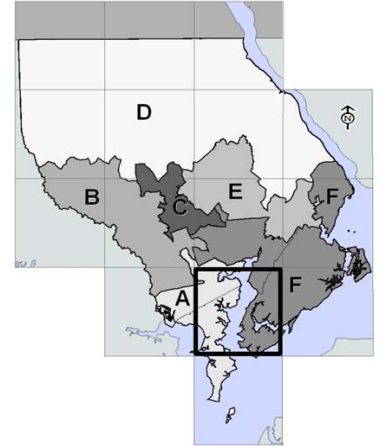
Hydrogeological Study &amp; Investigation FY 18

Design FY 19

Construction FY 20

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	0	200,000	200,000	370,000					570,000
Land Acquisition			0						0
Construction			0			3,000,000			3,000,000
Inspection Fees			0			150,000			150,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>370,000</b>	<b>0</b>	<b>3,150,000</b>	<b>0</b>	<b>0</b>	<b>3,720,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		200,000	200,000	370,000		3,150,000			3,720,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>370,000</b>	<b>0</b>	<b>3,150,000</b>	<b>0</b>	<b>0</b>	<b>3,720,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): 0

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Refresh Program****COUNCIL DISTRICT: MULTIPLE****LOCATION:** Countywide**WATER****O136733****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to refresh the computers, network, infrastructure, server, storage and peripherals throughout the County. This project will be an ongoing maintenance effort to keep the County's equipment current and to replace equipment as it becomes obsolete or out of support. This project will be managed by the Office of Information and Communication Technology.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Over and above regular refresh we have a request for 2 computers for Sod Run WTP and for two Rugged tablets SCADA and Field data. (\$5K)

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	387,000	80,000	467,000	100,000	100,000	100,000	100,000	100,000	967,000
<b>Total Cost</b>	<b>387,000</b>	<b>80,000</b>	<b>467,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>967,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	387,000	80,000	467,000	100,000	100,000	100,000	100,000	100,000	967,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>387,000</b>	<b>80,000</b>	<b>467,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>967,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

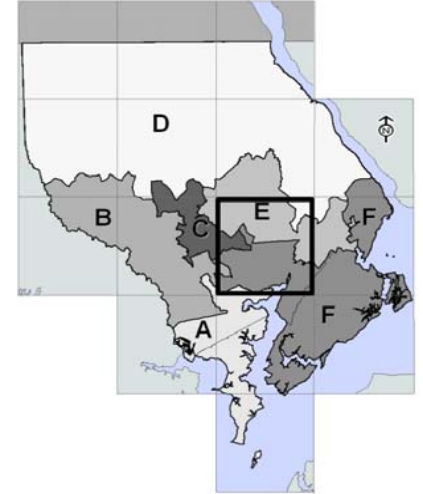
1/5/2017

Expended	350,833
Encumbered	2,200
<b>Total</b>	<b>\$353,033</b>

**PROJECT: Replacement of Water Booster Station SCADA****COUNCIL DISTRICT: MULTIPLE****LOCATION: Abingdon****WATER****W156492****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for a study to select the appropriate replacement system for Water Booster Station SCADA (Supervisory Control and Data Acquisition) system. The project will allow for the design and performance specifications to be developed and installation.

The existing SCADA equipment is obsolete and parts are not manufactured anymore and Siemens does not support the system equipment.

**PROJECT SCHEDULE:**

Scope 2014  
 Consultant Selection 2015  
 Design 2015/16  
 Construction 2018

**PROJECT STATUS:**

Design complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction		1,200,000	1,200,000						1,200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>300,000</b>	<b>1,200,000</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		1,200,000	1,200,000	0					1,200,000
R8750 Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>1,200,000</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	68,575
Encumbered	186,925
<b>Total</b>	<b>\$255,500</b>

**PROJECT: Safeguarding Business Operations****WATER****COUNCIL DISTRICT: MULTIPLE****LOCATION:** Countywide**O116716****PROJECT DESCRIPTION / JUSTIFICATION:**

To integrate and modernize enterprise software applications and architecture across the County. Projects will include Enterprise Resource Planning. Applications and Database modernization, consolidation and enhancement including Workflow, COBIT/ITIL standards initiatives, Mainframe Sunset provisions, DILP Automation, Disaster Recovery, EOC Integration and DPW/Transportation Vehicle Tracking Systems among others.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Additional request for Software WIMS and DoForms. WIMS is a data management software that can collect lab data, SCADA systems data, plant checksheet data; and distribute to Supervisors and W&S Administration. DoForms is a Service/Software for Tablets/PCs to create custom forms and upload the data to an information management program/SQL server.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,824,650	362,000	3,186,650	250,000	250,000	250,000			3,936,650
<b>Total Cost</b>	<b>2,824,650</b>	<b>362,000</b>	<b>3,186,650</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>3,936,650</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,824,650	362,000	3,186,650	250,000	250,000	250,000			3,936,650
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,824,650</b>	<b>362,000</b>	<b>3,186,650</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>3,936,650</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of

1/5/2017

Expended	2,173,130
Encumbered	93,474
<b>Total</b>	<b>\$2,266,604</b>

**PROJECT: Site Acquisition 17**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**WATER**

**W176710**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for the site acquisition of needed land for future development of water and sewer facilities to meet the demand of future growth inside the development envelope. This land is for tanks, booster stations, and also to protect the Perryman Well Field from degradation.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition	364,927	(364,927)	0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	364,927	(364,927)	0	0	0	0	0	0	0

**FUNDING SCHEDULE**

R7100 Prior Bonds	364,927	(364,927)	0						0
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	364,927	(364,927)	0	0	0	0	0	0	0

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Tollgate Road Water Main Parallel 15**

**COUNCIL DISTRICT: B**

**LOCATION: Tollgate Road near Country Walk**

**WATER**

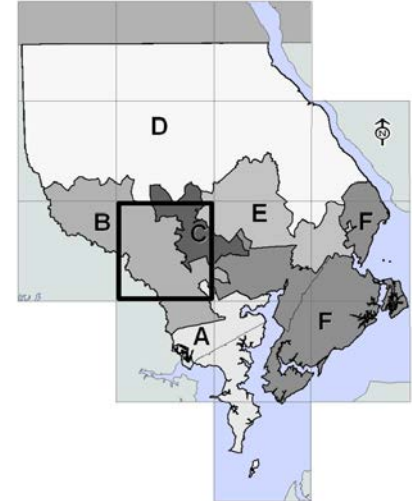
**W156701**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for the updated design and construction of approximately 3,100 linear feet of 24 inch water transmission main parallel from Wheel Road to just north of Belair South Parkway. This project is part of the conveyance system to get water to Bynum and Hickory II.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,292,227	(1,292,227)	0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,292,227	(1,292,227)	0	0	0	0	0	0	0

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,000,000	(1,000,000)	0						0
R7148 Reappropriated Prior Bonds	292,227	(292,227)	0						0
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
Total Funds	1,292,227	(1,292,227)	0	0	0	0	0	0	0

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$100,000

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
Total	\$0

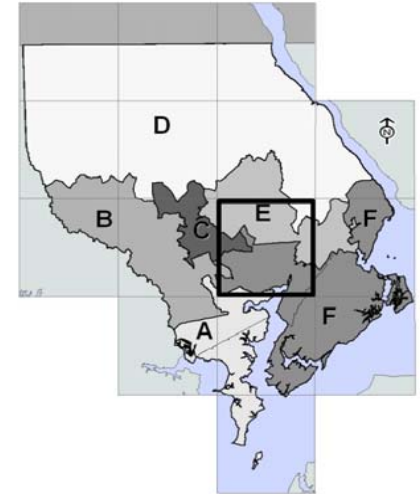
**PROJECT: US 40 and Rt. 159 SHA Water Relocation****WATER  
W166375****COUNCIL DISTRICT: MULTIPLE****LOCATION: Perryman****PROJECT DESCRIPTION / JUSTIFICATION:**

State Highways Administration (SHA) is currently under design of improvements to US Rt. 40 and Rt. 159 near the intersection of Rt. 7 and Rt. 40. The County has major water transmission mains that parallel both sides of Rt. 40 that are in conflict with the SHA improvements. The County lines are in SHA right of way by license permission only and when road improvements are required it is the responsibility of the County to pay for the water relocations. This project will allow for approximately 1,100 linear feet of 24" water transmission main reconstruction.

**PROJECT SCHEDULE:**

Design is ongoing

Construction is anticipated to begin in June, 2015

**PROJECT STATUS:**

Project rebid construction beginning fall 2016

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	2,600,000		2,600,000						2,600,000
Land Acquisition			0						0
Construction		1,200,000	1,200,000		0				1,200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,600,000</b>	<b>1,200,000</b>	<b>3,800,000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,800,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	2,600,000		2,600,000						2,600,000
R7000 Future Bonds		1,200,000	1,200,000		0				1,200,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,600,000</b>	<b>1,200,000</b>	<b>3,800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$260,000

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Water and Sewer Authority Study Establishment****WATER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****O146735****PROJECT DESCRIPTION / JUSTIFICATION:**

There are four phases to this project. Phase I will be the "Regional Water and Sewer Authority Formation". The Feasibility study will consist of seven tasks including researching challenges and providing solution options for consideration by the County and all participating municipalities. Phase II will be the "Develop Detailed Plan for Regional Authority Formation", and will develop an implementation plan for formation of the Authority. The plan will include Human Resources, Finance, Operation and Customer Service. Phases III and IV will be the "Transition to Regional Authority and First Year of Operations" and will relate to the actual formation of the Water and Sewer Authority.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Remaining Paygo of \$706,987 transfer to new project Perryman Water Treatment Plant Improvements at \$500,000 and to the Infrastructure Management System Enhancements capital project at \$206,987. This project will then be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 20120	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,000,000	(706,987)	293,013						293,013
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,000,000</b>	<b>(706,987)</b>	<b>293,013</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>293,013</b>

**FUNDING SCHEDULE**

R8750 Prior Paygo	(1,000,000)	(706,987)	(1,706,987)						(1,706,987)
R8750 Paygo	2,000,000		2,000,000						2,000,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,000,000</b>	<b>(706,987)</b>	<b>293,013</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>293,013</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	293,013
Encumbered	0
<b>Total</b>	<b><u>\$293,013</u></b>

**PROJECT: Water Zone Improvements****WATER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****W146660****PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the design, construction, and/or installation of water mains, controls, safety improvements, and equipment as needed within Harford County's water service area. This project is required to finance loops and/or upsizing within the system that benefit an entire service area, and otherwise cannot require the developer to build because the requirements go beyond that which are needed solely for the development.

**PROJECT SCHEDULE:**

Evergreen under construction summer 2015  
 Hickory Commercial 500 feet of 16 inch water  
 Chelsea to Johnson Lane loop closure

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		50,000	50,000	50,000		50,000		50,000	200,000
Land Acquisition			0						0
Construction	450,000	100,000	550,000	180,000		150,000		150,000	1,030,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>450,000</b>	<b>150,000</b>	<b>600,000</b>	<b>230,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>1,230,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	150,000	150,000	300,000	230,000		200,000		200,000	930,000
R8750 Prior Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>450,000</b>	<b>150,000</b>	<b>600,000</b>	<b>230,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>1,230,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/2017:**

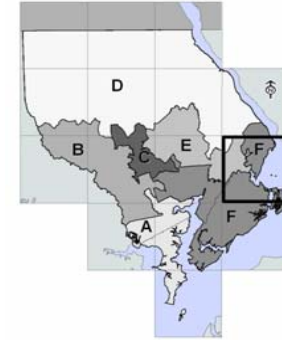
Expended	145,039
Encumbered	0
<b>Total</b>	<b>\$145,039</b>

# **OUTYEAR PROJECTS**

## **FY 19 - FY 23**

**PROJECT: Havre de Grace Water Treatment Plant Upgrade****WATER  
NEW****COUNCIL DISTRICT: F****LOCATION: Havre de Grace****PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall allow for the addition of the third treatment unit and various upgrades to the existing plant to replace the capacity of the system as HDG City buys their water supply capacity back within the terms of the 1980's agreement. In addition plant improvements are required throughout the plant due to technology and regulatory requirements, in addition to aging equipment.

**PROJECT SCHEDULE:**

FY 19 Study  
FY20 Design  
FY 21 Construction

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0	150,000	150,000				300,000
Land Acquisition			0						0
Construction			0			3,000,000			3,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>		<b>0</b>	<b>0</b>	<b>3,300,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0	150,000	150,000	3,000,000			3,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>3,000,000</b>	<b>0</b>	<b>0</b>	<b>3,300,000</b>

**OPERATING BUDGET IMPACT:**

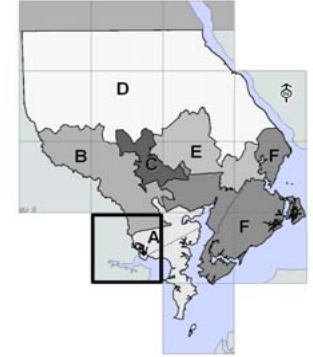
Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Oak Grove Booster Station****COUNCIL DISTRICT: MULTIPLE****LOCATION: Magnolia****WATER****NEW****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide for the County's portion of the construction of a new water booster station, that will allow for the abandonment of the existing Woodbridge water booster station. The developer of the Oak Grove/Stancill subdivision requires a booster station to service the new development. The County has agreed to contribute its share for the enlargement of the station so that it will also be able to service the existing Woodbridge subdivision, thereby allowing the County to eliminate the station.

**PROJECT SCHEDULE:**

FY 19 Design and Construction

**PROJECT STATUS:**

NEW

Developer Dependant

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0	30,000					30,000
Land Acquisition			0						0
Construction			0	300,000					300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>330,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0	330,000					330,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>330,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>330,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Renewal and Replacement Water Infrastructure****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****WATER****W126723****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for the design, evaluations, refurbishment, and/or replacement of major water mains, valves, vaults, hydrants, meters and apparatus that have or are nearing the end of their useful life. Projects will be identified through studies, rate of failure, age and/or material longevity expectation.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction	300,000		300,000	300,000	300,000	300,000	300,000	300,000	1,800,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>400,000</b>	<b>0</b>	<b>400,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>1,900,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	400,000		400,000	300,000	300,000	300,000	300,000	300,000	1,900,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>400,000</b>	<b>0</b>	<b>400,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>1,900,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17**

Expended	1,210
Encumbered	0
<b>Total</b>	<b>\$1,210</b>

**PROJECT: Tank Painting FY 17****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****WATER****W176668****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides the Division with the appropriation to paint and repair the existing 12 water storage tanks. All tanks require periodic renovations including cleaning, sandblasting, structural, safety repairs, and repainting to extend the life of the asset. A typical tank painting system will last 10 to 12 years.

**PROJECT SCHEDULE:**

Schedule changing due to Country Walk Tank Failure

FY 17 Bynum Tank

FY 18 Joppa Tank

FY 19 Otter Point Tank

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	800,000		800,000	800,000	800,000	800,000	800,000	800,000	4,800,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>800,000</b>		<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>4,800,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	800,000		800,000	800,000	800,000	800,000	800,000	800,000	4,800,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>800,000</b>	<b>0</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>4,800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Water Meter Upgrade**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**WATER**

**W136729**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall allow for the purchase and installation of replacement water meters and encoder, receiver, transmitter (ERT) to enable the meters to be read more efficiently by vehicle mounted radio systems. This project will convert the approximately 7,000 remaining older meters to provide for improved efficiency in terms of read time. This project will also provide for purchase and installation of new large commercial or interconnection meters that have reached the end of their useful life.

**PROJECT SCHEDULE:**

Estimated 7,000 upgrades needed  
6,100 completed with 900 to be done in FY 15  
Large meter evaluation FY 19  
Large meter replacement FY 20

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2012	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	270,000		270,000	250,000	250,000	250,000	250,000		1,270,000
Inspection Fees			0						0
Equipment/Furnishing	940,000		940,000						940,000
Total Cost	1,210,000	0	1,210,000	250,000	250,000	250,000	250,000	0	2,210,000

**FUNDING SCHEDULE**

R8750 Paygo	1,210,000		1,210,000	250,000	250,000	250,000	250,000		2,210,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,210,000	0	1,210,000	250,000	250,000	250,000	250,000	0	2,210,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,079,716
Encumbered	0
Total	<u>\$1,079,716</u>

**PROJECT: Water System Model Study****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****WATER****W176018****PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this project is to update the County's Water EPA NET Hydraulic and Water Quality Model, to evaluate lost water (water audit), to verify the water capital improvement plan, and stage water improvements required based on the census data, To evaluate the new sources of water being provided at APG - Aberdeen and Edgewood, Aberdeen City's Purchase water agreement, and Maryland American.

**PROJECT SCHEDULE:**

Prepare scope of service Fall 2016  
 Select Consultant Winter 2016  
 Complete Model Summer-Fall 2017

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	300,000		300,000	50,000	50,000	50,000	50,000	50,000	550,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>550,000</b>

**FUNDING SCHEDULE**

R8770 Reappropriated	300,000		300,000						300,000
R8750 Paygo			0	50,000	50,000	50,000	50,000	50,000	250,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>550,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

# **OPEN/ACTIVE PROJECTS**

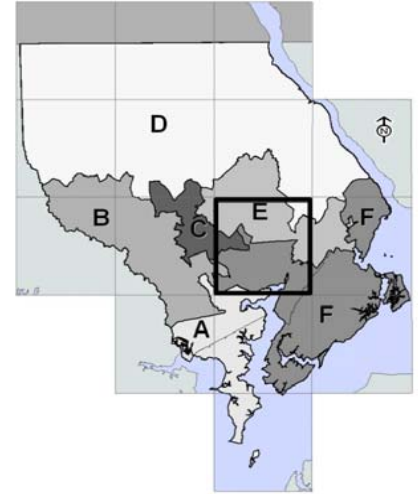
**PROJECT: Abingdon Road Water****COUNCIL DISTRICT: MULTIPLE****LOCATION: Abingdon****WATER****W086687****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for the design and construction, beginning just south of I-95, of approximately 800 linear feet of parallel 36"; and 2,260 linear feet of replacement 30" (to replace existing 12") to Rt. 7, and 4,435 linear feet of parallel 20" water transmission main from Rt. 7 to US Rt. 40. This project will provide the necessary initial transmission capacity of the expansion to the Abingdon Water Treatment Plant, in order to move water into Zone 1 towards Aberdeen and Edgewood.

**PROJECT SCHEDULE:**

Phase 1 Route 40 to Route 7 FY 18

Phase 2 Route 7 to I 95 FY19

**PROJECT STATUS:**

Design is complete and easement is acquired. Waiting for decision from APG on a water source and need to increase demand prior to going to construction.

Coordinating with Highways on building Phase 1 during Abingdon Bridge construction

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	250,000		250,000						250,000
Land Acquisition			0						0
Construction	8,050,000		8,050,000						8,050,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>8,300,000</b>	<b>0</b>	<b>8,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,300,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	8,300,000		8,300,000						8,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>8,300,000</b>	<b>0</b>	<b>8,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,300,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$832,543

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	271,540
Encumbered	22,785
<b>Total</b>	<b>\$294,325</b>

**PROJECT: Abingdon WTP Expansion****COUNCIL DISTRICT: F****LOCATION: Abingdon****WATER  
W066671****PROJECT DESCRIPTION / JUSTIFICATION:**

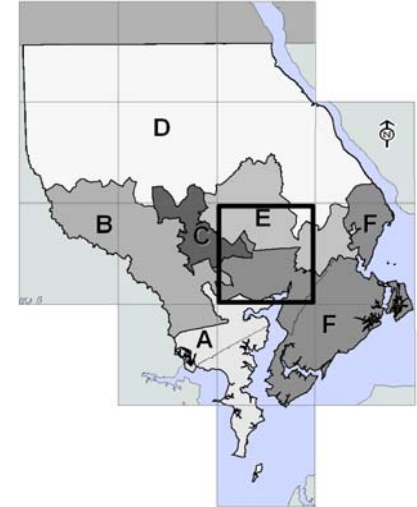
This project shall allow for the design and construction of the Abingdon Water Treatment Plant from its existing capacity to 20 mgd. This project shall also convert the chlorine gas disinfection to a low strength Hypo system, provide a standby generator and construct an approximately 25,000 square foot central Water and Sewer office building. This project shall also include the rehabilitation of the existing underdrain system of the existing 10 mgd plant so that the plant remains at an optimal 10 mgd.

**PROJECT SCHEDULE:**

Plant construction was completed - 2012.  
Administrative building completed - November, 2014

**PROJECT STATUS:**

Close out Administrative building

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	3,500,000		3,500,000						3,500,000
Land Acquisition			0						0
Construction	73,035,000		73,035,000						73,035,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>76,535,000</b>	<b>0</b>	<b>76,535,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76,535,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	76,532,460		76,532,460						76,532,460
R8089 Reappropriated Paygo	2,540		2,540						2,540
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>76,535,000</b>	<b>0</b>	<b>76,535,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76,535,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$5,849,534  
Annual Operating/Maintenance Cost: >\$100,000  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

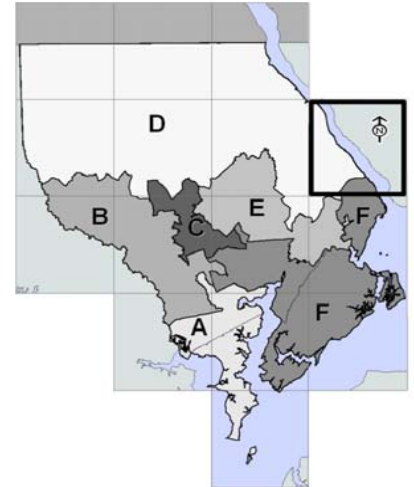
Expended	75,986,192
Encumbered	32,593
<b>Total</b>	<b>\$76,018,785</b>

**PROJECT: City of Baltimore - Deer Creek Pump Station and Valve Improvements****COUNCIL DISTRICT: D****LOCATION: Darlington****WATER****W126718****PROJECT DESCRIPTION / JUSTIFICATION:**

In accordance with the 1993 raw water purchase agreement between the County and the City of Baltimore (COB), this project appropriates funds for the County's share of the COB's capital improvement to the Deer Creek raw water pumping station and valve replacement on the 108 inch Susquehanna Aqueduct.

**PROJECT SCHEDULE:****PROJECT STATUS:**

The pump station is under construction, need schedule update from City

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	3,700,000		3,700,000						3,700,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,700,000</b>	<b>0</b>	<b>3,700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,700,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	3,700,000		3,700,000						3,700,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,700,000</b>	<b>0</b>	<b>3,700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$295,830

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	3,066,488
Encumbered	171,361
<b>Total</b>	<b><u>\$3,237,849</u></b>

**PROJECT: City of Baltimore Raw Water Supply**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**WATER**

**W126719**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is a capital connection charge for an increase in allocation for raw water purchased from the City of Baltimore (COB) for the Abingdon Water Treatment Plant. This project will provide funding for an additional 5 to 25 mgd once approved by the COB.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

The 5 mgd portion of this project was executed in September, 2012 by both parties. The City of Baltimore would now like to negotiate terms for the remaining increase to achieve 30 mgd withdrawal

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	3,300,000		3,300,000						3,300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	3,300,000	0	3,300,000	0	0	0	0	0	3,300,000

**FUNDING SCHEDULE**

R7100 Prior Bonds	3,300,000		3,300,000						3,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	3,300,000	0	3,300,000	0	0	0	0	0	3,300,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$308,142  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,212,892
Encumbered	42,884
Total	<u>\$1,255,776</u>

**PROJECT: Construction Unanticipated 12**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**WATER  
W126605**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this project is to establish an account to provide funding for Harford County's water mains affected by the relocation of State Highways projects. Until a determination has been made as to who is responsible for these costs, the County needs the flexibility to be able to pay for these unanticipated relocations.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	300,000		300,000						300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	300,000	0	300,000	0	0	0	0	0	300,000

**FUNDING SCHEDULE**

R8750 Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	300,000	0	300,000	0	0	0	0	0	300,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	231,147
Encumbered	68,577
Total	<u>\$299,724</u>

**PROJECT: Construction Unanticipated 15**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**WATER**

**W156605**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this project is to establish an account to provide funding for Harford County's water mains affected by the relocation of the State Highways projects. Until a determination has been made as to who is responsible for these costs, the County needs the flexibility to be able to pay for these unanticipated relocations.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction	160,000		160,000						160,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	460,000	0	460,000	0	0	0	0	0	460,000

**FUNDING SCHEDULE**

R8750 Paygo	460,000		460,000						460,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	460,000	0	460,000	0	0	0	0	0	460,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	96,846
Encumbered	160,963
Total	<u>\$257,809</u>

**PROJECT: Efficiency Capital Investment Projects****WATER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****O166009****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will identify and implement infrastructure projects at the Department of Public Works, Water and Sewer facilities annually. This will increase operational efficiency through reducing costs and the County's environmental footprint. This project will emphasize making facilities safe, secure, functional and efficient for the delivery of services to the constituents of Harford County.

**PROJECT SCHEDULE:**

FY16-FY17 - complete lighting retrofit at Sod Run.

**PROJECT STATUS:**

This project is ongoing.

MDE grants received in FY 16 And FY 17

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	180,000		180,000						180,000
Inspection Fees			0						0
Equipment/Furnishing	120,000		120,000						120,000
<b>Total Cost</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**FUNDING SCHEDULE**

R3399 State Other	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	107,500
Encumbered	75,000
<b>Total</b>	<b>\$182,500</b>

**PROJECT: HMAN (Harford County Metro Area Network)****WATER****COUNCIL DISTRICT: MULTIPLE****LOCATION:** Countywide**O136732****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to use advanced telecommunications infrastructure to increase access to the web and other computer utilities for citizens, businesses and governmental entities within Harford County. The HMAN (Harford County Metro Area Network) will allow the consolidation of existing disparate communication networks into a single secure high speed IP network providing internet; Ethernet and voice over IP; serve as Harford County's communications backbone for all current and future technologies; reduction of cost for Harford County government and its sister organizations' complete coverage of the County for internet access and increased bandwidth for both governmental and private sector entities. This new architecture creates a multi-service network that provides the government, public safety, education, health care, commercial and residential users a single infrastructure, with complete sovereignty and security, on an advanced consolidated core backbone.

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,220,000		1,220,000						1,220,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,220,000</b>	<b>0</b>	<b>1,220,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,220,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,220,000		1,220,000						1,220,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,220,000</b>	<b>0</b>	<b>1,220,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,220,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

1/5/2017

Expended 1,107,077

Encumbered 45,877

Total \$1,152,954

**PROJECT: Magnolia Booster Station****COUNCIL DISTRICT: A****LOCATION: Magnolia****WATER****W106709****PROJECT DESCRIPTION / JUSTIFICATION:**

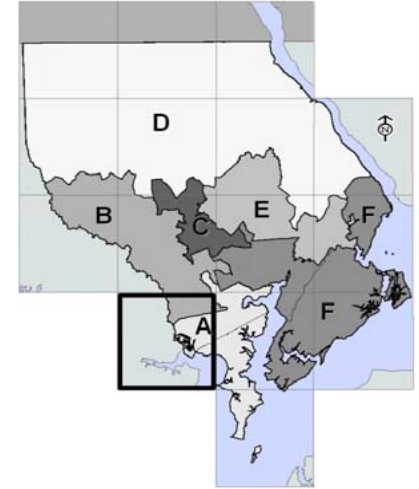
This project is to allow for the design and construction of a replacement of the existing hydro pneumatic tank to be housed aboveground within a new building, as well as to provide a replacement of the automatic telemetry system. This project will add a fire flow pump to the system for reliability in the service area.

The existing tank has reached the end of its useful life and needs replacement prior to rupture.

**PROJECT SCHEDULE:**

FY 17: Design

FY 18: Construction

**PROJECT STATUS:**

Preliminary design complete

30% design complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction	1,250,000		1,250,000						1,250,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,450,000</b>	<b>0</b>	<b>1,450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,450,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,450,000		1,450,000						1,450,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,450,000</b>	<b>0</b>	<b>1,450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,450,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$143,438

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	122,769
Encumbered	45,294
<b>Total</b>	<b>\$168,063</b>

**PROJECT: Site Acquisition 17**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**WATER**

**W176710**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for the site acquisition of needed land for future development of water and sewer facilities to meet the demand of future growth inside the development envelope. This land is for tanks, booster stations, and also to protect the Perryman Well Field from degradation.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition	364,927		364,927						364,927
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	364,927	0	364,927	0	0	0	0	0	364,927

**FUNDING SCHEDULE**

R7100 Prior Bonds	364,927		364,927						364,927
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	364,927	0	364,927	0	0	0	0	0	364,927

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of**

Expended	0
Encumbered	0
Total	<u>\$0</u>

**PROJECT: Tank Painting 12****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****WATER****W126668****PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides the Division with the appropriations to paint and repair existing tanks. All tanks require periodic renovations including cleaning, sandblasting, structural, and safety repairs, and repainting to extend the life of the asset. Currently there are 12 tanks in our system. A typical tank painting will last 10 to 12 years. The next three tanks in our system scheduled for painting are Abingdon, Fountain Green, and Magnolia.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	300,000		300,000						300,000
<b>Total Cost</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	120,823		120,823						120,823
R8089 Reappropriated Paygo	179,177		179,177						179,177
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	299,999
Encumbered	0
<b>Total</b>	<b>\$299,999</b>

**PROJECT: Tank Painting FY 14**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**WATER**

**W146668**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides the Division with the appropriation to paint and repair the existing 13 water storage tanks. All tanks require periodic renovations including cleaning, sandblasting, structural, safety repairs, and repainting to extend the life of the asset. A typical tank painting system will last 10 to 12 years.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	500,000		500,000						500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	500,000	0	500,000	0	0	0	0	0	500,000

**FUNDING SCHEDULE**

R8750 Paygo	500,000		500,000						500,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	500,000	0	500,000	0	0	0	0	0	500,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	499,693
Encumbered	0
Total	<u>\$499,693</u>

**PROJECT: Tank Painting FY 15**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**WATER**

**W156668**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides the Division with the appropriation to paint and repair the existing 13 water storage tanks. All tanks require periodic renovations including cleaning, sandblasting, structural, safety repairs, and repainting to extend the life of the asset. A typical tank painting system will last 10 to 12 years.

**PROJECT SCHEDULE:**

FY 14: Country Walk

FY 16: Fountain Green

FY 17: Bynum



**PROJECT STATUS:**

The tank painting schedule has shifted due to the Country Walk Tank failure

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	800,000		800,000						800,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	800,000	0	800,000	0	0	0	0	0	800,000

**FUNDING SCHEDULE**

R8750 Paygo	300,000		300,000						300,000
R8089 Reappropriated Paygo	500,000		500,000						500,000
			0						0
			0						0
			0						0
			0						0
Total Funds	800,000	0	800,000	0	0	0	0	0	800,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	481,461
Encumbered	44,332
Total	<u>\$525,793</u>

**PROJECT: Tank Painting FY 16**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**WATER**

**W166668**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides the Division with the appropriation to paint and repair the existing 13 water storage tanks. All tanks require periodic renovations including cleaning, sandblasting, structural, safety repairs, and repainting to extend the life of the asset. A typical tank painting system will last 10 to 12 years.

**PROJECT SCHEDULE:**

FY 17: Bynum

FY 18 Joppa Tank

FY 19 Otter Point Tank

**PROJECT STATUS:**

The Tank painting schedlue has shifted due to the Country Walk Tank failure



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	700,000		700,000						700,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	700,000	0	700,000	0	0	0	0	0	700,000

**FUNDING SCHEDULE**

R8750 Paygo	700,000		700,000						700,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	700,000	0	700,000	0	0	0	0	0	700,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
Total	\$0

**PROJECT: Underground and Aboveground Storage Tank Management****WATER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****O156002****PROJECT DESCRIPTION / JUSTIFICATION:**

The purpose of this capital project is for the inspection, design and construction to replace, repair and retrofit the various aboveground and underground storage tanks maintained by Harford County for improved safety and reliability.

**PROJECT SCHEDULE:**

FY15 - upgrade and repair identified in the annual SPCC (Spill Prevention, Control and Countermeasure) inspections

ALL YEARS - required inspections and any corresponding repairs and upgrades to maintain compliance with EPA and MDE regulations

**PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	5,000		5,000						5,000
Land Acquisition									0
Construction	15,000		15,000						15,000
Inspection Fees									0
Equipment/Furnishing	30,000		30,000						30,000
<b>Total Cost</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	50,000		50,000						50,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	3,425
Encumbered	0
<b>Total</b>	<b>\$3,425</b>

**PROJECT: Water and Sewer Billing Project****WATER  
O156007****COUNCIL DISTRICT: MULTIPLE****LOCATION: Countywide****PROJECT DESCRIPTION / JUSTIFICATION:**

This capital project is to procure and implement a replacement Water and Sewer Utility Billing System. The current billing system is over 30 years old and is based on a previous legacy software system. Because of the expense, maintenance efforts and potential risk of business interruption associated with this technology a replacement application is required. The current system receives revenues of approximately \$27 million annually. Any future general system failure would result in not properly collecting the revenues in a timely manner. A new replacement system would have enhancements that would improve the business process of collecting revenue and improving customer service to over 43,600 water and sewer customers.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,500,000		1,500,000						1,500,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,500,000</b>	<b>0</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,500,000		1,500,000						1,500,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,500,000</b>	<b>0</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>



**Abingdon Water Treatment Plant**

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2018	FY 2019	FIVE YEAR CAPITAL PROGRAM			
					FY 2020	FY 2021	FY 2022	FY 2023
<b>SEWER PROJECTS</b>								
<b><u>FY 18 Funded Projects:</u></b>								
Bio Solids Facilities Enhancements	12,900,000	900,000	4,000,000	4,000,000	0	0	4,000,000	0
Brentwood Park Pumping Station Improvements	475,000	0	200,000	275,000	0	0	0	0
Bynum Ridge Replacement Sewer	800,000	240,000	560,000	0	0	0	0	0
Delta WWTP Plant Upgrades	225,000	0	200,000	25,000	0	0	0	0
Edgewood Interceptor Sewer Parallel	9,500,000	500,000	150,000	0	0	0	3,600,000	5,250,000
Inventory Storage and Control Improvements	5,635,000	0	85,000	300,000	3,200,000	2,050,000	0	0
Lower Bynum Run Interceptor Phase 6 & 7	18,120,324	9,463,170	2,657,154	0	2,500,000	3,500,000	0	0
Pumping Station Improvements	1,065,000	0	65,000	200,000	200,000	200,000	200,000	200,000
Ring Factory PS and Fairwind Fams Abandonment	1,465,000	1,360,000	105,000	0	0	0	0	0
Sod Run WWTP Ultraviolet Disinfection Project	2,700,000	0	200,000	2,500,000	0	0	0	0
Utility Protection/Restoration	1,700,000	500,000	200,000	200,000	200,000	200,000	200,000	200,000
<b><u>Outyear Projects</u></b>								
Bill Bass PS FM Replacement	11,200,384	900,384	0	4,100,000	0	0	6,200,000	0
Infiltration and Inflow	650,000	350,000	0	100,000	0	100,000	0	100,000
Renewal and Replacement Sewer Infrastructure	2,000,000	800,000	0	300,000	300,000	300,000	300,000	0
Sod Run Facility Improvements	7,400,000	3,100,000	0	1,300,000	1,000,000	700,000	1,000,000	300,000
<b><u>Open Projects:</u></b>								
Bush Creek Pump Station	28,400,000	28,400,000	0	0	0	0	0	0
ENR Refinement at Sod Run	57,500,000	57,500,000	0	0	0	0	0	0
Fallston Sanitation Sub-District Sewer Capacity Study	300,000	300,000	0	0	0	0	0	0
Green Ridge Pump Station Replacement	1,500,000	1,500,000	0	0	0	0	0	0
Harford WWTP Facility Improvements	885,000	885,000	0	0	0	0	0	0
Joppatowne Pump Station No. 47	4,050,000	4,050,000	0	0	0	0	0	0
Lower Bynum Run	9,640,000	9,640,000	0	0	0	0	0	0
Oaklyn Manor/Joppa Area Sewer Relief	1,950,300	1,950,300	0	0	0	0	0	0
Town Center Drive Pump Station Replacement	350,000	350,000	0	0	0	0	0	0
<b>Sewer Total by Project</b>	<b>180,411,008</b>	<b>122,688,854</b>	<b>8,422,154</b>	<b>13,300,000</b>	<b>7,400,000</b>	<b>7,050,000</b>	<b>15,500,000</b>	<b>6,050,000</b>
Paygo	20,606,450	7,141,450	1,615,000	3,900,000	3,900,000	2,850,000	700,000	500,000
Prior Paygo	300,000	300,000	0	0	0	0	0	0
Future Bonds	42,600,000	0	5,150,000	9,400,000	3,500,000	4,200,000	14,800,000	5,550,000
Prior Bonds		66,236,350	1,657,154	0	0	0	0	0
Reappropriated	1,083,736	1,083,736	0	0	0	0	0	0
State	46,400,000	46,400,000	0	0	0	0	0	0
Federal	1,250,300	1,250,300	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Developer	277,018	277,018	0	0	0	0	0	0
<b>Sewer Total by Fund</b>	<b>180,411,008</b>	<b>122,688,854</b>	<b>8,422,154</b>	<b>13,300,000</b>	<b>7,400,000</b>	<b>7,050,000</b>	<b>15,500,000</b>	<b>6,050,000</b>

FY 18 APPROVED CAPITAL BUDGET													
PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER

WATER & SEWER FUND

SEWER PROJECTS

Bio Solids Facilities Enhancements	4,000,000	0	0	0	4,000,000	0	0	0	0	0	0	0	0
Brentwood Park Pumping Station Improvements	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Bynum Ridge Replacement Sewer	560,000	0	560,000	0	0	0	0	0	0	0	0	0	0
Delta WWTP Plant Upgrades	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Edgewood Interceptor Sewer Parallel	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Inventory Storage and Control Improvements	85,000	0	85,000	0	0	0	0	0	0	0	0	0	0
Lower Bynum Run Interceptor Phase 6&7	2,657,154	0	0	1,657,154	1,000,000	0	0	0	0	0	0	0	0
Pumping Station Improvements 17	65,000	0	65,000	0	0	0	0	0	0	0	0	0	0
Ring Factory PS and Fairwind Farms Abandonment	105,000	0	105,000	0	0	0	0	0	0	0	0	0	0
Sod Run WWTP Ultraviolet Disinfection Project	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Utility Protection/Restoration	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL SEWER PROJECTS</b>	<b>8,422,154</b>	<b>0</b>	<b>1,615,000</b>	<b>1,657,154</b>	<b>5,150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT: Bio Solids Facilities Enhancements****SEWER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****S176019****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to fund the enhancements to our bio solids treatment facilities and bio solids recycling/disposal program. Biosolids (processed residuals from the treatment of domestic wastewater) contain nutrients and other qualities that improve soils and make them highly desirable to many area farmers within Harford County and elsewhere in MD. However, nutrient controls being imposed by the State Department of Agriculture and MDE to help protect the Chesapeake Bay are dramatically affecting the ability to recycle these materials. Reduced application rates and time of year restrictions will create a significant impact to our program. A study was initiated in 2013 to investigate and evaluate cost effective, environmentally sound and socially acceptable alternatives for our bio solids program. The study recommended advances to our solids treatment train, nutrient recovery, enhanced drying dewatering, storage, beneficial utilization and optimization of biogas, and beneficial reuse of the dried biosolids.

**PROJECT SCHEDULE:**

FY 17 Design

FY 18 &amp; FY 19 Construction

**PROJECT STATUS:**

Study Complete

Design Proposals Fall of 2017

Design Complete Fall of 2018

Construction Beginning Fall of 2018 into 2019

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	900,000	225,000	1,125,000	225,000			4,000,000		5,350,000
Land Acquisition			0						0
Construction		3,500,000	3,500,000	3,500,000					7,000,000
Inspection Fees		275,000	275,000	275,000					550,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>900,000</b>	<b>4,000,000</b>	<b>4,900,000</b>	<b>4,000,000</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>	<b>0</b>	<b>12,900,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds	0	4,000,000	4,000,000	4,000,000	0		4,000,000		12,000,000
R8750 Prior Paygo	200,000		200,000						200,000
R7100 Prior Bonds	700,000		700,000						700,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>900,000</b>	<b>4,000,000</b>	<b>4,900,000</b>	<b>4,000,000</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>	<b>0</b>	<b>12,900,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Brentwood Park Pumping Station Improvements****SEWER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall allow for the study, design and construction of improvements to the Brentwood Park Sewage Pumping Station. The station is 30 years old. The upgrades would include improving access to the underground station, increasing the size of the pumps, motors and electrical controls to accommodate the future flows to impact our utilities.

**PROJECT SCHEDULE:**

Design - Summer thru Fall of 2018

Construction in 2019

**PROJECT STATUS:**

This project is new.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		100,000	100,000	25,000					125,000
Land Acquisition			0						0
Construction		100,000	100,000	250,000					350,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>275,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>475,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		200,000	200,000	275,000					475,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>275,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>475,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

Expended

Encumbered

Total \$0

**PROJECT: Bynum Ridge Replacement Sewer****SEWER****COUNCIL DISTRICT: D****LOCATION: Rock Spring****S156010****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is located in the Bynum Ridge subdivision adjacent to Bowles Terrace and consists of two phases. This project will cover the County's 60% reimbursement portion for Phase I and 100% surcharge portion for Phase II for replacement of the existing line.  
The cost of the project for increase in capacity is the Developer's responsibility and is in accordance with the Rules and Regulations.

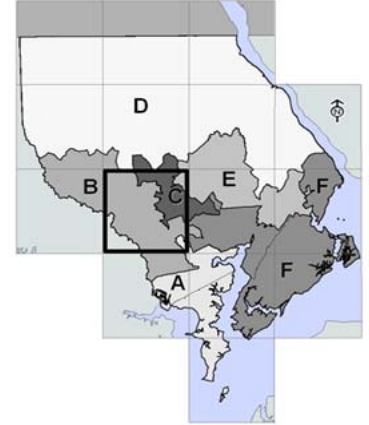
Phase 1 - consists of approximately 835' of 15 inch sewer which replaces the 12 inch sewer between lots 16 to 20 and 28 to 33, built under contract 6010

Phase 2 - consists of approximately 795' of 15 inch sewer which replaces the 12 inch sewer between lots 13 to 16 and 20 to 27, built under contract 6010

**PROJECT SCHEDULE:**

ROW and Design Underway

construction of both phases spring of 2017

**PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	40,000		40,000						40,000
Land Acquisition			0						0
Construction	200,000	560,000	760,000						760,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>240,000</b>	<b>560,000</b>	<b>800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	240,000	560,000	800,000						800,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>240,000</b>	<b>560,000</b>	<b>800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 1/5/17:

Expended	3,334
Encumbered	0
<b>Total</b>	<b>\$3,334</b>

**PROJECT: Delta WWTP Plant Upgrades****SEWER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Delta, PA****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for upgrades to the Delta WWTP. The plant was built 20 years ago and is in need of upgrades to the aeration piping system, the influent screens, flow metering system, chemical feed systems, and other mechanical improvements. Harford County owns half of the plant capacity to service the Whiteford/Cardiff sewer district. The upgrades are being undertaken by the Delta Sewer authority. Contractually Harford County participates based on the County percentage of flow treated which is approximately 50% to impact our utilities.

**PROJECT SCHEDULE:**

The improvements are scheduled for Summer to Fall of 2017.

**PROJECT STATUS:**

The project scope is currently being finalized by the Delta Authority Engineer.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		200,000	200,000	25,000					225,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>225,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		200,000	200,000	25,000					225,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>225,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

Expended

Encumbered

Total \$0

**PROJECT: Edgewood Interceptor Sewer Parallel****SEWER****COUNCIL DISTRICT: A****LOCATION: Edgewood****S106712****PROJECT DESCRIPTION / JUSTIFICATION:**

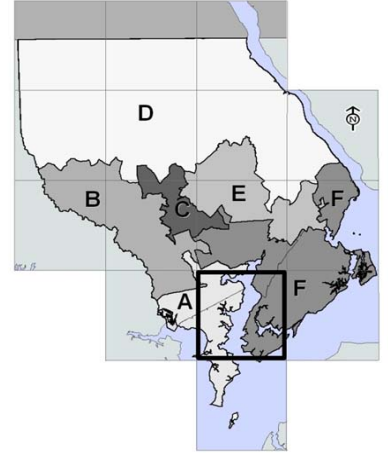
This project shall allow for the design and construction of approximately 9,000 linear feet of 36 inch parallel sewer between Bill Bass Pump Station and contract #6044 ( Winter's Run Outfall sewer).

**PROJECT SCHEDULE:**

Final Design FY 18 & FY 19  
 Land Acquisition FY 19  
 Construction FY 20

**PROJECT STATUS:**

Preliminary design complete  
 Alternative alignments needed to be evaluated

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	400,000	150,000	550,000						550,000
Land Acquisition	100,000		100,000						100,000
Construction			0				3,100,000	5,000,000	8,100,000
Inspection Fees			0				500,000	250,000	750,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>500,000</b>	<b>150,000</b>	<b>650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,600,000</b>	<b>5,250,000</b>	<b>9,500,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	500,000		500,000						500,000
R7000 Future Bonds		150,000	150,000				3,600,000	5,250,000	9,000,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>500,000</b>	<b>150,000</b>	<b>650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,600,000</b>	<b>5,250,000</b>	<b>9,500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$47,074  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	155,631
Encumbered	311,488
<b>Total</b>	<b>\$467,119</b>

**PROJECT: Inventory Storage and Control Improvements****SEWER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Sod Run WWTP & Abingdon WWTP****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is the study, design and construction of improvements to the Division of Water and Sewer's inventory control systems in the Bureau of Operations. The Bureau of Operations is responsible for over 80 facilities including pumping stations and treatment plants. The Bureau's inventory system and storage facilities have not been improved since 1995. Meanwhile, the Division's plants have all gone through multiple expansions and upgrades leaving the storage of spare parts and inventory control systems inadequate. This project will improve current building storage capabilities as well as design and construct new storage structures. The goal to improve functionality, security, efficiency and customer service of the central store rooms. This project is a multi-year plan that will address the needs at both the Sod Run WWTP and the Abingdon WTP and merge the facilities with the County's City-Works applications.

**PROJECT SCHEDULE:**

Study/Design Summer through Fall of 2018

Construction in 2019 through 2020

**PROJECT STATUS:**

This is a new project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		85,000	85,000	300,000	200,000	50,000			635,000
Land Acquisition			0						0
Construction			0		3,000,000	2,000,000			5,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>85,000</b>	<b>85,000</b>	<b>300,000</b>	<b>3,200,000</b>	<b>2,050,000</b>	<b>0</b>	<b>0</b>	<b>5,635,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		85,000	85,000	300,000	3,200,000	2,050,000			5,635,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>85,000</b>	<b>85,000</b>	<b>300,000</b>	<b>3,200,000</b>	<b>2,050,000</b>	<b>0</b>	<b>0</b>	<b>5,635,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

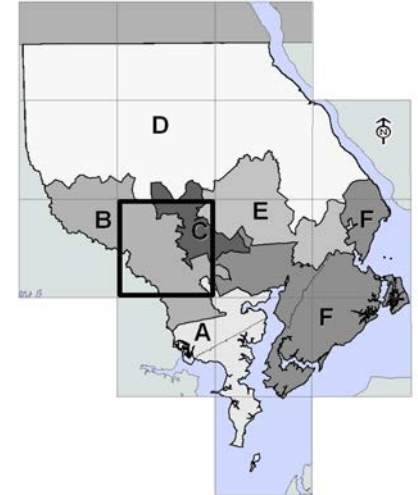
Expended

Encumbered

Total \$0

**PROJECT: Lower Bynum Run Interceptor Phase 6&7****SEWER****COUNCIL DISTRICT: C****LOCATION: Emmorton****S096703****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide for the funding of design, permits, and construction of a parallel to the existing Bynum Run interceptor, from Wheel Road to the Plumtree Interceptor, near MacPhail. This project consists of two phases. Phase 6 is approximately 5,200 LF from GIS Asset ID manhole #104091 and traverse from Wheel Road to Patterson Mill Road. Phase 7 is approximately 6,400 LF from GIS Asset ID manhole #104091 to manhole #104200 and runs from near Patterson Mill Road to MacPhail Road. This project is required to ensure capacity for new connections in the Development Envelope surrounding Bel Air and to help avoid sanitary sewer overflows.

**PROJECT SCHEDULE:**

FY 10-12 Alignment study  
 FY 12 - 13 Design Phase 7  
 FY 14 Final condemnation for easement  
 8/19 Final easement cleared  
 FY16-FY17-FY 18 Construction Phase 7  
 Design Phase 6 FY 20

**PROJECT STATUS:**

Phase 7 Currently under construction

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,370,000		1,370,000		500,000				1,870,000
Land Acquisition			0						0
Construction	8,093,170	2,657,154	10,750,324		2,000,000	3,500,000			16,250,324
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>9,463,170</b>	<b>2,657,154</b>	<b>12,120,324</b>	<b>0</b>	<b>2,500,000</b>	<b>3,500,000</b>	<b>0</b>	<b>0</b>	<b>18,120,324</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	8,990,000	1,657,154	10,647,154						10,647,154
R7000 Future Bonds	0	1,000,000	1,000,000		2,500,000	3,500,000			7,000,000
R8089 Reappropriated Paygo	473,170		473,170						473,170
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>9,463,170</b>	<b>2,657,154</b>	<b>12,120,324</b>	<b>0</b>	<b>2,500,000</b>	<b>3,500,000</b>	<b>0</b>	<b>0</b>	<b>18,120,324</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$835,535  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,811,235
Encumbered	6,817,004
<b>Total</b>	<b>\$8,628,239</b>

**PROJECT: Pumping Station Improvements****SEWER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****New****PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall allow for the study, design and construction of improvements to pumping stations in the County service area that are reaching their design life and require improvements beyond what is typical maintenance of minor replacement of parts. The improvements would include but not be limited to pump replacement, motor replacement, motor control upgrades to meet new electrical code requirements, and access improvements for safety concerns.

**PROJECT SCHEDULE:**

Design - Summer through Fall of 2018

Construction in 2019

**PROJECT STATUS:**

This project is new.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		65,000	65,000	50,000	50,000	50,000	50,000	50,000	315,000
Land Acquisition			0						0
Construction			0	150,000	150,000	150,000	150,000	150,000	750,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>65,000</b>	<b>65,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>1,065,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		65,000	65,000	200,000	200,000	200,000	200,000	200,000	1,065,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>65,000</b>	<b>65,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>1,065,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

Expended

Encumbered

Total \$0

**PROJECT: Ring Factory PS and Fairwind Farms Abandonment****COUNCIL DISTRICT: C****LOCATION: Bel Air****SEWER****S152968****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide for the County's share of the construction of the new Ring Factory Sewer pump station that is being built by the developer of Magness Overlook subdivision and will allow for the eventual abandonment of the existing County-owned Fairwind Farms Sewage Pumping Station. The County's share of the cost will be for the increased size of the Ring Factory Station in accordance with the adopted policy in the County's W&S Rules and Regulations. In addition this project provides funds for the construction of a portion of the gravity sewer from the terminus of the Apple Tree Orchard gravity sewer to the Fairwind Farms SPS, approximately 620 feet of 8 inch sewer and provides for the funds to abandon the Fairwind Farms SPS.

Also this project will pay for the County's portion of the construction of the Maybills Overlook Offsite Gravity sewer

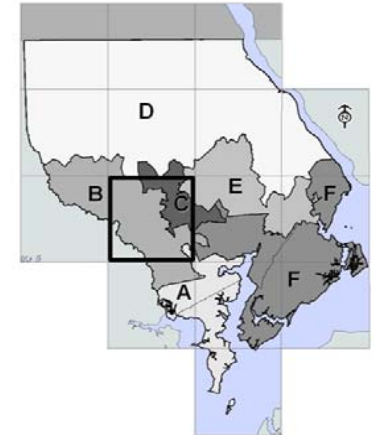
**PROJECT SCHEDULE:**

Ring Factory PS completed 9/2015

Appletree offsite sewer extensions 2016

Gravity Sewer extension from Appletree Offsite Sewer to Fairwind Farms SPS Spring 2016

County Abandonment 2017-2018

**PROJECT STATUS:**

Ring Factory PS completed 9/15

Appletree Orchard preparing design plans

Fairwind Farms Abandonment Design 2017

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0						0
Construction	1,210,000	105,000	1,315,000						1,315,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,360,000</b>	<b>105,000</b>	<b>1,465,000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,465,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,360,000	105,000	1,465,000						1,465,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,360,000</b>	<b>105,000</b>	<b>1,465,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,465,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,106,610
Encumbered	0
<b>Total</b>	<b>\$1,106,610</b>

**PROJECT: Sod Run WWTP Ultraviolet Disinfection Project****SEWER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Water and Sewer****NEW****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is the design and construction of the Sod Run WWTP Ultraviolet Disinfection System. This project will replace the existing chlorine and sulfur dioxide disinfection systems with an ultraviolet light (UV) system. This project will improve the safety of the County's employees and the surrounding area by eliminating the handling of 1 ton chlorine and sulfur dioxide cylinder at the Sod Run WWTP. It will be both a safety improvement as well as a cost effective change in how disinfection is performed on the wastewater discharged to the Bush River.

**PROJECT SCHEDULE:**

Design in FY 18

Construction in FY 19

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design		200,000	200,000						200,000
Land Acquisition			0						0
Construction			0	2,500,000					2,500,000
Inspection Fees			0						0
Equipment/Furnishing		0	0						0
<b>Total Cost</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>2,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,700,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		200,000	200,000	2,500,000					2,700,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>2,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,700,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</b>

**PROJECT: Utility Protection/Restoration**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**SEWER**

**S086698**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall allow for the study, design, and construction of stream protection where the streams are impacting or threatening to impact our utilities.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project is under design.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	250,000	100,000	350,000	100,000	100,000	100,000	100,000	100,000	850,000
Land Acquisition			0						0
Construction	250,000	100,000	350,000	100,000	100,000	100,000	100,000	100,000	850,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	500,000	200,000	700,000	200,000	200,000	200,000	200,000	200,000	1,700,000

**FUNDING SCHEDULE**

R8750 Paygo	500,000	200,000	700,000	200,000	200,000	200,000	200,000	200,000	1,700,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	500,000	200,000	700,000	200,000	200,000	200,000	200,000	200,000	1,700,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	215,880
Encumbered	0
Total	<u>\$215,880</u>

# **OUTYEAR PROJECTS**

## **FY 19 - FY 23**

**PROJECT: Bill Bass PS FM Replacement****SEWER****COUNCIL DISTRICT: A****LOCATION: Edgewood****S136730****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for the funding of design and construction of a new replacement force main (installed in 1969) to the Bill Bass Pump Station. By adding a larger force main, the pump station's capacity can be increased from 15.4 MGD to over 18 MGD. During the design, the existing FM will be looked at to consider a rehabilitation of the existing line in case of an emergency. The existing FM is 10,500 of 24 inch main of which 3,800 LF is a river crossing.

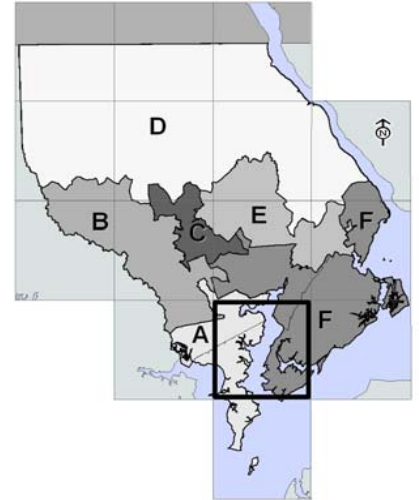
**PROJECT SCHEDULE:**

Design in FY 17

Construction in FY 18 &amp; FY 19

**PROJECT STATUS:**

Project in Preliminary Design Phase

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	700,384		700,384						700,384
Land Acquisition	200,000		200,000						200,000
Construction			0	4,000,000			6,000,000		10,000,000
Inspection Fees			0	100,000			200,000		300,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>900,384</b>	<b>0</b>	<b>900,384</b>	<b>4,100,000</b>	<b>0</b>	<b>0</b>	<b>6,200,000</b>	<b>0</b>	<b>11,200,384</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	790,102		790,102						790,102
R8770 Reappropriated	110,282		110,282						110,282
R7000 Future Bonds			0	4,100,000	0		6,200,000		10,300,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>900,384</b>	<b>0</b>	<b>900,384</b>	<b>4,100,000</b>	<b>0</b>	<b>0</b>	<b>6,200,000</b>	<b>0</b>	<b>11,200,384</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$24,500

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	203,143
Encumbered	497,210
<b>Total</b>	<b>\$700,353</b>

**PROJECT: Infiltration and Inflow**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**SEWER**

**S106714**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to identify and locate major sources of infiltration and inflow in the county's majors interceptor sewers and execute projects for rehabilitation.

Projects shall consist of studies, designs, sewer system modeling, modeling software upgrades and modeling technical support ,smoke testing, flow metering and televising sewer lines as well as executing small contracts grouting ,sliplining sewers or sewer repair.

This will be for areas outside the Bynum Run

**PROJECT SCHEDULE:**

Modeling updates and studies are planned for FY17



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0						0
Construction	200,000		200,000	100,000		100,000		100,000	500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	350,000	0	350,000	100,000	0	100,000	0	100,000	650,000

**FUNDING SCHEDULE**

R8750 Paygo	291,450		291,450	100,000		100,000		100,000	591,450
R8089 Reappropriated Paygo	58,550		58,550						58,550
			0						0
			0						0
			0						0
			0						0
Total Funds	350,000	0	350,000	100,000	0	100,000	0	100,000	650,000

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	151,398
Encumbered	6,366
Total	<u>\$157,764</u>

**PROJECT: Renewal and Replacement Sewer Infrastructure****SEWER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****S126726****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for design and construction to refurbish or replace major sewer mains, manholes, vaults, and apparatus that have reached or are nearing the end of their useful life.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project is ongoing and is used as required when advanced deterioration of piping system is discovered through various field investigations.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	800,000		800,000	300,000	300,000	300,000	300,000		2,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>800,000</b>	<b>0</b>	<b>800,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>2,000,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	400,000		400,000	300,000	300,000	300,000	300,000		1,600,000
R8089 Reappropriated Paygo	400,000		400,000						400,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>800,000</b>	<b>0</b>	<b>800,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>2,000,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	115,464
Encumbered	0
<b>Total</b>	<b>\$115,464</b>

**PROJECT: Sod Run Facility Improvements****SEWER****COUNCIL DISTRICT: F****LOCATION: Perryman****S126724****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide for studies, design, and construction of improvements to various tanks, vaults, buildings, electrical systems, and instrumentation process equipment which is approaching the end of its useful life. It will also allow for the implementation of an Asset Management Program to organize and optimize a comprehensive work order, inventory, and schedule timely and efficient maintenance projects. Projects undertaken will extend the useful life of the asset by 10 to 20 years.

**PROJECT SCHEDULE:**

FY12 Longevity study completed

FY14 Hydraulic, Grit and Scum Study procured, HVAC and Roof improvements completed

FY15 Hydraulic, Grit, Scum and Concrete study completed. Phase 1 Concrete Improvements begin implementation. Bio - Solids Study Procured

FY 17 Methanol Tank design &amp; improvements

FY 19 Effluent Flow metering improvements

**PROJECT STATUS:**

Bio Solids Study 100 % complete , Grit &amp; Hydraulics Study 100% complete, Grease Study 100% Complete

Concrete Phase 1 bidding fall 2016

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	350,000		350,000	200,000	250,000	150,000	150,000	150,000	1,250,000
Land Acquisition			0						0
Construction	2,750,000		2,750,000	1,100,000	750,000	550,000	850,000	150,000	6,150,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,100,000</b>	<b>0</b>	<b>3,100,000</b>	<b>1,300,000</b>	<b>1,000,000</b>	<b>700,000</b>	<b>1,000,000</b>	<b>300,000</b>	<b>7,400,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,700,000		1,700,000						1,700,000
R7100 Prior Bonds	1,600,000		1,600,000						1,600,000
R7000 Future Bonds			0	1,300,000	1,000,000	700,000	1,000,000	300,000	4,300,000
R8750 Prior Paygo	(200,000)		(200,000)						(200,000)
			0						0
			0						0
<b>Total Funds</b>	<b>3,100,000</b>	<b>0</b>	<b>3,100,000</b>	<b>1,300,000</b>	<b>1,000,000</b>	<b>700,000</b>	<b>1,000,000</b>	<b>300,000</b>	<b>7,400,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$163,901

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

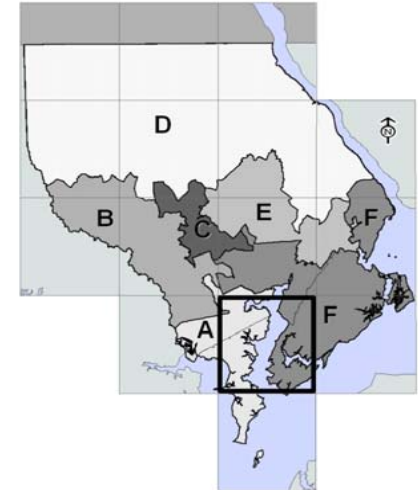
**Financial Activity as of 1/5/17:**

Expended	1,284,994
Encumbered	16,118
<b>Total</b>	<b>\$1,301,112</b>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Bush Creek Pump Station****COUNCIL DISTRICT: A****LOCATION: Abingdon****SEWER****S086692****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is needed to bring the existing Bush Creek Pump Station up to a safe pumping capacity of 28 mgd and also to replace the 1968 force main under the Bush River. This project is required in order to safely deliver the current and projected wastewater flow to the Bynum Run drainage area. In addition, this project must construct part of the Sod Run Interceptor II and new gravity main through River Colony in Perryman.

**PROJECT SCHEDULE:**

FY 12: Pump station complete

FY 14 - FY 15: Construction of force main and gravity sewer

FY 17: Rehabilitation to existing force main

**PROJECT STATUS:**

Gravity sewer and force main construction complete

Rehabilitation phase construction starting Fall of 2016

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	1,983,283		1,983,283						1,983,283
Land Acquisition			0						0
Construction	26,416,717		26,416,717						26,416,717
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>28,400,000</b>	<b>0</b>	<b>28,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28,400,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,900,000		1,900,000						1,900,000
R7100 Prior Bonds	26,500,000		26,500,000						26,500,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>28,400,000</b>	<b>0</b>	<b>28,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28,400,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$2,532,141

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

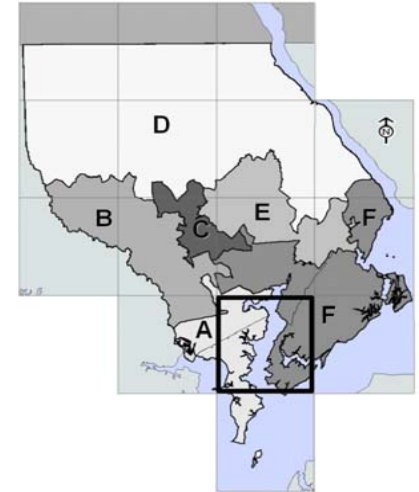
Expended	23,913,404
Encumbered	1,529,917
<b>Total</b>	<b>\$25,443,321</b>

**PROJECT: ENR Refinement at Sod Run****COUNCIL DISTRICT: F****LOCATION: Perryman****SEWER****S076637****PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to provide for a detailed feasibility study, design, and construction to meet State and Federal TMDL requirements for nutrient reductions in the Chesapeake Bay. The upgrade of wastewater treatment plants is called Enhanced Nutrient Removal (ENR) and will reduce total nitrogen and total phosphorus concentration to 3 mg/l and 0.3 mg/l respectively. This project must be accomplished in order to comply with the Chesapeake Bay initiative and Harford County's NPDES discharge permit. Approximately 80% of the cost of this project is expected to be funded by a grant from the Bay Restoration Fund administered by the Maryland Department of the Environment.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2017 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design	6,250,000		6,250,000						6,250,000
Land Acquisition			0						0
Construction	51,250,000		51,250,000						51,250,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>57,500,000</b>	<b>0</b>	<b>57,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57,500,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	11,100,000		11,100,000						11,100,000
R3399 State Other	46,400,000		46,400,000						46,400,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>57,500,000</b>	<b>0</b>	<b>57,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57,500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$993,955  
 Annual Operating/Maintenance Cost: >\$500,000  
 New Positions (FTE's): 3-6

**Financial Activity as of 1/5/17:**

Expended	44,607,691
Encumbered	0
<b>Total</b>	<b>\$44,607,691</b>

**PROJECT: Fallston Sanitation Sub-District Sewer Capacity Study****SEWER****COUNCIL DISTRICT: B****LOCATION: Fallston****S176021****PROJECT DESCRIPTION / JUSTIFICATION:**

This project includes a comprehensive engineering study of the capacity of the existing and potentially expanded Fallston Sanitary Sub-District (SSD) sewer service area. The study will include identifying the system improvements that would be needed to potentially expand the service area considering different alternatives, providing project cost estimates, and evaluating funding and payment options for the properties benefited by the expanded service area.

**PROJECT SCHEDULE:**

Award Complete

Estimated completion - June 2017

**PROJECT STATUS:**

Project awarded Septemeber 2016 Kick off in Oct 2016

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**FUNDING SCHEDULE**

R8750 Prior Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

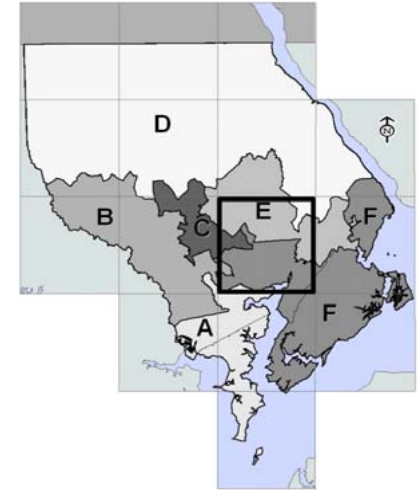
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	3,061
Encumbered	198,909
<b>Total</b>	<b>\$201,970</b>

**PROJECT: Green Ridge Pump Station Replacement****COUNCIL DISTRICT: E****LOCATION: Fountain Green****SEWER****S106713****PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall allow for the design and construction of a replacement pump station in Green Ridge. The existing pump station was originally built in the 1970's and has reached the end of its useful life. This project entails a complete pump station replacement including wetwell/drywell configuration, control building, emergency generators, water meters, odor control, and other ancillary equipment. Pump station capacity shall remain at 340 GPM.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2017 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	
Engineering/Design	1,500,000		1,500,000						1,500,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,500,000</b>	<b>0</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,500,000		1,500,000						1,500,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,500,000</b>	<b>0</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$128,807

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,107,930
Encumbered	0
<b>Total</b>	<b>\$1,107,930</b>

**PROJECT: Harford WWTP Facility Improvements****SEWER****COUNCIL DISTRICT: MULTIPLE****LOCATION: Various****S136731****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for treatment process enhancements to be installed at Joppatowne and Sod Run Wastewater Treatment Plants. A portion of the funding requirement (55%) is coming from a SAAP Federal Grant and will be used to offset the design and construction necessary to install process enhancement equipment at these plants. Such projects include, but not limited to UV installation chemical feed system upgrades FOG segregation and treatment systems, and temporary Biosolids storage facilities.

**PROJECT SCHEDULE:**

Joppatowne UV currently under construction completion in FY 17

Construction comencing 11/2016

Construction Completion 6/2017

**PROJECT STATUS:**

100 % Design Complete

Construction comencing 11/2016

Construction Completion 6/2017

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	885,000		885,000						885,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>885,000</b>	<b>0</b>	<b>885,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>885,000</b>

**FUNDING SCHEDULE**

R3199 Federal Other	485,000		485,000						485,000
R8750 Paygo	400,000		400,000						400,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>885,000</b>	<b>0</b>	<b>885,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>885,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	306,929
Encumbered	448,172
<b>Total</b>	<b>\$755,101</b>

**PROJECT: Joppatowne Pump Station No. 47****COUNCIL DISTRICT: A****LOCATION: Joppatowne****SEWER****S056665****PROJECT DESCRIPTION / JUSTIFICATION:**

This project, once completed, will permanently direct all sewage flow from pump station #47 into the Joppatowne WWTP. Currently, this pump station is required to pump in two directions, Joppatowne and the Pine Road pumping station. The purpose of this permanent diversion is to maximize the amount of flow into the Joppatowne WWTP and to free up additional capacity at the Pine Road pump station. The project entails replacing the existing 700 GPM pump with two 1,280 GPM pumps, motors, VFD's and piping realignments. The project will also provide redundancy in pumping to the WWTP by supplying a back-up pump.

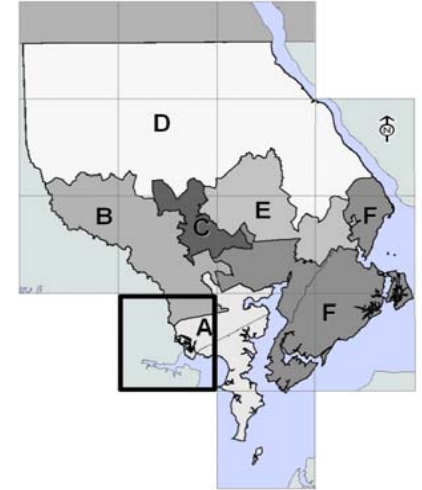
**PROJECT SCHEDULE:**

FY 16 &amp; FY 17 - pump station construction

**PROJECT STATUS:**

Construction Complete

Project Closed Out 10 /2016

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	250,000		250,000						250,000
Land Acquisition			0						0
Construction	3,800,000		3,800,000						3,800,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,050,000</b>	<b>0</b>	<b>4,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,050,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	4,050,000		4,050,000						4,050,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,050,000</b>	<b>0</b>	<b>4,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,050,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$386,578

Annual Operating/Maintenance Cost: N/A

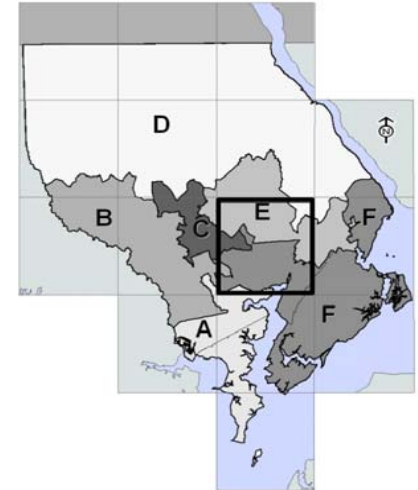
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	626,135
Encumbered	0
<b>Total</b>	<b>\$626,135</b>

**PROJECT: Lower Bynum Run****COUNCIL DISTRICT: F****LOCATION: Abingdon****SEWER****S036634****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for the funding and construction of a parallel to the existing Bynum Run Interceptor, from the Bush Creek Pump Station to MH#20, approximately 4,420 linear feet of 36" sewer construction. This project will also include paralleling of approximately 330 linear feet of 36" sewer from South of Route 7 to the south side of I-95.

**PROJECT SCHEDULE:****PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2017.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	350,000		350,000						350,000
Land Acquisition			0						0
Construction	9,290,000		9,290,000						9,290,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>9,640,000</b>	<b>0</b>	<b>9,640,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,640,000</b>

**FUNDING SCHEDULE**

R6330 Developer	97,018		97,018						97,018
R8089 Reappropriated Paygo	41,734		41,734						41,734
R7100 Prior Bonds	9,501,248		9,501,248						9,501,248
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>9,640,000</b>	<b>0</b>	<b>9,640,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,640,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$739,503

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	8,411,151
Encumbered	0
<b>Total</b>	<b><u>\$8,411,151</u></b>

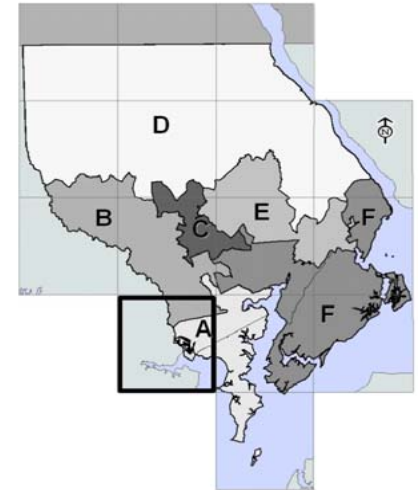
**PROJECT: Oaklyn Manor/Joppa Area Sewer Relief****COUNCIL DISTRICT: A****LOCATION: Joppa****SEWER****S137016****PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall provide for the construction of a relief sewer to be installed along Joppa Farm Road from the terminus of the force main from PS#47 running to the Joppatowne WWTP so that additional wastewater can be treated at the treatment plant, thereby allowing the ability for additional capacity to be recovered at the Pine Road PS. This relief sewer, along with control modification at PS#47, will provide the capacity necessary so that those properties north of the CSX railroad can gravity flow into Pine Road pump station. This project shall extend gravity sewer under the CSX railroad from Joppa Rt. 40 pump station #52 heading north towards Oaklyn Manor/Joppa Area and running parallel in BG&E property, crossing under an unnamed stream to its terminus on the other side of the stream. At this point local development can extend the system both West and East to facilitate the eventual abandonment of existing septic systems which flow gravity toward Route 40. This is a cost sharing project with a developer. The PWA will determine the cost share.

**PROJECT SCHEDULE:****PROJECT STATUS:**

Phase A complete

Phase B on hold; awaiting developer agreement

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,950,300		1,950,300						1,950,300
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,950,300</b>	<b>0</b>	<b>1,950,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,950,300</b>

**FUNDING SCHEDULE**

R3199 Federal Other	765,300		765,300						765,300
R7100 Prior Bonds	1,005,000		1,005,000						1,005,000
R6330 Developer	180,000		180,000						180,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,950,300</b>	<b>0</b>	<b>1,950,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,950,300</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$87,098

Annual Operating/Maintenance Cost: N/A

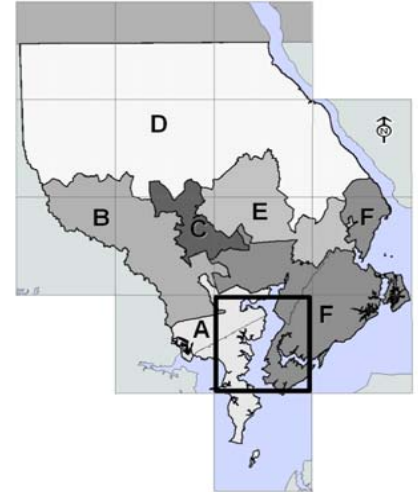
New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	1,464,291
Encumbered	0
<b>Total</b>	<b>\$1,464,291</b>

**PROJECT: Town Center Drive Pump Station Replacement****COUNCIL DISTRICT: A****LOCATION: Joppatowne****SEWER****S146737****PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for the design and construction of a replacement pump station in Joppatowne. The existing pump station was originally built in the 1960's. This project entails upgrades to the electrical controls, pump motors, HVAC, Roof, Coatings for walls, exterior siding improvements, new flow meter and other improvements to update the station. Pump station capacity will remain at 690 gpm.

**PROJECT SCHEDULE:****PROJECT STATUS:****EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2018 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	
Engineering/Design	350,000		350,000						350,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>350,000</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	350,000		350,000						350,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>350,000</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 1/5/17:**

Expended	2,596
Encumbered	0
<b>Total</b>	<b>\$2,596</b>

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