



**HARFORD COUNTY, MARYLAND**  
**APPROVED ANNUAL CAPITAL BUDGET AND CAPITAL IMPROVEMENT PROGRAM**  
**FISCAL YEAR 2018-2019**



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**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**

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**July, 2018**

**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



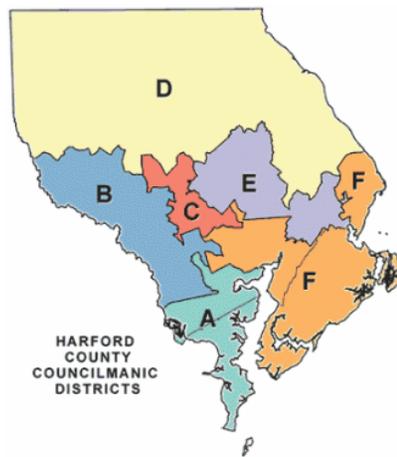
**Chad Shrodes**  
District D



**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, 2018**

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, 2018.

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 2018-2019  
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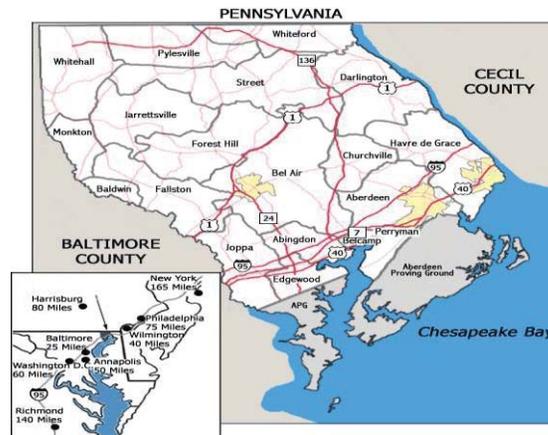
# INTRODUCTION

## 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

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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):

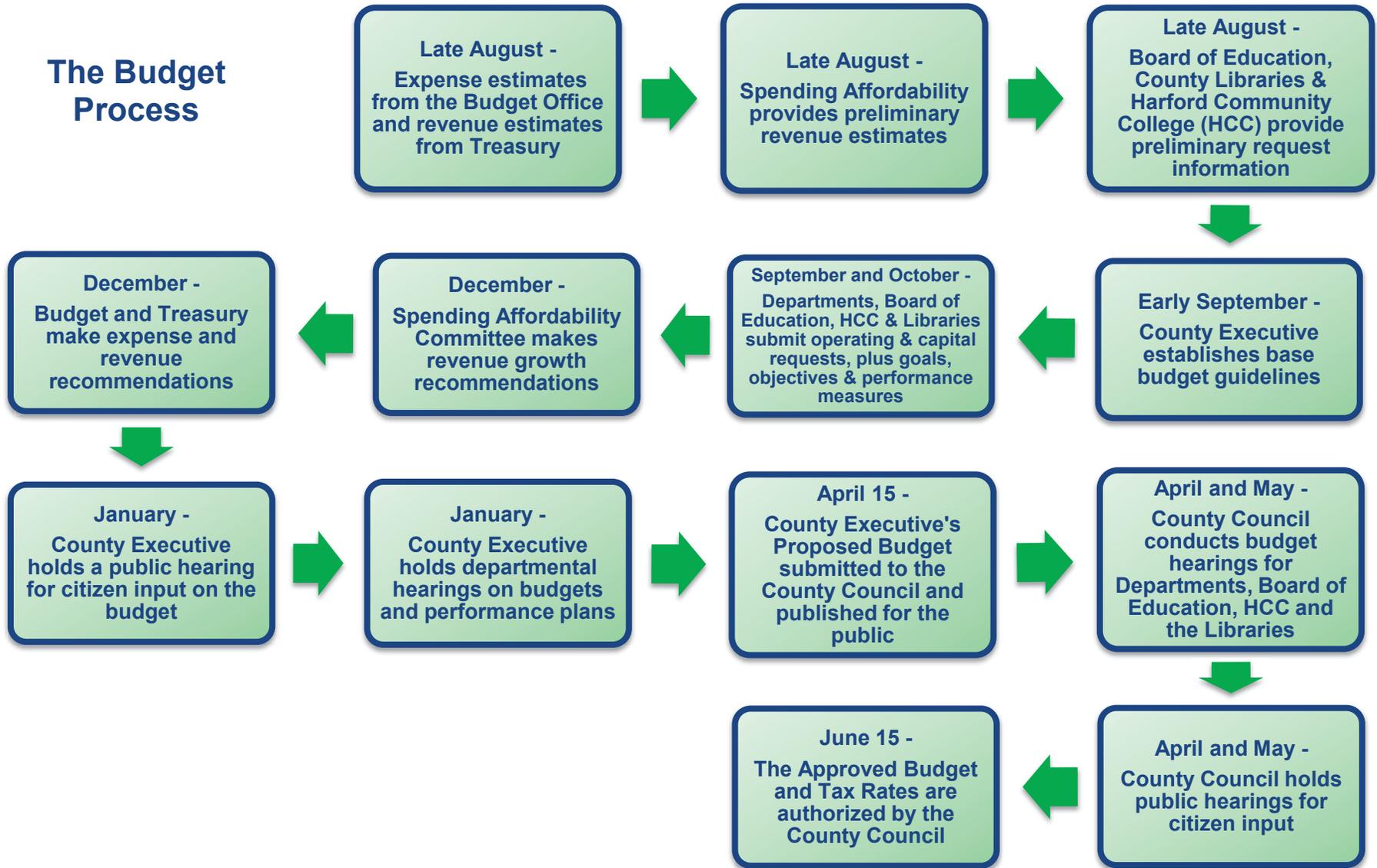
Type of Residential Development

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 2019	FY 2020	FIVE YEAR CAPITAL PROGRAM			
					FY 2021	FY 2022	FY 2023	FY 2024
<b>TOTAL COUNTY BY CATEGORY</b>								
<u>GENERAL FUND</u>								
General Capital	278,737,639	129,539,362	39,073,277	26,175,000	21,125,000	21,125,000	21,100,000	20,600,000
Stormwater Management	112,722,131	45,780,736	11,441,395	10,900,000	11,000,000	11,100,000	11,200,000	11,300,000
Sheriff/Emergency/Fire	62,896,267	49,596,267	3,000,000	6,900,000	850,000	850,000	850,000	850,000
Harford Community College	15,770,208	9,218,880	5,851,328	700,000	0	0	0	0
Library	10,887,400	9,935,100	200,000	94,700	126,100	104,700	261,700	165,100
Board of Education	434,631,052	350,047,052	50,038,000	22,405,000	2,986,000	3,505,000	2,825,000	2,825,000
<b>SUB-TOTAL GENERAL FUND PROJECTS</b>	<b>915,644,697</b>	<b>594,117,397</b>	<b>109,604,000</b>	<b>67,174,700</b>	<b>36,087,100</b>	<b>36,684,700</b>	<b>36,236,700</b>	<b>35,740,100</b>
<u>SOLID WASTE SERVICES</u>	50,544,767	48,029,767	2,315,000	200,000	0	0	0	0
<u>PARKS &amp; RECREATION</u>	149,619,327	76,059,327	14,630,000	7,295,000	7,615,000	17,180,000	12,060,000	14,780,000
<u>HIGHWAYS FUND</u>								
Bridges	54,163,295	28,738,295	4,695,000	9,200,000	2,820,000	2,685,000	2,785,000	3,240,000
Roadways	38,400,327	22,538,572	1,586,755	2,655,000	6,030,000	1,880,000	2,330,000	1,380,000
Resurfacing	61,028,154	28,264,909	6,513,245	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000
Other	40,750,750	22,304,750	3,396,000	7,490,000	1,965,000	1,865,000	1,865,000	1,865,000
<b>TOTAL HIGHWAYS PROJECTS</b>	<b>194,342,526</b>	<b>101,846,526</b>	<b>16,191,000</b>	<b>24,495,000</b>	<b>16,015,000</b>	<b>11,680,000</b>	<b>12,280,000</b>	<b>11,835,000</b>
<u>WATER &amp; SEWER FUNDS</u>								
Water Projects	154,799,650	116,939,650	5,980,000	12,280,000	4,675,000	8,475,000	3,275,000	3,175,000
Sewer Projects	117,731,008	58,121,008	18,510,000	9,000,000	7,800,000	11,000,000	13,300,000	0
<b>TOTAL WATER &amp; SEWER PROJECTS</b>	<b>272,530,658</b>	<b>175,060,658</b>	<b>24,490,000</b>	<b>21,280,000</b>	<b>12,475,000</b>	<b>19,475,000</b>	<b>16,575,000</b>	<b>3,175,000</b>
<b>COUNTY TOTAL BY PROJECTS</b>	<b>1,582,681,975</b>	<b>995,113,675</b>	<b>167,230,000</b>	<b>120,444,700</b>	<b>72,192,100</b>	<b>85,019,700</b>	<b>77,151,700</b>	<b>65,530,100</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2019	FY 2020	FIVE YEAR CAPITAL PROGRAM			
					FY 2021	FY 2022	FY 2023	FY 2024

TOTAL COUNTY BY FUND SOURCE

Paygo (All)	316,954,313	190,504,075	29,526,938	26,744,700	18,957,100	17,954,700	16,956,700	16,310,100
Impact Fee	0	0	0	0	0	0	0	0
Future Bonds	237,439,400	0	76,120,000	53,198,400	23,470,000	34,276,000	31,935,000	18,440,000
Prior Bonds	573,071,616	573,071,616	0	0	0	0	0	0
Reappropriated	33,761,712	29,961,712	3,800,000	0	0	0	0	0
Transfer Tax	69,393,589	15,793,589	8,600,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Recordation Tax	95,734,803	25,258,103	12,436,700	11,655,000	11,265,000	12,270,000	10,855,000	11,995,000
State	151,340,103	98,318,175	23,790,328	10,546,600	4,915,000	4,900,000	4,470,000	4,400,000
Program Open Space	23,496,000	10,351,000	3,725,000	1,245,000	1,425,000	2,575,000	1,575,000	2,600,000
Federal	43,195,876	23,644,876	7,092,000	6,450,000	1,350,000	1,759,000	1,350,000	1,550,000
Developer	7,317,071	4,732,071	460,000	425,000	450,000	450,000	400,000	400,000
Other	28,936,475	21,437,441	1,679,034	1,180,000	1,360,000	1,835,000	610,000	835,000
Lease Purchase	2,041,017	2,041,017	0	0	0	0	0	0

<b>COUNTY TOTAL BY FUNDING SOURCE</b>	<b>1,582,681,975</b>	<b>995,113,675</b>	<b>167,230,000</b>	<b>120,444,700</b>	<b>72,192,100</b>	<b>85,019,700</b>	<b>77,151,700</b>	<b>65,530,100</b>
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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>GENERAL FUND</b>								
<b>GENERAL CAPITAL</b>								
<b>FY 19 Funded Projects</b>								
Abingdon Library Window Replacement	1,259,000	0	1,259,000	0	0	0	0	0
Board of Education Debt Service 19	111,756,700	0	21,756,700	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000
Courthouse Building Repairs	10,327,500	7,027,500	3,000,000	300,000	0	0	0	0
Efficiency Capital Investment Projects	1,170,000	1,030,000	65,000	25,000	25,000	25,000	0	0
Facilities Repair Program	30,862,301	23,062,301	5,800,000	500,000	500,000	500,000	500,000	0
Fleet Maintenance Facility	6,096,000	1,267,000	829,000	4,000,000	0	0	0	0
Fleet Replacement	21,040,000	9,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
GIS Update	226,099	250,000	(23,901)	0	0	0	0	0
Harford County Ag Research Center	1,400,000	650,000	750,000	0	0	0	0	0
Harford Cable Network Hi Def Upgrade	600,000	250,000	350,000	0	0	0	0	0
HMAN	16,280,000	16,200,000	80,000	0	0	0	0	0
Refresh Program	3,603,478	2,935,000	168,478	100,000	100,000	100,000	100,000	100,000
Safeguarding Business Operations	17,525,400	15,075,400	1,700,000	750,000	0	0	0	0
Site Acquisition	27,257,761	23,757,761	1,000,000	500,000	500,000	500,000	500,000	500,000
Underground & Aboveground Tank	1,144,000	605,000	539,000	0	0	0	0	0
Voting Equipment	0	200,000	(200,000)	0	0	0	0	0
<b>Open Projects</b>								
Aberdeen Library Roof & Windows	388,000	388,000	0	0	0	0	0	0
Board of Education Debt Service 18	18,000,000	18,000,000	0	0	0	0	0	0
Edgewood Library Roof Replacement	221,400	221,400	0	0	0	0	0	0
45 South Main Street - Add Emergency	600,000	600,000	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
MD 924 Small Area Corridor Plan	300,000	300,000	0	0	0	0	0	0
Reforestation and Buffer Mitigation	100,000	100,000	0	0	0	0	0	0
Reforestation and Landscaping	680,000	680,000	0	0	0	0	0	0
Repairs to 45 South Main Street	100,000	100,000	0	0	0	0	0	0
<b>General Capital Total by Project</b>	<b>278,737,639</b>	<b>129,539,362</b>	<b>39,073,277</b>	<b>26,175,000</b>	<b>21,125,000</b>	<b>21,125,000</b>	<b>21,100,000</b>	<b>20,600,000</b>
Paygo	48,035,188	32,784,216	3,925,972	2,875,000	2,125,000	2,125,000	2,100,000	2,100,000
Prior Paygo	43,605	0	43,605	0	0	0	0	0
Reappropriated	7,240,497	4,190,497	3,050,000	0	0	0	0	0
Future Bonds	20,507,000	0	11,707,000	5,300,000	1,000,000	1,000,000	1,000,000	500,000
Prior Bonds	68,242,157	68,242,157	0	0	0	0	0	0
Transfer Tax	61,600,000	8,000,000	8,600,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Recordation Tax	63,406,700	8,300,000	10,106,700	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
State	2,742,279	1,832,279	910,000	0	0	0	0	0
Federal	2,958,292	2,358,292	600,000	0	0	0	0	0
Developer	772,421	772,421	0	0	0	0	0	0
Other	1,629,500	1,499,500	130,000	0	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>278,737,639</b>	<b>129,539,362</b>	<b>39,073,277</b>	<b>26,175,000</b>	<b>21,125,000</b>	<b>21,125,000</b>	<b>21,100,000</b>	<b>20,600,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
<b>STORMWATER MANAGEMENT</b>									
<b><u>FY 19 Funded Projects</u></b>									
Bynum Run @ St. Andrews Way	2,997,026	2,197,026	800,000	0	0	0	0	0	0
County Owned Watershed Restoration	650,000	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
County Owned Stormwater Mgmt Rehab	27,475,000	7,375,000	3,025,000	3,125,000	3,225,000	3,475,000	3,575,000	3,675,000	3,675,000
Joppatowne Area Watershed Restoration	7,150,000	3,500,000	900,000	550,000	550,000	550,000	550,000	550,000	550,000
Maintenance/Repair of Dams	3,805,000	1,705,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
Plumtree Run Watershed Restoration	10,143,452	4,743,452	900,000	900,000	900,000	900,000	900,000	900,000	900,000
Riverside Area Watershed Restoration	7,960,886	2,710,886	875,000	875,000	875,000	875,000	875,000	875,000	875,000
Sams Branch Watershed Restoration	4,672,922	2,272,922	400,000	400,000	400,000	400,000	400,000	400,000	400,000
Septic System Disconnection	400,000	100,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Stormwater Enhancement	900,000	815,000	85,000	0	0	0	0	0	0
Stormwater Pollution Prevention	1,781,395	881,395	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Upper Bynum Run Watershed Rest	12,000,000	550,000	1,450,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Watershed Restoration Assessment	13,500,000	3,900,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
Watershed Restoration Improvements	5,000,000	1,700,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000
Watershed Restoration Improvements 06	1,501,645	1,528,228	(26,583)	0	0	0	0	0	0
Watershed Restoration Maintenance	860,000	260,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Watershed/Stream Assessment Studies	1,047,978	1,065,000	(17,022)	0	0	0	0	0	0
Wheel Creek Watershed Restoration	7,139,607	6,689,607	150,000	150,000	150,000	0	0	0	0
<b><u>Open Projects</u></b>									
Lilly Run Watershed Restoration	725,000	725,000	0	0	0	0	0	0	0
Sunnyview Stream Restoration	1,992,220	1,992,220	0	0	0	0	0	0	0
Woodbridge Retrofit and Stream Rest	1,020,000	1,020,000	0	0	0	0	0	0	0
<b>Stormwater Management Total by Project</b>	<b>112,722,131</b>	<b>45,780,736</b>	<b>11,441,395</b>	<b>10,900,000</b>	<b>11,000,000</b>	<b>11,100,000</b>	<b>11,200,000</b>	<b>11,300,000</b>	<b>11,300,000</b>
<b>Paygo - Special Dedicated Paygo</b>	<b>7,580,818</b>	<b>5,680,818</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>300,000</b>
<b>Prior Paygo</b>			<b>(43,605)</b>						
<b>Prior Bonds</b>	<b>17,450,000</b>	<b>17,450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Future Bonds</b>	<b>38,300,000</b>	<b>0</b>	<b>6,050,000</b>	<b>6,250,000</b>	<b>6,350,000</b>	<b>6,450,000</b>	<b>6,550,000</b>	<b>6,650,000</b>	<b>6,650,000</b>
<b>Reappropriated</b>	<b>2,584,918</b>	<b>2,584,918</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Recordation Tax</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>State</b>	<b>36,127,016</b>	<b>14,227,016</b>	<b>4,150,000</b>	<b>3,550,000</b>	<b>3,550,000</b>	<b>3,550,000</b>	<b>3,550,000</b>	<b>3,550,000</b>	<b>3,550,000</b>
<b>Federal</b>	<b>5,612,984</b>	<b>2,912,984</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>
<b>Developer</b>	<b>85,000</b>	<b>0</b>	<b>85,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Other</b>	<b>4,825,000</b>	<b>2,725,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>
<b>Stormwater Management Total by Fund</b>	<b>112,722,131</b>	<b>45,780,736</b>	<b>11,441,395</b>	<b>10,900,000</b>	<b>11,000,000</b>	<b>11,100,000</b>	<b>11,200,000</b>	<b>11,300,000</b>	<b>11,300,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>PUBLIC SAFETY</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Joppa/Magnolia Fire Station	1,240,000	700,000	540,000	0	0	0	0	0
Mobile/Portable Radio System Upgrade	2,150,000	150,000	1,000,000	1,000,000	0	0	0	0
911 State Fee Fund	4,600,000	300,000	300,000	3,600,000	100,000	100,000	100,000	100,000
Public Safety Communication in School	1,150,000	550,000	100,000	100,000	100,000	100,000	100,000	100,000
SCBA Replacement	2,250,000	750,000	250,000	250,000	250,000	250,000	250,000	250,000
VFC Facility Repair	3,560,000	1,100,000	460,000	400,000	400,000	400,000	400,000	400,000
Whiteford VFC - Renovation of Main	700,000	350,000	350,000	0	0	0	0	0
<b><u>Outyear Projects</u></b>								
Mobile Command Vehicle	1,200,000	0	0	1,200,000	0	0	0	0
Next-Gen 911	350,000	0	0	350,000	0	0	0	0
<b><u>Open Projects</u></b>								
Computer Equipment Networks	2,241,742	2,241,742	0	0	0	0	0	0
Emergency Operations Center Complex	43,294,525	43,294,525	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>62,896,267</b>	<b>49,596,267</b>	<b>3,000,000</b>	<b>6,900,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>
<b>Paygo</b>	<b>12,191,250</b>	<b>5,191,250</b>	<b>1,700,000</b>	<b>2,300,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>	<b>750,000</b>
<b>Future Bonds</b>	<b>2,000,000</b>	<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Prior Bonds</b>	<b>38,461,500</b>	<b>38,461,500</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>6,898,000</b>	<b>2,598,000</b>	<b>300,000</b>	<b>3,600,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>
<b>Federal</b>	<b>2,202,000</b>	<b>2,202,000</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>481,017</b>	<b>481,017</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>62,896,267</b>	<b>49,596,267</b>	<b>3,000,000</b>	<b>6,900,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2019	FY 2020	FIVE YEAR CAPITAL PROGRAM				
					FY 2021	FY 2022	FY 2023	FY 2024	
<b>HARFORD COMMUNITY COLLEGE</b>									
<b><u>FY 19 Funded Projects:</u></b>									
Fallston Hall Renovations	7,138,208	586,880	5,851,328	700,000	0	0	0	0	0
<b><u>Open Projects:</u></b>									
Edgewood Hall Renovation and Expansion	8,632,000	8,632,000	0	0	0	0	0	0	0
College Total by Project	15,770,208	9,218,880	5,851,328	700,000	0	0	0	0	0
Paygo	0	0	0	0	0	0	0	0	0
Future Bonds	3,092,400	0	2,762,000	330,400	0	0	0	0	0
Prior Bonds	4,050,000	4,050,000	0	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0	0
State	8,627,808	5,168,880	3,089,328	369,600	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
College Total by Fund	15,770,208	9,218,880	5,851,328	700,000	0	0	0	0	0
<b>LIBRARIES</b>									
<b><u>FY 19 Funded Projects:</u></b>									
Technology	1,711,400	759,100	200,000	94,700	126,100	104,700	261,700	165,100	165,100
<b><u>Open Projects:</u></b>									
Darlington Branch - Expansion	56,000	56,000	0	0	0	0	0	0	0
Havre de Grace Expansion	9,020,000	9,020,000	0	0	0	0	0	0	0
Joppa Branch - Central Dehumidification	100,000	100,000	0	0	0	0	0	0	0
Libraries Total by Project	10,887,400	9,935,100	200,000	94,700	126,100	104,700	261,700	165,100	165,100
Paygo	1,867,400	915,100	200,000	94,700	126,100	104,700	261,700	165,100	165,100
Prior Paygo	0	0	0	0	0	0	0	0	0
Future Bonds	0	0	0	0	0	0	0	0	0
Prior Bonds	6,720,000	6,720,000	0	0	0	0	0	0	0
State	1,000,000	1,000,000	0	0	0	0	0	0	0
Federal	400,000	400,000	0	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0	0
Other	900,000	900,000	0	0	0	0	0	0	0
Libraries Total by Fund	10,887,400	9,935,100	200,000	94,700	126,100	104,700	261,700	165,100	165,100

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
<b>BOARD OF EDUCATION</b>									
<b><u>FY 19 Projects</u></b>									
Athletic Fields Repair & Restoration	1,187,000	587,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Bel Air ES HVAC Systemic Reno	8,129,000	7,561,000	568,000	0	0	0	0	0	0
Fallston Chiller Replacement	1,000,000	0	1,000,000	0	0	0	0	0	0
HdG Middle/High School Replacement	104,606,000	41,950,000	43,831,000	18,825,000	0	0	0	0	0
Replacement Buses	12,825,197	12,575,197	250,000	0	0	0	0	0	0
Roof Replacement - Aberdeen MS	2,664,000	0	2,664,000	0	0	0	0	0	0
Security Measures	3,285,000	1,735,000	325,000	325,000	225,000	225,000	225,000	225,000	225,000
Swimming Pool Renovations	2,759,000	963,000	300,000	655,000	161,000	680,000	0	0	0
Technology Infrastructure	4,758,217	3,758,217	1,000,000	0	0	0	0	0	0
<b><u>Outyear Projects</u></b>									
Major HVAC Repairs	14,187,550	9,187,550	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Major Roof Replacement	7,500,000	0	0	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
<b><u>Open Projects</u></b>									
Aberdeen High School Stadium & Weight	1,600,000	1,600,000	0	0	0	0	0	0	0
Aberdeen HS North Building	665,000	665,000	0	0	0	0	0	0	0
ADA Improvements	900,000	900,000	0	0	0	0	0	0	0
Backflow Prevention	600,000	600,000	0	0	0	0	0	0	0
Building Envelope Improvements	700,000	700,000	0	0	0	0	0	0	0
Center for Educational Opportunity	4,625,000	4,625,000	0	0	0	0	0	0	0
Darlington ES Comprehensive HVAC	1,638,000	1,638,000	0	0	0	0	0	0	0
Edgewood HS Replacement	83,581,790	83,581,790	0	0	0	0	0	0	0
Equipment and Furniture Replacement	1,055,000	1,055,000	0	0	0	0	0	0	0
Fallston HS Comp HVAC Systemic	17,546,940	17,546,940	0	0	0	0	0	0	0
Fire Alarm & ER Communication	1,387,000	1,387,000	0	0	0	0	0	0	0
Homestead Wakefield ES Mod	133,454	133,454	0	0	0	0	0	0	0
Integrated Business Systems	403,000	403,000	0	0	0	0	0	0	0
Joppatowne HS Systemic Project	13,673,000	13,673,000	0	0	0	0	0	0	0
Music Equipment Refresh Program 14	50,000	50,000	0	0	0	0	0	0	0
North Harford HS Aquaculture Lab	830,000	830,000	0	0	0	0	0	0	0
North Harford HS Modernization	31,873,132	31,873,132	0	0	0	0	0	0	0
North Harford MS Domestic Water	1,000,000	1,000,000	0	0	0	0	0	0	0
Playground Equipment	350,000	350,000	0	0	0	0	0	0	0
Prospect Mill ES HVAC	4,685,000	4,685,000	0	0	0	0	0	0	0
Red Pump Road ES	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 ES HVAC Equipment	1,099,000	1,099,000	0	0	0	0	0	0	0
Riverside ES Systemic Renovation	8,780,000	8,780,000	0	0	0	0	0	0	0
Roof Replacement - Joppatowne HS	2,400,000	2,400,000	0	0	0	0	0	0	0
Roof Replacement - North Harford ES	1,064,000	1,064,000	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
Technology Education Lab Refresh	250,000	250,000	0	0	0	0	0	0	0
Textbook/Supplemental Materials	5,300,000	5,300,000	0	0	0	0	0	0	0

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET	FIVE YEAR CAPITAL PROGRAM				
			YEAR FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>BOARD OF EDUCATION</b>								
William Paca/Old Post ES	2,417,000	2,417,000	0	0	0	0	0	0
William S. James Open Space	1,400,000	1,400,000	0	0	0	0	0	0
Youth's Benefit ES Replacement	45,957,866	45,957,866	0	0	0	0	0	0
<b>Education Total by Project</b>	<b>434,631,052</b>	<b>350,047,052</b>	<b>50,038,000</b>	<b>22,405,000</b>	<b>2,986,000</b>	<b>3,505,000</b>	<b>2,825,000</b>	<b>2,825,000</b>
Paygo	28,193,432	22,997,432	1,975,000	1,080,000	486,000	1,005,000	325,000	325,000
Future Bonds	59,290,000	0	33,952,000	18,338,000	1,750,000	1,750,000	1,750,000	1,750,000
Prior Bonds	237,879,706	237,879,706	0	0	0	0	0	0
Reappropriated	8,504,704	8,504,704	0	0	0	0	0	0
Transfer Tax	7,793,589	7,793,589	0	0	0	0	0	0
Recordation Tax	58,170	58,170	0	0	0	0	0	0
State	88,419,000	68,321,000	14,111,000	2,987,000	750,000	750,000	750,000	750,000
Other	4,492,451	4,492,451	0	0	0	0	0	0
Lease Purchase	0	0	0	0	0	0	0	0
<b>Education Total by Fund</b>	<b>434,631,052</b>	<b>350,047,052</b>	<b>50,038,000</b>	<b>22,405,000</b>	<b>2,986,000</b>	<b>3,505,000</b>	<b>2,825,000</b>	<b>2,825,000</b>
<b>SUB-TOTAL GENERAL FUND CAPITAL</b>	<b>915,644,697</b>	<b>594,117,397</b>	<b>109,604,000</b>	<b>67,174,700</b>	<b>36,087,100</b>	<b>36,684,700</b>	<b>36,236,700</b>	<b>35,740,100</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>SOLID WASTE SERVICES</b>								
<b><u>FY 19 Funded Projects:</u></b>								
HWDC Expansion	21,235,354	20,970,354	265,000	0	0	0	0	0
Waste-to-Energy Facility Closure	8,163,753	6,113,753	2,050,000	0	0	0	0	0
<b><u>Outyear Projects</u></b>								
HWDC Pavement Upgrades	600,000	400,000	0	200,000	0	0	0	0
<b><u>Open Projects:</u></b>								
Environmental Studies and Projects	1,440,900	1,440,900	0	0	0	0	0	0
Former Spencers Landfill Closure	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
Scarboro Landfill Groundwater	250,000	250,000	0	0	0	0	0	0
Tollgate Landfill Gas System	1,034,679	1,034,679	0	0	0	0	0	0
Tollgate Yard Trim Recycling	975,081	975,081	0	0	0	0	0	0
<b>Solid Waste Services Total by Project</b>	<b>50,544,767</b>	<b>48,029,767</b>	<b>2,315,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Paygo	26,386,043	23,871,043	2,315,000	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
<b>Solid Waste Services Total by Fund</b>	<b>50,544,767</b>	<b>48,029,767</b>	<b>2,315,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL GENERAL FUND CAPITAL</b>	<b>966,189,464</b>	<b>642,147,164</b>	<b>111,919,000</b>	<b>67,374,700</b>	<b>36,087,100</b>	<b>36,684,700</b>	<b>36,236,700</b>	<b>35,740,100</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b><u>PARKS &amp; RECREATION FUND</u></b>								
<b><u>FY 19 Funded Projects:</u></b>								
Anita C. Leight Center Improvements	1,005,000	755,000	250,000	0	0	0	0	0
Athletic Field Improvements	16,850,000	12,400,000	150,000	1,400,000	700,000	700,000	700,000	800,000
Bleacher Renovations	890,000	430,000	60,000	80,000	80,000	80,000	80,000	80,000
Bush River Dredging and DMP Site	990,000	100,000	890,000	0	0	0	0	0
Canoe and Kayak Water Access	1,405,000	730,000	150,000	0	200,000	0	0	325,000
Cedar Lane Sports Improvements	3,261,000	2,261,000	100,000	200,000	200,000	200,000	200,000	100,000
Eden Mill Park Rehabilitation	1,305,000	955,000	200,000	0	50,000	0	0	100,000
Edgewood Recreation Park	650,000	0	50,000	0	0	100,000	0	500,000
Emily Bayliss Graham Park	3,850,000	1,775,000	800,000	0	525,000	500,000	0	250,000
Emmorton Rec and Tennis Ctr	1,485,000	985,000	500,000	0	0	0	0	0
Equestrian Center Improvements	675,000	325,000	50,000	100,000	100,000	0	0	100,000
Facility Renovations	875,000	225,000	150,000	100,000	100,000	100,000	100,000	100,000
Flying Point Park Improvements	403,000	303,000	100,000	0	0	0	0	0
Forest Hill Rec Complex Improvements	800,000	200,000	600,000	0	0	0	0	0
Fox Meadows Park Improvements	450,000	100,000	350,000	0	0	0	0	0
Gunpowder River Dredging	2,234,000	1,764,000	470,000	0	0	0	0	0
Gymnasium Floor Repair & Reno	510,000	60,000	75,000	75,000	75,000	75,000	75,000	75,000
Jarrettsville Complex Restrooms	270,000	350,000	(80,000)	0	0	0	0	0
Mariner Point Park Renovations	686,000	361,000	275,000	0	0	0	50,000	0
Natural Turf Improvements	1,890,000	1,240,000	50,000	150,000	150,000	75,000	75,000	150,000
Park Improvements	380,000	80,000	50,000	50,000	50,000	50,000	50,000	50,000
Parking Lot Paving	1,409,000	749,000	155,000	150,000	55,000	0	150,000	150,000
Parkland Acquisition	14,581,000	6,356,000	3,100,000	1,025,000	1,025,000	1,025,000	1,025,000	1,025,000
Playground Equipment	3,330,000	2,030,000	250,000	150,000	225,000	225,000	225,000	225,000
Rock Glenn Park	1,410,000	0	100,000	1,200,000	0	0	10,000	100,000
Swan Harbor Farm Improvements	1,689,000	614,000	25,000	0	1,050,000	0	0	0
Tennis/Multipurpose Courts	1,490,000	740,000	200,000	100,000	100,000	100,000	100,000	150,000
Trails & Linear Parks	14,600,000	4,100,000	5,500,000	1,000,000	0	2,000,000	0	2,000,000
Tudor Hall Rehabilitation	760,000	550,000	60,000	0	0	0	0	150,000
<b><u>Outyear Projects</u></b>								
Aberdeen Activity Center	9,000,000	0	0	0	500,000	8,000,000	500,000	0
ADA Improvements	729,307	404,307	0	75,000	75,000	0	75,000	100,000
Backstop Renovations	570,000	270,000	0	100,000	50,000	50,000	50,000	50,000
Benson Field Development	1,100,000	0	0	0	100,000	1,000,000	0	0
Blake's Venture Park	1,100,000	0	0	0	100,000	0	1,000,000	0
Bulkhead Renovations	650,000	0	0	40,000	535,000	0	75,000	0
Darlington Park Development	2,035,000	1,895,000	0	140,000	0	0	0	0
Disc Golf Course	100,000	50,000	0	0	50,000	0	0	0
Edgeley Grove Farm	140,000	40,000	0	100,000	0	0	0	0
Edgewood Recreation & Comm Ctr	250,000	100,000	0	150,000	0	0	0	0
Jarrettsville Recreation Center	7,210,775	510,775	0	0	0	0	6,500,000	200,000
Joppa/Joppatowne Youth/Senior Center	7,000,000	0	0	0	0	0	500,000	6,500,000
Magnolia Complex Development	2,480,000	2,055,000	0	425,000	0	0	0	0
Norrisville Park	1,325,000	0	0	125,000	525,000	525,000	150,000	0
Northern Regional Park	2,325,000	575,000	0	0	0	250,000	0	1,500,000
Perryman Park Development	1,125,000	0	0	0	125,000	1,000,000	0	0
Prospect Mill Park	600,000	0	0	100,000	500,000	0	0	0
Red Pump Road ES Facilities	175,000	0	0	0	50,000	125,000	0	0
Robert Copenhaver Park Improve	550,000	300,000	0	0	0	0	250,000	0
Rockfield Park Improvements	370,000	170,000	0	100,000	100,000	0	0	0
SWM Pond Repair and Renovation	800,000	450,000	0	110,000	120,000	0	120,000	0
Tollgate Woodshop	75,000	25,000	0	50,000	0	0	0	0
Vale Road Park	1,100,000	0	0	0	100,000	1,000,000	0	0

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>Open Projects</b>								
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
East Baker Avenue Ped Bridge	100,000	100,000	0	0	0	0	0	0
Enlarged Gymnasiums & Joint Facilities	1,200,000	1,200,000	0	0	0	0	0	0
Facility Renovations	1,205,000	1,205,000	0	0	0	0	0	0
Francis Silver Park Improvements	425,000	425,000	0	0	0	0	0	0
Heavenly Waters Park	2,120,000	2,120,000	0	0	0	0	0	0
Heavenly Waters Park - Soma	100,000	100,000	0	0	0	0	0	0
Indoor Recreation Facility - Forest Hill	1,474,000	1,474,000	0	0	0	0	0	0
Joppatowne Area Dredging	1,090,000	1,090,000	0	0	0	0	0	0
Nuttal 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
Schucks Road Regional Complex	8,110,415	8,110,415	0	0	0	0	0	0
Tydings Park Improvements	400,000	400,000	0	0	0	0	0	0
<b>Parks &amp; Rec Total by Project</b>	<b>149,619,327</b>	<b>76,059,327</b>	<b>14,630,000</b>	<b>7,295,000</b>	<b>7,615,000</b>	<b>17,180,000</b>	<b>12,060,000</b>	<b>14,780,000</b>
Paygo	3,766,322	3,766,322	0	0	0	0	0	0
Paygo - Hotel Tax Revenue	3,200,000	0	1,600,000	1,100,000	100,000	100,000	100,000	200,000
Paygo - Parks and Recreation Fund	25,000	0	25,000	0	0	0	0	0
Future Bonds	27,700,000	0	150,000	1,400,000	2,250,000	8,200,000	8,200,000	7,500,000
Prior Bonds	24,006,830	24,006,830	0	0	0	0	0	0
Reappropriated	5,744,935	4,994,935	750,000	0	0	0	0	0
Recordation Tax	32,069,933	16,699,933	2,330,000	2,655,000	2,265,000	3,270,000	1,855,000	2,995,000
State	6,276,000	4,081,000	1,070,000	40,000	515,000	500,000	70,000	0
Program Open Space	23,496,000	10,351,000	3,725,000	1,245,000	1,425,000	2,575,000	1,575,000	2,600,000
Federal	9,130,000	3,130,000	4,000,000	0	0	1,000,000	0	1,000,000
Developer	1,365,000	1,165,000	75,000	25,000	50,000	50,000	0	0
Other	12,839,307	7,864,307	905,000	830,000	1,010,000	1,485,000	260,000	485,000
<b>Parks &amp; Rec Total by Fund</b>	<b>149,619,327</b>	<b>76,059,327</b>	<b>14,630,000</b>	<b>7,295,000</b>	<b>7,615,000</b>	<b>17,180,000</b>	<b>12,060,000</b>	<b>14,780,000</b>
<b>TOTAL PARKS &amp; RECREATION CAPITAL</b>	<b>149,619,327</b>	<b>76,059,327</b>	<b>14,630,000</b>	<b>7,295,000</b>	<b>7,615,000</b>	<b>17,180,000</b>	<b>12,060,000</b>	<b>14,780,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
<b>HIGHWAYS FUND</b>									
<b>BRIDGES</b>									
<b><u>FY 19 Funded Projects:</u></b>									
Abingdon Road Bridge #169 over CSX	4,480,000	1,330,000	250,000	2,900,000	0	0	0	0	0
Bridge & Road Scour Repair	2,250,000	1,400,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program	3,450,000	200,000	850,000	200,000	900,000	200,000	900,000	200,000	200,000
Bridge Rehabilitation	4,041,381	950,000	841,381	450,000	450,000	450,000	450,000	450,000	450,000
Carea Road Bridge #126	20,310	89,207	(68,897)	0	0	0	0	0	0
Chestnut Hill Bridge #40	1,705,000	525,000	1,180,000	0	0	0	0	0	0
Culvert Rehabilitation	5,480,000	4,375,000	105,000	200,000	200,000	200,000	200,000	200,000	200,000
Edwards Lane Culvert	0	5,000	(5,000)	0	0	0	0	0	0
Glen Cove Road Bridge #156	650,000	150,000	200,000	300,000	0	0	0	0	0
Green Road Bridges #119 and #122	1,119,088	719,088	400,000	0	0	0	0	0	0
Johnson Mill Road Bridge #45	730,000	200,000	60,000	0	470,000	0	0	0	0
New Park Road Bridge #125	1,100,000	700,000	400,000	0	0	0	0	0	0
Phillips Mill Road Bridge #70	3,550,000	550,000	50,000	2,950,000	0	0	0	0	0
Pleasantville Road Bridge #60	225,000	0	225,000	0	0	0	0	0	0
Robinson Mill Road Bridge #154	1,815,000	1,685,000	130,000	0	0	0	0	0	0
Watervale Road Bridge #63	4,132,516	4,155,000	(22,484)	0	0	0	0	0	0
<b><u>Outyear Projects:</u></b>									
Boggs Road Bridge #66	1,240,000	0	0	0	200,000	20,000	0	1,020,000	0
Bridge Painting	1,300,000	300,000	0	200,000	200,000	200,000	200,000	200,000	200,000
Deep Run Road Bridge #152	1,240,000	0	0	0	200,000	20,000	0	1,020,000	0
Fawn Grove Road Bridge #132	1,160,000	10,000	0	250,000	50,000	0	850,000	0	0
Glenville Road Bridge #30	1,455,000	410,000	0	0	0	1,045,000	0	0	0
Moores Road Bridge #78	225,000	0	0	0	0	200,000	25,000	0	0
Scarboro Road Bridge #140	210,000	0	0	0	0	200,000	10,000	0	0
Stafford Road Bridge #24	2,005,000	405,000	0	1,600,000	0	0	0	0	0
<b><u>Open Projects:</u></b>									
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0	0
Carrs Mill Road Bridge #216	2,575,000	2,575,000	0	0	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	1,095,000	0	0	0	0	0	0	0
Structural Evaluation	420,000	420,000	0	0	0	0	0	0	0
<b>Bridges Total by Project</b>	<b>54,163,295</b>	<b>28,738,295</b>	<b>4,695,000</b>	<b>9,200,000</b>	<b>2,820,000</b>	<b>2,685,000</b>	<b>2,785,000</b>	<b>3,240,000</b>	<b>0</b>
Paygo	21,149,817	13,924,817	1,275,000	1,750,000	1,000,000	1,100,000	1,000,000	1,100,000	1,100,000
Prior Paygo	0	0	0	0	0	0	0	0	0
Future Bonds	7,949,000	0	1,378,000	1,450,000	920,000	1,276,000	885,000	2,040,000	0
Prior Bonds	3,044,559	3,044,559	0	0	0	0	0	0	0
Reappropriated	546,919	546,919	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Federal	21,473,000	11,222,000	2,042,000	6,000,000	900,000	309,000	900,000	100,000	100,000
Other	0	0	0	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0	0
<b>Bridges Total by Fund</b>	<b>54,163,295</b>	<b>28,738,295</b>	<b>4,695,000</b>	<b>9,200,000</b>	<b>2,820,000</b>	<b>2,685,000</b>	<b>2,785,000</b>	<b>3,240,000</b>	<b>0</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>ROADWAYS</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Chapel Road Improvements	169,821	225,000	(55,179)	0	0	0	0	0
Guardrails	1,300,000	525,000	150,000	125,000	125,000	125,000	125,000	125,000
Intersection Improvements	5,181,728	2,881,728	400,000	380,000	380,000	380,000	380,000	380,000
MD 152/Oakmont Road/Port Lane	942,666	400,732	(8,066)	0	0	550,000	0	0
Schucks Road Culvert Replacement	23,824	80,000	(56,176)	0	0	0	0	0
Schucks Road Improvements	1,718,368	437,192	456,176	825,000	0	0	0	0
Spesutia Road Reconstruction/Upgrade	5,400,000		500,000	250,000	4,650,000	0	0	0
Stormdrain Rehabilitation	3,116,231	1,666,231	100,000	250,000	250,000	250,000	300,000	300,000
Traffic Calming, Bicycle & Road Safety	1,400,000	550,000	100,000	150,000	150,000	150,000	150,000	150,000
<b><u>Outyear Projects:</u></b>								
Bata Blvd Access Road	600,000	0	0	150,000	0	0	450,000	0
Drainage Improvements	2,450,000	1,575,000	0	175,000	175,000	175,000	175,000	175,000
New Roads and Stormdrains	3,625,000	2,625,000	0	200,000	200,000	200,000	200,000	200,000
Traffic Signals	359,601	109,601	0	50,000	50,000	50,000	50,000	50,000
Trimble Road (Joppa Rd to Garnett Rd)	650,000	0	0	100,000	50,000	0	500,000	0
<b><u>Open Projects:</u></b>								
Landis Circle - Foxborough Farms	350,000	350,000	0	0	0	0	0	0
Moores Mill Road	10,363,088	10,363,088	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>38,400,327</b>	<b>22,538,572</b>	<b>1,586,755</b>	<b>2,655,000</b>	<b>6,030,000</b>	<b>1,880,000</b>	<b>2,330,000</b>	<b>1,380,000</b>
Paygo	19,252,264	10,227,264	750,000	2,155,000	1,280,000	1,780,000	1,780,000	1,280,000
Prior Paygo	(63,245)		(63,245)	0	0	0	0	0
Future Bonds	6,400,000	0	900,000	400,000	4,650,000	0	450,000	0
Prior Bonds	6,731,707	6,731,707	0	0	0	0	0	0
Reappropriated	309,601	309,601	0	0	0	0	0	0
State	720,000	720,000	0	0	0	0	0	0
Federal	0	0	0	0	0	0	0	0
Developer	3,050,000	2,550,000	0	100,000	100,000	100,000	100,000	100,000
Other	2,000,000	2,000,000	0	0	0	0	0	0
<b>Roadways Total by Fund</b>	<b>38,400,327</b>	<b>22,538,572</b>	<b>1,586,755</b>	<b>2,655,000</b>	<b>6,030,000</b>	<b>1,880,000</b>	<b>2,330,000</b>	<b>1,380,000</b>
<b>RESURFACING</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Resurfacing Roadways	38,468,262	5,705,017	6,513,245	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						
<b>Resurfacing Total by Project</b>	<b>61,028,154</b>	<b>28,264,909</b>	<b>6,513,245</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	58,389,517	25,689,517	6,450,000	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	63,245	0	63,245	0	0	0	0	0
<b>Resurfacing Total by Fund</b>	<b>61,028,154</b>	<b>28,264,909</b>	<b>6,513,245</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		FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
<b>HIGHWAYS FUND</b>									
<b>OTHER</b>									
<b><u>FY 19 Funded Projects:</u></b>									
APG Gate PILOT	2,500,000	2,000,000	500,000	0	0	0	0	0	0
Efficiency Capital Investment Project	435,000	155,000	80,000	40,000	40,000	40,000	40,000	40,000	40,000
Fleet Maintenance Facility	5,816,000	155,000	561,000	5,100,000	0	0	0	0	0
Fleet Replacement	19,442,000	10,442,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Refresh Program	890,500	440,500	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Safeguarding Business Operations	3,462,450	2,937,450	400,000	125,000	0	0	0	0	0
Salt Dome	350,000	0	50,000	300,000	0	0	0	0	0
Sidewalks and Handicapped Ramps	2,129,300	1,149,300	230,000	150,000	150,000	150,000	150,000	150,000	150,000
<b><u>Outyear Projects:</u></b>									
Equipment Sheds	200,000	0	0	100,000	100,000	0	0	0	0
Facilities Repair Program	1,507,000	1,007,000	0	100,000	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	0
Glen Elyn Culvert & Ponds Repair	392,500	392,500	0	0	0	0	0	0	0
HMAN	930,000	930,000	0	0	0	0	0	0	0
Primrose Place	146,000	146,000	0	0	0	0	0	0	0
700 MHz Wireless Radio System Equip	1,600,000	1,600,000	0	0	0	0	0	0	0
Other Total by Project	40,750,750	22,304,750	3,396,000	7,490,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000
Paygo	32,411,718	20,390,752	2,370,966	2,090,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000
Future Bonds	6,011,000	0	611,000	5,400,000	0	0	0	0	0
Prior Bonds	0	155,000	0	0	0	0	0	0	0
Special Paygo	0	0	0	0	0	0	0	0	0
Reappropriated	138,865	138,865	0	0	0	0	0	0	0
Federal	169,300	169,300	0	0	0	0	0	0	0
State	190,000	70,000	120,000	0	0	0	0	0	0
Developer	64,650	64,650	0	0	0	0	0	0	0
Other	1,610,217	1,316,183	294,034	0	0	0	0	0	0
Other Total by Fund	40,750,750	22,304,750	3,396,000	7,490,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000
<b>TOTAL HIGHWAYS CAPITAL</b>	<b>194,342,526</b>	<b>101,846,526</b>	<b>16,191,000</b>	<b>24,495,000</b>	<b>16,015,000</b>	<b>11,680,000</b>	<b>12,280,000</b>	<b>11,835,000</b>	<b>11,835,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>WATER &amp; SEWER FUND</b>								
<b>WATER PROJECTS</b>								
<b>FY 19 Funded Projects:</b>								
Abingdon Water Treatment Plant PH	2,750,000	0	250,000	2,500,000	0	0	0	0
Efficiency Capital Investment Projects	365,000	300,000	65,000	0	0	0	0	0
Fleet Maintenance Facility	1,140,000	30,000	110,000	1,000,000	0	0	0	0
Fleet Replacement	9,062,000	4,262,000	800,000	800,000	800,000	800,000	800,000	800,000
Havre de Grace Water Treatment Plant	1,150,000	0	150,000	1,000,000	0	0	0	0
Infrastructure Management System Enhancements	600,000	300,000	50,000	50,000	50,000	50,000	50,000	50,000
Perryman GAC Plant Improvements	1,000,000	500,000	500,000	0	0	0	0	0
Perryman Wellfield Improvements	350,000	200,000	150,000	0	0	0	0	0
Refresh Program	917,000	467,000	75,000	75,000	75,000	75,000	75,000	75,000
Renewal and Replacement Water	3,500,000	400,000	300,000	1,400,000	800,000	300,000	300,000	0
Safeguarding Business Operations	3,711,650	3,186,650	400,000	125,000	0	0	0	0
SCADA Information Management	1,100,000	0	250,000	750,000	100,000	0	0	0
Tank Painting	5,600,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
US 40 and Rt 159 SHA Water Relocat	3,900,000	3,800,000	100,000	0	0	0	0	0
US 40 Water Main Replacement	2,200,000	0	200,000	2,000,000	0	0	0	0
Water & Sewer Infrastructure Improvement Projects	6,000,000	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Water Meter Upgrade	2,710,000	1,210,000	250,000	250,000	250,000	250,000	250,000	250,000
Water Tank Design and Construction	5,700,000	0	300,000	0	400,000	5,000,000	0	0
Water Zone Improvements	1,430,000	600,000	230,000	200,000	0	200,000	0	200,000
<b>Outyear Projects:</b>								
Central W&S Laboratory	400,000	0	0	0	400,000	0	0	0
Oak Grove Booster Station	330,000	0	0	330,000	0	0	0	0
<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	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
Fuel Dispensing System Upgrade	120,000	120,000	0	0	0	0	0	0
HMAN	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
Replacement of Water Booster Station SCADA	1,500,000	1,500,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equip	649,000	649,000	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 Manageme	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 System Model Study	300,000	300,000	0	0	0	0	0	0
<b>Water Total by Project</b>	<b>154,799,650</b>	<b>116,939,650</b>	<b>5,980,000</b>	<b>12,280,000</b>	<b>4,675,000</b>	<b>8,475,000</b>	<b>3,275,000</b>	<b>3,175,000</b>
<b>Paygo</b>	<b>35,639,094</b>	<b>16,309,094</b>	<b>4,380,000</b>	<b>3,750,000</b>	<b>2,775,000</b>	<b>2,875,000</b>	<b>2,675,000</b>	<b>2,875,000</b>
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	16,690,000	0	1,260,000	8,230,000	1,600,000	5,300,000	300,000	0
Prior Bonds	98,312,460	98,312,460	0	0	0	0	0	0
Reappropriated	2,018,096	2,018,096	0	0	0	0	0	0
State	340,000	300,000	40,000	0	0	0	0	0
Developer	1,800,000	0	300,000	300,000	300,000	300,000	300,000	300,000
<b>Water Total by Fund</b>	<b>154,799,650</b>	<b>116,939,650</b>	<b>5,980,000</b>	<b>12,280,000</b>	<b>4,675,000</b>	<b>8,475,000</b>	<b>3,275,000</b>	<b>3,175,000</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>SEWER PROJECTS</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Bio Solids Facilities Enhancements	13,150,000	4,900,000	4,000,000	0	4,250,000	0	0	0
Brentwood Park Pumping Station Improvements	1,450,000	200,000	1,250,000	0	0	0	0	0
Delta WWTP Plant Upgrades	225,000	200,000	25,000	0	0	0	0	0
Fallston Area Sewer	3,800,000	0	3,800,000	0	0	0	0	0
Freys Road Sewer Petition	800,000	0	800,000	0	0	0	0	0
Hickory Sewer Infrastructure Improvement Project	3,000,000	0	3,000,000	0	0	0	0	0
Infiltration and Inflow	650,000	350,000	100,000	0	100,000	0	100,000	0
Inventory Storage and Control Improvements	5,635,000	85,000	300,000	3,200,000	2,050,000	0	0	0
Pumping Station Improvements	1,065,000	65,000	200,000	200,000	200,000	200,000	200,000	0
Renewal and Replacement Sewer Infrastructure	2,000,000	800,000	300,000	300,000	300,000	300,000	0	0
Sod Run Facility Improvements	7,400,000	3,100,000	1,300,000	1,000,000	700,000	1,000,000	300,000	0
Sod Run WWTP Ultraviolet Disinfection Project	3,200,000	200,000	3,000,000	0	0	0	0	0
Town Center Drive Pump Station Replacement	585,000	350,000	235,000	0	0	0	0	0
Utility Protection/Restoration	1,700,000	700,000	200,000	200,000	200,000	200,000	200,000	0
<b><u>Outyear Projects</u></b>								
Bill Bass PS FM Replacement	11,200,384	900,384	0	4,100,000	0	6,200,000	0	0
Edgewood Interceptor Sewer Parallel	4,250,000	650,000	0	0	0	0	3,600,000	0
Lower Bynum Run Interceptor Phase 6&7	18,120,324	12,120,324	0	0	0	2,500,000	3,500,000	0
Plum Tree Collector Sewer and Pumping Station	6,000,000	0	0	0	0	600,000	5,400,000	0
<b><u>Open Projects:</u></b>								
Bush Creek Pump Station	28,400,000	28,400,000	0	0	0	0	0	0
Bynum Ridge Replacement Sewer	800,000	800,000	0	0	0	0	0	0
Harford WWTP Facility Improvements	885,000	885,000	0	0	0	0	0	0
Oaklyn Manor/Joppa Area Sewer Relief	1,950,300	1,950,300	0	0	0	0	0	0
Ring Factory PS & Fairwind Farms Abandonment	1,465,000	1,465,000	0	0	0	0	0	0
<b>Sewer Total by Project</b>	<b>117,731,008</b>	<b>58,121,008</b>	<b>18,510,000</b>	<b>9,000,000</b>	<b>7,800,000</b>	<b>11,000,000</b>	<b>13,300,000</b>	<b>0</b>
Paygo	18,866,450	8,756,450	2,160,000	3,900,000	2,850,000	700,000	500,000	0
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	49,500,000	0	16,350,000	5,100,000	4,950,000	10,300,000	12,800,000	0
Prior Bonds	0	46,892,256	0	0	0	0	0	0
Reappropriated	1,042,002	1,042,002	0	0	0	0	0	0
State	0	0	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	180,000	180,000	0	0	0	0	0	0
<b>Sewer Total by Fund</b>	<b>117,731,008</b>	<b>58,121,008</b>	<b>18,510,000</b>	<b>9,000,000</b>	<b>7,800,000</b>	<b>11,000,000</b>	<b>13,300,000</b>	<b>0</b>
<b>TOTAL WATER &amp; SEWER CAPITAL</b>	<b>272,530,658</b>	<b>175,060,658</b>	<b>24,490,000</b>	<b>21,280,000</b>	<b>12,475,000</b>	<b>19,475,000</b>	<b>16,575,000</b>	<b>3,175,000</b>
	<b>TOTAL COST</b>	<b>PRIOR APPROP</b>	<b>BUDGET FY 2019</b>	<b>FY 2020</b>	<b>FIVE YEAR CAPITAL PROGRAM</b>			
					<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>TOTAL CAPITAL IMPROVEMENT PROGRAM</b>	<b>1,582,681,975</b>	<b>995,113,675</b>	<b>167,230,000</b>	<b>120,444,700</b>	<b>72,192,100</b>	<b>85,019,700</b>	<b>77,151,700</b>	<b>65,530,100</b>

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**

<u>Project Title/Description</u>	<u>FY 19 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 19 a new judge's chamber, entry renovation, masonry window restoration and roof replacement are planned.	\$3,000,000	\$10,327,500	Anticipated savings by replacing or repairing outdated and inefficient building systems with new, more efficient technologies. This will result in reduced maintenance and downtime costs.
<u>Harford County Agricultural Research and Exposition Center</u> This project will provide funding for site, engineering and construction costs of an agricultural research and exposition facility in Harford County.	\$750,000	\$1,400,000	There will be an impact on utility services and contractual services (electric, janitorial, trash and septic).
<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.	\$3,025,000	\$27,475,000	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.	\$900,000	\$7,150,000	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 19 Budget Appropriation</u></b>	<b><u>Total Project Cost</u></b>	<b><u>Operating Budget Impact</u></b>
<p><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.</p>	\$900,000	\$10,143,452	Long term maintenance fees for new stormwater facilities.
<p><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.</p>	\$875,000	\$7,960,886	Long term maintenance fees for new stormwater facilities.
<p><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.</p>	\$400,000	\$4,672,922	Long term maintenance fees for new stormwater facilities.
<p><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.</p>	\$1,450,000	\$12,000,000	Long term maintenance fees for new stormwater facilities.
<p><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.</p>	\$150,000	\$7,139,607	Long term maintenance fees for new stormwater facilities.

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**

<u>Project Title/Description</u>	<u>FY 19 Budget Appropriation</u>	<u>Total Project Cost</u>	<u>Operating Budget Impact</u>
<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.	\$1,000,000	\$2,150,000	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.	\$150,000	\$16,850,000	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.	\$150,000	\$1,405,000	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.	\$800,000	\$3,850,000	Weekly maintenance, including trail maintenance and trash collection.

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**

<u>Project Title/Description</u>	<u>FY 19 Budget Appropriation</u>	<u>Total Project Cost</u>	<u>Operating Budget Impact</u>
<b><i>PARKS AND RECREATION PROJECTS:</i></b>			
<p><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.</p>	\$3,100,000	\$14,581,000	<p>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 \$132,300 per mowing season. This is the equivalent of approximately 2.5 FTE Maintenance Worker I positions for the Department.</p>
<p><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.</p>	\$5,500,000	\$14,600,000	<p>Weekly maintenance, including trail maintenance and trash collection.</p>
<p><u>Rock Glenn Park</u> Construction of two multipurpose fields, parking and multipurpose courts on the Rock Glenn property in the Aberdeen community, where population growth has generated a demand for additional facilities.</p>	\$100,000	\$1,410,000	<p>Weekly maintenance and trash collection.</p>

**CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET**

<u>Project Title/Description</u>	<u>FY 19 Budget Appropriation</u>	<u>Total Project Cost</u>	<u>Operating Budget Impact</u>
<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	\$19,442,000	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	\$890,500	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.	\$400,000	\$3,462,450	Annual license/maintenance fees associated with this project.
<u>Resurfacing Roadways</u> The purpose of this project is to upgrade and overlay the County's 630+ miles of asphalt road.	\$5,563,245	\$37,518,262	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 19 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>			
<p><u>Fleet Replacement</u> The purpose of this project is to replace existing vehicles and equipment that has exceeded their useful life.</p>	\$800,000	\$9,062,000	Long term reductions in vehicle maintenance expenditures and downtime of needed equipment.
<p><u>Refresh Program</u> This project is to refresh computers, network infrastructure, servers, storage, software and peripherals throughout the County.</p>	\$75,000	\$917,000	Ability to order large volume of computers at one time, reducing the impact of replacing too much equipment at one time.
<p><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, &amp; Database modernization.</p>	\$400,000	\$3,711,650	Annual license/maintenance fees associated with this project.

Included in the FY 19 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**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<b>GENERAL PROJECTS:</b>							
<u>Abingdon Library Window Replacement</u> This project will replace approximately 6,350 square feet of defective curtain wall window system.	589,000	0	0	0	0	0	\$589,000
<u>Courthouse Building Repairs</u> This project provides funds for repairs and renovations to the Courthouse building.	3,000,000	300,000	0	0	0	0	\$3,300,000
<u>Facilities Repair Program</u> This project provides funding for replacement, renovation and repairs of county building systems.	5,000,000	500,000	500,000	500,000	500,000	0	\$7,000,000
<u>Fleet Maintenance Facility</u> This project will provide for engineering & design of a new Fleet Maintenance/Radio Shop facility.	829,000	4,000,000	0	0	0	0	\$4,829,000
<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.	750,000	0	0	0	0	0	\$750,000
<u>Site Acquisition</u> This project is for the acquisition of privately owned land in those areas of need where donated land appears unlikely.	1,000,000	500,000	500,000	500,000	500,000	500,000	\$3,500,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<b>GENERAL PROJECTS (cont):</b>							
<u>Underground and Aboveground Storage Tank Maintenance</u> This project will provide for inspection, design and construction to replace, repair and retrofit the various 130 aboveground and 16 underground storage tanks maintained by Harford County.	539,000	0	0	0	0	0	\$539,000
<b>PUBLIC SAFETY PROJECTS:</b>							
<u>Mobile/Portable Radio System Upgrade</u> This project will provide for upgrades to a county-wide radio system to include law enforcement, public safety & public service.	1,000,000	1,000,000	0	0	0	0	\$2,000,000
<b>STORMWATER MANAGEMENT PROJECTS:</b>							
<u>Bynum Run @ St. Andrews Way Stream Restoration</u> This project provides for the design and construction of a stream restoration at Bynum Run.	200,000	0	0	0	0	0	\$200,000
<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.	1,800,000	1,900,000	2,000,000	2,250,000	2,350,000	2,450,000	\$12,750,000
<u>Joppatowne Area Watershed Restoration</u> Dredging and restoration in the areas of Foster Branch and Rumsey Island in Joppatowne.	400,000	400,000	400,000	400,000	400,000	400,000	\$2,400,000
<u>Plumtree Run Watershed Restoration</u> Stream restoration and stormwater management retrofit in the Plumtree Run Watershed.	400,000	400,000	400,000	400,000	400,000	400,000	\$2,400,000
<u>Riverside Area Watershed Restoration</u> Restoration projects in the Riverside Area Watershed including Declaration Run, Bush Creek and the Riverside community.	400,000	400,000	400,000	400,000	400,000	400,000	\$2,400,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<b><i>STORMWATER MANAGEMENT PROJECTS (cont.):</i></b>							
<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
<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.	800,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$5,800,000
<u>Watershed Restoration Assessment</u> This project provides funding for management tools used to develop programs to address water quality issues.	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	\$7,200,000
<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.	400,000	400,000	400,000	400,000	400,000	400,000	\$2,400,000
<u>Watershed Restoration Maintenance</u> 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.	0	100,000	100,000	100,000	100,000	100,000	\$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	0	0	0	\$450,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</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.	2,762,000	330,400	0	0	0	0	\$3,092,400
<b><i>BOARD OF EDUCATION:</i></b>							
<u>Fallston Chiller Replacement</u> This project is to replace the water cooled chiller at Fallston Middle School with an air cooled chiller.	446,000	0	0	0	0	0	\$446,000
<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.	32,287,000	16,588,000	0	0	0	0	\$48,875,000
<u>Roof Replacement - Aberdeen Middle School</u> This project will provide for necessary roof replacement to prevent damage to the interior of the building	1,219,000	0	0	0	0	0	\$1,219,000
<u>Major HVAC Repairs</u> This project provides funding for large major equipment and replacement of HVAC equipment at various school buildings.	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$5,000,000
<u>Major Roof Repair/Replacement</u> This project provides funding for large major repairs and replacement of roofs for Harford County Public Schools.	0	750,000	750,000	750,000	750,000	750,000	\$3,750,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<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.	150,000	1,400,000	700,000	700,000	700,000	800,000	\$4,450,000
<u>Swan Harbor Farm Improvements</u> This project proposes renovations and improvements at Swan Harbor Farm. Funding for FY 19 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	1,050,000	0	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	500,000	7,500,000	500,000	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	6,500,000	200,000	\$6,700,000
<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	500,000	6,500,000	\$7,000,000
<b><u>TOTAL PLANNED 20 YEAR GENERAL FUND BONDS:</u></b>	<b><u>55,621,000</u></b>	<b><u>32,618,400</u></b>	<b><u>11,350,000</u></b>	<b><u>17,400,000</u></b>	<b><u>17,500,000</u></b>	<b><u>16,400,000</u></b>	<b><u>\$150,889,400</u></b>

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</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	580,000	0	0	0	0	\$580,000
<u>Chestnut Hill Bridge #40</u> This project will replace the current single lane bridge that has a deteriorating superstructure and inadequate waterway opening.	268,000	0	0	0	0	0	\$268,000
<u>Glen Cove Road Bridge #156</u> This project will replace the bridge that carries Glen Cove Road over Peddler Run. The existing concrete deck, beams and wingwalls are severely deteriorated.	200,000	300,000	0	0	0	0	\$500,000
<u>Green Road Bridges #119 and #122</u> This project will replace two bridges that carry Green Road over a tributary of Deer Creek. The beams, deck and abutments are deteriorating on both bridges.	400,000	0	0	0	0	0	\$400,000
<u>Johnson Mill Road Bridge #45</u> This project will replace a single lane structure that has an average daily traffic volume of approximately 500 vehicles.	60,000	0	470,000	0	0	0	\$530,000
<u>New Park Road Bridge #125</u> This project will replace the current narrow and poorly aligned bridge over Island Branch.	400,000	0	0	0	0	0	\$400,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<b><i>HIGHWAYS FUND PROJECTS (cont.):</i></b>							
<u>Robinson Mill Road Bridge #154</u> This project will replace the entire bridge that carries Robinson Mill Road over Broad Creek. Existing beams and deck are severely deteriorated.	50,000	0	0	0	0	0	\$50,000
<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	1,020,000	\$1,240,000
<u>Deep Run Road Bridge #152</u> This project is to replace the bridge that carries Deep Run Road over Deep Run.	0	0	200,000	20,000	0	1,020,000	\$1,240,000
<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	250,000	50,000	0	850,000	0	\$1,150,000
<u>Glenville Road Bridge #30</u> 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.	0	0	0	836,000	0	0	\$836,000
<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	0	200,000	25,000	0	\$225,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</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	200,000	10,000	0	\$210,000
<u>Stafford Road Bridge #24</u> This bridges carries Stafford Road over Deer Creek. This bridge, built in 1950, shows numerous deficiencies and deterioration.	0	320,000	0	0	0	0	\$320,000
<u>Schucks Road Improvements</u> This project is to replace the existing culvert on Schucks Road at Edwards Lane.	400,000	0	0	0	0	0	\$400,000
<u>Spesutia Road Reconstruction/Upgrade</u> This project consists of improving Spesutia Road between US 40 and US 159 to address safety and traffic volume increases due to continuous and ongoing development in the area.	500,000	250,000	4,650,000	0	0	0	\$5,400,000
<u>Bata Boulevard Access Road</u> This project will construct an access road from MD 543 directly to Bata Boulevard.	0	150,000	0	0	450,000	0	\$600,000
<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.	561,000	5,100,000	0	0	0	0	\$5,661,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<i>HIGHWAYS FUND PROJECTS (cont.):</i>							
<u>Salt Dome</u> This project will provide for the construction of a salt dome and satellite Highways shop for the northwestern portion of the County.	50,000	300,000	0	0	0	0	\$350,000
<b><u>TOTAL PLANNED 20 YEAR HIGHWAYS FUND BONDS:</u></b>	<b><u>2,889,000</u></b>	<b><u>7,250,000</u></b>	<b><u>5,570,000</u></b>	<b><u>1,276,000</u></b>	<b><u>1,335,000</u></b>	<b><u>2,040,000</u></b>	<b><u>\$20,360,000</u></b>

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<b><i>WATER AND SEWER FUND PROJECTS:</i></b>							
<u>Abingdon Water Treatment Plant pH Control System</u> This project is for the design of a new pH and alkalinity control system at the Abingdon Water Treatment plant.	250,000	2,500,000	0	0	0	0	\$2,750,000
<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.	110,000	1,000,000	0	0	0	0	\$1,110,000
<u>Havre de Grace Water Treatment Plant Upgrade</u> This project provides funding for improvements and upgrades required throughout the Treatment Plant.	150,000	1,000,000	0	0	0	0	\$1,150,000
<u>Perryman Wellfield Improvements</u> This project allows for the design and construction of new wells and wellhouses for four wells in the Perryman well system that are reaching the end of their economic life.	150,000	0	0	0	0	0	\$150,000
<u>Renewal and Replacement Water Infrastructure</u> This project will provide funding for the design, evaluations, refurb and/or replacement of major water mains, valves, vaults, etc. and apparatus that have or are nearing the end of their useful life.	300,000	1,400,000	800,000	300,000	300,000	0	\$3,100,000
<u>US 40 and Rt. 159 SHA Water Relocation</u> The County has two water transmission lines that are in conflict with SHA improvements at this location, this project will allow for reconstruction of those lines.	100,000	0	0	0	0	0	\$100,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<b><i>WATER AND SEWER FUND PROJECTS (cont.):</i></b>							
<u>US 40 Water Main Replacement</u> This project will allow for the design and construction of a parallel or replacement water main along route 40.	200,000	2,000,000	0	0	0	0	\$2,200,000
<u>Water Tank Design and Construction</u> This project provides for the study, land acquisition, design and construction of a new water storage tank in Zone 1 or Zone IV to meet Adequate Public Facility (APF) requirements.	0	0	400,000	5,000,000	0	0	\$5,400,000
<u>Central W&amp;S Laboratory</u> This project provides for the study and design of a central consolidated laboratory for the Division of Water and Sewer.	0	0	400,000	0	0	0	\$400,000
<u>Oak Grove Booster Station</u> 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.	0	330,000	0	0	0	0	\$330,000
<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	0	4,250,000	0	0	0	\$8,250,000
<u>Brentwood Park Pumping Station Improvements</u> These upgrades would include improving access to the underground station, increasing the size of pumps, motors and electrical controls to accommodate the future flows.	1,250,000	0	0	0	0	0	\$1,250,000

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

**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<b><i>WATER AND SEWER FUND PROJECTS (cont.):</i></b>							
<u>Fallston Area Sewer</u> This project includes design and construction for rehabilitation of existing sewer mains and pumping stations as defined in the Fallston Sewer Capacity Study.	3,800,000	0	0	0	0	0	\$3,800,000
<u>Hickory Sewer Infrastructure Improvement Project</u> This project will identify and implement infrastructure improvements to include the activities of studying, evaluation, designing and construction.	3,000,000	0	0	0	0	0	\$3,000,000
<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.	1,300,000	1,000,000	700,000	1,000,000	300,000	0	\$4,300,000
<u>Sod Run WWTP Ultraviolet Disinfection Project</u> 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 (UV) system.	3,000,000	0	0	0	0	0	\$3,000,000
<u>Bill Bass PS FM Replacement</u> 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.	0	4,100,000	0	6,200,000	0	0	\$10,300,000

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

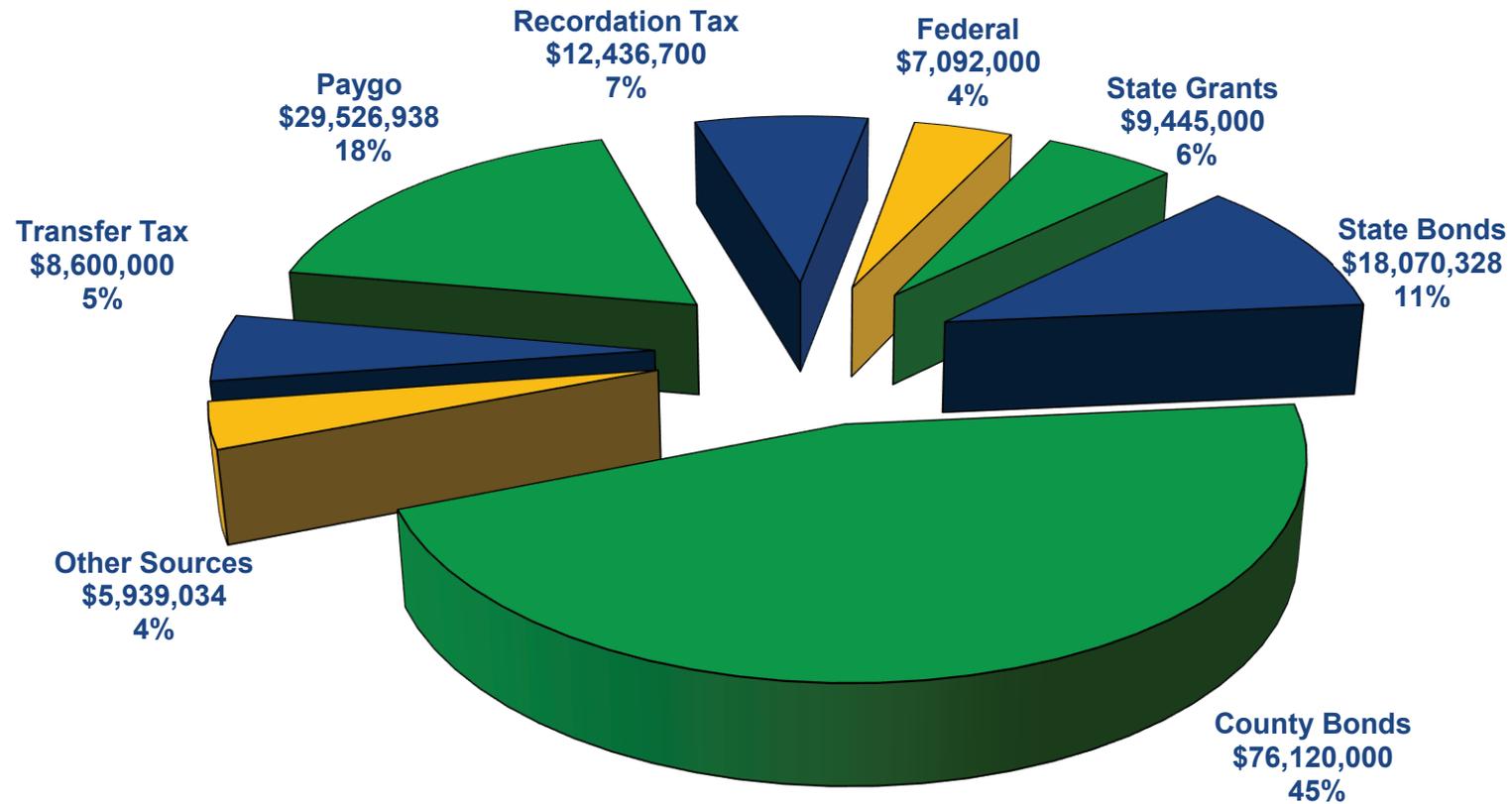
**PLANNED BOND FUNDING**

<u>Project Title/Purpose</u>	<u>FY 19 Budget</u>	<u>FY 20</u>	<u>FY 21</u>	<u>FY 22</u>	<u>FY 23</u>	<u>FY 24</u>	<u>Total Bond Funding</u>
<b><i>WATER AND SEWER FUND PROJECTS (cont.):</i></b>							
<u>Edgewood Interceptor Sewer Parallel</u> This project shall allow for the design and construction of 36 inch parallel sewer between Bill Bass Pump Station and Winter's Run Outfall Sewer.	0	0	0	0	3,600,000	0	\$3,600,000
<u>Lower Bynum Run Interceptor Phase 6&amp;7</u> This project will provide funding for design, permits and construction of a parallel to the existing Bynum Run interceptor, from Wheel Road to the Plumtree Interceptor.	0	0	0	2,500,000	3,500,000	0	\$6,000,000
<u>Plum Tree Collector Sewer and Pumping Station</u> This project is for the upgrade and capacity increase to the Plum Tree Pumping Station and Collector sewer.	0	0	0	600,000	5,400,000	0	\$6,000,000
<b><u>TOTAL PLANNED 20 YEAR WATER &amp; SEWER FUND BONDS:</u></b>	<b><u>17,610,000</u></b>	<b><u>13,330,000</u></b>	<b><u>6,550,000</u></b>	<b><u>15,600,000</u></b>	<b><u>13,100,000</u></b>	<b><u>0</u></b>	<b><u>\$66,190,000</u></b>
<b><u>TOTAL PLANNED 20 ALL FUNDS BONDS:</u></b>	<b><u>76,120,000</u></b>	<b><u>53,198,400</u></b>	<b><u>23,470,000</u></b>	<b><u>34,276,000</u></b>	<b><u>31,935,000</u></b>	<b><u>18,440,000</u></b>	<b><u>\$237,439,400</u></b>

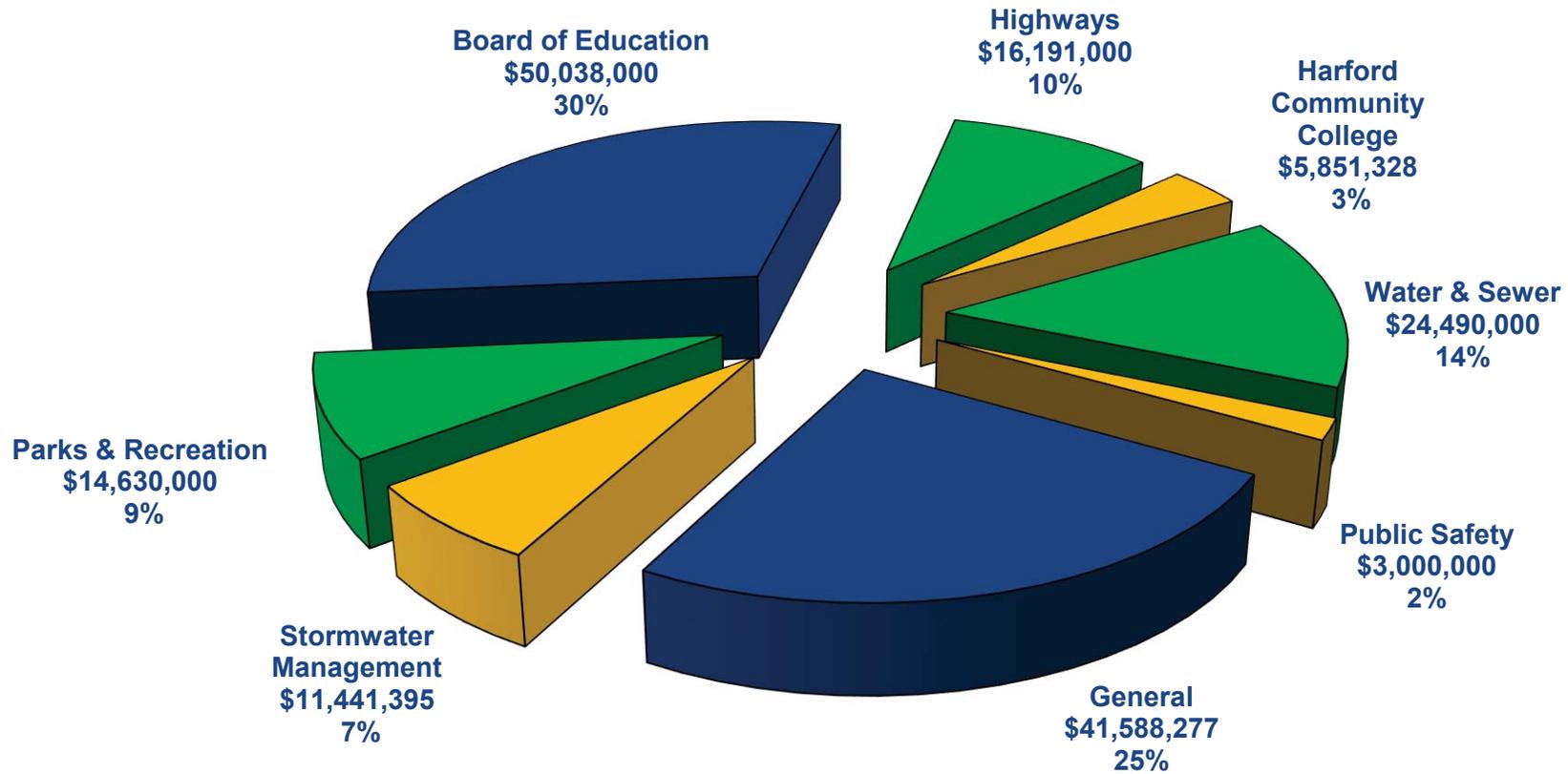
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**FY 19 APPROVED  
CAPITAL BUDGET  
SUMMARY**

**APPROVED CAPITAL BUDGET  
REVENUES  
FISCAL YEAR 2018 - 2019  
TOTAL BUDGET \$167,230,000**



**APPROVED CAPITAL BUDGET  
APPROPRIATIONS  
FISCAL YEAR 2018 - 2019  
TOTAL BUDGET \$167,230,000**



**\*General includes Solid Waste and Libraries funding.**

FY 19 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

Abingdon Library Window Replacement	1,259,000	0	0	0	589,000	0	0	0	670,000	0	0	0	0
Board of Education Debt Service 19	21,756,700	0	0	0	0	3,050,000	8,600,000	10,106,700	0	0	0	0	0
Courthouse Building Repairs	3,000,000	0	0	0	3,000,000	0	0	0	0	0	0	0	0
Efficiency Capital Investment Projects	65,000	0	25,000	0	0	0	0	0	40,000	0	0	0	0
Facilities Repair Program	5,800,000	0	0	0	5,000,000	0	0	0	200,000	0	600,000	0	0
Fleet Maintenance Facility	829,000	0	0	0	829,000	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
GIS Update	(23,901)	(23,901)	0	0	0	0	0	0	0	0	0	0	0
Harford County Agricultural Research & Exposition Center	750,000	0	0	0	750,000	0	0	0	0	0	0	0	0
Harford Cable Network High-Definition Upgrade	350,000	200,000	100,000	0	0	0	0	0	0	0	0	0	50,000
Harford County Metro Area Network (HMAN)	80,000	0	0	0	0	0	0	0	0	0	0	0	80,000
Refresh Program	168,478	67,506	100,972	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	1,700,000	0	1,700,000	0	0	0	0	0	0	0	0	0	0
Site Acquisition	1,000,000	0	0	0	1,000,000	0	0	0	0	0	0	0	0
Underground and Aboveground Tank Management	539,000	0	0	0	539,000	0	0	0	0	0	0	0	0
Voting Equipment	(200,000)	(200,000)	0	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL GENERAL</b>	<b>39,073,277</b>	<b>43,605</b>	<b>3,925,972</b>	<b>0</b>	<b>11,707,000</b>	<b>3,050,000</b>	<b>8,600,000</b>	<b>10,106,700</b>	<b>910,000</b>	<b>0</b>	<b>600,000</b>	<b>0</b>	<b>130,000</b>

STORMWATER MANAGEMENT

Bynum Run @ St. Andrews Way Stream Restoration	800,000	0	0	0	200,000	0	0	0	600,000	0	0	0	0
County Owned Stormwater Management Rehab & Repair*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
County Owned Watershed Restoration Improvements	3,025,000	0	0	0	1,800,000	0	0	0	1,225,000	0	0	0	0
Joppatowne Area Watershed Restoration	900,000	0	0	0	400,000	0	0	0	500,000	0	0	0	0
Maintenance/Repair of Dams FY 14	350,000	0	0	0	0	0	0	0	0	0	0	0	350,000
Plumtree Run Watershed Restoration	900,000	0	0	0	400,000	0	0	0	150,000	0	350,000	0	0
Riverside Area Watershed Restoration	875,000	0	0	0	400,000	0	0	0	475,000	0	0	0	0
Sams Branch Watershed Restoration	400,000	0	0	0	300,000	0	0	0	100,000	0	0	0	0
Septic System Disconnection*	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Stormwater Enhancement	85,000	0	0	0	0	0	0	0	0	0	0	85,000	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	1,450,000	0	0	0	800,000	0	0	0	650,000	0	0	0	0
Watershed Restoration Assessment	1,600,000	0	0	0	1,200,000	0	0	0	300,000	0	100,000	0	0
Watershed Restoration Improvements	550,000	0	0	0	400,000	0	0	0	150,000	0	0	0	0
Watershed Restoration Improvements 06	(26,583)	(26,583)	0	0	0	0	0	0	0	0	0	0	0
Watershed Restoration Maintenance*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Watershed/Stream Assessment Studies	(17,022)	(17,022)	0	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

<b>SUB-TOTAL STORMWATER MANAGEMENT</b>	<b>11,441,395</b>	<b>(43,605)</b>	<b>400,000</b>	<b>0</b>	<b>6,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,150,000</b>	<b>0</b>	<b>450,000</b>	<b>85,000</b>	<b>350,000</b>
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FY 19 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

**PUBLIC SAFETY**

Joppatowne Magnolia Fire Station Expansion	540,000	0	540,000	0	0	0	0	0	0	0	0	0	0
Mobile/Portable Radio System Upgrade	1,000,000	0	0	0	1,000,000	0	0	0	0	0	0	0	0
911 State Fee Fund	300,000	0	0	0	0	0	0	0	300,000	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	460,000	0	460,000	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>3,000,000</b>	<b>0</b>	<b>1,700,000</b>	<b>0</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**HARFORD COMMUNITY COLLEGE**

Fallston Hall Renovations	5,851,328	0	0	0	2,762,000	0	0	0	3,089,328	0	0	0	0
<b>SUB-TOTAL HARFORD COMMUNITY COLLEGE</b>	<b>5,851,328</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,762,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,089,328</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**LIBRARIES**

Technology	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL LIBRARIES</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>									

FY 19 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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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 Encl.	568,000	0	0	0	0	0	0	0	568,000	0	0	0	0
Fallston Chiller Replacement	1,000,000	0	0	0	446,000	0	0	0	554,000	0	0	0	0
Havre de Grace Middle/High School Replacement	43,831,000	0	0	0	32,287,000	0	0	0	11,544,000	0	0	0	0
Replacement Buses	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Roof Replacement - Aberdeen Middle School	2,664,000	0	0	0	1,219,000	0	0	0	1,445,000	0	0	0	0
Security Measures	325,000	0	325,000	0	0	0	0	0	0	0	0	0	0
Swimming Pool Renovations	300,000	0	300,000	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>50,038,000</b>	<b>0</b>	<b>1,975,000</b>	<b>0</b>	<b>33,952,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,111,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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<b>SUB-TOTAL GENERAL FUND CAPITAL</b>	<b>109,604,000</b>	<b>0</b>	<b>8,200,972</b>	<b>0</b>	<b>55,471,000</b>	<b>3,050,000</b>	<b>8,600,000</b>	<b>10,106,700</b>	<b>22,560,328</b>	<b>0</b>	<b>1,050,000</b>	<b>85,000</b>	<b>480,000</b>
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FY 19 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>SOLID WASTE SERVICES</u>													
<b>SOLID WASTE SERVICES</b>													
HWDC Expansion	265,000	0	265,000	0	0	0	0	0	0	0	0	0	0
Waste to Energy Facility Closure	2,050,000	0	2,050,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL SOLID WASTE CAPITAL</b>	<b>2,315,000</b>	<b>0</b>	<b>2,315,000</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>	<b>0</b>	<b>0</b>
<b>TOTAL ALL GENERAL FUND CAPITAL</b>	<b>111,919,000</b>	<b>0</b>	<b>10,515,972</b>	<b>0</b>	<b>55,471,000</b>	<b>3,050,000</b>	<b>8,600,000</b>	<b>10,106,700</b>	<b>22,560,328</b>	<b>0</b>	<b>1,050,000</b>	<b>85,000</b>	<b>480,000</b>

FY 19 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>PARKS &amp; RECREATION FUND</b>													
<b>PARKS &amp; RECREATION</b>													
Anita C. Leight Center Improvements	250,000	0	0	0	0	0	0	150,000	0	0	0	0	100,000
Athletic Field Improvements	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Bleacher Renovations	60,000	0	0	0	0	0	0	30,000	0	0	0	0	30,000
Bush River Dredging and DMP Site	890,000	0	0	0	0	0	0	40,000	850,000	0	0	0	0
Canoe and Kayak Water Access	150,000	0	0	0	0	50,000	0	50,000	0	0	0	0	50,000
Cedar Lane Sports Complex Improvements*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Eden Mill Park Rehabilitation	200,000	0	0	0	0	200,000	0	0	0	0	0	0	0
Edgewood Recreation Park	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Emily Bayliss Graham Park	800,000	0	0	0	0	0	0	200,000	0	600,000	0	0	0
Emmorton Recreation & Tennis Center Improvements	500,000	0	0	0	0	50,000	0	350,000	0	0	0	50,000	50,000
Equestrian Center Improvements	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Facility Renovations	150,000	0	0	0	0	0	0	150,000	0	0	0	0	0
Flying Point Park Improvements	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Forest Hill Recreation Complex Improvements	600,000	0	0	0	0	0	0	0	0	0	0	0	600,000
Fox Meadows Park Improvements	350,000	0	0	0	0	0	0	350,000	0	0	0	0	0
Gunpowder River Dredging	470,000	0	0	0	0	150,000	0	100,000	220,000	0	0	0	0
Gymnasium Floor Repair and Renovation	75,000	0	0	0	0	0	0	50,000	0	0	0	0	25,000
Jarrettsville Complex Restrooms	(80,000)	0	0	0	0	0	0	(80,000)	0	0	0	0	0
Mariner Point Park Renovations	275,000	0	0	0	0	0	0	150,000	0	125,000	0	0	0
Natural Turf Improvements	50,000	0	0	0	0	0	0	0	0	0	0	0	50,000
Park Improvements	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Parking Lot Paving	155,000	0	0	0	0	100,000	0	55,000	0	0	0	0	0
Parkland Acquisition	3,100,000	0	0	0	0	0	0	100,000	0	3,000,000	0	0	0
Playground Equipment	250,000	0	0	0	0	100,000	0	125,000	0	0	0	25,000	0
Rock Glenn Park	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Swan Harbor Farm Improvements**	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Tennis/Multipurpose Court	200,000	0	0	0	0	100,000	0	100,000	0	0	0	0	0
Trails and Linear Parks	5,500,000	0	1,500,000	0	0	0	0	0	0	0	4,000,000	0	0
Tudor Hall Rehabilitation	60,000	0	0	0	0	0	0	60,000	0	0	0	0	0

\*Paygo - Hotel Tax Revenue  
 \*\*Swan Harbor Special Paygo

<b>TOTAL PARKS &amp; RECREATION CAPITAL</b>	<b>14,630,000</b>	<b>0</b>	<b>1,625,000</b>	<b>0</b>	<b>150,000</b>	<b>750,000</b>	<b>0</b>	<b>2,330,000</b>	<b>1,070,000</b>	<b>3,725,000</b>	<b>4,000,000</b>	<b>75,000</b>	<b>905,000</b>
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FY 19 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>													
<b>HIGHWAYS</b>													
<b>BRIDGES</b>													
Abingdon Road Bridge #169 over CSX	250,000	0	50,000	0	0	0	0	0	0	0	200,000	0	0
Bridge & Road Scour Repairs	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program	850,000	0	0	0	0	0	0	0	0	0	850,000	0	0
Bridge Rehabilitation	841,381	91,381	750,000	0	0	0	0	0	0	0	0	0	0
Carea Road Bridge #126	(68,897)	(68,897)	0	0	0	0	0	0	0	0	0	0	0
Chestnut Hill Bridge #40	1,180,000	0	0	0	268,000	0	0	0	0	0	912,000	0	0
Culvert Rehabilitation	105,000	5,000	100,000	0	0	0	0	0	0	0	0	0	0
Edwards Lane Culvert	(5,000)	(5,000)	0	0	0	0	0	0	0	0	0	0	0
Glen Cove Road Bridge #156	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Green Road Bridges #119 and #122	400,000	0	0	0	400,000	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	400,000	0	0	0	400,000	0	0	0	0	0	0	0	0
Phillips Mill Road Bridge #70	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Pleasantville Road Bridge #60	225,000	0	225,000	0	0	0	0	0	0	0	0	0	0
Robinson Mill Road Bridge	130,000	0	0	0	50,000	0	0	0	0	0	80,000	0	0
Watervale Road Bridge #63	(22,484)	(22,484)	0	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL BRIDGES</b>	<b>4,695,000</b>	<b>0</b>	<b>1,275,000</b>	<b>0</b>	<b>1,378,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,042,000</b>	<b>0</b>	<b>0</b>
<b>ROADWAYS</b>													
Chapel Road Improvements	(55,179)	(55,179)	0	0	0	0	0	0	0	0	0	0	0
Guardrails	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
MD 152/Oakmont Road/Port Lane	(8,066)	(8,066)	0	0	0	0	0	0	0	0	0	0	0
Schucks Road Culvert Replacement	(56,176)	(56,176)	0	0	0	0	0	0	0	0	0	0	0
Schucks Road Improvements	456,176	56,176	0	0	400,000	0	0	0	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	500,000	0	0	0	500,000	0	0	0	0	0	0	0	0
Stormdrain Rehabilitation	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle and Road Safety Improvements	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL ROADWAYS</b>	<b>1,586,755</b>	<b>(63,245)</b>	<b>750,000</b>	<b>0</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

FY 19 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>													
<b>HIGHWAYS</b>													
<b>RESURFACING</b>													
Resurfacing Roadways 18	6,513,245	63,245	6,450,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL RESURFACING</b>	<b>6,513,245</b>	<b>63,245</b>	<b>6,450,000</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>	<b>0</b>	<b>0</b>
<b>OTHER</b>													
APG Gate PILOT*	500,000	0	205,966	0	0	0	0	0	0	0	0	0	294,034
Efficiency Capital Investment Project	80,000	0	40,000	0	0	0	0	0	40,000	0	0	0	0
Fleet Maintenance Facility	561,000	0	0	0	561,000	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 Program	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
Salt Dome	50,000	0	0	0	50,000	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	230,000	0	150,000	0	0	0	0	0	80,000	0	0	0	0
<b>SUB-TOTAL OTHER</b>	<b>3,396,000</b>	<b>0</b>	<b>2,370,966</b>	<b>0</b>	<b>611,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>294,034</b>
<b>TOTAL HIGHWAYS FUND CAPITAL</b>	<b>16,191,000</b>	<b>0</b>	<b>10,845,966</b>	<b>0</b>	<b>2,889,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>2,042,000</b>	<b>0</b>	<b>294,034</b>

FY 19 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>WATER &amp; SEWER FUND</u>													
<u>WATER PROJECTS</u>													
Abingdon Water Treatment Plant PH Control System	250,000	0	0	0	250,000	0	0	0	0	0	0	0	0
Efficiency Capital Investment Project	65,000	0	25,000	0	0	0	0	0	40,000	0	0	0	0
Fleet Maintenance Facility	110,000	0	0	0	110,000	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
Havre de Grace Water Treatment Plant Upgrade	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Infrastructure Management System Enhancements	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Perryman GAC Plant Improvements	500,000	0	500,000	0	0	0	0	0	0	0	0	0	0
Perryman Wellfield Improvements	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Refresh Program	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Renewal and Replacement Water Infrastructure	300,000	0	0	0	300,000	0	0	0	0	0	0	0	0
Safeguarding Business Operations	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
SCADA Information Management Systems	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Tank Painting	800,000	0	800,000	0	0	0	0	0	0	0	0	0	0
US 40 and Rt. 159 SHA Water Relocation	100,000	0	0	0	100,000	0	0	0	0	0	0	0	0
US 40 Water Main Replacement	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Water and Sewer Infrastructure Improvements Projects	1,000,000	0	700,000	0	0	0	0	0	0	0	0	300,000	0
Water Meter Upgrade	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Water Tank Design and Construction	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Water Zone Improvements	230,000	0	230,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL WATER PROJECTS</b>	<b>5,980,000</b>	<b>0</b>	<b>4,380,000</b>	<b>0</b>	<b>1,260,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>
<u>SEWER PROJECTS</u>													
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	1,250,000	0	0	0	1,250,000	0	0	0	0	0	0	0	0
Delta WWTP Plant Upgrades	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Fallston Area Sewer	3,800,000	0	0	0	3,800,000	0	0	0	0	0	0	0	0
Freys Road Sewer Petition	800,000	0	800,000	0	0	0	0	0	0	0	0	0	0
Hickory Sewer Infrastructure Improvement Project	3,000,000	0	0	0	3,000,000	0	0	0	0	0	0	0	0
Infiltration and Inflow	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Inventory Storage and Control Improvements	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Pumping Station Improvements	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Renewal and Replacement Sewer Infrastructure	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Sod Run Facility Improvements	1,300,000	0	0	0	1,300,000	0	0	0	0	0	0	0	0
Sod Run WWTP Ultraviolet Disinfection Project	3,000,000	0	0	0	3,000,000	0	0	0	0	0	0	0	0
Town Center Drive Pump Station Replacement	235,000	0	235,000	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>18,510,000</b>	<b>0</b>	<b>2,160,000</b>	<b>0</b>	<b>16,350,000</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>
<b>TOTAL WATER &amp; SEWER FUND CAPITAL</b>	<b>24,490,000</b>	<b>0</b>	<b>6,540,000</b>	<b>0</b>	<b>17,610,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>
<b>TOTAL APPROVED CAPITAL BUDGET</b>	<b>167,230,000</b>	<b>0</b>	<b>29,526,938</b>	<b>0</b>	<b>76,120,000</b>	<b>3,800,000</b>	<b>8,600,000</b>	<b>12,436,700</b>	<b>23,790,328</b>	<b>3,725,000</b>	<b>7,092,000</b>	<b>460,000</b>	<b>1,679,034</b>

## **FISCAL YEAR 2019 APPROVED CAPITAL BUDGET HIGHLIGHTS**

### **FISCAL YEAR 2019 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 2019 Capital Budget consists of 150 projects at a total cost of \$167,230,000. 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 January 2018, 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 2019 APPROVED CAPITAL BUDGET HIGHLIGHTS**

### **FISCAL YEAR 2019 EXPENDITURES**

The following is a brief description of capital projects for Fiscal Year 2019:

#### **General Capital Projects**

The County Capital Budget proposes 16 General projects for FY 2019, totaling \$39,073,277. Projects in the General category for FY 2019 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 windows at the Abingdon 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.

#### **Stormwater Management**

The FY 2019 Stormwater Management Capital budget consists of 18 projects and totals \$11,441,395. 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 2019 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; mobile/portable radio system upgrades for public safety and public service and for the Volunteer Fire Companies to repair/renovate their existing stations to include systemic repairs, roofs, paving, etc.

**FISCAL YEAR 2019  
APPROVED CAPITAL BUDGET HIGHLIGHTS**

**Board of Education Projects**

The Board of Education capital budget includes priority funding for cameras to increase security in our schools. In addition the final phase of funding is provided for the HVAC Systemic Renovation and Open Space enclosure at the Bel Air Elementary School. Funding is also included for the replacement of Havre de Grace Middle/High School; the chiller at Fallston Middle School; and the roof at Aberdeen Middle School. Continued funding for swimming pool renovations as well as technology infrastructure.

**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; additional funds to upgrade the groundwater treatment plant 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 2019, Harford County has appropriated funds for 29 projects totaling \$14,630,000. These projects include the development/improvements of many parks and complexes, trails, facility renovations, dredging, parkland acquisition, natural turf improvements, and playground equipment replacements.

## **FISCAL YEAR 2019 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 34 projects funded for the Highways Capital budget, totaling \$16,191,000. 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 2019 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 33 capital projects in FY 2019 totaling \$24,490,000. These projects continue to provide improvements and future growth to Harford County's existing infrastructure. Funding for FY 2019 provides for bio-solids facility enhancements, infrastructure improvement projects, replacement of essential vehicles and equipment, construction of a new ultraviolet disinfection system as well as other facility improvements at the Sod Run Waste Water Treatment Plant. As seen in the Highways and General projects, Harford County has also provided funding for 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, 2017</b>	12,005,991	14,638,450	3,829,886	30,474,327
<b>Less: Restricted Fund Balance</b>				
Recordation and Transfer Tax	3,124,681	0	887,478	4,012,159
Bond Proceeds	1,010,256	0	0	1,010,256
<b>Less: Unrestricted Fund Balance</b>				
Appropriation of Fund Balance	198,365	88,807	0	287,172
Encumbrances	7,672,689	14,549,643	2,942,408	25,164,740
	<u>12,005,991</u>	<u>14,638,450</u>	<u>3,829,886</u>	<u>30,474,327</u>
<b>Fund Balance Available for Appropriation at June 30, 2017</b>				
<b>Undesignated Fund Balance</b>	0	0	0	0
Estimated Revenues - Open Project	656,633,056	109,369,964	76,795,020	842,798,040
Estimated Expenditures - Open Project	(656,619,655)	(109,363,660)	(75,881,873)	(841,865,188)
<b>Fund Balance Available for Appropriation at June 30, 2018</b>				
<b>Undesignated Fund Balance</b>	<u>13,401</u>	<u>6,304</u>	<u>913,147</u>	<u>932,852</u>
<b>Fund Balance Available for Appropriation at June 30, 2018</b>				
<b>Undesignated Fund Balance</b>	13,401	6,304	913,147	932,852
Estimated Revenues Fiscal Year 2019				
Paygo	10,515,972	10,845,966	1,625,000	22,986,938
Recordation Tax	10,106,700	0	2,330,000	12,436,700
Transfer Tax	8,600,000	0	0	8,600,000
Reappropriated from Prior Projects	3,050,000	0	750,000	3,800,000
Future Bonds	55,471,000	2,889,000	150,000	58,510,000
Federal Grant	1,050,000	2,042,000	4,000,000	7,092,000
State Bonds	18,070,328	0	0	18,070,328
State Grants	4,490,000	120,000	4,795,000	9,405,000
Developer Contribution	85,000	0	75,000	160,000
Other	480,000	294,034	905,000	1,679,034
Total Estimated Revenues Fiscal Year 2019	<u>111,919,000</u>	<u>16,191,000</u>	<u>14,630,000</u>	<u>142,740,000</u>
Estimated Expenditures Fiscal Year 2019	<u>(111,919,000)</u>	<u>(16,191,000)</u>	<u>(14,630,000)</u>	<u>(142,740,000)</u>
<b>Fund Balance Available for Appropriation at June 30, 2019</b>				
<b>Undesignated Fund Balance</b>	<u>13,401</u>	<u>6,304</u>	<u>913,147</u>	<u>932,852</u>

**HARFORD COUNTY, MARYLAND  
STATEMENT OF ESTIMATED UNRESTRICTED NET ASSETS  
WATER & SEWER CAPITAL FUND**

	<b>WATER &amp; SEWER</b>
<b>Unrestricted Net Assets June 30, 2018</b>	0
Estimated Revenues - Open Projects	243,203,671
Estimated Expenditures - Open Projects	(243,203,671)
<b>Estimated Unrestricted Net Assets June 30, 2019</b>	0
 <b>Estimated Revenues Fiscal Year 2019</b>	
Paygo	6,540,000
Future Bonds	17,610,000
State	40,000
Developer	300,000
<b>Total Estimated Revenues Fiscal Year 2019</b>	24,490,000
<b>Estimated Expenditures Fiscal Year 2019</b>	(24,490,000)
<b>Estimated Unrestricted Net Assets June 30, 2019</b>	0

<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, 2017</b>	2,150,871	887,478	4,445,997
Plus Fiscal Year 2018 Estimated Recordation Tax Revenues	9,670,000	2,415,000	2,415,000
Plus Fiscal Year 2018 Estimated Other Revenue	0	0	185,000
Less Fiscal Year 2018 Estimated Expenditures	<u>(9,500,000)</u>	<u>(2,475,000)</u>	<u>(763,000)</u>
<b>ESTIMATED RECORDATION TAX FUND BALANCE</b>			
<b>AVAILABLE FOR APPROPRIATION AT JUNE 30, 2018</b>	2,320,871	827,478	6,282,997
Plus Fiscal Year 2019 Estimated Revenues:			
Plus Fiscal Year 2019 Estimated Recordation Tax Revenues	10,106,700	2,497,000	2,497,000
Plus Fiscal Year 2019 Estimated Recordation Tax Revenues	0	0	15,000
Less Fiscal Year 2019 Estimated Expenditures	<u>(12,406,700)</u>	<u>(2,880,000)</u>	<u>(850,000)</u>
<b>ESTIMATED RECORDATION TAX FUND BALANCE</b>			
<b>AVAILABLE FOR APPROPRIATION AT JUNE 30, 2019</b>	<u>20,871</u>	<u>444,478</u>	<u>7,944,997</u>

**DEDICATED TRANSFER TAX**  
**STATEMENT OF ESTIMATED UNAPPROPRIATED FUND BALANCE**

	<b>AGRICULTURAL PRESERVATION</b>	<b>BOARD OF EDUCATION</b>
<b>TOTAL FUND BALANCE AT JUNE 30, 2017</b>	52,728,386	973,810
Plus Fiscal Year 2018 Estimated Revenues:		
Transfer Tax		
2018 Transfer Tax receipts	8,300,000	8,300,000
Other Revenues	8,250,500	0
Less Fiscal Year 2018 Estimated Expenditures	(25,922,500)	(8,500,000)
Less: Committed Fund Balance Designated for Other Purposes	<u>(27,925,011)</u>	<u>0</u>
<b>UNDESIGNATED TRANSFER TAX FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2018</b>	15,431,375	773,810
Plus Fiscal Year 2019 Estimated Revenues:		
Transfer Tax		
2019 Transfer Tax receipts	8,600,000	8,600,000
Other Revenue	4,665,000	0
Less Fiscal Year 2019 Estimated Expenditures	<u>(13,265,000)</u>	<u>(9,350,000)</u>
<b>ESTIMATED TRANSFER TAX FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2019</b>	<u>15,431,375</u>	<u>23,810</u>

**DEDICATED IMPACT FEE  
STATEMENT OF ESTIMATED UNAPPROPRIATED FUND BALANCE**

	<b>BOARD OF EDUCATION</b>
<b>UNDESIGNATED IMPACT FEE FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2017</b>	0
Plus Fiscal Year 2018 Estimated Impact Fee Revenues	2,900,000
Less Fiscal Year 2018 Estimated Expenditures	<u>(2,900,000)</u>
<b>ESTIMATE IMPACT FEE FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2018</b>	0
Plus Fiscal Year 2019 Estimated Revenues:	
Fiscal Year 2019 Impact Fee Revenues	3,000,000
Less Fiscal Year 2019 Estimated Expenditures	<u>(3,000,000)</u>
<b>ESTIMATED IMPACT FEE FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2019</b>	<u><u>0</u></u>

## 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 19.

### **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%

<b>DEDICATED CAPITAL FUNDING</b>
----------------------------------

For FY 19 Recordation Tax revenues are appropriated as follows:

**Harford County's FY 19 Operating Budget** **\$14,903,700**

From FY 19 Estimated Recordation Tax Receipts: **\$12,603,700**

**Board of Education Debt Service** **\$10,106,700**

Principal Payments	\$9,628,377
Interest Payments	478,323
	<u>\$10,106,700</u>

**Stormwater Management Debt Service** **\$2,497,000**

From Prior Year Recordation Tax Receipts **\$2,300,000**

**Board of Education Debt Service** **\$2,300,000**

Principal Payments	\$1,799,350
Interest Payments	500,650
	<u>\$2,300,000</u>

**Harford County's FY 19 Capital Budget** **\$2,330,000**

**Parks & Recreation Projects** **\$2,330,000**

Anita C. Leight Improvements	150,000	Gunpowder River Dredging	100,000
Bleacher Renovations	30,000	Gymnasium Floor Repair	50,000
Bush River Dredging and DMP Site	40,000	Jarrettsville Comp. Restrooms	(80,000)
Canoe and Kayak Water Access	50,000	Mariner Point Park Renovations	150,000
Edgewood Recreation Park	50,000	Park Improvements	50,000
Emily Bayliss Graham Park	200,000	Parking Lot Paving	55,000
Emmorton Rec & Tennis Center	350,000	Parkland Acquisition	100,000
Equestrian Center Improvements	50,000	Playground Equipment	125,000
Facility Renovations	150,000	Rock Glenn Park	100,000
Flying Point Park Improvements	100,000	Tennis/Multipurpose Court	100,000
Fox Meadows Park Improvements	350,000	Tudor Hall Rehabilitation	60,000

**Total Recordation Tax revenues appropriated for Fiscal Year 2019** **\$17,233,700**

<b>DEDICATED CAPITAL FUNDING</b>
----------------------------------

**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 19 Transfer Tax revenues are appropriated as follows:**

**Harford County's FY 19 Operating Budget**

<b>From FY 19 Estimated Transfer Tax Receipts:</b>		<b>\$17,200,000</b>
<b>Agricultural Preservation Fund</b>	<b>\$8,600,000</b>	
<b>Board of Education Debt Service</b>	<b>\$8,600,000</b>	
Principal Payments	\$4,470,192	
Interest Payments	4,129,808	
	\$8,600,000	
<b>From Prior Year Transfer Tax Receipts</b>		<b>\$750,000</b>
<b>Board of Education Debt Service</b>		
Principal Payments	\$750,000	
Interest Payments	0	
	\$750,000	

## 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 2018 are presented in the following table:

Fiscal Year	Public Schools
2013	2,027,400
2014	2,612,400
2015	2,560,800
2016	2,444,400
2017	2,707,200
2018	3,000,000

**HARFORD COUNTY, MARYLAND  
BOARD OF EDUCATION  
DEDICATED RECORDATION TAX / DEDICATED TRANSFER TAX / IMPACT FEE / GENERAL FUNDS  
FY 19 STATEMENT OF EXPENDITURES FOR SCHOOL DEBT SERVICE AND PAYGO CAPITAL PROJECTS**

<b>FY 19 RECORDATION TAX AVAILABLE</b>	10,106,700
<b>PRIOR YEAR RECORDATION TAX</b>	2,300,000
<b>FY 19 TRANSFER TAX AVAILABLE</b>	8,600,000
<b>PRIOR YEAR TRANSFER TAX</b>	750,000
<b>IMPACT FEES APPROPRIATED</b>	3,000,000
<b>GENERAL FUNDS APPROPRIATED</b>	9,533,763
<b>TOTAL FUNDS AVAILABLE FOR SCHOOL DEBT SERVICE</b>	<b><u>34,290,463</u></b>

**FUNDS APPROPRIATED FOR SCHOOL DEBT SERVICE:**

	<b>PRINCIPAL</b>						
	FY 19 RECORDATION	PRIOR YEAR RECORDATION	FY 19 TRANSFER	PRIOR YEAR TRANSFER	IMPACT FEE	FY 19 GENERAL FUNDS	<b>TOTAL</b>
Refunding Bonds of 2009	211,048						<b>211,048</b>
School Bonds of 2009	4,359,336						<b>4,359,336</b>
Refunding Bonds of 2010	1,106,043						<b>1,106,043</b>
School Bonds of 2010 Series A	3,951,950	1,799,350					<b>5,751,300</b>
Refunding Bonds of 2012			486,117				<b>486,117</b>
School Bonds of 2012			734,315				<b>734,315</b>
School Bonds of 2013			507,992				<b>507,992</b>
Refunding Bonds of 2013			2,741,768	750,000	1,316,200		<b>4,807,968</b>
School Bonds of 2014					173,782	19,277	<b>193,059</b>
School Bonds of 2015						590,892	<b>590,892</b>
School Bonds of 2016						517,308	<b>517,308</b>
School Bonds of 2017						1,353,350	<b>1,353,350</b>
School Bonds of 2018						1,660,294	<b>1,660,294</b>
<b>TOTAL</b>	<b>9,628,377</b>	<b>1,799,350</b>	<b>4,470,192</b>	<b>750,000</b>	<b>1,489,982</b>	<b>4,141,121</b>	<b>22,279,022</b>

**HARFORD COUNTY, MARYLAND  
BOARD OF EDUCATION  
DEDICATED RECORDATION TAX / DEDICATED TRANSFER TAX / IMPACT FEE / GENERAL FUNDS  
FY 19 STATEMENT OF EXPENDITURES FOR SCHOOL DEBT SERVICE AND PAYGO CAPITAL PROJECTS**

**INTEREST**

	FY 19 RECORDATION	PRIOR YEAR RECORDATION	FY 19 TRANSFER	PRIOR YEAR TRANSFER	IMPACT FEE	FY 19 GENERAL FUNDS	TOTAL
Refunding Bonds of 2009	16,730						16,730
School Bonds of 2009	296,770						296,770
Refunding Bonds of 2010	164,823						164,823
School Bonds of 2010 Series A		500,650	233,398				734,048
School Bonds of 2010 Series B			3,203,777				3,203,777
Refunding Bonds of 2012			72,071				72,071
School Bonds of 2012			340,158				340,158
School Bonds of 2013			280,404				280,404
Refunding Bonds of 2013					1,510,018		1,510,018
School Bonds of 2014						117,674	117,674
School Bonds of 2015						372,262	372,262
Refunding Bonds of 2015						1,955,996	1,955,996
School Bonds of 2016						325,905	325,905
School Bonds of 2017						960,511	960,511
School Bonds of 2018						1,660,294	1,660,294
<b>TOTAL</b>	<b>478,323</b>	<b>500,650</b>	<b>4,129,808</b>	<b>0</b>	<b>1,510,018</b>	<b>5,392,642</b>	<b>12,011,441</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	37,090,005	60.07%	22,279,022	9,628,377	1,799,350	4,470,192	750,000	1,489,982	4,141,121
Interest 662110 Interest	18,808,116	63.86%	12,011,441	478,323	500,650	4,129,808	0	1,510,018	5,392,642
Cost of Issuance 664110 Service Costs	640,000	0.00%	0	0	0	0	0	0	0
<b>Total General Fund Debt Service</b>	<b>56,538,121</b>	<b>60.65%</b>	<b>34,290,463</b>	<b>10,106,700</b>	<b>2,300,000</b>	<b>8,600,000</b>	<b>750,000</b>	<b>3,000,000</b>	<b>9,533,763</b>

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>GENERAL FUND</b>								
<b>GENERAL CAPITAL</b>								
<b>FY 19 Funded Projects</b>								
Abingdon Library Window Replacement	1,259,000	0	1,259,000	0	0	0	0	0
Board of Education Debt Service 19	111,756,700	0	21,756,700	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000
Courthouse Building Repairs	10,327,500	7,027,500	3,000,000	300,000	0	0	0	0
Efficiency Capital Investment Projects	1,170,000	1,030,000	65,000	25,000	25,000	25,000	0	0
Facilities Repair Program	30,862,301	23,062,301	5,800,000	500,000	500,000	500,000	500,000	0
Fleet Maintenance Facility	6,096,000	1,267,000	829,000	4,000,000	0	0	0	0
Fleet Replacement	21,040,000	9,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
GIS Update	226,099	250,000	(23,901)	0	0	0	0	0
Harford County Ag Research Center	1,400,000	650,000	750,000	0	0	0	0	0
Harford Cable Network Hi Def Upgrade	600,000	250,000	350,000	0	0	0	0	0
HMAN	16,280,000	16,200,000	80,000	0	0	0	0	0
Refresh Program	3,603,478	2,935,000	168,478	100,000	100,000	100,000	100,000	100,000
Safeguarding Business Operations	17,525,400	15,075,400	1,700,000	750,000	0	0	0	0
Site Acquisition	27,257,761	23,757,761	1,000,000	500,000	500,000	500,000	500,000	500,000
Underground & Aboveground Tank	1,144,000	605,000	539,000	0	0	0	0	0
Voting Equipment	0	200,000	(200,000)	0	0	0	0	0
<b>Open Projects</b>								
Aberdeen Library Roof & Windows	388,000	388,000	0	0	0	0	0	0
Board of Education Debt Service 18	18,000,000	18,000,000	0	0	0	0	0	0
Edgewood Library Roof Replacement	221,400	221,400	0	0	0	0	0	0
45 South Main Street - Add Emergency	600,000	600,000	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
MD 924 Small Area Corridor Plan	300,000	300,000	0	0	0	0	0	0
Reforestation and Buffer Mitigation	100,000	100,000	0	0	0	0	0	0
Reforestation and Landscaping	680,000	680,000	0	0	0	0	0	0
Repairs to 45 South Main Street	100,000	100,000	0	0	0	0	0	0
<b>General Capital Total by Project</b>	<b>278,737,639</b>	<b>129,539,362</b>	<b>39,073,277</b>	<b>26,175,000</b>	<b>21,125,000</b>	<b>21,125,000</b>	<b>21,100,000</b>	<b>20,600,000</b>
Paygo	48,035,188	32,784,216	3,925,972	2,875,000	2,125,000	2,125,000	2,100,000	2,100,000
Prior Paygo	43,605	0	43,605	0	0	0	0	0
Reappropriated	7,240,497	4,190,497	3,050,000	0	0	0	0	0
Future Bonds	20,507,000	0	11,707,000	5,300,000	1,000,000	1,000,000	1,000,000	500,000
Prior Bonds	68,242,157	68,242,157	0	0	0	0	0	0
Transfer Tax	61,600,000	8,000,000	8,600,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Recordation Tax	63,406,700	8,300,000	10,106,700	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
State	2,742,279	1,832,279	910,000	0	0	0	0	0
Federal	2,958,292	2,358,292	600,000	0	0	0	0	0
Developer	772,421	772,421	0	0	0	0	0	0
Other	1,629,500	1,499,500	130,000	0	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>278,737,639</b>	<b>129,539,362</b>	<b>39,073,277</b>	<b>26,175,000</b>	<b>21,125,000</b>	<b>21,125,000</b>	<b>21,100,000</b>	<b>20,600,000</b>

FY 19 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>													
Abingdon Library Window Replacement	1,259,000	0	0	0	589,000	0	0	0	670,000	0	0	0	0
Board of Education Debt Service 19	21,756,700	0	0	0	0	3,050,000	8,600,000	10,106,700	0	0	0	0	0
Courthouse Building Repairs	3,000,000	0	0	0	3,000,000	0	0	0	0	0	0	0	0
Efficiency Capital Investment Projects	65,000	0	25,000	0	0	0	0	0	40,000	0	0	0	0
Facilities Repair Program	5,800,000	0	0	0	5,000,000	0	0	0	200,000	0	600,000	0	0
Fleet Maintenance Facility	829,000	0	0	0	829,000	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
GIS Update	(23,901)	(23,901)	0	0	0	0	0	0	0	0	0	0	0
Harford County Agricultural Research & Exposition Center	750,000	0	0	0	750,000	0	0	0	0	0	0	0	0
Harford Cable Network High-Definition Upgrade	350,000	200,000	100,000	0	0	0	0	0	0	0	0	0	50,000
Harford County Metro Area Network (HMAN)	80,000	0	0	0	0	0	0	0	0	0	0	0	80,000
Refresh Program	168,478	67,506	100,972	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	1,700,000	0	1,700,000	0	0	0	0	0	0	0	0	0	0
Site Acquisition	1,000,000	0	0	0	1,000,000	0	0	0	0	0	0	0	0
Underground and Aboveground Tank Management	539,000	0	0	0	539,000	0	0	0	0	0	0	0	0
Voting Equipment	(200,000)	(200,000)	0	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL GENERAL</b>	<b>39,073,277</b>	<b>43,605</b>	<b>3,925,972</b>	<b>0</b>	<b>11,707,000</b>	<b>3,050,000</b>	<b>8,600,000</b>	<b>10,106,700</b>	<b>910,000</b>	<b>0</b>	<b>600,000</b>	<b>0</b>	<b>130,000</b>

**PROJECT: Abingdon Library Window Replacement**

**GENERAL**

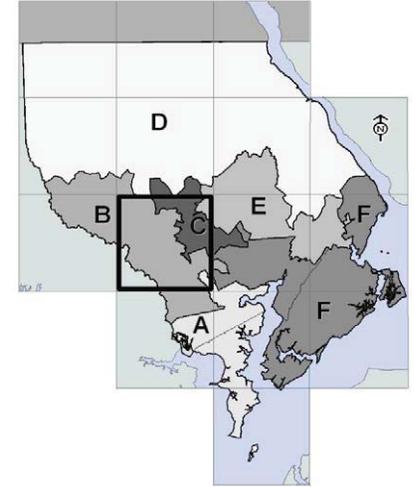
**COUNCIL DISTRICT: B**

**LOCATION: Abingdon**

**A194101**

**PROJECT DESCRIPTION / JUSTIFICATION:**

There are numerous defects in the existing curtainwall at the Abingdon Library that allow rain water to penetrate and leak into the building. This project will replace approximately 6,350 sq ft. of defective curtain wall window system (to include glaze lites, glass framing, glazing, flashing, sealants and structural clips).



**PROJECT SCHEDULE:**

FY18 - Spring grant approval  
 FY19 - Summer/Fall replace windows.

**PROJECT STATUS:**

Application submitted to the State's County Public Library Capital Projects Grant program. expect approval in May of 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		1,259,000	1,259,000						1,259,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>1,259,000</b>	<b>1,259,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,259,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		589,000	589,000						589,000
R3399 State Other		670,000	670,000						670,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>1,259,000</b>	<b>1,259,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,259,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$15,785  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended  
 Encumbered  
 Total \$0

**PROJECT: Board of Education Debt Service 19**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**A194102**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		21,756,700	21,756,700	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	111,756,700
<b>Total Cost</b>	<b>0</b>	<b>21,756,700</b>	<b>21,756,700</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>111,756,700</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax		10,106,700	10,106,700	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	55,106,700
R1525 Transfer Tax		8,600,000	8,600,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	53,600,000
R8027 Reappropriated Rec. Tax		2,300,000	2,300,000						2,300,000
R8026 Reappropriated Transfer Tax		750,000	750,000						750,000
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>21,756,700</b>	<b>21,756,700</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>111,756,700</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  
 Total \$0

**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 18/19 - New judge's chamber, entry renovation
- FY 18/20 - Fire alarm system upgrade, fire pump assembly refurbish

**PROJECT STATUS:**

Elevator project completed. Masonry restoration, window restoration and window replacement project scheduled for completion beginning 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	795,000	240,000	1,035,000	20,000					1,055,000
Land Acquisition			0						0
Construction	5,932,500	2,760,000	8,692,500	270,000					8,962,500
Inspection Fees	300,000		300,000	10,000					310,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>7,027,500</b>	<b>3,000,000</b>	<b>10,027,500</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,327,500</b>

**FUNDING SCHEDULE**

R3150 Federal - ARRA Funds	127,500		127,500						127,500
R8750 Paygo	100,000		100,000						100,000
R7000 Future Bonds	0	3,000,000	3,000,000	300,000					3,300,000
R7100 Prior Bonds	6,800,000		6,800,000						6,800,000
R3399 State Other	0		0						0
			0						0
<b>Total Funds</b>	<b>7,027,500</b>	<b>3,000,000</b>	<b>10,027,500</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,327,500</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$262,640  
 Annual Operating/Maintenance Cost: < \$4,000  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 4,459,009  
 Encumbered 778,777  
 Total \$5,237,786

**PROJECT: 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:**

FY 19-22 Implement energy efficient projects throughout the County  
 FY 19-20 Complete Building Energy Performance Assessments  
 All years - Implement energy efficient measures

**PROJECT STATUS:**

Ongoing

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2023	
Engineering/Design	251,500	20,000	271,500	10,000	10,000	10,000			301,500
Land Acquisition			0						0
Construction	300,000	25,000	325,000	15,000	15,000	15,000			370,000
Inspection Fees	23,500		23,500						23,500
Equipment/Furnishing	455,000	20,000	475,000						475,000
<b>Total Cost</b>	<b>1,030,000</b>	<b>65,000</b>	<b>1,095,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>1,170,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	169,858	25,000	194,858	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	40,000	815,000						815,000
			0						0
			0						0
<b>Total Funds</b>	<b>1,030,000</b>	<b>65,000</b>	<b>1,095,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>1,170,000</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 2/1/18:**

Expended 352,495  
 Encumbered 32,374  
**Total \$384,869**

**PROJECT: Facilities Repair Program**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**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, and conveyances).



**PROJECT SCHEDULE:**

FY18 - Design and major renovation of 45 S. Main St - HCSO (roof, mechanical, plumbing, electrical, fire/life safety systems)  
 FY18 - 220 Admin Building boiler/generator replacement, Northern precinct roof/generator replacement, 18 Office Street roof replacement  
 FY19 - 212 Elevator replacement, 18 Office St Chiller replacement, 220 central heat pump replacement, Riverside complex renovation  
 FY19 - Renovation to Manorwood building to include a back-up EOC as well as construction of a Northern Day Office Technology Hub

**PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	2,649,093	400,000	3,049,093	40,000	40,000	40,000	40,000		3,209,093
Land Acquisition			0						0
Construction	19,863,756	5,400,000	25,263,756	435,000	435,000	435,000	435,000		27,003,756
Inspection Fees	549,452		549,452	25,000	25,000	25,000	25,000		649,452
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>23,062,301</b>	<b>5,800,000</b>	<b>28,862,301</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>30,862,301</b>

**FUNDING SCHEDULE**

R8750 Paygo	7,427,560		7,427,560						7,427,560
R7000 Future Bonds	0	5,000,000	5,000,000	500,000	500,000	500,000	500,000		7,000,000
R3150 Federal - ARRA Funds	875,792		875,792						875,792
R3199 Federal Other	590,000		590,000						590,000
R3399 State Other	120,000	200,000	320,000						320,000
R6999 Other	119,500		119,500						119,500
R7100 Prior Bonds	13,867,396		13,867,396						13,867,396
R8089 Reappropriated Paygo	62,053		62,053						62,053
R3199 Federal Other		600,000	600,000						600,000
<b>Total Funds</b>	<b>23,062,301</b>	<b>5,800,000</b>	<b>28,862,301</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>30,862,301</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$505,646  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 14,756,209  
 Encumbered 446,956  
**Total \$15,203,165**

**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.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		829,000	829,000						829,000
Land Acquisition			0						0
Construction	1,117,000		1,117,000	4,000,000					5,117,000
Inspection Fees			0						0
Equipment/Furnishing	150,000		150,000						150,000
<b>Total Cost</b>	<b>1,267,000</b>	<b>829,000</b>	<b>2,096,000</b>	<b>4,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,096,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,267,000		1,267,000						1,267,000
R7000 Future Bonds		829,000	829,000	4,000,000					4,829,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,267,000</b>	<b>829,000</b>	<b>2,096,000</b>	<b>4,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,096,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$56,173  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 839,708  
 Encumbered 6,461  
 Total \$846,169

**PROJECT: Fleet Replacement**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**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. Units to be replaced are on average 10 years old with high mileage and have become unreliable.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	9,040,000	2,000,000	11,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	21,040,000
<b>Total Cost</b>	<b>9,040,000</b>	<b>2,000,000</b>	<b>11,040,000</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>21,040,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	9,040,000	2,000,000	11,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	21,040,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>9,040,000</b>	<b>2,000,000</b>	<b>11,040,000</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>21,040,000</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 2/1/18:**

Expended 7,424,566  
 Encumbered 70,301  
**Total \$7,494,867**

**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:**

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	250,000	(23,901)	226,099						226,099
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>250,000</b>	<b>(23,901)</b>	<b>226,099</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>226,099</b>

**FUNDING SCHEDULE**

R8750 Paygo	250,000		250,000						250,000
R8750 Prior Paygo		(23,901)	(23,901)						(23,901)
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>250,000</b>	<b>(23,901)</b>	<b>226,099</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>226,099</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 2/1/18:**

Expended	226,099
Encumbered	0
<b>Total</b>	<b>\$226,099</b>

**PROJECT: Harford County Agricultural Research and Exposition Center**

**GENERAL**

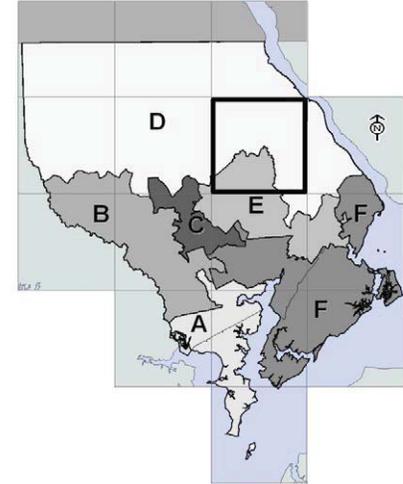
**COUNCIL DISTRICT: D**

**LOCATION: Dublin**

**A164103**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for site, engineering and construction 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	650,000	0	650,000						650,000
Land Acquisition			0						0
Construction		750,000	750,000						750,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>650,000</b>	<b>750,000</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	500,000		500,000						500,000
R7920 State Bonds	150,000		150,000						150,000
R7000 Future Bonds		750,000	750,000						750,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>650,000</b>	<b>750,000</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: \$1,250,000  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 147,344  
 Encumbered 2,999  
 Total \$150,343

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

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A184103**

**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.

Prior Paygo funds have been reallocated here from the Voting Equipment project @ \$200,000



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	250,000	350,000	600,000						600,000
<b>Total Cost</b>	<b>250,000</b>	<b>350,000</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**

R8750 Paygo	200,000	100,000	300,000						300,000
R6999 Other	50,000	50,000	100,000						100,000
R8750 Prior Paygo		200,000	200,000						200,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>250,000</b>	<b>350,000</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: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

Financial Activity as of 2/1/18:

Expended  
 Encumbered  
 Total           \$0

**PROJECT: Harford County Metro Area Network (HMAN)**

**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:**

Other funding for FY 19 is to accept reimbursement from the Board of Education for fiber provided to Harford County Public Schools.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	16,200,000	80,000	16,280,000						16,280,000
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>80,000</b>	<b>16,280,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,280,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	16,200,000		16,200,000						16,200,000
R6999 Other		80,000	80,000						80,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>16,200,000</b>	<b>80,000</b>	<b>16,280,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,280,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$434,160  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 13,512,726  
 Encumbered 906,476  
 Total \$14,419,202

**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. Reallocated prior paygo from GIS Update capital project in the amount of \$23,901



ESRI enterprise renewal contract. Original contract covered in Safeguarding now we need to cover renewals

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

Increase monies required as more departments going to mobile devices in addition to desktop computer equipment. Examples, Building inspectors, Kiosk for firehouses and mobile equipment for ambulances.

Prior Paygo funding for FY 19 is from the Watershed/Stream Assessment Studies (A094107) project in the amount of \$17,022, the Watershed Restoration Improvements (A064103) project in the amount of \$26,583, and the GIS Update (A134105) project in the amount of \$23,901.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	2,935,000	168,478	3,103,478						3,103,478
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,935,000</b>	<b>168,478</b>	<b>3,103,478</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>3,103,478</b>

**FUNDING SCHEDULE**

R8750 Paygo		100,972	100,972	100,000	100,000	100,000	100,000	100,000	600,972
R8750 Prior Paygo	2,935,000	67,506	3,002,506						3,002,506
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,935,000</b>	<b>168,478</b>	<b>3,103,478</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>3,603,478</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 2/1/18:**

Expended 2,440,537  
 Encumbered 17,067  
**Total \$2,457,604**

**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:**

Funds for FY 19 provide for balance of ERP, other misc mainframe sunset projects, and replacing 25 network switches in the Firehouses that are reaching end of life

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	15,075,400	1,700,000	16,775,400	750,000					17,525,400
<b>Total Cost</b>	<b>15,075,400</b>	<b>1,700,000</b>	<b>16,775,400</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,525,400</b>

**FUNDING SCHEDULE**

R8750 Paygo	11,142,098	1,700,000	12,842,098	750,000					13,592,098
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>15,075,400</b>	<b>1,700,000</b>	<b>16,775,400</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,525,400</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 2/1/18:**

Expended 10,700,306  
 Encumbered 524,373  
**Total 11,224,679**

**PROJECT: Site Acquisition**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition	23,757,761	1,000,000	24,757,761	500,000	500,000	500,000	500,000	500,000	27,257,761
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>23,757,761</b>	<b>1,000,000</b>	<b>24,757,761</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>27,257,761</b>

**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		1,000,000	1,000,000	500,000	500,000	500,000	500,000	500,000	3,500,000
			0						0
<b>Total Funds</b>	<b>23,757,761</b>	<b>1,000,000</b>	<b>24,757,761</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>27,257,761</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$509,408  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 18,512,822  
 Encumbered 0  
 Total \$18,512,822

**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. Please see project schedule below for list of items to be completed in FY2019.

**PROJECT SCHEDULE:**

- Refresh the Sheriff Fueling Station located at 45 South Main Street in Bel Air
- Add Inform Software at remaining fuel sites that have been upgraded
- Replace 4000 gallon heating oil tank at the Hickory II Complex
- Upkeep on Vendor Root Fuel Tank Monitoring Systems located at all Fuel Sites in the County
- Department of Emergency Services tanks



**PROJECT STATUS:**

This project is open and ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FT 2024	
Engineering/Design	25,000	35,000	60,000						60,000
Land Acquisition		0	0						0
Construction	438,500	401,000	839,500						839,500
Inspection Fees	75,500	58,000	133,500						133,500
Equipment/Furnishing	66,000	45,000	111,000						111,000
<b>Total Cost</b>	<b>605,000</b>	<b>539,000</b>	<b>1,144,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,144,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	605,000		605,000						605,000
R7000 Future Bonds		539,000	539,000						539,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>605,000</b>	<b>539,000</b>	<b>1,144,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,144,000</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 2/1/18:**

Expended	461,579
Encumbered	10,588
<b>Total</b>	<b>\$472,167</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:**

This project to be closed and funds reallocated to the HCN Hi-Def capital project



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	200,000	(200,000)	0						0
<b>Total Cost</b>	<b>200,000</b>	<b>(200,000)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**FUNDING SCHEDULE**

R8750 Prior Paygo	200,000	(200,000)	0						0
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>(200,000)</b>	<b>0</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 2/1/18:**

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

# OPEN/ACTIVE PROJECTS

**PROJECT: Aberdeen Library Roof and Windows**

**GENERAL**

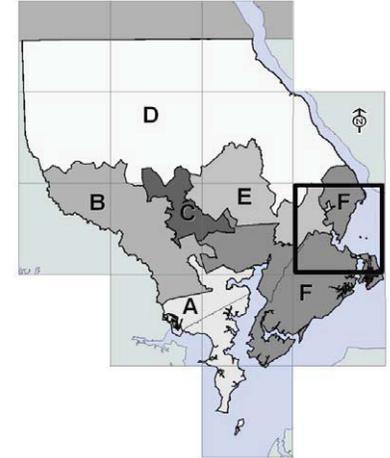
**COUNCIL DISTRICT: E**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	388,000		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		194,000						194,000
R7920 State Bonds	194,000		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:**

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

Financial Activity as of 2/1/18:  
 Expended 383,626  
 Encumbered 4,374  
 Total \$388,000

**PROJECT: Board of Education Debt Service 18**

**GENERAL**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**A184101**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<b>Total Cost</b>	<b>18,000,000</b>	<b>0</b>	<b>18,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,000,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	8,300,000		8,300,000						8,300,000
R1525 Transfer Tax	8,000,000		8,000,000						8,000,000
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>18,000,000</b>	<b>0</b>	<b>18,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,000,000</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 2/1/18:**

Expended 9,740,402  
 Encumbered 0  
 Total \$9,740,402

**PROJECT: Edgewood Library Roof Replacement**

**GENERAL**

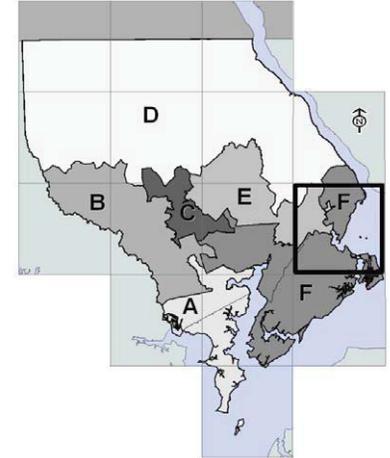
**COUNCIL DISTRICT: A**

**LOCATION: Edgewood**

**A184102**

**PROJECT DESCRIPTION / JUSTIFICATION:**

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



**PROJECT SCHEDULE:**

FY18 replace roof

**PROJECT STATUS:**

County received state grant and roof will be replaced in the spring of 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	221,400	0	221,400						221,400
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>221,400</b>	<b>0</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	0	110,700						110,700
R7920 State Bonds	110,700	0	110,700						110,700
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>221,400</b>	<b>0</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:**

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

Financial Activity as of  
 Expended  
 Encumbered  
 Total \$0

**PROJECT: 45 South Main Street - Add Emergency Power Systems**

**GENERAL**

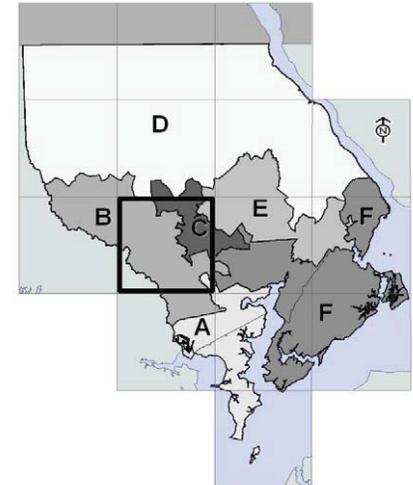
**COUNCIL DISTRICT: C**

**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:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 490,323  
 Encumbered  
 Total \$490,323

**PROJECT: Havre de Grace Opera House Renovations**

**GENERAL**

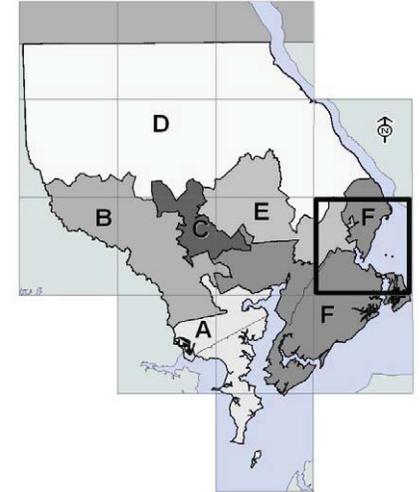
**COUNCIL DISTRICT: F**

**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:**

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

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

**PROJECT: Humane Society**

**GENERAL**

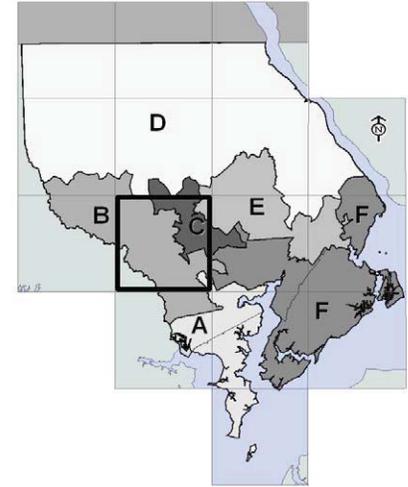
**COUNCIL DISTRICT: B**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<b>Total Cost</b>	<b>7,050,000</b>	<b>0</b>	<b>7,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,050,000</b>

**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
<b>Total Funds</b>	<b>7,050,000</b>	<b>0</b>	<b>7,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,050,000</b>

**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 2/1/18:**

Expended	6,338,758
Encumbered	77,303
<b>Total</b>	<b>\$6,416,061</b>

**PROJECT: MD 924 Small Area Corridor Plan**

**GENERAL**

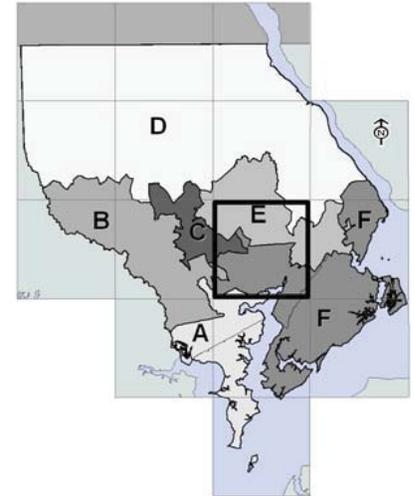
**COUNCIL DISTRICT: MULTIPLE**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 214,873  
 Encumbered  
 Total \$214,873

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction			0						0
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**

R6330 Developer	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 2/1/18:**

Expended	65,315
Encumbered	
<b>Total</b>	<b><u>65,315</u></b>

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	680,000		680,000						680,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>680,000</b>	<b>0</b>	<b>680,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>680,000</b>

**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
<b>Total Funds</b>	<b>680,000</b>	<b>0</b>	<b>680,000</b>	<b>0</b>	<b>0</b>	<b>0</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 2/1/18:**

Expended	360,424
Encumbered	600
<b>Total</b>	<b>\$361,024</b>

**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:**

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

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

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>GENERAL FUND</b>								
<b>STORMWATER MANAGEMENT</b>								
<b><u>FY 19 Funded Projects</u></b>								
Bynum Run @ St. Andrews Way	2,997,026	2,197,026	800,000	0	0	0	0	0
County Owned Watershed Restoration	650,000	50,000	100,000	100,000	100,000	100,000	100,000	100,000
County Owned Stormwater Mgmt Rehab	27,475,000	7,375,000	3,025,000	3,125,000	3,225,000	3,475,000	3,575,000	3,675,000
Joppatowne Area Watershed Restoration	7,150,000	3,500,000	900,000	550,000	550,000	550,000	550,000	550,000
Maintenance/Repair of Dams	3,805,000	1,705,000	350,000	350,000	350,000	350,000	350,000	350,000
Plumtree Run Watershed Restoration	10,143,452	4,743,452	900,000	900,000	900,000	900,000	900,000	900,000
Riverside Area Watershed Restoration	7,960,886	2,710,886	875,000	875,000	875,000	875,000	875,000	875,000
Sams Branch Watershed Restoration	4,672,922	2,272,922	400,000	400,000	400,000	400,000	400,000	400,000
Septic System Disconnection	400,000	100,000	50,000	50,000	50,000	50,000	50,000	50,000
Stormwater Enhancement	900,000	815,000	85,000	0	0	0	0	0
Stormwater Pollution Prevention	1,781,395	881,395	150,000	150,000	150,000	150,000	150,000	150,000
Upper Bynum Run Watershed Rest	12,000,000	550,000	1,450,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Watershed Restoration Assessment	13,500,000	3,900,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
Watershed Restoration Improvements	5,000,000	1,700,000	550,000	550,000	550,000	550,000	550,000	550,000
Watershed Restoration Improvements 06	1,501,645	1,528,228	(26,583)	0	0	0	0	0
Watershed Restoration Maintenance	860,000	260,000	100,000	100,000	100,000	100,000	100,000	100,000
Watershed/Stream Assessment Studies	1,047,978	1,065,000	(17,022)	0	0	0	0	0
Wheel Creek Watershed Restoration	7,139,607	6,689,607	150,000	150,000	150,000	0	0	0
<b><u>Open Projects</u></b>								
Lilly Run Watershed Restoration	725,000	725,000	0	0	0	0	0	0
Sunnyview Stream Restoration	1,992,220	1,992,220	0	0	0	0	0	0
Woodbridge Retrofit and Stream Rest	1,020,000	1,020,000	0	0	0	0	0	0
<b>Stormwater Management Total by Project</b>	<b>112,722,131</b>	<b>45,780,736</b>	<b>11,441,395</b>	<b>10,900,000</b>	<b>11,000,000</b>	<b>11,100,000</b>	<b>11,200,000</b>	<b>11,300,000</b>
<b>Paygo - Special Dedicated Paygo</b>	<b>7,580,818</b>	<b>5,680,818</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>
Prior Paygo			(43,605)				0	0
Prior Bonds	17,450,000	17,450,000	0	0	0	0	0	0
Future Bonds	38,300,000	0	6,050,000	6,250,000	6,350,000	6,450,000	6,550,000	6,650,000
Reappropriated	2,584,918	2,584,918	0	0	0	0	0	0
Recordation Tax	200,000	200,000	0	0	0	0	0	0
State	36,127,016	14,227,016	4,150,000	3,550,000	3,550,000	3,550,000	3,550,000	3,550,000
Federal	5,612,984	2,912,984	450,000	450,000	450,000	450,000	450,000	450,000
Developer	85,000	0	85,000	0	0	0	0	0
Other	4,825,000	2,725,000	350,000	350,000	350,000	350,000	350,000	350,000
<b>Stormwater Management Total by Fund</b>	<b>112,722,131</b>	<b>45,780,736</b>	<b>11,441,395</b>	<b>10,900,000</b>	<b>11,000,000</b>	<b>11,100,000</b>	<b>11,200,000</b>	<b>11,300,000</b>

FY 19 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>STORMWATER MANAGEMENT</u>													
Bynum Run @ St. Andrews Way Stream Restoration	800,000	0	0	0	200,000	0	0	0	600,000	0	0	0	0
County Owned Stormwater Management Rehab & Repair*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
County Owned Watershed Restoration Improvements	3,025,000	0	0	0	1,800,000	0	0	0	1,225,000	0	0	0	0
Joppatowne Area Watershed Restoration	900,000	0	0	0	400,000	0	0	0	500,000	0	0	0	0
Maintenance/Repair of Dams FY 14	350,000	0	0	0	0	0	0	0	0	0	0	0	350,000
Plumtree Run Watershed Restoration	900,000	0	0	0	400,000	0	0	0	150,000	0	350,000	0	0
Riverside Area Watershed Restoration	875,000	0	0	0	400,000	0	0	0	475,000	0	0	0	0
Sams Branch Watershed Restoration	400,000	0	0	0	300,000	0	0	0	100,000	0	0	0	0
Septic System Disconnection*	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Stormwater Enhancement	85,000	0	0	0	0	0	0	0	0	0	0	85,000	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	1,450,000	0	0	0	800,000	0	0	0	650,000	0	0	0	0
Watershed Restoration Assessment	1,600,000	0	0	0	1,200,000	0	0	0	300,000	0	100,000	0	0
Watershed Restoration Improvements	550,000	0	0	0	400,000	0	0	0	150,000	0	0	0	0
Watershed Restoration Improvements 06	(26,583)	(26,583)	0	0	0	0	0	0	0	0	0	0	0
Watershed Restoration Maintenance*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Watershed/Stream Assessment Studies	(17,022)	(17,022)	0	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
<i>*Special Dedicated Paygo</i>													
<b>SUB-TOTAL STORMWATER MANAGEMENT</b>	<b>11,441,395</b>	<b>(43,605)</b>	<b>400,000</b>	<b>0</b>	<b>6,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,150,000</b>	<b>0</b>	<b>450,000</b>	<b>85,000</b>	<b>350,000</b>

**PROJECT: Bynum Run @ St. Andrews Way Stream Restoration**

**STORMWATER MANAGEMENT**

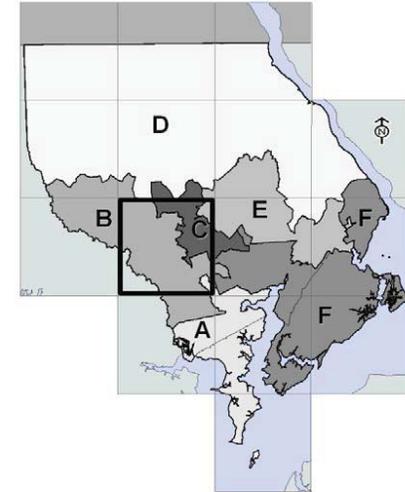
**COUNCIL DISTRICT: C**

**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 funded

**PROJECT STATUS:**

Design is 95% completed.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	145,000		145,000						145,000
Land Acquisition			0						0
Construction	1,697,026	800,000	2,497,026						2,497,026
Inspection Fees	355,000		355,000						355,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,197,026</b>	<b>800,000</b>	<b>2,997,026</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,997,026</b>

**FUNDING SCHEDULE**

R8750 Paygo	310,000		310,000						310,000
R3199 Federal Other	1,030,000		1,030,000						1,030,000
R8089 Reappropriated Paygo	57,026		57,026						57,026
R7100 Prior Bonds	800,000		800,000						800,000
R7000 Future Bonds		200,000	200,000						200,000
R3320 State DNR/SWM		600,000	600,000						600,000
<b>Total Funds</b>	<b>2,197,026</b>	<b>800,000</b>	<b>2,997,026</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,997,026</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$26,800  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 209,355  
 Encumbered  
 Total \$209,355

**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 (Construction complete) - joint project with Parks & Recreation, grant funding approved
- Abingdon Libray SWM Retrofit (Construction complete)
- Church Creek ES SWM Retrofit and Stream Restoration (Design 90% complete)
- Heavenly Wetland and Stream Creation (Design 75% complete)
- Bear Cabin Branch Wetland and Stream Restoration (Under construction) - grant funding approved
- Homestead Elementary Stormwater Retrofit (Design 30% complete)
- Annie's Playground Stream Restoration (Design 30% complete)

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,560,000	950,000	2,510,000	850,000	850,000	850,000	850,000	850,000	6,760,000
Land Acquisition			0						0
Construction	4,900,000	1,775,000	6,675,000	1,975,000	1,975,000	2,225,000	2,325,000	2,425,000	17,600,000
Inspection Fees	915,000	300,000	1,215,000	300,000	400,000	400,000	400,000	400,000	3,115,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>7,375,000</b>	<b>3,025,000</b>	<b>10,400,000</b>	<b>3,125,000</b>	<b>3,225,000</b>	<b>3,475,000</b>	<b>3,575,000</b>	<b>3,675,000</b>	<b>27,475,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	4,350,000		4,350,000						4,350,000
R3320 State DNR/SWM	2,725,000	1,225,000	3,950,000	1,225,000	1,225,000	1,225,000	1,225,000	1,225,000	10,075,000
R3199 Federal Other	300,000		300,000						300,000
R7000 Future Bonds		1,800,000	1,800,000	1,900,000	2,000,000	2,250,000	2,350,000	2,450,000	12,750,000
<b>Total Funds</b>	<b>7,375,000</b>	<b>3,025,000</b>	<b>10,400,000</b>	<b>3,125,000</b>	<b>3,225,000</b>	<b>3,475,000</b>	<b>3,575,000</b>	<b>3,675,000</b>	<b>27,475,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$164,820  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 1,026,786  
 Encumbered 2,114,868  
**Total \$3,141,654**

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

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**M184104**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	50,000	100,000	150,000	100,000	100,000	100,000	100,000	100,000	650,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>50,000</b>	<b>100,000</b>	<b>150,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>650,000</b>

**FUNDING SCHEDULE**

R8750 Special Dedicated Paygo	50,000	100,000	150,000	100,000	100,000	100,000	100,000	100,000	650,000
									0
<b>Total Funds</b>	<b>50,000</b>	<b>100,000</b>	<b>150,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>650,000</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 2/1/18:**

Expended  
 Encumbered  
 Total                      \$0

**PROJECT: Joppatowne Area Watershed Restoration**

**STORMWATER MANAGEMENT**

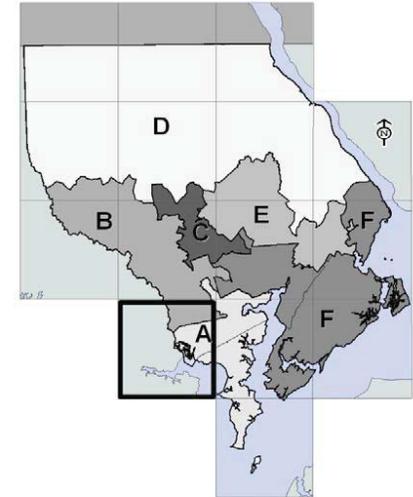
**COUNCIL DISTRICT: A**

**LOCATION: Joppatowne**

**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 (Construction complete)  
 Foster Branch at Stillmeadow (Design 30% complete)

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,240,000	175,000	1,415,000	175,000	175,000	175,000	175,000	175,000	2,290,000
Land Acquisition			0						0
Construction	1,975,000	675,000	2,650,000	325,000	325,000	325,000	325,000	325,000	4,275,000
Inspection Fees	285,000	50,000	335,000	50,000	50,000	50,000	50,000	50,000	585,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,500,000</b>	<b>900,000</b>	<b>4,400,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>7,150,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	300,000		300,000						300,000
R7100 Prior Bonds	1,750,000		1,750,000						1,750,000
R3320 State DNR/SWM	1,050,000	500,000	1,550,000	150,000	150,000	150,000	150,000	150,000	2,300,000
R3199 Federal Other	175,000		175,000						175,000
R8089 Reappropriated Paygo	225,000		225,000						225,000
R7000 Future Bonds		400,000	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000
<b>Total Funds</b>	<b>3,500,000</b>	<b>900,000</b>	<b>4,400,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>7,150,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$57,620  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 1,691,577  
 Encumbered 161,376  
 Total \$1,852,953

**PROJECT: Maintenance/Repair of Dams**

**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 Servene, and Oaks of Harford. In addition, the project will provide the funding for triennial maintenance inspections of stormwater management facilities mandated by the Maryland Department of the Environment and for the 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 repairs would be assessed against the owner(s).

**PROJECT SCHEDULE:**

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,705,000	350,000	2,055,000	350,000	350,000	350,000	350,000	350,000	3,805,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,705,000</b>	<b>350,000</b>	<b>2,055,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>3,805,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	95,000		95,000						95,000
R1515 Recordation Tax	60,000		60,000						60,000
R8750 Special Dedicated Paygo	200,000		200,000						200,000
R6999 Other	1,100,000	100,000	1,200,000	100,000	100,000	100,000	100,000	100,000	1,700,000
R1602 Special Assessment	250,000	250,000	500,000	250,000	250,000	250,000	250,000	250,000	1,750,000
<b>Total Funds</b>	<b>1,705,000</b>	<b>350,000</b>	<b>2,055,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>350,000</b>	<b>3,805,000</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 2/1/18:**

Expended 526,754  
 Encumbered  
 Total \$526,754

**PROJECT: Plumtree Run Watershed Restoration**

**STORMWATER MANAGEMENT**

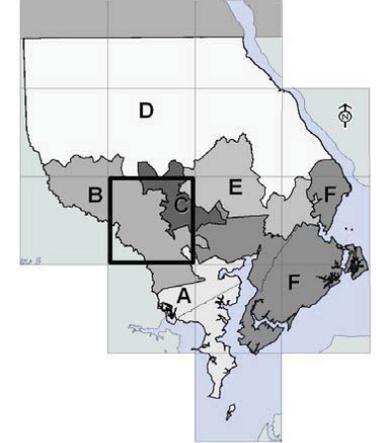
**COUNCIL DISTRICT: C**

**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 complete)
- Ring Factory SWM Retrofit and Stream Restoration (Under construction)
- Wakefield Stream Restoration (Design 30% complete)

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,018,452	175,000	1,193,452	175,000	175,000	175,000	175,000	175,000	2,068,452
Land Acquisition			0						0
Construction	3,100,000	600,000	3,700,000	600,000	600,000	600,000	600,000	600,000	6,700,000
Inspection Fees	625,000	125,000	750,000	125,000	125,000	125,000	125,000	125,000	1,375,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,743,452</b>	<b>900,000</b>	<b>5,643,452</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>10,143,452</b>

**FUNDING SCHEDULE**

R8750 Paygo	75,000		75,000						75,000
R3320 State DNR/SWM	1,900,000	150,000	2,050,000	150,000	150,000	150,000	150,000	150,000	2,800,000
R3199 Federal Other	175,000	350,000	525,000	350,000	350,000	350,000	350,000	350,000	2,275,000
R7100 Prior Bonds	2,250,000		2,250,000						2,250,000
R8089 Reappropriated Paygo	343,452		343,452						343,452
R7000 Future Bonds		400,000	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000
<b>Total Funds</b>	<b>4,743,452</b>	<b>900,000</b>	<b>5,643,452</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>10,143,452</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$71,020  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 1,098,534  
 Encumbered 1,040,314  
**Total \$2,138,848**

**PROJECT: Riverside Area Watershed Restoration**

**STORMWATER MANAGEMENT**

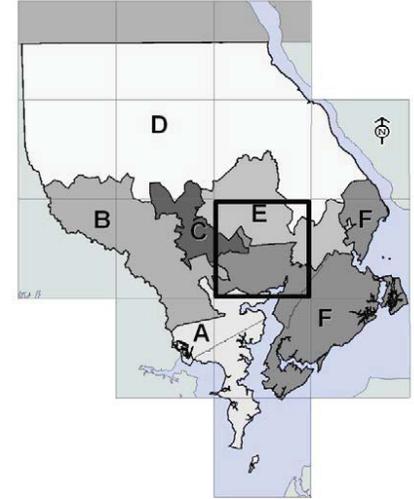
**COUNCIL DISTRICT: F**

**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 30% complete)

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	710,886	150,000	860,886	150,000	150,000	150,000	150,000	150,000	1,610,886
Land Acquisition			0						0
Construction	1,800,000	600,000	2,400,000	600,000	600,000	600,000	600,000	600,000	5,400,000
Inspection Fees	200,000	125,000	325,000	125,000	125,000	125,000	125,000	125,000	950,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,710,886</b>	<b>875,000</b>	<b>3,585,886</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>7,960,886</b>

**FUNDING SCHEDULE**

R3320 State DNR/SWM	1,100,000	475,000	1,575,000	475,000	475,000	475,000	475,000	475,000	3,950,000
R3199 Federal Other	75,000		75,000						75,000
R7100 Prior Bonds	1,320,000		1,320,000						1,320,000
R8089 Reappropriated Paygo	215,886		215,886						215,886
R7000 Future Bonds		400,000	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000
<b>Total Funds</b>	<b>2,710,886</b>	<b>875,000</b>	<b>3,585,886</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>875,000</b>	<b>7,960,886</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$46,096  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 115,994  
 Encumbered 159,825  
**Total \$275,819**

**PROJECT: Sams Branch Watershed Restoration**

**STORMWATER MANAGEMENT**

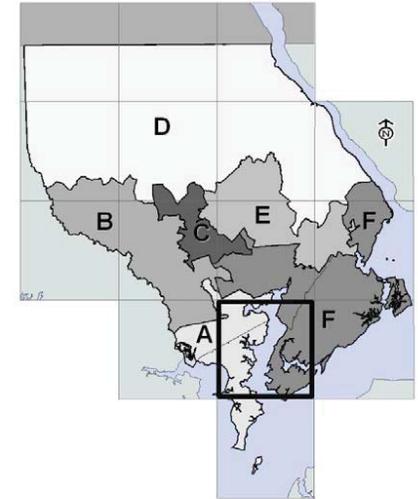
**COUNCIL DISTRICT: A**

**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 complete)

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	822,922	100,000	922,922	100,000	100,000	100,000	100,000	100,000	1,422,922
Land Acquisition	0		0						0
Construction	1,325,000	250,000	1,575,000	250,000	250,000	250,000	250,000	250,000	2,825,000
Inspection Fees	125,000	50,000	175,000	50,000	50,000	50,000	50,000	50,000	425,000
Equipment/Furnishing	0		0						0
<b>Total Cost</b>	<b>2,272,922</b>	<b>400,000</b>	<b>2,672,922</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>4,672,922</b>

**FUNDING SCHEDULE**

R8750 Paygo	350,000		350,000						350,000
R7100 Prior Bonds	470,000		470,000						470,000
R3320 State DNR/SWM	1,250,000	100,000	1,350,000	100,000	100,000	100,000	100,000	100,000	1,850,000
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>2,272,922</b>	<b>400,000</b>	<b>2,672,922</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>4,672,922</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$20,636  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 308,060  
 Encumbered 5,852  
 Total \$313,912



**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:**

FY 19 Other funding is authority to accept escrow funds from this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	165,000		165,000						165,000
Land Acquisition		85,000	85,000						85,000
Construction	650,000		650,000						650,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>815,000</b>	<b>85,000</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**

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
R6330 Developer		85,000	85,000						85,000
			0						0
			0						0
<b>Total Funds</b>	<b>815,000</b>	<b>85,000</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: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended	616,151
Encumbered	
<b>Total</b>	<b>\$616,151</b>

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	726,395	150,000	876,395	150,000	150,000	150,000	150,000	150,000	1,626,395
Land Acquisition			0						0
Construction	130,000		130,000						130,000
Inspection Fees	25,000		25,000						25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>881,395</b>	<b>150,000</b>	<b>1,031,395</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,781,395</b>

**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	250,000	150,000	400,000	150,000	150,000	150,000	150,000	150,000	1,150,000
			0						0
<b>Total Funds</b>	<b>881,395</b>	<b>150,000</b>	<b>1,031,395</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,781,395</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 2/1/18:**

Expended 575,367  
 Encumbered 52,767  
**Total \$628,134**



**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 - Joppa Area (2% complete) / Upper Bynum Run (50% complete)
- Basin Watershed Assessments - Winters Run
- Watershed Restoration Plans (TMDL) - Swan Creek (Complete), Bush River (Complete)

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 19 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	3,900,000	1,600,000	5,500,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	13,500,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,900,000</b>	<b>1,600,000</b>	<b>5,500,000</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>13,500,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	2,850,000		2,850,000						2,850,000
R3320 State DNR/SWM	725,000	300,000	1,025,000	300,000	300,000	300,000	300,000	300,000	2,525,000
R3199 Federal Other	325,000	100,000	425,000	100,000	100,000	100,000	100,000	100,000	925,000
R7000 Future Bonds		1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	7,200,000
<b>Total Funds</b>	<b>3,900,000</b>	<b>1,600,000</b>	<b>5,500,000</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>13,500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$108,540  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 1,429,668  
 Encumbered 926,333  
**Total \$2,356,001**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	420,000	125,000	545,000	125,000	125,000	125,000	125,000	125,000	1,170,000
Land Acquisition			0						0
Construction	1,110,000	350,000	1,460,000	350,000	350,000	350,000	350,000	350,000	3,210,000
Inspection Fees	170,000	75,000	245,000	75,000	75,000	75,000	75,000	75,000	620,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,700,000</b>	<b>550,000</b>	<b>2,250,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>5,000,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,250,000		1,250,000						1,250,000
R7000 Future Bonds		400,000	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000
R3320 State DNR/SWM	375,000	150,000	525,000	150,000	150,000	150,000	150,000	150,000	1,275,000
R3199 Federal Other	75,000		75,000						75,000
			0						0
			0						0
<b>Total Funds</b>	<b>1,700,000</b>	<b>550,000</b>	<b>2,250,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>550,000</b>	<b>5,000,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$44,220  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 113,524  
 Encumbered 82,989  
**Total \$196,513**

**PROJECT: Watershed Restoration Improvements 06**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A064103**

**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. Projects could qualify for grants up to 75%. This project will be used to develop conceptual designs for larger projects and design and construction for smaller projects. 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:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018. Paygo funding in the amount of \$26,583 has been transferred to the Refresh Capital Project (A124103).

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	887,000	(26,583)	860,417						860,417
Land Acquisition			0						0
Construction	576,228		576,228						576,228
Inspection Fees	65,000		65,000						65,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,528,228</b>	<b>(26,583)</b>	<b>1,501,645</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,501,645</b>

**FUNDING SCHEDULE**

R8750 Paygo	693,000		693,000						693,000
R8089 Reappropriated Paygo	335,228		335,228						335,228
R3320 State DNR/SWM	500,000		500,000						500,000
R8750 Prior Paygo		(26,583)	(26,583)						(26,583)
			0						0
			0						0
<b>Total Funds</b>	<b>1,528,228</b>	<b>(26,583)</b>	<b>1,501,645</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,501,645</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 2/1/18:**

Expended	1,051,645
Encumbered	
<b>Total</b>	<b>\$1,051,645</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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	260,000	100,000	360,000	100,000	100,000	100,000	100,000	100,000	860,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>260,000</b>	<b>100,000</b>	<b>360,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>860,000</b>

**FUNDING SCHEDULE**

R8750 Special Dedicated Paygo	100,000	100,000	200,000						200,000
R7100 Prior Bonds	160,000		160,000						160,000
R7000 Future Bonds				100,000	100,000	100,000	100,000	100,000	500,000
<b>Total Funds</b>	<b>260,000</b>	<b>100,000</b>	<b>360,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>860,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$4,288  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 50,150  
 Encumbered 47,470  
**Total \$97,620**

**PROJECT: Watershed/Stream Assessment Studies**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**A094107**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Watershed/stream 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:**



**PROJECT STATUS:**

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2018. Paygo funding in the amount of \$17,022 has been transferred to the Refresh Capital Project (A124103).

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,035,000	(17,022)	1,017,978						1,017,978
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	30,000		30,000						30,000
<b>Total Cost</b>	<b>1,065,000</b>	<b>(17,022)</b>	<b>1,047,978</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,047,978</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	225,000		225,000						225,000
R3320 State DNR/SWM	20,000		20,000						20,000
R8750 Paygo	755,000		755,000						755,000
R3199 Federal Other	65,000		65,000						65,000
R8750 Prior Paygo		(17,022)	(17,022)						(17,022)
			0						0
<b>Total Funds</b>	<b>1,065,000</b>	<b>(17,022)</b>	<b>1,047,978</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,047,978</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 2/1/18:**

Expended 1,045,443  
 Encumbered  
 Total \$1,045,443

**PROJECT: Wheel Creek Watershed Restoration**

**STORMWATER MANAGEMENT**

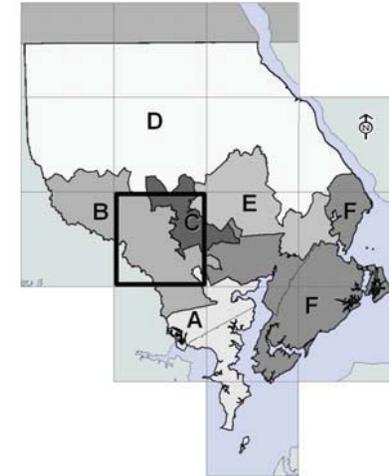
**COUNCIL DISTRICT: B**

**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 (Construction complete)  
Country Walk Pond 1B Retrofit (Construction complete)

**PROJECT STATUS:**

With the completion of the above projects, all of the project recommended in the Wheel Creek Watershed Assessment are complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	2,259,607	150,000	2,409,607	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>6,689,607</b>	<b>150,000</b>	<b>6,839,607</b>	<b>150,000</b>	<b>150,000</b>	<b>0</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	1,150,000		1,150,000						1,150,000
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				450,000
<b>Total Funds</b>	<b>6,689,607</b>	<b>150,000</b>	<b>6,839,607</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,139,607</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$34,840  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 5,675,211  
Encumbered 162,974  
**Total \$5,838,185**

# OPEN/ACTIVE PROJECTS

**PROJECT: Lilly Run Watershed Restoration**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: F**

**LOCATION: Havre de Grace**

**A134109**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The Lilly 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

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

**PROJECT: Sunnyview Stream Restoration**

**STORMWATER MANAGEMENT**

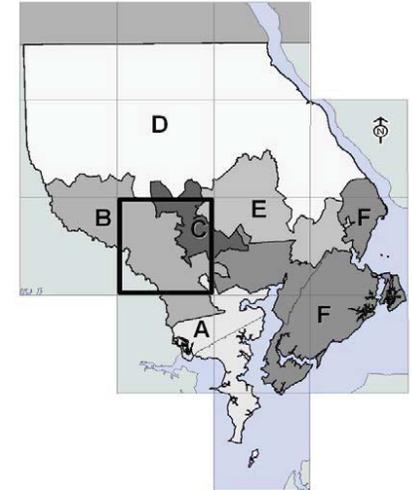
**COUNCIL DISTRICT: C**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 260,229

Encumbered 0

**Total \$260,229**

**PROJECT: Woodbridge Retrofit and Stream Restoration**

**STORMWATER MANAGEMENT**

**COUNCIL DISTRICT: A**

**LOCATION: Edgewood, MD**

**A074106**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the design and construction of a stormwater retrofit and stream restoration on a tributary of Foster Branch. Approximately 1,600 feet of stream will be restored as a result of this project. The stormwater facility is located in the Woodbridge community and discharges into the stream being restored. 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:**

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	260,000		260,000						260,000
Land Acquisition			0						0
Construction	650,000		650,000						650,000
Inspection Fees	110,000		110,000						110,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,020,000</b>	<b>0</b>	<b>1,020,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,020,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	620,000		620,000						620,000
R3320 State DNR/SWM	400,000		400,000						400,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,020,000</b>	<b>0</b>	<b>1,020,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,020,000</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 2/1/18:**

Expended	893,832
Encumbered	
<b>Total</b>	<b><u>\$893,832</u></b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>PUBLIC SAFETY</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Joppa/Magnolia Fire Station	1,240,000	700,000	540,000	0	0	0	0	0
Mobile/Portable Radio System Upgrade	2,150,000	150,000	1,000,000	1,000,000	0	0	0	0
911 State Fee Fund	4,600,000	300,000	300,000	3,600,000	100,000	100,000	100,000	100,000
Public Safety Communication in School	1,150,000	550,000	100,000	100,000	100,000	100,000	100,000	100,000
SCBA Replacement	2,250,000	750,000	250,000	250,000	250,000	250,000	250,000	250,000
VFC Facility Repair	3,560,000	1,100,000	460,000	400,000	400,000	400,000	400,000	400,000
Whiteford VFC - Renovation of Main	700,000	350,000	350,000	0	0	0	0	0
<b><u>Outyear Projects</u></b>								
Mobile Command Vehicle	1,200,000	0	0	1,200,000	0	0	0	0
Next-Gen 911	350,000	0	0	350,000	0	0	0	0
<b><u>Open Projects</u></b>								
Computer Equipment Networks	2,241,742	2,241,742	0	0	0	0	0	0
Emergency Operations Center Complex	43,294,525	43,294,525	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>62,896,267</b>	<b>49,596,267</b>	<b>3,000,000</b>	<b>6,900,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>
Paygo	12,191,250	5,191,250	1,700,000	2,300,000	750,000	750,000	750,000	750,000
Future Bonds	2,000,000	0	1,000,000	1,000,000	0	0	0	0
Prior Bonds	38,461,500	38,461,500	0	0	0	0	0	0
Reappropriated	362,500	362,500	0	0	0	0	0	0
State	6,898,000	2,598,000	300,000	3,600,000	100,000	100,000	100,000	100,000
Federal	2,202,000	2,202,000	0	0	0	0	0	0
Other	300,000	300,000	0	0	0	0	0	0
Lease Purchase	481,017	481,017	0	0	0	0	0	0
<b>Sheriff / Emergency / Fire Total by Fund</b>	<b>62,896,267</b>	<b>49,596,267</b>	<b>3,000,000</b>	<b>6,900,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>

FY 19 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

PUBLIC SAFETY

Joppatowne Magnolia Fire Station Expansion	540,000	0	540,000	0	0	0	0	0	0	0	0	0	0
Mobile/Portable Radio System Upgrade	1,000,000	0	0	0	1,000,000	0	0	0	0	0	0	0	0
911 State Fee Fund	300,000	0	0	0	0	0	0	0	300,000	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	460,000	0	460,000	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>3,000,000</b>	<b>0</b>	<b>1,700,000</b>	<b>0</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT: Joppa Magnolia Fire Station Expansion**

**VOLUNTEER FIRE COMPANIES**

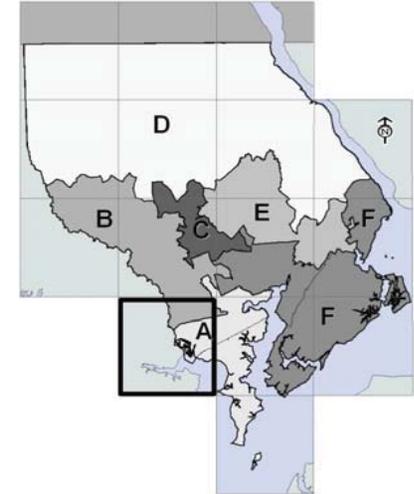
**COUNCIL DISTRICT: B**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	700,000	540,000	1,240,000						1,240,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>700,000</b>	<b>540,000</b>	<b>1,240,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,240,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	700,000	540,000	1,240,000						1,240,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>700,000</b>	<b>540,000</b>	<b>1,240,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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 2/1/18:**

Expended	31,850
Encumbered	0
<b>Total</b>	<b><u>31,850</u></b>

**PROJECT: Mobile/Portable Radio System Upgrade**

**EMERGENCY SERVICES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**E184106**

**PROJECT DESCRIPTION / JUSTIFICATION:**

DES has assumed the responsibility of a county-wide radio system to include law enforcement, public safety, and public service. This eliminates separate radio systems and streamlines the effort, while ensuring we are compliant with federal regulations. Funding is needed to provide replacement radios, radios for new vehicles, and radios for new hires, along with accessories. Uninterruptible Power Supply (UPS) equipment at the tower sites ensures uninterrupted service when electricity is lost. The UPS equipment is outdated at 9 out of 10 tower site locations. This equipment is no longer feasible due to parts no longer being available, and old technology leading to companies no longer willing to service them.

**PROJECT SCHEDULE:**

FY19: purchase additional public service radios (previously upgraded) to complete county-wide radio replacement, pagers and replace UPA units at 9 tower locations

FY20: build additional tower at Norrisville in conjunction with the Parks & Rec./DPW project



**PROJECT STATUS:**

Project is on-going

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	150,000	1,000,000	1,150,000	1,000,000					2,150,000
<b>Total Cost</b>	<b>150,000</b>	<b>1,000,000</b>	<b>1,150,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,150,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		1,000,000	1,000,000	1,000,000					2,000,000
R8750 Paygo	150,000		150,000						150,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>150,000</b>	<b>1,000,000</b>	<b>1,150,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,150,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$26,800  
 Annual Operating/Maintenance Cost:  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 49,112  
 Encumbered  
 Total \$49,112

**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 estimated at \$100,000 per year. It has recently paid for additional positions (software) for our dispatch center, new headsets for every dispatcher, and system upgrades to accommodate the new radio system. In FY19, if the Next Gen 911 capital project is approved, this funding will pay for start up costs of \$200,000, as well as \$3.5M in FY20 for telecommunication hardware equipment refresh.



**PROJECT SCHEDULE:**

FY19: Next Gen start up costs (\$200,000)

FY20: Equipment refresh for Next Gen project (\$3.5M)

FY19-24: annual reimbursement for applicable 911 items or services

**PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	300,000	300,000	600,000	3,600,000	100,000	100,000	100,000	100,000	4,600,000
<b>Total Cost</b>	<b>300,000</b>	<b>300,000</b>	<b>600,000</b>	<b>3,600,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>4,600,000</b>

**FUNDING SCHEDULE**

R3399 State Other	300,000	300,000	600,000	3,600,000	100,000	100,000	100,000	100,000	4,600,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>300,000</b>	<b>600,000</b>	<b>3,600,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>4,600,000</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 2/1/18:**

Expended 76,054

Encumbered 0

**Total \$76,054**

**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 allows 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	550,000	100,000	650,000	100,000	100,000	100,000	100,000	100,000	1,150,000
<b>Total Cost</b>	<b>550,000</b>	<b>100,000</b>	<b>650,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,150,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	550,000	100,000	650,000	100,000	100,000	100,000	100,000	100,000	1,150,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>550,000</b>	<b>100,000</b>	<b>650,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,150,000</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 2/1/18:**

Expended	282,893
Encumbered	0
<b>Total</b>	<b>\$282,893</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. Two 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:**

FY19: First bulk purchase

**PROJECT STATUS:**

Enough funding has accumulated to make the first bulk purchase in FY19. From there, a spending plan has been developed to replenish these items as they expire, or as additional ones are needed.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	750,000	250,000	1,000,000	250,000	250,000	250,000	250,000	250,000	2,250,000
<b>Total Cost</b>	<b>750,000</b>	<b>250,000</b>	<b>1,000,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>2,250,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	500,000	250,000	750,000	250,000	250,000	250,000	250,000	250,000	2,000,000
R6999 Other	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>750,000</b>	<b>250,000</b>	<b>1,000,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>2,250,000</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 2/1/18:**

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.

Abingdon VFC	repairs to stormwater mgt pond	24,000
Joppa Magnolia VFC	replace generator House 3	64,800
Susquehanna Hose	replace generator House 1	47,500
Norrisville VFC	asbestos abatement of siding	94,200
Jarrettsville VFC	replace fire alarm House 1	34,200
Darlington VFC	replace apparatus room bay doors	35,800
Norrisville VFC	upgrade water treatment system	29,100
Darlington VFC	replace walkways/ramps	12,300
Joppa Magnolia VFC	overhead doors House 3 & 1	25,700
Darlington VFC	replace driveway & parking areas	92,400
		460,000



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,100,000	460,000	1,560,000	400,000	400,000	400,000	400,000	400,000	3,560,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,100,000</b>	<b>460,000</b>	<b>1,560,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>3,560,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,100,000	460,000	1,560,000	400,000	400,000	400,000	400,000	400,000	3,560,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,100,000</b>	<b>460,000</b>	<b>1,560,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>3,560,000</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 2/1/18:**

Expended	1,125,862
Encumbered	0
<b>Total</b>	<b>\$1,125,862</b>

**PROJECT: Whiteford VFC - Renovation of Main Station**

**VOLUNTEER FIRE COMPANIES**

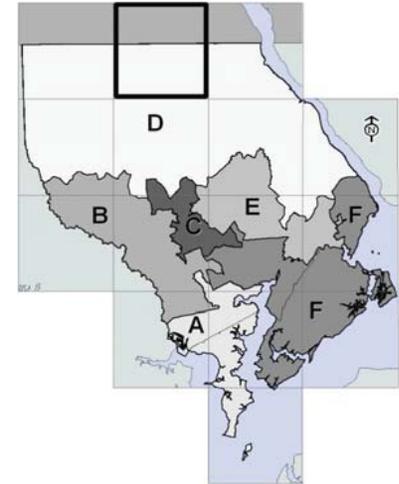
**COUNCIL DISTRICT: D**

**LOCATION: Whiteford**

**E184119**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to renovate/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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	350,000	350,000	700,000						700,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>350,000</b>	<b>350,000</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	350,000	350,000	700,000						700,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>350,000</b>	<b>350,000</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: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 350,000  
 Encumbered 0  
**Total \$350,000**

# **OUTYEAR PROJECTS**

## **FY 20 - FY 24**

**PROJECT: Mobile Command Vehicle**

**EMERGENCY SERVICES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**New**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The requested funding will be utilized to purchase a Mobile Command Vehicle that would be designed to respond to a situation at a moments notice. It will be equipped with the latest technology critical for effectively managing an emergency and coordinating with partner agencies. The equipment will include wireless connectivity, mobile computers, screens and monitors, surveillance cameras and communications equipment. It will serve as a command post that can effectively run and manage response activities, including coordination between police and fire departments, emergency operations centers, emergency services operations and other partner agencies. The mobile command vehicle can also be used for non-emergency situations such as parades, marathons, street fairs and other large public events. By enabling comprehensive field communications while providing the high quality of a control room in a mobile environment, first responders can be effectively equipped to command and control dynamic situations and tactical requirements.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0	1,200,000					1,200,000
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200,000</b>

**FUNDING SCHEDULE**

R8750 Paygo			0	1,200,000					1,200,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,200,000</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: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity:**

Expended  
 Encumbered  
 Total \$0

**PROJECT: Next-Gen 9-1-1**

**EMERGENCY SERVICES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**NEW**

**PROJECT DESCRIPTION / JUSTIFICATION:**

The current 911 (call taking) system is running on 40 year old technology, and it needs to be upgraded. In addition, our current vendor (Verizon) is exiting the 911 industry in the near future, requiring us to secure a new vendor. This project would allow us to obtain service through Next Generation Technologies, which is the "latest and greatest" 911 system design compliant with national standards. It will change our call delivery network to an IP based network, which will allow 911 callers to communicate with our dispatchers more effectively, and to share data such as videos, images, and texts. Likewise, this system will enable 911 centers to communicate better with one another. The 911 State Fee Fund will cover \$200,000 of start up costs in FY19 and hardware equipment upgrade of \$3.5M in FY20. This project would cover the upgrade for the Computer Aided Dispatch (CAD) system to become Next Gen compliant.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		0	0	350,000					350,000
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		0	0	350,000					350,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</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: \$420,000 until migration to new IP is complete  
 New Positions (FTE's): N/A

**Financial Activity as of**

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

# OPEN/ACTIVE PROJECTS

**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:**

Exchange upgrade to O365 is complete. RMS upgrade is underway; Windows 10 is on the roadmap. O365 Office client installs are on the roadmap. Research for future video storage needs are underway; research for encryption compliance is underway; refresh is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,241,742	0	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	0	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 2/1/18:**

Expended	2,195,762
Encumbered	8,562
<b>Total</b>	<b><u>\$2,204,324</u></b>

**PROJECT: Emergency Operations Center Complex-Phase II**

**EMERGENCY SERVICES**

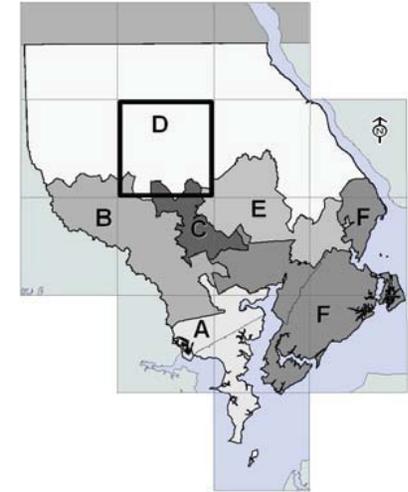
**COUNCIL DISTRICT: D**

**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. Funding is in place for Phase II of this project which would house the Hazmat Team, Technical Rescue Team, and the new EMS division. Currently rented space for the Hazmat and TRT teams is not adequate due to limited space/vehicle maneuverability, poor ventilation, flooding, etc.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 34,207,557  
 Encumbered 707,614  
**Total \$34,915,171**

**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 Technical Rescue 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	160,000		160,000						160,000
<b>Total Cost</b>	<b>160,000</b>	<b>0</b>	<b>160,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>160,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	160,000		160,000						160,000
R6340 Corporate/Business			0						0
R3399 State Other			0						0
R3199 Federal Other			0						0
<b>Total Funds</b>	<b>160,000</b>	<b>0</b>	<b>160,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>160,000</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 2/1/18:**

Expended	55,559
Encumbered	0
<b>Total</b>	<b>55,559</b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2019	FY 2020	FIVE YEAR CAPITAL PROGRAM			
					FY 2021	FY 2022	FY 2023	FY 2024

GENERAL FUND

HARFORD COMMUNITY COLLEGE
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**FY 19 Funded Projects:**

Fallston Hall Renovations	7,138,208	586,880	5,851,328	700,000	0	0	0	0
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**Open Projects:**

Edgewood Hall Renovation and Expansion	8,632,000	8,632,000	0	0	0	0	0	0
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<b>College Total by Project</b>	<b>15,770,208</b>	<b>9,218,880</b>	<b>5,851,328</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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Paygo	0	0	0	0	0	0	0	0
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Future Bonds	3,092,400	0	2,762,000	330,400	0	0	0	0
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Prior Bonds	4,050,000	4,050,000	0	0	0	0	0	0
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Reappropriated	0	0	0	0	0	0	0	0
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State	8,627,808	5,168,880	3,089,328	369,600	0	0	0	0
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Other	0	0	0	0	0	0	0	0
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<b>College Total by Fund</b>	<b>15,770,208</b>	<b>9,218,880</b>	<b>5,851,328</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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FY 19 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

HARFORD COMMUNITY COLLEGE

Fallston Hall Renovations	5,851,328	0	0	0	2,762,000	0	0	0	3,089,328	0	0	0	0
<b>SUB-TOTAL HARFORD COMMUNITY COLLEGE</b>	<b>5,851,328</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,762,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,089,328</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**PROJECT: Fallston Hall Renovations**

**HARFORD COMMUNITY COLLEGE**

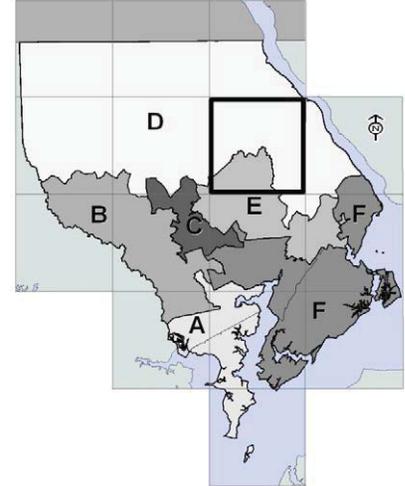
**COUNCIL DISTRICT: E**

**LOCATION: Churchville**

**C184107**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	586,880		586,880						586,880
Land Acquisition			0						0
Construction		5,851,328	5,851,328						5,851,328
Inspection Fees			0						0
Equipment/Furnishing			0	700,000					700,000
<b>Total Cost</b>	<b>586,880</b>	<b>5,851,328</b>	<b>6,438,208</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,138,208</b>

**FUNDING SCHEDULE**

R7920 State Bonds	308,880	3,089,328	3,398,208	369,600					3,767,808
R7100 Prior Bonds	278,000		278,000						278,000
R7000 Future Bonds		2,762,000	2,762,000	330,400					3,092,400
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>586,880</b>	<b>5,851,328</b>	<b>6,438,208</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,138,208</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$81,472  
 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**

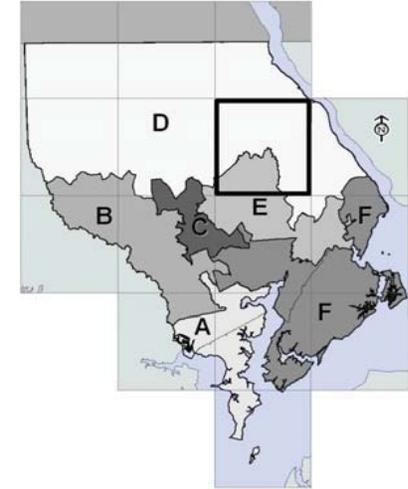
**LOCATION: Churchville**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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: \$101,090  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 3,232,876  
 Encumbered 0  
**Total \$3,232,876**

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2019	FY 2020	FIVE YEAR CAPITAL PROGRAM				
					FY 2021	FY 2022	FY 2023	FY 2024	
<b>GENERAL FUND</b>									
<b>LIBRARIES</b>									
<b><u>FY 19 Funded Projects:</u></b>									
Technology	1,711,400	759,100	200,000	94,700	126,100	104,700	261,700	165,100	
<b><u>Open Projects:</u></b>									
Darlington Branch - Expansion	56,000	56,000	0	0	0	0	0	0	0
Havre de Grace Expansion	9,020,000	9,020,000	0	0	0	0	0	0	0
Joppa Branch - Central Dehumidification	100,000	100,000	0	0	0	0	0	0	0
<b>Libraries Total by Project</b>	<b>10,887,400</b>	<b>9,935,100</b>	<b>200,000</b>	<b>94,700</b>	<b>126,100</b>	<b>104,700</b>	<b>261,700</b>	<b>165,100</b>	
Paygo	1,867,400	915,100	200,000	94,700	126,100	104,700	261,700	165,100	
Prior Paygo	0	0	0	0	0	0	0	0	0
Future Bonds	0	0	0	0	0	0	0	0	0
Prior Bonds	6,720,000	6,720,000	0	0	0	0	0	0	0
State	1,000,000	1,000,000	0	0	0	0	0	0	0
Federal	400,000	400,000	0	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0	0
Other	900,000	900,000	0	0	0	0	0	0	0
<b>Libraries Total by Fund</b>	<b>10,887,400</b>	<b>9,935,100</b>	<b>200,000</b>	<b>94,700</b>	<b>126,100</b>	<b>104,700</b>	<b>261,700</b>	<b>165,100</b>	

FY 19 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

LIBRARIES

<b>Technology</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>									
<b>SUB-TOTAL LIBRARIES</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</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:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	759,100	200,000	959,100	94,700	126,100	104,700	261,700	165,100	1,711,400
<b>Total Cost</b>	<b>759,100</b>	<b>200,000</b>	<b>959,100</b>	<b>94,700</b>	<b>126,100</b>	<b>104,700</b>	<b>261,700</b>	<b>165,100</b>	<b>1,711,400</b>

**FUNDING SCHEDULE**

R8750 Paygo	749,460	200,000	949,460	94,700	126,100	104,700	261,700	165,100	1,701,760
R8750 Prior Paygo	9,640		9,640						9,640
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>759,100</b>	<b>200,000</b>	<b>959,100</b>	<b>94,700</b>	<b>126,100</b>	<b>104,700</b>	<b>261,700</b>	<b>165,100</b>	<b>1,711,400</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 2/1/18:**

Expended	672,923
Encumbered	0
<b>Total</b>	<b>\$672,923</b>

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Darlington Branch - Expansion**

**LIBRARIES**

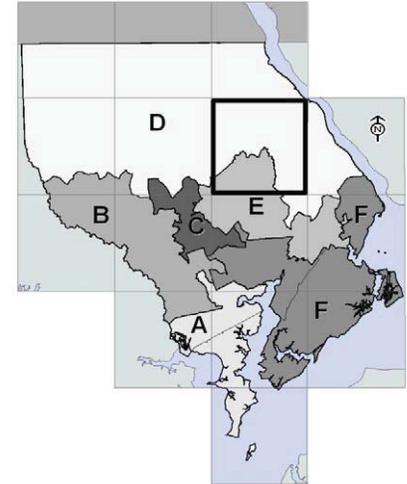
**COUNCIL DISTRICT: D**

**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.



**PROJECT SCHEDULE:**

FY 2015: Feasibility Study

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
R7000 Future Bonds			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 2/1/18:**

Expended 33,845  
 Encumbered 0  
**Total \$33,845**

**PROJECT: Havre de Grace Expansion**

**LIBRARIES**

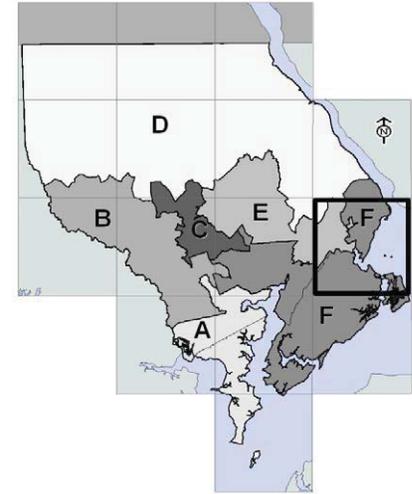
**COUNCIL DISTRICT: F**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 8,937,020  
 Encumbered 2,695  
 Total \$8,939,715

**PROJECT: Joppa Branch - Centralized Dehumidification**

**LIBRARIES**

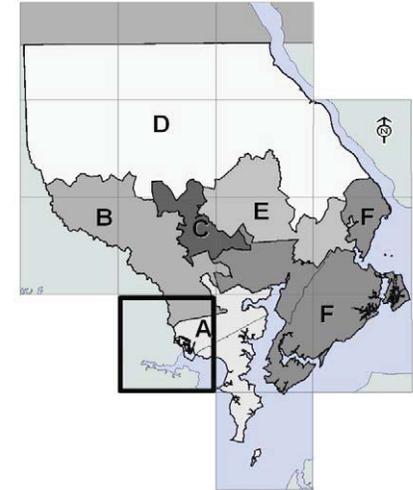
**COUNCIL DISTRICT: A**

**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:**

This project is complete and will be closed and removed from Capital Improvement Program after completion of audit July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 100,000  
 Encumbered  
 Total \$100,000

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2019	FY 2020	FIVE YEAR CAPITAL PROGRAM			
					FY 2021	FY 2022	FY 2023	FY 2024

GENERAL FUND

BOARD OF EDUCATION
--------------------

FY 19 Projects

Athletic Fields Repair & Restoration	1,187,000	587,000	100,000	100,000	100,000	100,000	100,000	100,000
Bel Air ES HVAC Systemic Reno	8,129,000	7,561,000	568,000	0	0	0	0	0
Fallston Chiller Replacement	1,000,000	0	1,000,000	0	0	0	0	0
HdG Middle/High School Replacement	104,606,000	41,950,000	43,831,000	18,825,000	0	0	0	0
Replacement Buses	12,825,197	12,575,197	250,000	0	0	0	0	0
Roof Replacement - Aberdeen MS	2,664,000	0	2,664,000	0	0	0	0	0
Security Measures	3,285,000	1,735,000	325,000	325,000	225,000	225,000	225,000	225,000
Swimming Pool Renovations	2,759,000	963,000	300,000	655,000	161,000	680,000	0	0
Technology Infrastructure	4,758,217	3,758,217	1,000,000	0	0	0	0	0

Outyear Projects

Major HVAC Repairs	14,187,550	9,187,550	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Major Roof Replacement	7,500,000	0	0	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000

Open Projects

Aberdeen High School Stadium & Weight	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	900,000	900,000	0	0	0	0	0	0
Backflow Prevention	600,000	600,000	0	0	0	0	0	0
Building Envelope Improvements	700,000	700,000	0	0	0	0	0	0
Center for Educational Opportunity	4,625,000	4,625,000	0	0	0	0	0	0
Darlington ES Comprehensive HVAC	1,638,000	1,638,000	0	0	0	0	0	0
Edgewood HS Replacement	83,581,790	83,581,790	0	0	0	0	0	0
Equipment and Furniture Replacement	1,055,000	1,055,000	0	0	0	0	0	0
Fallston HS Comp HVAC Systemic	17,546,940	17,546,940	0	0	0	0	0	0
Fire Alarm & ER Communication	1,387,000	1,387,000	0	0	0	0	0	0
Homestead Wakefield ES Mod	133,454	133,454	0	0	0	0	0	0
Integrated Business Systems	403,000	403,000	0	0	0	0	0	0
Joppatowne HS Systemic Project	13,673,000	13,673,000	0	0	0	0	0	0
Music Equipment Refresh Program 14	50,000	50,000	0	0	0	0	0	0
North Harford HS Aquaculture Lab	830,000	830,000	0	0	0	0	0	0
North Harford HS Modernization	31,873,132	31,873,132	0	0	0	0	0	0
North Harford MS Domestic Water	1,000,000	1,000,000	0	0	0	0	0	0
Playground Equipment	350,000	350,000	0	0	0	0	0	0
Prospect Mill ES HVAC	4,685,000	4,685,000	0	0	0	0	0	0
Red Pump Road ES	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 ES HVAC Equipment	1,099,000	1,099,000	0	0	0	0	0	0
Riverside ES Systemic Renovation	8,780,000	8,780,000	0	0	0	0	0	0
Roof Replacement - Joppatowne HS	2,400,000	2,400,000	0	0	0	0	0	0
Roof Replacement - North Harford ES	1,064,000	1,064,000	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
Technology Education Lab Refresh	250,000	250,000	0	0	0	0	0	0
Textbook/Supplemental Materials	5,300,000	5,300,000	0	0	0	0	0	0

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>BOARD OF EDUCATION</b>								
William Paca/Old Post ES	2,417,000	2,417,000	0	0	0	0	0	0
William S. James Open Space	1,400,000	1,400,000	0	0	0	0	0	0
Youth's Benefit ES Replacement	45,957,866	45,957,866	0	0	0	0	0	0
<b>Education Total by Project</b>	<b>434,631,052</b>	<b>350,047,052</b>	<b>50,038,000</b>	<b>22,405,000</b>	<b>2,986,000</b>	<b>3,505,000</b>	<b>2,825,000</b>	<b>2,825,000</b>
Paygo	28,193,432	22,997,432	1,975,000	1,080,000	486,000	1,005,000	325,000	325,000
Future Bonds	59,290,000	0	33,952,000	18,338,000	1,750,000	1,750,000	1,750,000	1,750,000
Prior Bonds	237,879,706	237,879,706	0	0	0	0	0	0
Reappropriated	8,504,704	8,504,704	0	0	0	0	0	0
Transfer Tax	7,793,589	7,793,589	0	0	0	0	0	0
Recordation Tax	58,170	58,170	0	0	0	0	0	0
State	88,419,000	68,321,000	14,111,000	2,987,000	750,000	750,000	750,000	750,000
Other	4,492,451	4,492,451	0	0	0	0	0	0
Lease Purchase	0	0	0	0	0	0	0	0
<b>Education Total by Fund</b>	<b>434,631,052</b>	<b>350,047,052</b>	<b>50,038,000</b>	<b>22,405,000</b>	<b>2,986,000</b>	<b>3,505,000</b>	<b>2,825,000</b>	<b>2,825,000</b>

FY 19 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

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 Encl.	568,000	0	0	0	0	0	0	0	568,000	0	0	0	0
Fallston Chiller Replacement	1,000,000	0	0	0	446,000	0	0	0	554,000	0	0	0	0
Havre de Grace Middle/High School Replacement	43,831,000	0	0	0	32,287,000	0	0	0	11,544,000	0	0	0	0
Replacement Buses	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Roof Replacement - Aberdeen Middle School	2,664,000	0	0	0	1,219,000	0	0	0	1,445,000	0	0	0	0
Security Measures	325,000	0	325,000	0	0	0	0	0	0	0	0	0	0
Swimming Pool Renovations	300,000	0	300,000	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>50,038,000</b>	<b>0</b>	<b>1,975,000</b>	<b>0</b>	<b>33,952,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,111,000</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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	587,000	100,000	687,000	100,000	100,000	100,000	100,000	100,000	1,187,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>587,000</b>	<b>100,000</b>	<b>687,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,187,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	251,000	100,000	351,000	100,000	100,000	100,000	100,000	100,000	851,000
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>587,000</b>	<b>100,000</b>	<b>687,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>1,187,000</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 2/1/18::**

Expended 284,857  
 Encumbered 0  
**Total \$284,857**

**PROJECT: Bel Air Elementary School HVAC Systemic Renovation & Open Space Enclosure**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: C**

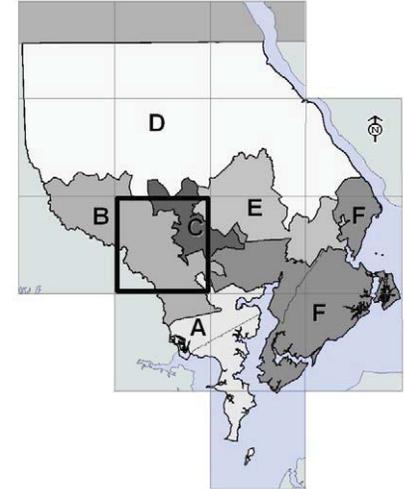
**LOCATION: Bel Air, MD**

**B184108**

**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.

This project was funded by the County and partially funded by the State in FY 18. This request is for the remaining State funding needed to complete the project.



**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,710,000		1,710,000						1,710,000
Land Acquisition			0						0
Construction	5,851,111	568,000	6,419,111						6,419,111
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>7,561,111</b>	<b>568,000</b>	<b>8,129,111</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,129,111</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	3,970,000		3,970,000						3,970,000
R7920 State Bonds	3,591,000	568,000	4,159,000						4,159,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>7,561,000</b>	<b>568,000</b>	<b>8,129,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,129,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$106,396  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 441,317  
 Encumbered  
 Total \$441,317

**PROJECT: Fallston Chiller Replacement**

**BOARD OF EDUCATION**

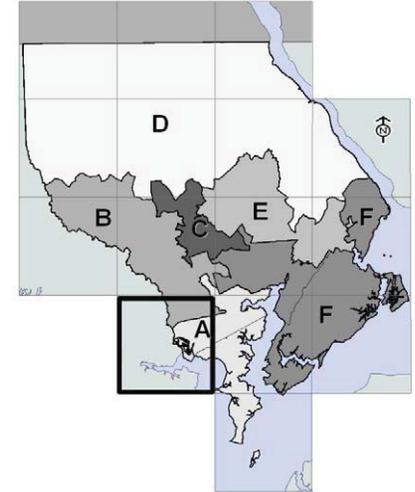
**COUNCIL DISTRICT: B**

**LOCATION: Fallston, MD**

**B194103**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to replace the water cooled chiller at Fallston Middle School with an air-cooled chiller. The existing cooling tower enclosure will require updates to make room for the air cooled chiller. The current chiller has been previously identified as requiring replacement. Recently, it has experienced increased failures that caused the school to be without cooling for a short period. Future problems could lead to additional damage done to the internal components of the chiller. There is a risk of possible permanent damage and loss of cooling for an extended period of time.



**PROJECT SCHEDULE:**

Design summer of 2018. Bid Fall of 2018. Construction Winter 2018 - Spring 2019.

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		120,000	120,000						120,000
Land Acquisition			0						0
Construction		880,000	880,000						880,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

**FUNDING SCHEDULE**

R7920 State Bonds		554,000	554,000						554,000
R7000 Future Bonds		446,000	446,000						446,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</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: \$11,953  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended  
 Encumbered 0  
 Total \$0

**PROJECT: Havre de Grace Middle/High School Replacement**

**BOARD OF EDUCATION**

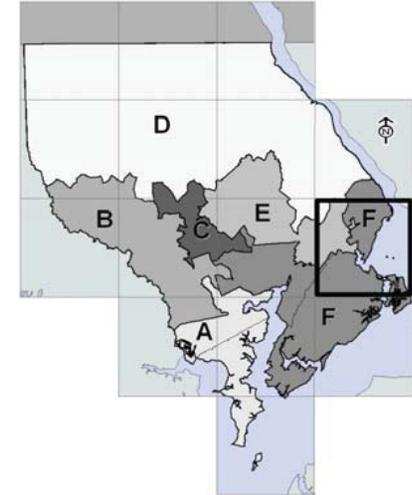
**COUNCIL DISTRICT: F**

**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:**

Construction to begin 2018, with building completion expected by July 2020.  
Demolition of existing buildings to follow.

**PROJECT STATUS:** Construction

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	4,950,000		4,950,000						4,950,000
Land Acquisition			0						0
Construction	37,000,000	43,831,000	80,831,000	12,625,000					93,456,000
Inspection Fees			0						0
Equipment/Furnishing			0	6,200,000					6,200,000
<b>Total Cost</b>	<b>41,950,000</b>	<b>43,831,000</b>	<b>85,781,000</b>	<b>18,825,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>104,606,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	31,700,000		31,700,000						31,700,000
R7920 State Bonds	10,000,000	11,544,000	21,544,000	2,237,000					23,781,000
R6999 Other BOE	250,000		250,000						250,000
R7000 Future Bonds		32,287,000	32,287,000	16,588,000					48,875,000
			0						0
			0						0
<b>Total Funds</b>	<b>41,950,000</b>	<b>43,831,000</b>	<b>85,781,000</b>	<b>18,825,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>104,606,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$1,714,852  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 4,522,896  
Encumbered 0  
Total \$4,522,896

**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.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	12,575,197	250,000	12,825,197						12,825,197
<b>Total Cost</b>	<b>12,575,197</b>	<b>250,000</b>	<b>12,825,197</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,825,197</b>

**FUNDING SCHEDULE**

R8750 Paygo	8,676,574	250,000	8,926,574						8,926,574
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>12,575,197</b>	<b>250,000</b>	<b>12,825,197</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,825,197</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 2/1/18:**

Expended 9,540,402  
 Encumbered 0  
 Total 9,540,402

**PROJECT: Roof Replacement - Aberdeen Middle School**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: E**

**LOCATION: Aberdeen**

**B194104**

**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. Aberdeen Middle School is in need of replacement in FY 2019. Projects are submitted for funding consideration through the State Capital Improvement Plan request.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		370,000	370,000						370,000
Land Acquisition			0						0
Construction		2,294,000	2,294,000						2,294,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>2,664,000</b>	<b>2,664,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,664,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		1,219,000	1,219,000						1,219,000
R7920 State Bonds		1,445,000	1,445,000						1,445,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>2,664,000</b>	<b>2,664,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,664,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$326,692  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended  
 Encumbered 0  
 Total \$0

**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:**

FY 2019 - Security camera upgrade at Edgewood MS, two additional cameras at Aberdeen, Fallston, Harford Tech and North Harford HS. Upgrade classroom locks at William Paca and Old Post ES.

FY 2020 - Security camera upgrade at Joppatowne HS. Upgrade classroom locks at Darlington and Dublin ES.

FY 2021 - Security camera upgrade at C Milton Wright HS. Upgrade classroom locks at Norrisville and Bel Air ES.

FY 2022 - Security camera upgrades at Fallston High School. Upgrade classroom locks at HdG and Meadowvale ES.

FY 2023 - Security camera upgrades at Harford Glen Center. Upgrade classroom locks at Roye Williams ES.

FY 2024 - Security camera upgrade at Central Office. Security upgrade to classroom locks at Riverside and Church Creek ES.

FY 2025 - Security camera upgrade at Aberdeen MS. Upgrade classroom locks at Halls Cross Roads and George Lisby ES.



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	1,735,000	325,000	2,060,000	225,000	225,000	225,000	225,000	225,000	3,185,000
<b>Total Cost</b>	<b>1,735,000</b>	<b>325,000</b>	<b>2,060,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>3,185,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	700,000	325,000	1,025,000	325,000	225,000	225,000	225,000	225,000	2,250,000
R6999 Other BOE	1,035,000		1,035,000						1,035,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,735,000</b>	<b>325,000</b>	<b>2,060,000</b>	<b>325,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>3,285,000</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 2/1/18:**

Expended	697,988
Encumbered	0
<b>Total</b>	<b>\$697,988</b>

**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:**

FY 2019 - North Harford Middle School swimming pool - replace aging filter system and related components, retile the pool deck and add a chloramine removal system as recommended in the system assessment report for the North Harford Middle School pool completed in January 2017.

FY 2020 - Replace dehumidification units at Edgewood MS

FY 2021 - Magnolia MS drain deck replacement

FY 2022 - Replace dehumidification units at North Harford MS



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		20,000	20,000	70,000	16,000	70,000			176,000
Land Acquisition			0						0
Construction	963,000	280,000	1,243,000	585,000	145,000	610,000			2,583,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>963,000</b>	<b>300,000</b>	<b>1,263,000</b>	<b>655,000</b>	<b>161,000</b>	<b>680,000</b>	<b>0</b>	<b>0</b>	<b>2,759,000</b>

**FUNDING SCHEDULE**

R6999 Other BOE	362,113		362,113						362,113
R8750 Paygo	353,000	300,000	653,000	655,000	161,000	680,000			2,149,000
R7100 Prior Bonds	247,887		247,887						247,887
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>963,000</b>	<b>300,000</b>	<b>1,263,000</b>	<b>655,000</b>	<b>161,000</b>	<b>680,000</b>	<b>0</b>	<b>0</b>	<b>2,759,000</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 2/1/18:**

Expended	41,444
Encumbered	0
<b>Total</b>	<b><u>41,444</u></b>

**PROJECT: Technology Infrastructure**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**BOARD OF EDUCATION**

**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:**

Network Equipment Replacement (7-8 year cycle): 1,310 wireless access points must be replaced due to End of Life support. Additional firewall to create redundancy on the instructional wireless network. Replacement of Extreme switches which end support in October, 2018.

Replacement of Desktop/Mobile (4 year cycle): Refresh computers at EOL support. FY 19 is cost phase II for 1 device per student along with refresh of non-instructional devices (teacher/clerical/admin).

Phone Systems Replacement: Replace antiquated analog phone systems where 50% are approaching 20+ years.

Multi-Media Replacement - Refresh aging LCD projectors. Replacement bulbs cost more than the projector.

Auditorium/Gymnasium Audio/Video Systems: AHS Auditorium Sound modification; NHHS Auditorium Sound/Video Modification.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	3,758,217	1,000,000	4,758,217						4,758,217
<b>Total Cost</b>	<b>3,758,217</b>	<b>1,000,000</b>	<b>4,758,217</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,758,217</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,134,541	1,000,000	2,134,541						2,134,541
R1525 Transfer Tax	87,387		87,387						87,387
R7100 Prior Bonds	2,400,822		2,400,822						2,400,822
R8026 Reappropriated Transfer Tax	55,473		55,473						55,473
R8089 Reappropriated Paygo	79,994		79,994						79,994
			0						0
			0						0
<b>Total Funds</b>	<b>3,758,217</b>	<b>1,000,000</b>	<b>4,758,217</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,758,217</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 2/1/18:**

Expended	3,617,074
Encumbered	0
<b>Total</b>	<b>\$3,617,074</b>

# **OUTYEAR PROJECTS**

## **FY 20 - FY 24**

**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:**

- FY 2020 - Abingdon Elementary Chiller Replacement and Pneumatic Controls, Bel Air Middle School Chiller Replacement
- FY 2021 - Hickory Elementary Chiller Replacement and burner replacement, Edgewood MS Chiller replacement
- FY 2022 - Church Creek Elementary Boiler and Pneumatic Controls
- FY 2023 - Old Post Road (2) boilers replacement, Joppatowne HS (2) boiler replacement
- FY 2024 - North Harford Energy recovery units



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0	100,000	100,000	100,000	100,000	100,000	500,000
Land Acquisition			0						0
Construction	9,187,550		9,187,550	900,000	900,000	900,000	900,000	900,000	13,687,550
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>9,187,550</b>	<b>0</b>	<b>9,187,550</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>14,187,550</b>

**FUNDING SCHEDULE**

R8750 Paygo	223,452		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	5,540,643		5,540,643						5,540,643
R7000 Future Bonds			0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
<b>Total Funds</b>	<b>9,187,550</b>	<b>0</b>	<b>9,187,550</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>14,187,550</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$148,489  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 4,895,846  
 Encumbered 0  
 Total \$4,895,846



# **OPEN/ACTIVE PROJECTS**

**PROJECT: Aberdeen High School Stadium and Weight Room Upgrades**

**BOARD OF EDUCATION**

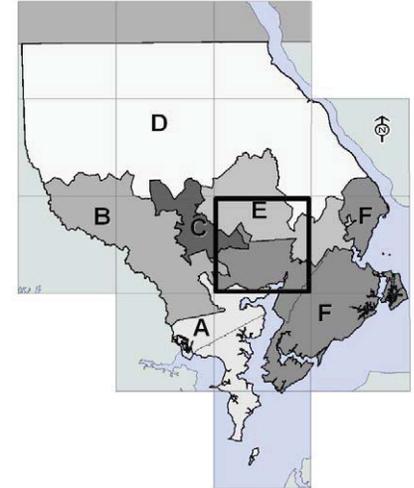
**COUNCIL DISTRICT: E**

**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:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	1,600,000
Encumbered	0
<b>Total</b>	<b>\$1,600,000</b>

**PROJECT: Aberdeen HS North Building**

**BOARD OF EDUCATION**

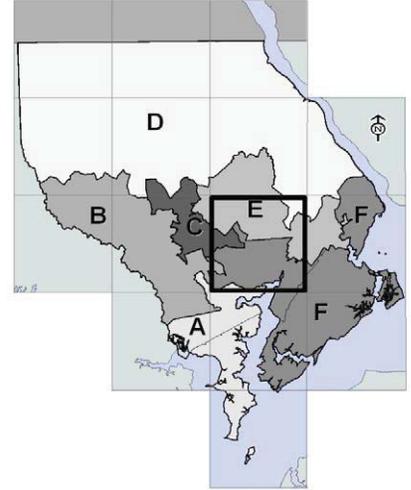
**COUNCIL DISTRICT: E**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	665,000		665,000						665,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>665,000</b>	<b>0</b>	<b>665,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>665,000</b>

**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
<b>Total Funds</b>	<b>665,000</b>	<b>0</b>	<b>665,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>665,000</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 2/1/18:**

Expended 567,053  
 Encumbered 0  
**Total \$567,053**

**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:**



\*In 2018, \$300,000 in Prior Bonds was transferred from the Fallston HVAC Capital Project to provide funding to replace the elevator at CMW High School.

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	900,000		900,000						900,000
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**

R8750 Paygo	350,000		350,000						350,000
R6999 Other BOE	250,000		250,000						250,000
R7100 Prior Bonds	300,000		300,000						300,000
			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: \$945,971  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 278,022  
 Encumbered  
 Total \$278,022

**PROJECT: Backflow Prevention**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: C**

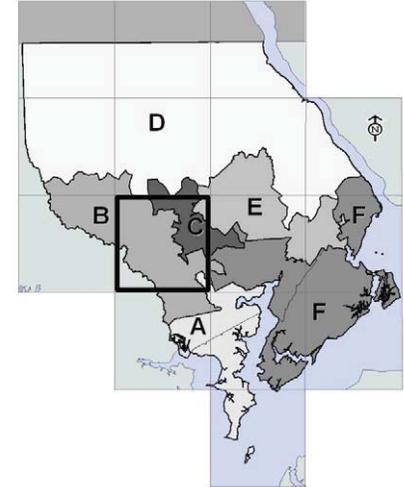
**LOCATION: Various**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	600,000		600,000						600,000
Inspection Fees			0						0
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**

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
<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: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 339,509  
 Encumbered  
 Total \$339,509

**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:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	200,000
Encumbered	0
<b>Total</b>	<b>\$200,000</b>

**PROJECT: Center for Educational Opportunity - HVAC**

**BOARD OF EDUCATION**

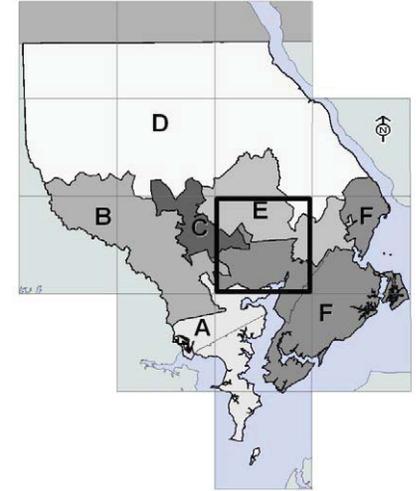
**COUNCIL DISTRICT: E**

**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 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:**

Design - August 2015 to January 2016  
 Complete Construction by Spring, 2017

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	2,135,164
Encumbered	0
<b>Total</b>	<b>\$2,135,164</b>

**PROJECT: Darlington Elementary School Comprehensive HVAC Systemic Project**

**BOARD OF EDUCATION**

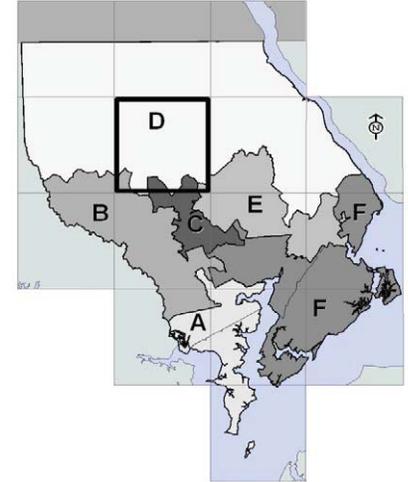
**COUNCIL DISTRICT: D**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction	1,306,460		1,306,460						1,306,460
Inspection Fees	131,540		131,540						131,540
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,638,000</b>	<b>0</b>	<b>1,638,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,638,000</b>

**FUNDING SCHEDULE**

R7920 State Bonds	603,000		603,000						603,000
R7100 Prior Bonds	1,035,000		1,035,000						1,035,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,638,000</b>	<b>0</b>	<b>1,638,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,638,000</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 2/1/18**

Expended 1,140,646  
 Encumbered 0  
**Total \$1,140,646**

**PROJECT: Edgewood High School Replacement**

**BOARD OF EDUCATION**

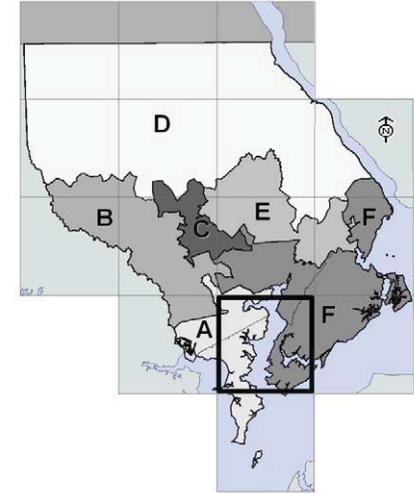
**COUNCIL DISTRICT: A**

**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:**

This project is complete, it will be closed and removed from the Capital Improvement Program following the completion of the audit July, 2018

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 81,889,203  
 Encumbered 0  
 Total 81,889,203

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<b>Total Cost</b>	<b>1,055,000</b>	<b>0</b>	<b>1,055,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,055,000</b>

**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
<b>Total Funds</b>	<b>1,055,000</b>	<b>0</b>	<b>1,055,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,055,000</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 2/1/18:**

Expended	754,950
Encumbered	0
<b>Total</b>	<b><u>754,950</u></b>

**PROJECT: Fallston High School Comprehensive HVAC Systemic Project**

**BOARD OF EDUCATION**

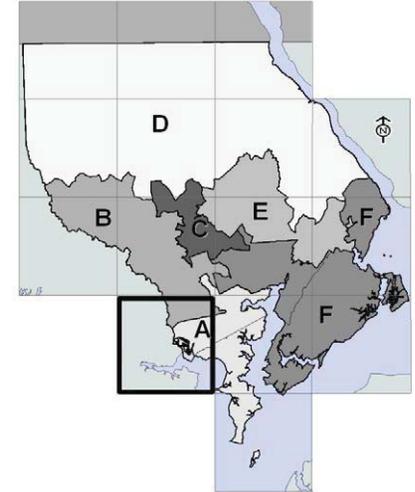
**COUNCIL DISTRICT: B**

**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:**

In 2018, \$300,000 in Prior Bonds was transferred to the ADA Improvements capital project to provide an emergency elevator replacement for CMW HS

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,082,049		1,082,049						1,082,049
Land Acquisition			0						0
Construction	16,464,891		16,464,891						16,464,891
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>17,546,940</b>	<b>0</b>	<b>17,546,940</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,546,940</b>

**FUNDING SCHEDULE**

R7920 State Bonds	9,873,000		9,873,000						9,873,000
R7100 Prior Bonds	7,673,940		7,673,940						7,673,940
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>17,546,940</b>	<b>0</b>	<b>17,546,940</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,546,940</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 2/1/18:**

Expended 7,574,604  
 Encumbered 0  
 Total \$7,574,604

**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. These funds are utilized for the installation, repair, or replacement of obsolete fire alarm and emergency communication systems; major sprinkler.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,387,000		1,387,000						1,387,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,387,000</b>	<b>0</b>	<b>1,387,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,387,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	500,000		500,000						500,000
R6999 Other BOE	425,000		425,000						425,000
R1525 Transfer Tax	104,400		104,400						104,400
R8026 Reappropriated Transfer Tax	75,000		75,000						75,000
R7100 Prior Bonds	282,600		282,600						282,600
			0						0
<b>Total Funds</b>	<b>1,387,000</b>	<b>0</b>	<b>1,387,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,387,000</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 2/1/18:**

Expended	648,743
Encumbered	0
<b>Total</b>	<b>\$648,743</b>

**PROJECT: Homestead Wakefield ES Modernization**

**BOARD OF EDUCATION**

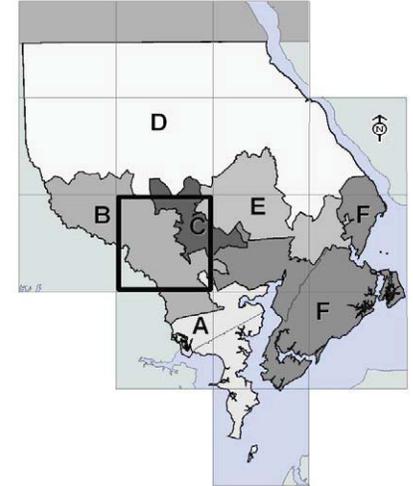
**COUNCIL DISTRICT: B**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	32,454
Encumbered	0
<b>Total</b>	<b><u>32,454</u></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:**

Upgrade to replace the time accrual module is currently underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	392,126
Encumbered	0
<b>Total</b>	<b>\$392,126</b>

**PROJECT: Joppatowne High School Systemic Project**

**BOARD OF EDUCATION**

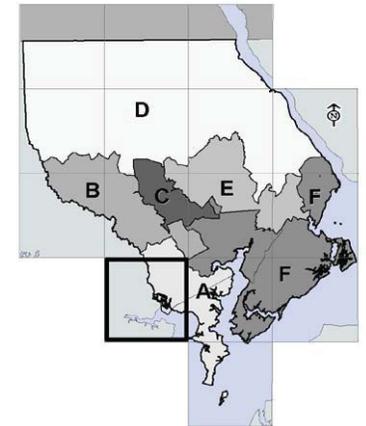
**COUNCIL DISTRICT: A**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	47,524
Encumbered	0
<b>Total</b>	<b>\$47,524</b>

**PROJECT: North Harford HS Aquaculture Lab and Greenhouse**

**BOARD OF EDUCATION**

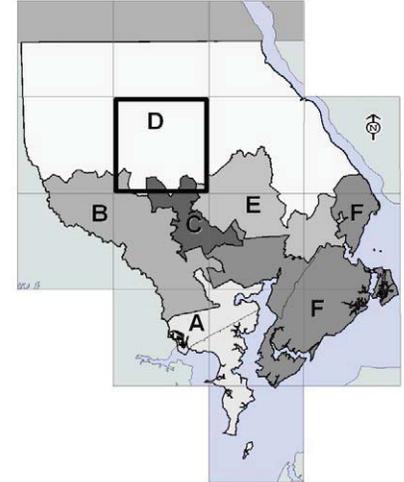
**COUNCIL DISTRICT: D**

**LOCATION: Pylesville, MD**

**B184109**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>830,000</b>	<b>0</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>830,000</b>	<b>0</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 2/1/18:**

Expended 27,722  
 Encumbered  
 Total \$27,722

**PROJECT: North Harford High School Modernization**

**BOARD OF EDUCATION**

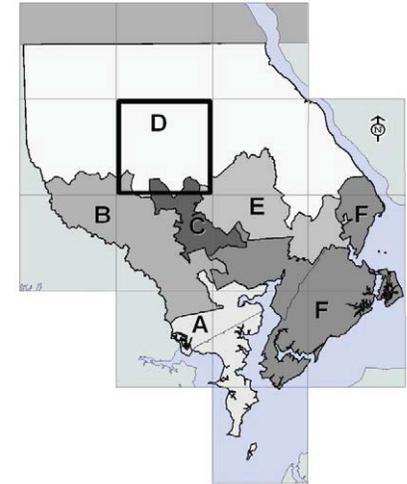
**COUNCIL DISTRICT: D**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 31,793,179  
 Encumbered 0  
**Total 31,793,179**

**PROJECT: North Harford Middle School Domestic Water Improvements**

**BOARD OF EDUCATION**

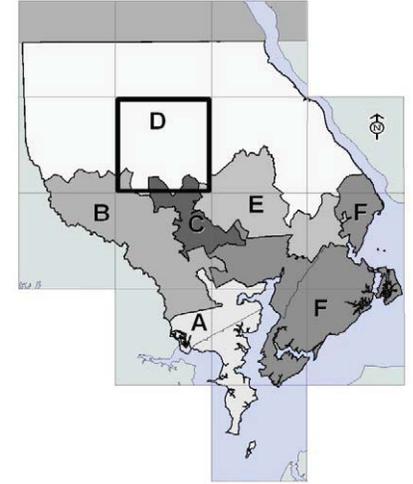
**COUNCIL DISTRICT: D**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<b>Total Cost</b>	<b>1,000,000</b>	<b>0</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	1,000,000		1,000,000						1,000,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,000,000</b>	<b>0</b>	<b>1,000,000</b>	<b>0</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: \$45,000  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 143,419  
 Encumbered  
 Total \$143,419

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	343,549
Encumbered	
<b>Total</b>	<b><u>\$343,549</u></b>

**PROJECT: Prospect Mill Elementary School HVAC**

**BOARD OF EDUCATION**

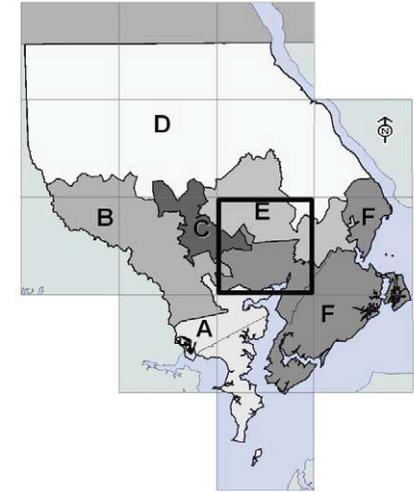
**COUNCIL DISTRICT: E**

**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:**

Design - Fall, 2015  
 Complete Construction - August, 2016

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<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 2/1/18:**

Expended	2,224,081
Encumbered	0
<b>Total</b>	<b><u>\$2,224,081</u></b>

**PROJECT: Red Pump Road Elementary School**

**BOARD OF EDUCATION**

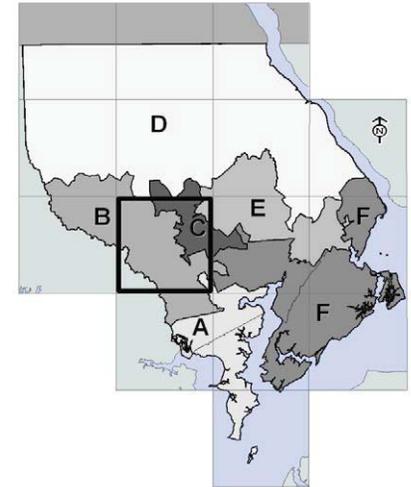
**COUNCIL DISTRICT: C**

**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:**

This project received a use and occupancy permit from the County. Occupancy took place in August, 2011.

**PROJECT STATUS:**

The construction phase is 100% complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	28,079,197
Encumbered	0
<b>Total</b>	<b><u>28,079,197</u></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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

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:**

Design - October 2014 to April 2015; Award contract in May, 2015; complete construction August, 2015.  
Based on this tentative schedule the anticipated completion and occupancy is August, 2015.



**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	470,000
Encumbered	
<b>Total</b>	<b>\$470,000</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:**

Design - summer/fall 2016

Bid spring of 2017

Construction begins summer 2017 and will be completed in the summer of 2018.

**PROJECT STATUS:**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 2,665,878

Encumbered

Total \$2,665,878

**PROJECT: Roof Replacement - Joppatowne High School**

**BOARD OF EDUCATION**

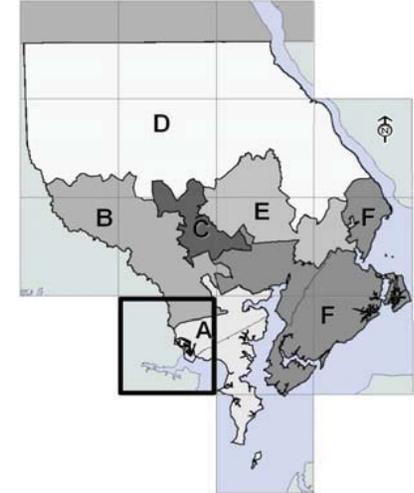
**COUNCIL DISTRICT: A**

**LOCATION: Joppatowne**

**B174105**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 667,548  
 Encumbered 0  
 Total \$667,548

**PROJECT: Roof Replacement - North Harford Elementary School**

**BOARD OF EDUCATION**

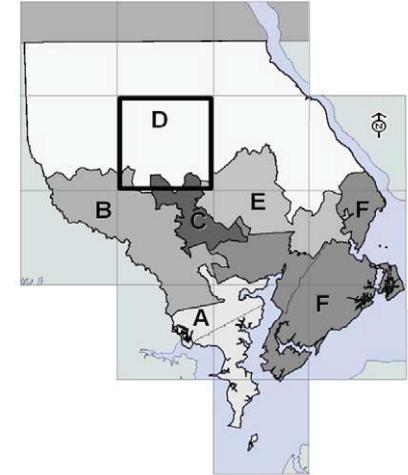
**COUNCIL DISTRICT: D**

**LOCATION: Pylesville**

**B184120**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>1,064,000</b>	<b>0</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>1,064,000</b>	<b>0</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 2/1/18:**

Expended	11,590
Encumbered	0
<b>Total</b>	<b>\$11,590</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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	1,024,596
Encumbered	0
<b>Total</b>	<b>\$1,024,596</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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	638,669
Encumbered	0
<b>Total</b>	<b><u>638,669</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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 37,134  
 Encumbered 0  
**Total \$37,134**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	2,399,771
Encumbered	0
<b>Total</b>	<b><u><u>\$2,399,771</u></u></b>

**PROJECT: William Paca/Old Post Elementary School Open Space Enclosure**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: A**

**LOCATION: Abingdon**

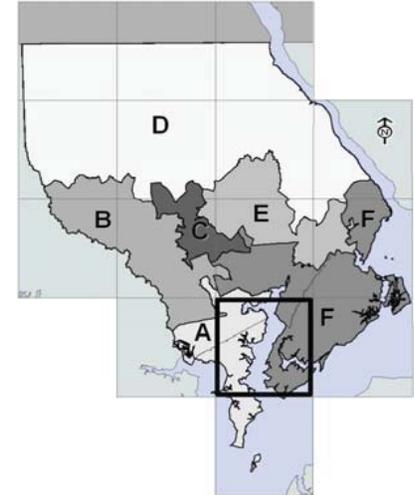
**B174106**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	1,163,662
Encumbered	0
<b>Total</b>	<b><u>\$1,163,662</u></b>

**PROJECT: William S. James ES Open Space Enclosure Project**

**BOARD OF EDUCATION**

**COUNCIL DISTRICT: B**

**LOCATION: Abingdon**

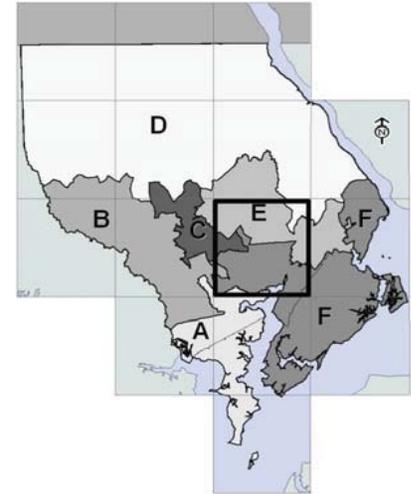
**B174107**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	680,552
Encumbered	0
<b>Total</b>	<b>\$680,552</b>

**PROJECT: Youth's Benefit Elementary School Replacement**

**BOARD OF EDUCATION**

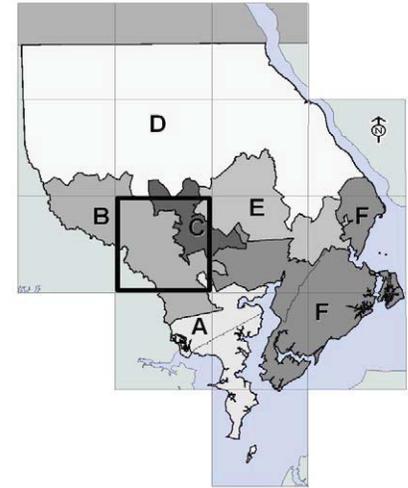
**COUNCIL DISTRICT: B**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 34,668,803  
 Encumbered 0  
**Total 34,668,803**

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2019	FY 2020	FIVE YEAR CAPITAL PROGRAM				
					FY 2021	FY 2022	FY 2023	FY 2024	
<u>GENERAL FUND</u>									
<b>SOLID WASTE SERVICES</b>									
<b><u>FY 19 Funded Projects:</u></b>									
HWDC Expansion	21,235,354	20,970,354	265,000	0	0	0	0	0	0
Waste-to-Energy Facility Closure	8,163,753	6,113,753	2,050,000	0	0	0	0	0	0
<b><u>Outyear Projects</u></b>									
HWDC Pavement Upgrades	600,000	400,000	0	200,000	0	0	0	0	0
<b><u>Open Projects:</u></b>									
Environmental Studies and Projects	1,440,900	1,440,900	0	0	0	0	0	0	0
Former Spencers Landfill Closure	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
Scarboro Landfill Groundwater	250,000	250,000	0	0	0	0	0	0	0
Tollgate Landfill Gas System	1,034,679	1,034,679	0	0	0	0	0	0	0
Tollgate Yard Trim Recycling	975,081	975,081	0	0	0	0	0	0	0
<b>Solid Waste Services Total by Project</b>	<b>50,544,767</b>	<b>48,029,767</b>	<b>2,315,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Paygo</b>	<b>26,386,043</b>	<b>23,871,043</b>	<b>2,315,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Reappropriated</b>	<b>2,693,283</b>	<b>2,693,283</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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>0</b>
<b>Prior Bonds</b>	<b>21,125,441</b>	<b>21,125,441</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Other</b>	<b>340,000</b>	<b>340,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Solid Waste Services Total by Fund</b>	<b>50,544,767</b>	<b>48,029,767</b>	<b>2,315,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

FY 19 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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SOLID WASTE SERVICES

SOLID WASTE SERVICES

HWDC Expansion	265,000	0	265,000	0	0	0	0	0	0	0	0	0	0
Waste to Energy Facility Closure	2,050,000	0	2,050,000	0	0	0	0	0	0	0	0	0	0

<b>SUB-TOTAL SOLID WASTE CAPITAL</b>	<b>2,315,000</b>	<b>0</b>	<b>2,315,000</b>	<b>0</b>									
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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.

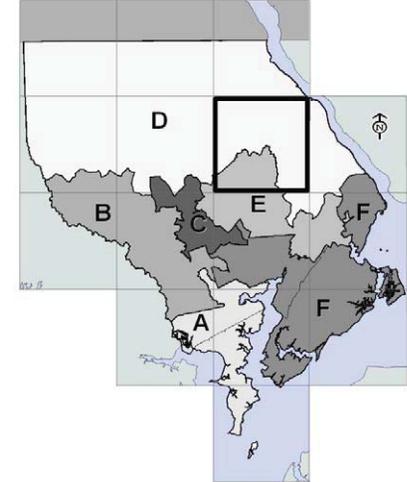
**PROJECT SCHEDULE:**

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



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,181,013		1,181,013						1,181,013
Land Acquisition	1,900,000		1,900,000						1,900,000
Construction	17,739,341	265,000	18,004,341						18,004,341
Inspection Fees			0						0
Equipment/Furnishing	150,000		150,000						150,000
<b>Total Cost</b>	<b>20,970,354</b>	<b>265,000</b>	<b>21,235,354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,235,354</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	19,001,127		19,001,127						19,001,127
R8750 Paygo	800,000	265,000	1,065,000						1,065,000
R8089 Reappropriated Paygo	1,169,227		1,169,227						1,169,227
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>20,970,354</b>	<b>265,000</b>	<b>21,235,354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,235,354</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 2/1/18:**

Expended	19,892,522
Encumbered	407,812
<b>Total</b>	<b>\$20,300,334</b>

**PROJECT: Waste-To-Energy Facility Closure**

**SOLID WASTE**

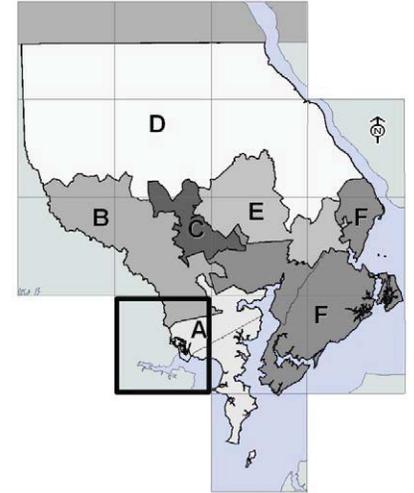
**COUNCIL DISTRICT: A**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	400,000		400,000						400,000
Land Acquisition			0						0
Construction	5,713,753	2,050,000	7,763,753						7,763,753
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>6,113,753</b>	<b>2,050,000</b>	<b>8,163,753</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,163,753</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	803,753		803,753						803,753
R8750 Paygo	5,310,000	2,050,000	7,360,000						7,360,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>6,113,753</b>	<b>2,050,000</b>	<b>8,163,753</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,163,753</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 2/1/18:**

Expended 944,687  
 Encumbered 113,102  
**Total \$1,057,789**

# **OUTYEAR PROJECTS**

**FY 20 - FY 24**

**PROJECT: HWDC Pavement Upgrades**

**SOLID WASTE**

**COUNCIL DISTRICT: D**

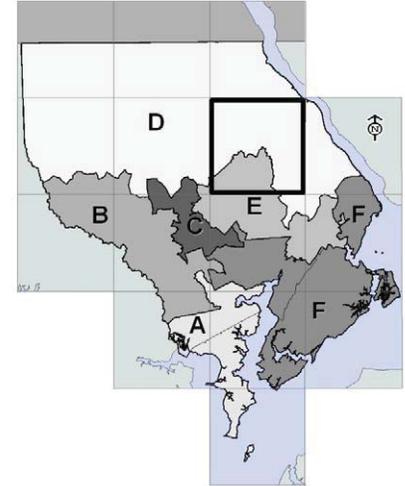
**LOCATION: Street, MD**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	400,000		400,000	200,000					600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>400,000</b>	<b>0</b>	<b>400,000</b>	<b>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	200,143		200,143	200,000					400,143
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>400,000</b>	<b>0</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 2/1/18:**

Expended	0
Encumbered	0
<b>Total</b>	<b>\$0</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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18::**

Expended	1,207,099
Encumbered	26,110
<b>Total</b>	<b>\$1,233,209</b>

**PROJECT: Former Spencers Landfill Closure (East Side)**

**SOLID WASTE**

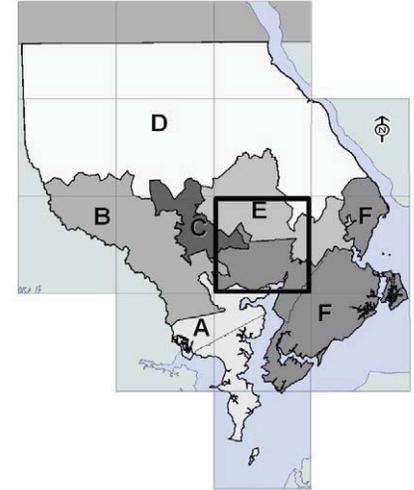
**COUNCIL DISTRICT: F**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 5,096,253  
 Encumbered  
 Total \$5,096,253

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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	300,000		300,000						300,000
			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: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended	235,040
Encumbered	64,960
<b>Total</b>	<b>\$300,000</b>

**PROJECT: HWDC Compost Area Facilities**

**SOLID WASTE**

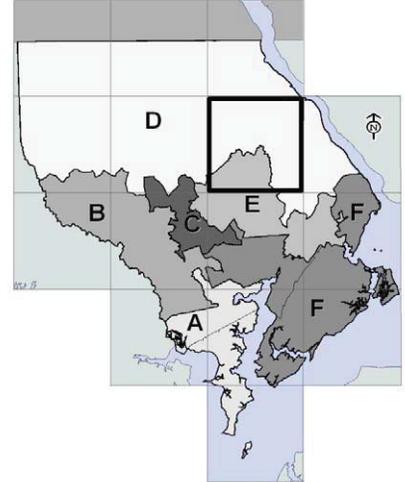
**COUNCIL DISTRICT: D**

**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 hand wash 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<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 2/1/18:**

Expended	31,045
Encumbered	0
<b>Total</b>	<b><u>31,045</u></b>

**PROJECT: HWDC Landfill Capping**

**SOLID WASTE**

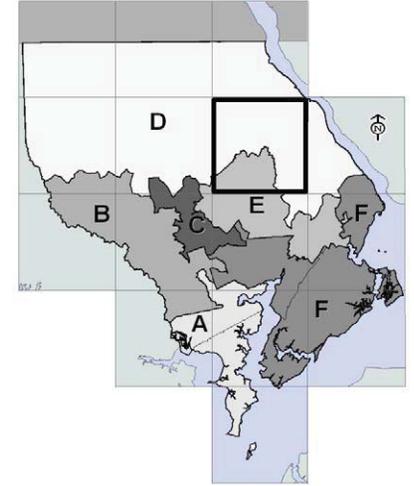
**COUNCIL DISTRICT: D**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 8,301,669  
 Encumbered 162,133  
**Total \$8,463,802**

**PROJECT: Scarboro Landfill Groundwater Treatment Plant Evaluation and Upgrades**

**SOLID WASTE**

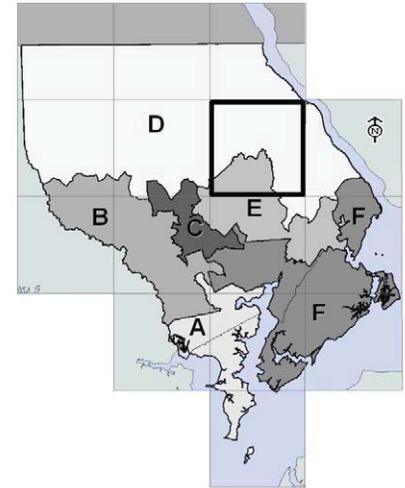
**COUNCIL DISTRICT: D**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	150,000		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>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 2/1/18:**

Expended	20,309
Encumbered	
<b>Total</b>	<b>\$20,309</b>

**PROJECT: Tollgate Landfill Gas System**

**SOLID WASTE**

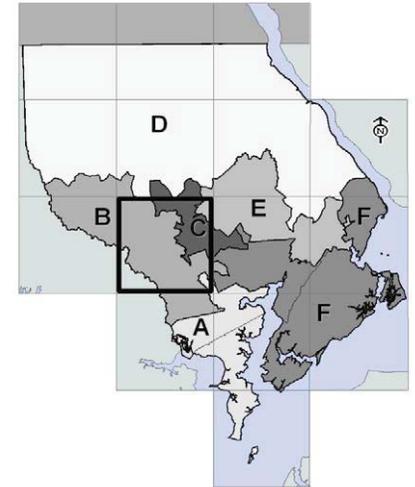
**COUNCIL DISTRICT: C**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	1,033,333
Encumbered	497
<b>Total</b>	<b>\$1,033,830</b>

**PROJECT: Tollgate Yard Trim Recycling Center**

**SOLID WASTE**

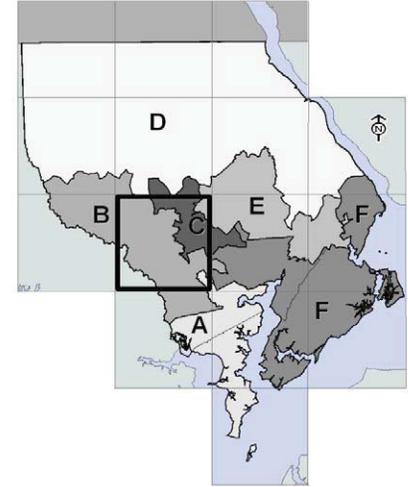
**COUNCIL DISTRICT: C**

**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

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	975,081		975,081						975,081
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>975,081</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	949,314		949,314						949,314
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>975,081</b>	<b>0</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 2/1/18:**

Expended	25,000
Encumbered	0
<b>Total</b>	<b>\$25,000</b>

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b><u>PARKS &amp; RECREATION FUND</u></b>								
<b><u>FY 19 Funded Projects:</u></b>								
Anita C. Leight Center Improvements	1,005,000	755,000	250,000	0	0	0	0	0
Athletic Field Improvements	16,850,000	12,400,000	150,000	1,400,000	700,000	700,000	700,000	800,000
Bleacher Renovations	890,000	430,000	60,000	80,000	80,000	80,000	80,000	80,000
Bush River Dredging and DMP Site	990,000	100,000	890,000	0	0	0	0	0
Canoe and Kayak Water Access	1,405,000	730,000	150,000	0	200,000	0	0	325,000
Cedar Lane Sports Improvements	3,261,000	2,261,000	100,000	200,000	200,000	200,000	200,000	100,000
Eden Mill Park Rehabilitation	1,305,000	955,000	200,000	0	50,000	0	0	100,000
Edgewood Recreation Park	650,000	0	50,000	0	0	100,000	0	500,000
Emily Bayliss Graham Park	3,850,000	1,775,000	800,000	0	525,000	500,000	0	250,000
Emmorton Rec and Tennis Ctr	1,485,000	985,000	500,000	0	0	0	0	0
Equestrian Center Improvements	675,000	325,000	50,000	100,000	100,000	0	0	100,000
Facility Renovations	875,000	225,000	150,000	100,000	100,000	100,000	100,000	100,000
Flying Point Park Improvements	403,000	303,000	100,000	0	0	0	0	0
Forest Hill Rec Complex Improvements	800,000	200,000	600,000	0	0	0	0	0
Fox Meadows Park Improvements	450,000	100,000	350,000	0	0	0	0	0
Gunpowder River Dredging	2,234,000	1,764,000	470,000	0	0	0	0	0
Gymnasium Floor Repair & Reno	510,000	60,000	75,000	75,000	75,000	75,000	75,000	75,000
Jarrettsville Complex Restrooms	270,000	350,000	(80,000)	0	0	0	0	0
Mariner Point Park Renovations	686,000	361,000	275,000	0	0	0	50,000	0
Natural Turf Improvements	1,890,000	1,240,000	50,000	150,000	150,000	75,000	75,000	150,000
Park Improvements	380,000	80,000	50,000	50,000	50,000	50,000	50,000	50,000
Parking Lot Paving	1,409,000	749,000	155,000	150,000	55,000	0	150,000	150,000
Parkland Acquisition	14,581,000	6,356,000	3,100,000	1,025,000	1,025,000	1,025,000	1,025,000	1,025,000
Playground Equipment	3,330,000	2,030,000	250,000	150,000	225,000	225,000	225,000	225,000
Rock Glenn Park	1,410,000	0	100,000	1,200,000	0	0	10,000	100,000
Swan Harbor Farm Improvements	1,689,000	614,000	25,000	0	1,050,000	0	0	0
Tennis/Multipurpose Courts	1,490,000	740,000	200,000	100,000	100,000	100,000	100,000	150,000
Trails & Linear Parks	14,600,000	4,100,000	5,500,000	1,000,000	0	2,000,000	0	2,000,000
Tudor Hall Rehabilitation	760,000	550,000	60,000	0	0	0	0	150,000
<b><u>Outyear Projects</u></b>								
Aberdeen Activity Center	9,000,000	0	0	0	500,000	8,000,000	500,000	0
ADA Improvements	729,307	404,307	0	75,000	75,000	0	75,000	100,000
Backstop Renovations	570,000	270,000	0	100,000	50,000	50,000	50,000	50,000
Benson Field Development	1,100,000	0	0	0	100,000	1,000,000	0	0
Blake's Venture Park	1,100,000	0	0	0	100,000	0	1,000,000	0
Bulkhead Renovations	650,000	0	0	40,000	535,000	0	75,000	0
Darlington Park Development	2,035,000	1,895,000	0	140,000	0	0	0	0
Disc Golf Course	100,000	50,000	0	0	50,000	0	0	0
Edgeley Grove Farm	140,000	40,000	0	100,000	0	0	0	0
Edgewood Recreation & Comm Ctr	250,000	100,000	0	150,000	0	0	0	0
Jarrettsville Recreation Center	7,210,775	510,775	0	0	0	0	6,500,000	200,000
Joppa/Joppatowne Youth/Senior Center	7,000,000	0	0	0	0	0	500,000	6,500,000
Magnolia Complex Development	2,480,000	2,055,000	0	425,000	0	0	0	0
Norrisville Park	1,325,000	0	0	125,000	525,000	525,000	150,000	0
Northern Regional Park	2,325,000	575,000	0	0	0	250,000	0	1,500,000
Perryman Park Development	1,125,000	0	0	0	125,000	1,000,000	0	0
Prospect Mill Park	600,000	0	0	100,000	500,000	0	0	0
Red Pump Road ES Facilities	175,000	0	0	0	50,000	125,000	0	0
Robert Copenhagen Park Improve	550,000	300,000	0	0	0	0	250,000	0
Rockfield Park Improvements	370,000	170,000	0	100,000	100,000	0	0	0
SWM Pond Repair and Renovation	800,000	450,000	0	110,000	120,000	0	120,000	0
Tollgate Woodshop	75,000	25,000	0	50,000	0	0	0	0
Vale Road Park	1,100,000	0	0	0	100,000	1,000,000	0	0

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>Open Projects</b>								
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
East Baker Avenue Ped Bridge	100,000	100,000	0	0	0	0	0	0
Enlarged Gymnasiums & Joint Facilities	1,200,000	1,200,000	0	0	0	0	0	0
Facility Renovations	1,205,000	1,205,000	0	0	0	0	0	0
Francis Silver Park Improvements	425,000	425,000	0	0	0	0	0	0
Heavenly Waters Park	2,120,000	2,120,000	0	0	0	0	0	0
Heavenly Waters Park - Soma	100,000	100,000	0	0	0	0	0	0
Indoor Recreation Facility - Forest Hill	1,474,000	1,474,000	0	0	0	0	0	0
Joppatowne Area Dredging	1,090,000	1,090,000	0	0	0	0	0	0
Nuttal 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
Schucks Road Regional Complex	8,110,415	8,110,415	0	0	0	0	0	0
Tydings Park Improvements	400,000	400,000	0	0	0	0	0	0
<b>Parks &amp; Rec Total by Project</b>	<b>149,619,327</b>	<b>76,059,327</b>	<b>14,630,000</b>	<b>7,295,000</b>	<b>7,615,000</b>	<b>17,180,000</b>	<b>12,060,000</b>	<b>14,780,000</b>
Paygo	3,766,322	3,766,322	0	0	0	0	0	0
Paygo - Hotel Tax Revenue	3,200,000	0	1,600,000	1,100,000	100,000	100,000	100,000	200,000
Paygo - Parks and Recreation Fund	25,000	0	25,000	0	0	0	0	0
Future Bonds	27,700,000	0	150,000	1,400,000	2,250,000	8,200,000	8,200,000	7,500,000
Prior Bonds	24,006,830	24,006,830	0	0	0	0	0	0
Reappropriated	5,744,935	4,994,935	750,000	0	0	0	0	0
Recordation Tax	32,069,933	16,699,933	2,330,000	2,655,000	2,265,000	3,270,000	1,855,000	2,995,000
State	6,276,000	4,081,000	1,070,000	40,000	515,000	500,000	70,000	0
Program Open Space	23,496,000	10,351,000	3,725,000	1,245,000	1,425,000	2,575,000	1,575,000	2,600,000
Federal	9,130,000	3,130,000	4,000,000	0	0	1,000,000	0	1,000,000
Developer	1,365,000	1,165,000	75,000	25,000	50,000	50,000	0	0
Other	12,839,307	7,864,307	905,000	830,000	1,010,000	1,485,000	260,000	485,000
<b>Parks &amp; Rec Total by Fund</b>	<b>149,619,327</b>	<b>76,059,327</b>	<b>14,630,000</b>	<b>7,295,000</b>	<b>7,615,000</b>	<b>17,180,000</b>	<b>12,060,000</b>	<b>14,780,000</b>
<b>TOTAL PARKS &amp; RECREATION CAPITAL</b>	<b>149,619,327</b>	<b>76,059,327</b>	<b>14,630,000</b>	<b>7,295,000</b>	<b>7,615,000</b>	<b>17,180,000</b>	<b>12,060,000</b>	<b>14,780,000</b>

FY 19 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>PARKS &amp; RECREATION FUND</b>													
<b>PARKS &amp; RECREATION</b>													
Anita C. Leight Center Improvements	250,000	0	0	0	0	0	0	150,000	0	0	0	0	100,000
Athletic Field Improvements	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Bleacher Renovations	60,000	0	0	0	0	0	0	30,000	0	0	0	0	30,000
Bush River Dredging and DMP Site	890,000	0	0	0	0	0	0	40,000	850,000	0	0	0	0
Canoe and Kayak Water Access	150,000	0	0	0	0	50,000	0	50,000	0	0	0	0	50,000
Cedar Lane Sports Complex Improvements*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Eden Mill Park Rehabilitation	200,000	0	0	0	0	200,000	0	0	0	0	0	0	0
Edgewood Recreation Park	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Emily Bayliss Graham Park	800,000	0	0	0	0	0	0	200,000	0	600,000	0	0	0
Emmorton Recreation & Tennis Center Improvements	500,000	0	0	0	0	50,000	0	350,000	0	0	0	50,000	50,000
Equestrian Center Improvements	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Facility Renovations	150,000	0	0	0	0	0	0	150,000	0	0	0	0	0
Flying Point Park Improvements	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Forest Hill Recreation Complex Improvements	600,000	0	0	0	0	0	0	0	0	0	0	0	600,000
Fox Meadows Park Improvements	350,000	0	0	0	0	0	0	350,000	0	0	0	0	0
Gunpowder River Dredging	470,000	0	0	0	0	150,000	0	100,000	220,000	0	0	0	0
Gymnasium Floor Repair and Renovation	75,000	0	0	0	0	0	0	50,000	0	0	0	0	25,000
Jarrettsville Complex Restrooms	(80,000)	0	0	0	0	0	0	(80,000)	0	0	0	0	0
Mariner Point Park Renovations	275,000	0	0	0	0	0	0	150,000	0	125,000	0	0	0
Natural Turf Improvements	50,000	0	0	0	0	0	0	0	0	0	0	0	50,000
Park Improvements	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Parking Lot Paving	155,000	0	0	0	0	100,000	0	55,000	0	0	0	0	0
Parkland Acquisition	3,100,000	0	0	0	0	0	0	100,000	0	3,000,000	0	0	0
Playground Equipment	250,000	0	0	0	0	100,000	0	125,000	0	0	0	25,000	0
Rock Glenn Park	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Swan Harbor Farm Improvements**	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Tennis/Multipurpose Court	200,000	0	0	0	0	100,000	0	100,000	0	0	0	0	0
Trails and Linear Parks	5,500,000	0	1,500,000	0	0	0	0	0	0	0	4,000,000	0	0
Tudor Hall Rehabilitation	60,000	0	0	0	0	0	0	60,000	0	0	0	0	0

\*Paygo - Hotel Tax Revenue  
 \*\*Swan Harbor Special Paygo

<b>TOTAL PARKS &amp; RECREATION CAPITAL</b>	<b>14,630,000</b>	<b>0</b>	<b>1,625,000</b>	<b>0</b>	<b>150,000</b>	<b>750,000</b>	<b>0</b>	<b>2,330,000</b>	<b>1,070,000</b>	<b>3,725,000</b>	<b>4,000,000</b>	<b>75,000</b>	<b>905,000</b>
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**PROJECT: Anita C. Leight Center Improvements**

**PARKS AND RECREATION**

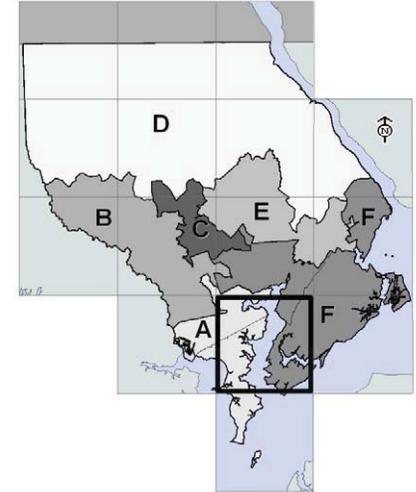
**COUNCIL DISTRICT: A**

**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 19 funding is proposed for replacement of the HVAC system at the Center. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program.



**PROJECT SCHEDULE:**

FY 19: Pontoon access gate  
 FY 19: HVAC Improvements

**PROJECT STATUS:**

Parking lot improvements are complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	170,000	20,000	190,000						190,000
Land Acquisition			0						0
Construction	565,000	230,000	795,000						795,000
Inspection Fees	20,000		20,000						20,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>755,000</b>	<b>250,000</b>	<b>1,005,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,005,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	465,000	150,000	615,000						615,000
R6999 Other	100,000	100,000	200,000						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>755,000</b>	<b>250,000</b>	<b>1,005,000</b>	<b>0</b>	<b>0</b>	<b>0</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 2/1/18:**

Expended	398,983
Encumbered	83,738
<b>Total</b>	<b>\$482,721</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 and replacement of synthetic turf. To date, synthetic turf has been installed at all of the Harford County Public High Schools except Patterson Mill, as well as, Cedar Lane Regional Park, Fallston Recreation Complex, Tucker Field, with County funds and contributions from Bel Air and Fallston Recreation Councils. FY 2019 funds will be utilized for engineering at Patterson Mill High School. With the joint use agreement between Parks and Recreation and HCPS for turf fields, this will greatly benefit the programs of the Emmorton Recreation Council, as well as school athletics. Future projects may include replacement of the existing fields as they reach the end of their useful life. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program recommendations.



**PROJECT SCHEDULE:**

FY 19: Patterson Mill High School - Engineering  
 FY 20: Patterson Mill High School - Construction

**PROJECT STATUS:**

Construction of the synthetic turf field at Fallston High School is complete.  
 Replacement of the synthetic turf on the field at North Harford is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	675,000	150,000	825,000						825,000
Land Acquisition			0						0
Construction	11,380,000		11,380,000	1,375,000	700,000	700,000	700,000	800,000	15,655,000
Inspection Fees	345,000		345,000	25,000					370,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>12,400,000</b>	<b>150,000</b>	<b>12,550,000</b>	<b>1,400,000</b>	<b>700,000</b>	<b>700,000</b>	<b>700,000</b>	<b>800,000</b>	<b>16,850,000</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		150,000	150,000	1,400,000	700,000	700,000	700,000	800,000	4,450,000
R7100 Prior Bonds	10,250,000		10,250,000						10,250,000
R8092 Reappropriated Recordation Tax	250,000		250,000						250,000
			0						0
<b>Total Funds</b>	<b>12,400,000</b>	<b>150,000</b>	<b>12,550,000</b>	<b>1,400,000</b>	<b>700,000</b>	<b>700,000</b>	<b>700,000</b>	<b>800,000</b>	<b>16,850,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$278,720  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 10,967,699  
 Encumbered  
 Total \$10,967,699

**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. 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 19 - FY 24: Purchase and installation of bleacher units



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	430,000	60,000	490,000	80,000	80,000	80,000	80,000	80,000	890,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>430,000</b>	<b>60,000</b>	<b>490,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>890,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	230,000	30,000	260,000	40,000	40,000	40,000	40,000	40,000	460,000
R6999 Other	200,000	30,000	230,000	40,000	40,000	40,000	40,000	40,000	430,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>430,000</b>	<b>60,000</b>	<b>490,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>80,000</b>	<b>890,000</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 2/1/18:**

Expended	155,697
Encumbered	0
<b>Total</b>	<b>\$155,697</b>

**PROJECT: Bush River Dredging and DMP Site**

**PARKS AND RECREATION**

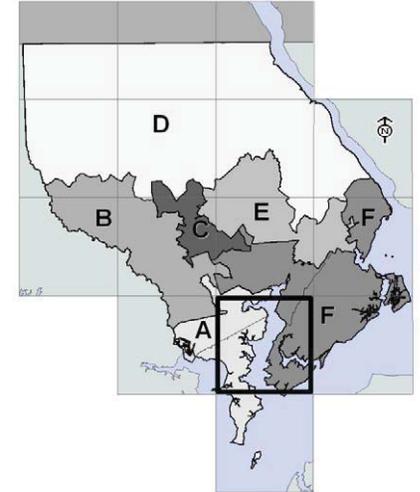
**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Abingdon**

**P184111**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 18 - Engineering  
 FY19-20 - Dredging as needed

**PROJECT STATUS:**

Assessment of the boating channel is currently underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction		850,000	850,000						850,000
Inspection Fees		40,000	40,000						40,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>100,000</b>	<b>890,000</b>	<b>990,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>990,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax		40,000	40,000						40,000
R3399 State Other	100,000	850,000	950,000						950,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>100,000</b>	<b>890,000</b>	<b>990,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>990,000</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 2/1/18:**

Expended	1,988
Encumbered	
<b>Total</b>	<b>\$1,988</b>

**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, Benjamin's Bridge is located where Deer Creek crosses Conowingo Road. FY 19 funding will be used for a feasibility study to identify launch sites for a water trail along 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 19 - Deer Creek water trail feasibility engineering  
 FY 21 - Construction

**PROJECT STATUS:**

Benjamin's Bridge kayak launch is complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	50,000	150,000	200,000						200,000
Land Acquisition			0						0
Construction	640,000		640,000		200,000			325,000	1,165,000
Inspection Fees	40,000		40,000						40,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>730,000</b>	<b>150,000</b>	<b>880,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>325,000</b>	<b>1,405,000</b>

**FUNDING SCHEDULE**

R6999 Other	150,000	50,000	200,000		100,000			100,000	400,000
R1515 Recordation Tax	330,000	50,000	380,000		100,000			225,000	705,000
R3399 State Other	200,000		200,000						200,000
R8092 Reappropriated Recordation Tax	50,000	50,000	100,000						100,000
			0						0
			0						0
<b>Total Funds</b>	<b>730,000</b>	<b>150,000</b>	<b>880,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>325,000</b>	<b>1,405,000</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 2/1/18:**

Expended	421,966
Encumbered	813
<b>Total</b>	<b><u>\$422,779</u></b>

**PROJECT: Cedar Lane Sports Complex Improvements**

**PARKS AND RECREATION**

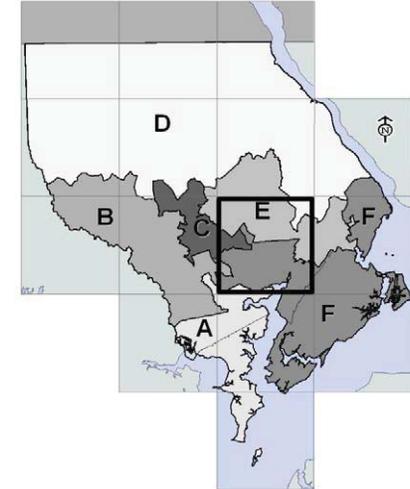
**COUNCIL DISTRICT: C**

**LOCATION: Creswell**

**P104111**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes improvements and amenities at the Cedar Lane Regional Sports Complex. 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 2018 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 19: Construction of a playground at the park

**PROJECT STATUS:**

Construction of the holding tank to allow field irrigation is complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	32,500		32,500						32,500
Land Acquisition			0						0
Construction	2,151,000	90,000	2,241,000	180,000	180,000	180,000	180,000	90,000	3,051,000
Inspection Fees	77,500	10,000	87,500	20,000	20,000	20,000	20,000	10,000	177,500
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,261,000</b>	<b>100,000</b>	<b>2,361,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>100,000</b>	<b>3,261,000</b>

**FUNDING SCHEDULE**

R6999 Other	1,100,000		1,100,000	100,000	100,000	100,000	100,000		1,500,000
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	250,000	100,000	350,000	100,000	100,000	100,000	100,000	100,000	850,000
			0						0
<b>Total Funds</b>	<b>2,261,000</b>	<b>100,000</b>	<b>2,361,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>100,000</b>	<b>3,261,000</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 2/1/18:**

Expended	989,107
Encumbered	131,648
<b>Total</b>	<b>\$1,120,755</b>

**PROJECT: Eden Mill Park Rehabilitation**

**PARKS AND RECREATION**

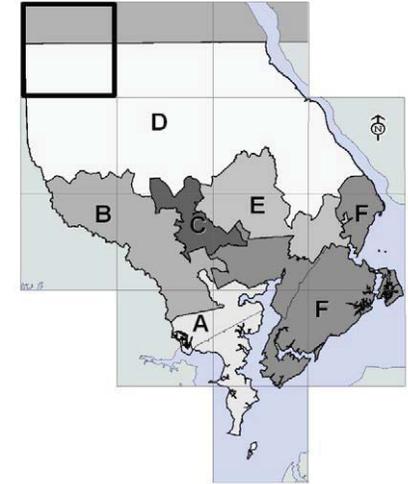
**COUNCIL DISTRICT: D**

**LOCATION: Pylesville**

**P104113**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project continues renovations and improvements to Eden Mill, including installation of a fire alarm system 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

- FY 19: Installation of a fire alarm system in the Mill.
- FY 19: Upgrade of the electrical panel at the Mill.
- FY 19: Assessment of the dam for a deflector for the gate.

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		50,000	50,000						50,000
Land Acquisition			0						0
Construction	905,000	150,000	1,055,000		50,000			100,000	1,205,000
Inspection Fees	50,000		50,000						50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>955,000</b>	<b>200,000</b>	<b>1,155,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>1,305,000</b>

**FUNDING SCHEDULE**

R6999 Other	250,000		250,000		50,000				300,000
R8092 Reappropriated Recordation Tax	400,000	200,000	600,000						600,000
R1515 Recordation Tax	305,000		305,000					100,000	405,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>955,000</b>	<b>200,000</b>	<b>1,155,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>1,305,000</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 2/1/18:**

Expended 658,195  
 Encumbered 39,698  
**Total \$697,893**

**PROJECT: Edgewood Recreation Park**

**PARKS AND RECREATION**

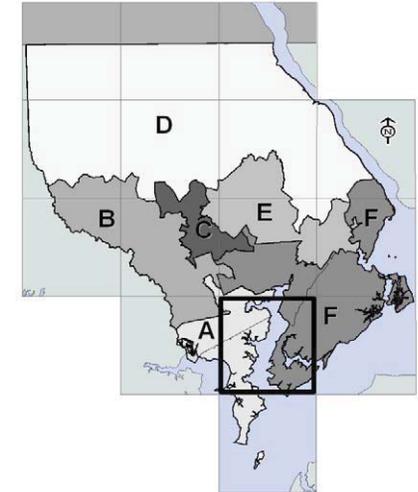
**COUNCIL DISTRICT: A**

**LOCATION: Edgewood**

**P194105**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes repairs and future improvements to the park. A second football field and a large parking lot have been constructed. Later improvements will focus on this western area of the park. 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 19: Repair of the pavilion roof at the park.

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0					30,000	30,000
Land Acquisition			0						0
Construction		50,000	50,000			100,000		445,000	595,000
Inspection Fees			0					25,000	25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>500,000</b>	<b>650,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax		50,000	50,000			100,000		150,000	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>50,000</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>100,000</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 2/1/18:**

Expended  
 Encumbered 0  
 Total \$0

**PROJECT: Emily Bayliss Graham Park**

**PARKS AND RECREATION**

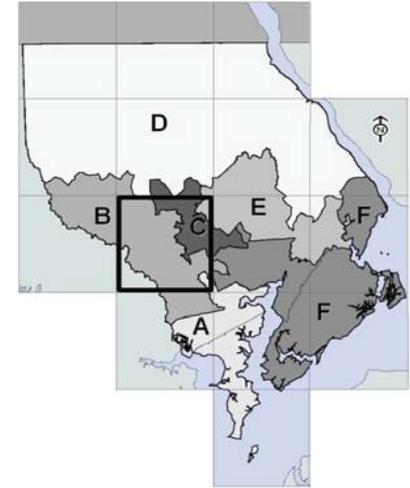
**COUNCIL DISTRICT: B**

**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. Preservation of this tract will provide critically needed public open space in the heart of the County's development envelope. Additional residential growth is anticipated in the area and will generate demand for parks. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 19: Construction - Phase I

**PROJECT STATUS:**

Engineering for the initial phase of the park design is underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	495,000		495,000						495,000
Land Acquisition			0						0
Construction	1,220,000	800,000	2,020,000		500,000	475,000		250,000	3,245,000
Inspection Fees	60,000		60,000		25,000	25,000			110,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,775,000</b>	<b>800,000</b>	<b>2,575,000</b>	<b>0</b>	<b>525,000</b>	<b>500,000</b>	<b>0</b>	<b>250,000</b>	<b>3,850,000</b>

**FUNDING SCHEDULE**

R6999 Other	1,175,000		1,175,000		525,000	250,000			1,950,000
R8027 Reappropriated Recordation Tax	250,000		250,000						250,000
R8750 Paygo	150,000		150,000						150,000
R1515 Recordation Tax	200,000	200,000	400,000			250,000		250,000	900,000
R3380 Program Open Space		600,000	600,000						600,000
			0						0
<b>Total Funds</b>	<b>1,775,000</b>	<b>800,000</b>	<b>2,575,000</b>	<b>0</b>	<b>525,000</b>	<b>500,000</b>	<b>0</b>	<b>250,000</b>	<b>3,850,000</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 2/1/18:**

Expended	142,015
Encumbered	109,291
<b>Total</b>	<b>\$251,306</b>

**PROJECT: Emmorton Recreation and Tennis Center Improvements**

**PARKS AND RECREATION**

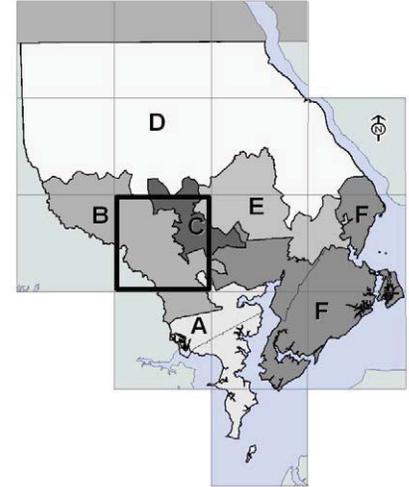
**COUNCIL DISTRICT: C**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

- FY 16 - Replacement of signage at the Activity Center.
- FY 18 - Expansion of the fitness area to accommodate fitness classes.
- FY 19 - Installation of air-conditioning in the gymnasium and batting cage area of the Activity Center.

**PROJECT STATUS:**

Installation of the new HVAC in the gymnasium and batting cage was delayed for additional funding.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	964,000	500,000	1,464,000						1,464,000
Inspection Fees	21,000		21,000						21,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>985,000</b>	<b>500,000</b>	<b>1,485,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,485,000</b>

**FUNDING SCHEDULE**

R6330 Developer	60,000	50,000	110,000						110,000
R6999 Other	210,000	50,000	260,000						260,000
R1515 Recordation Tax	440,000	350,000	790,000						790,000
R3380 Program Open Space	200,000		200,000						200,000
R8770 Reappropriated	75,000	50,000	125,000						125,000
			0						0
<b>Total Funds</b>	<b>985,000</b>	<b>500,000</b>	<b>1,485,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,485,000</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 2/1/18:**

Expended	466,333
Encumbered	
<b>Total</b>	<b>\$466,333</b>

**PROJECT: Equestrian Center Improvements**

**PARKS AND RECREATION**

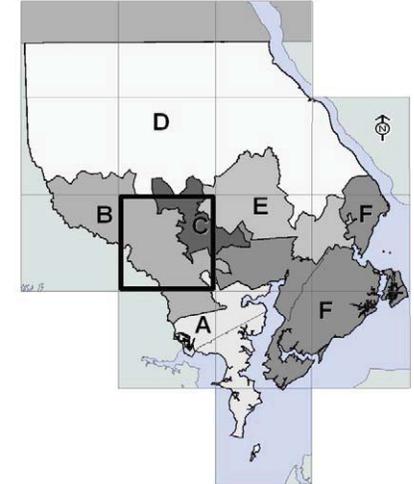
**COUNCIL DISTRICT: B**

**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. Prior funding was used to replace the roofs livestock barns and some electrical improvements. Future projects to maintain the existing infrastructure will be identified as needs arise. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 18: Installation of a misting system in one of the riding rings  
 FY 19: Additional electrical improvements

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	311,000	50,000	361,000	100,000	75,000			100,000	636,000
Inspection Fees	14,000		14,000		25,000				39,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>325,000</b>	<b>50,000</b>	<b>375,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>675,000</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					100,000	250,000
R1515 Recordation Tax		50,000	50,000		100,000				150,000
			0						0
			0						0
<b>Total Funds</b>	<b>325,000</b>	<b>50,000</b>	<b>375,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>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 2/1/18:**

Expended	208,407
Encumbered	0
<b>Total</b>	<b>\$208,407</b>



**PROJECT: Flying Point Park Improvements**

**PARKS AND RECREATION**

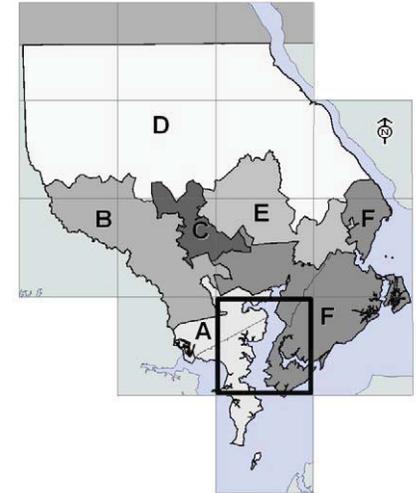
**COUNCIL DISTRICT: A**

**LOCATION: Edgewood**

**P164114**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the renovation of the fishing pier at Flying Point Park. Previous work was completed on the boat launch. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 19 - Renovations to fishing piers

**PROJECT STATUS:**

Replacement of the boat launch is complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	10,000		10,000						10,000
Land Acquisition			0						0
Construction	284,000	95,000	379,000						379,000
Inspection Fees	9,000	5,000	14,000						14,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>303,000</b>	<b>100,000</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**

R1515 Recordation Tax	105,000	100,000	205,000						205,000
R3399 State Other	198,000		198,000						198,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>303,000</b>	<b>100,000</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 2/1/18:**

Expended 179,319  
 Encumbered 528  
**Total \$179,847**

**PROJECT: Forest Hill Recreation Complex Improvements**

**PARKS AND RECREATION**

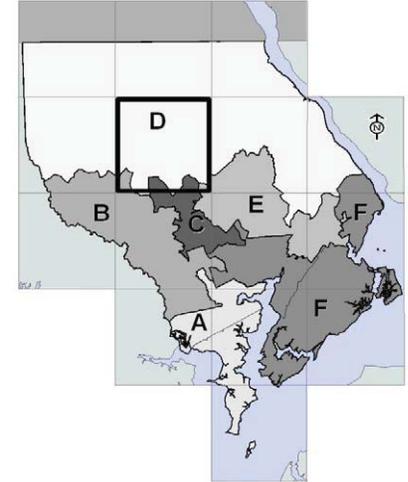
**COUNCIL DISTRICT: C**

**LOCATION: Forest Hill**

**P184115**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 18: Engineering

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction		570,000	570,000						570,000
Inspection Fees		30,000	30,000						30,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>200,000</b>	<b>600,000</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**

	Prior Appropriation	FY 2019 Budget	Appropriation Total	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL PROJECT COST
R6999 Other	200,000	600,000	800,000						800,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>600,000</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 2/1/18:**

Expended  
 Encumbered  
 Total                      \$0

**PROJECT: Fox Meadows Park Improvements**

**PARKS AND RECREATION**

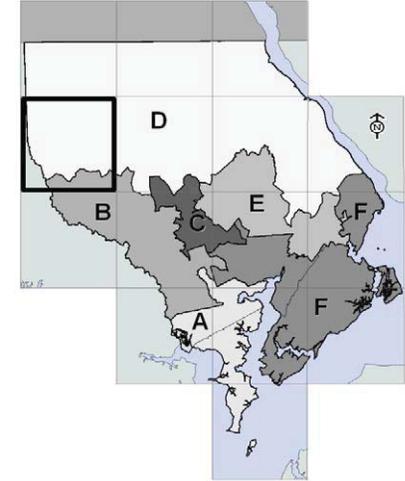
**COUNCIL DISTRICT: D**

**LOCATION: Jarrettsville**

**P184116**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 18: Engineering  
 FY 19: Construction

**PROJECT STATUS:**

Engineering for the project is underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction		330,000	330,000						330,000
Inspection Fees		20,000	20,000						20,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>100,000</b>	<b>350,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax		270,000	270,000						270,000
R8027 Reappropriated Recordation Tax	100,000	80,000	180,000						180,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>100,000</b>	<b>350,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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 2/1/18:**

Expended	
Encumbered	18,700
<b>Total</b>	<b>\$18,700</b>

**PROJECT: Gunpowder River Dredging**

**PARKS AND RECREATION**

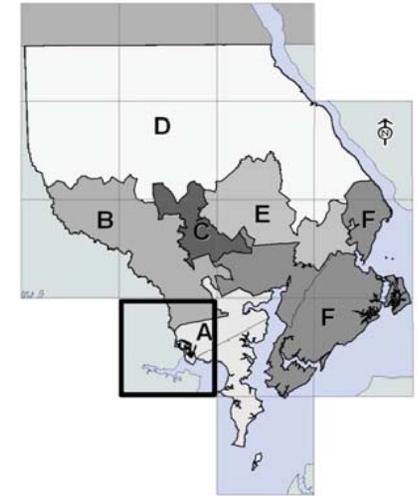
**COUNCIL DISTRICT: A**

**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. FY 19 funding will be used for upstream areas in Taylor's Creek. The Department has applied for funds through the Waterway Improvement Fund. Dredging will occur as funds are available. This project supports the goals and objectives of the 2018 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-West Taylor Creek and Rumsey Island dredging

**PROJECT STATUS:**

Dredging of Gunpowder River and the main channel of Taylor's Creek is complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	550,000	75,000	625,000						625,000
Land Acquisition			0						0
Construction	1,090,000	385,000	1,475,000						1,475,000
Inspection Fees	124,000	10,000	134,000						134,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,764,000</b>	<b>470,000</b>	<b>2,234,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,234,000</b>

**FUNDING SCHEDULE**

R3399 State Other	1,500,000	220,000	1,720,000						1,720,000
R1515 Recordation Tax	264,000	100,000	364,000						364,000
R8027 Reappropriated Recordation Tax		150,000	150,000						150,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,764,000</b>	<b>470,000</b>	<b>2,234,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,234,000</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 2/1/18:**

Expended 1,111,418  
 Encumbered 76,960  
**Total \$1,188,378**

**PROJECT: Gymnasium Floor Repair and Renovation**

**PARKS AND RECREATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**P184117**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide funding for repair and renovation of existing gymnasium floors at Parks and Recreations 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 19 - work to be completed based on priority order.

**PROJECT STATUS:**

Work at the Edgewood, Havre de Grace, and McFaul Centers is complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	60,000	75,000	135,000	75,000	75,000	75,000	75,000	75,000	510,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>60,000</b>	<b>75,000</b>	<b>135,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>510,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	40,000	50,000	90,000	50,000	50,000	50,000	50,000	50,000	340,000
R6999 Other	20,000	25,000	45,000	25,000	25,000	25,000	25,000	25,000	170,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>60,000</b>	<b>75,000</b>	<b>135,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>510,000</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 2/1/18:**

Expended	39,991
Encumbered	
<b>Total</b>	<b>\$39,991</b>

**PROJECT: Jarrettsville Complex Restrooms**

**PARKS AND RECREATION**

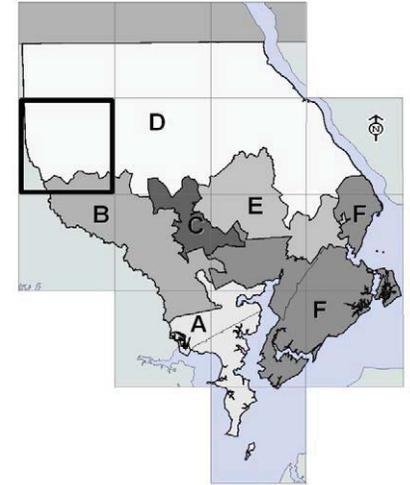
**COUNCIL DISTRICT: D**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

Remaining funding in this capital account to be transferred to the Fox Meadows project account.

**PROJECT STATUS:**

Renovation of the restrooms is complete.

The remaining funds will be transferred to the Fox Meadow capital project. This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	50,000		50,000						50,000
Land Acquisition			0						0
Construction	285,000	(80,000)	205,000						205,000
Inspection Fees	15,000		15,000						15,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>350,000</b>	<b>(80,000)</b>	<b>270,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>270,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	350,000		350,000						350,000
R8027 Reappropriated Recordation Tax		(80,000)	(80,000)						(80,000)
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>350,000</b>	<b>(80,000)</b>	<b>270,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>270,000</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 2/1/18:**

Expended	269,499
Encumbered	0
<b>Total</b>	<b>\$269,499</b>

**PROJECT: Mariner Point Park Renovations**

**PARKS AND RECREATION**

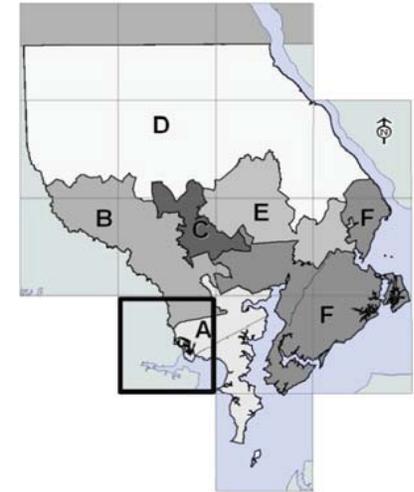
**COUNCIL DISTRICT: A**

**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, trail maintenance and other repairs needed to maintain this community park. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 19 - Engineering and construction of a canoe/kayak launch at the park

**PROJECT STATUS:**

The decking on the boat launch is complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	340,000	250,000	590,000				50,000		640,000
Inspection Fees	21,000	25,000	46,000						46,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>361,000</b>	<b>275,000</b>	<b>636,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>686,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	62,000	150,000	212,000				50,000		262,000
R3399 State Other	199,000		199,000						199,000
R6330 Developer	100,000		100,000						100,000
R3380 Program Open Space		125,000	125,000						125,000
			0						0
			0						0
<b>Total Funds</b>	<b>361,000</b>	<b>275,000</b>	<b>636,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>686,000</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 2/1/18:**

Expended	95,921
Encumbered	11,478
<b>Total</b>	<b>\$107,399</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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.

**PROJECT SCHEDULE:**

FY 19: Renovation of grass fields



**PROJECT STATUS:**

Fields at Edgeley Grove and Fox Meadows Park have been renovated

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,240,000	50,000	1,290,000	150,000	150,000	75,000	75,000	150,000	1,890,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,240,000</b>	<b>50,000</b>	<b>1,290,000</b>	<b>150,000</b>	<b>150,000</b>	<b>75,000</b>	<b>75,000</b>	<b>150,000</b>	<b>1,890,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	910,000		910,000	100,000	100,000	50,000	50,000	100,000	1,310,000
R6999 Other	330,000	50,000	380,000	50,000	50,000	25,000	25,000	50,000	580,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,240,000</b>	<b>50,000</b>	<b>1,290,000</b>	<b>150,000</b>	<b>150,000</b>	<b>75,000</b>	<b>75,000</b>	<b>150,000</b>	<b>1,890,000</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 2/1/18:**

Expended	460,413
Encumbered	84,936
<b>Total</b>	<b>\$545,349</b>

**PROJECT: Park Improvements**

**PARKS AND RECREATION**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**P184118**

**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 2019 - FY 2024 funds will provide small grants for Recreation Council projects as needs occur. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 19 - FY 24: Construction



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	80,000	50,000	130,000	50,000	50,000	50,000	50,000	50,000	380,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>80,000</b>	<b>50,000</b>	<b>130,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>380,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	50,000	50,000	100,000	50,000	50,000	50,000	50,000	50,000	350,000
R6330 Developer	30,000		30,000						30,000
R3399 State Other			0						0
R6999 Other			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>80,000</b>	<b>50,000</b>	<b>130,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>380,000</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 2/1/18:**

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

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 19: Construction

**PROJECT STATUS:**

Work was completed at the Tollgate Main Office and Woodshop

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	10,000		10,000						10,000
Land Acquisition			0						0
Construction	699,000	145,000	844,000	140,000	50,000		140,000	140,000	1,314,000
Inspection Fees	40,000	10,000	50,000	10,000	5,000		10,000	10,000	85,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>749,000</b>	<b>155,000</b>	<b>904,000</b>	<b>150,000</b>	<b>55,000</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>1,409,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	749,000	55,000	804,000	150,000	55,000		150,000	150,000	1,309,000
R8027 Reappropriated Recordation Tax		100,000	100,000						100,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>749,000</b>	<b>155,000</b>	<b>904,000</b>	<b>150,000</b>	<b>55,000</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>1,409,000</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 2/1/18:**

Expended	519,148
Encumbered	0
<b>Total</b>	<b>\$519,148</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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 19 - Property acquisition

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		25,000	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Land Acquisition	6,276,000	3,075,000	9,351,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	14,351,000
Construction			0						0
Inspection Fees	80,000		80,000						80,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>6,356,000</b>	<b>3,100,000</b>	<b>9,456,000</b>	<b>1,025,000</b>	<b>1,025,000</b>	<b>1,025,000</b>	<b>1,025,000</b>	<b>1,025,000</b>	<b>14,581,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	490,000	100,000	590,000	75,000	75,000	75,000	75,000	75,000	965,000
R3380 Program Open Space	5,641,000	3,000,000	8,641,000	950,000	950,000	950,000	950,000	950,000	13,391,000
R8092 Reappropriated Recordation Tax	225,000		225,000						225,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>6,356,000</b>	<b>3,100,000</b>	<b>9,456,000</b>	<b>1,025,000</b>	<b>1,025,000</b>	<b>1,025,000</b>	<b>1,025,000</b>	<b>1,025,000</b>	<b>14,581,000</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 2/1/18:**

Expended 2,169,549  
 Encumbered 0  
**Total \$2,169,549**

**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 may 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 19 - FY 24: Installation

**PROJECT STATUS:**

Replacement of equipment is under consideration for Fox Meadows Park and other County sites

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		10,000	10,000	5,000	7,500	7,500	7,500	7,500	45,000
Land Acquisition			0						0
Construction	2,030,000	235,000	2,265,000	140,000	212,500	212,500	212,500	212,500	3,255,000
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>2,030,000</b>	<b>250,000</b>	<b>2,275,000</b>	<b>150,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>3,325,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	1,091,000	125,000	1,216,000	125,000	150,000	150,000	200,000	200,000	2,041,000
R6330 Developer	465,000	25,000	490,000	25,000	50,000	50,000			615,000
R6999 Other	115,000		115,000		25,000	25,000	25,000	25,000	215,000
R3380 Program Open Space	359,000		359,000						359,000
R8027 Reappropriated Recordation Tax		100,000	100,000						100,000
			0						0
<b>Total Funds</b>	<b>2,030,000</b>	<b>250,000</b>	<b>2,280,000</b>	<b>150,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>225,000</b>	<b>3,330,000</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 2/1/18:**

Expended	811,940
Encumbered	12,172
<b>Total</b>	<b><u>824,112</u></b>

**PROJECT: Rock Glenn Park**

**PARKS AND RECREATION**

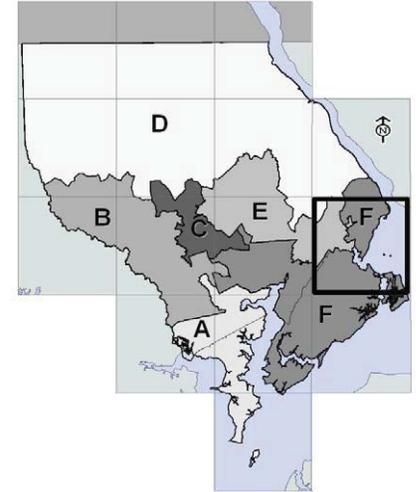
**COUNCIL DISTRICT: E**

**LOCATION: Aberdeen**

**P194106**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes construction of two multipurpose fields, parking, and multipurpose courts on the Rock Glenn property in the Aberdeen community. Funding will be a cooperative effort of the County, City, and State. Design will be initiated in FY19 with construction beginning in FY 20. Population growth has generated demand for additional facilities. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 19: Engineering  
 FY 20: Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		100,000	100,000				10,000		110,000
Land Acquisition			0						0
Construction				1,160,000				100,000	1,260,000
Inspection Fees				40,000					40,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>1,200,000</b>	<b>0</b>	<b>0</b>	<b>10,000</b>	<b>100,000</b>	<b>1,410,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax		100,000	100,000	800,000			10,000	100,000	1,010,000
R6999 Other			0	400,000					400,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>1,200,000</b>	<b>0</b>	<b>0</b>	<b>10,000</b>	<b>100,000</b>	<b>1,410,000</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 2/1/18:**

Expended  
 Encumbered  
 Total           \$0

**PROJECT: Swan Harbor Farm Improvements**

**PARKS AND RECREATION**

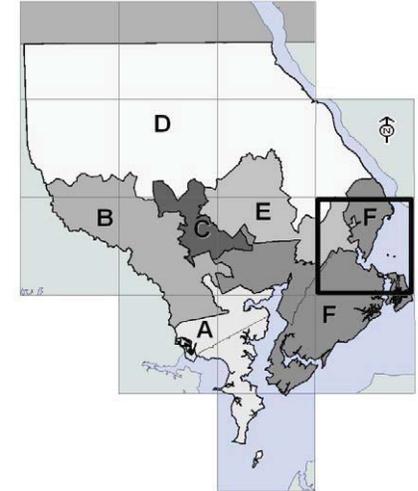
**COUNCIL DISTRICT: F**

**LOCATION: Havre de Grace**

**P154113**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes renovations and improvements at Swan Harbor Farm. FY 19 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 19 - Renovations and improvements to the farm house and event areas

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	514,000	25,000	539,000		1,000,000				1,539,000
Inspection Fees	20,000		20,000		50,000				70,000
Equipment/Furnishing	80,000		80,000						80,000
<b>Total Cost</b>	<b>614,000</b>	<b>25,000</b>	<b>639,000</b>	<b>0</b>	<b>1,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,689,000</b>

**FUNDING SCHEDULE**

R8750 Paygo - Parks & Rec Fund	505,000	25,000	530,000						530,000
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>614,000</b>	<b>25,000</b>	<b>639,000</b>	<b>0</b>	<b>1,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,689,000</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 2/1/18:**

Expended 427,821  
 Encumbered  
 Total \$427,821

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 19: Construction



**PROJECT STATUS:**

Repairs have occurred at several school and park sites throughout the County.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	740,000	200,000	940,000	100,000	100,000	100,000	100,000	150,000	1,490,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>740,000</b>	<b>200,000</b>	<b>940,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>150,000</b>	<b>1,490,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	640,255	100,000	740,255	100,000	100,000	100,000	100,000	150,000	1,290,255
R8092 Reappropriated Recordation Tax	99,745	100,000	199,745						199,745
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>740,000</b>	<b>200,000</b>	<b>940,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>150,000</b>	<b>1,490,000</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 2/1/18:**

Expended	596,161
Encumbered	143,786
<b>Total</b>	<b>\$739,947</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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 17: Engineering for Ma & Pa trail connection from Williams Street to Blake's Venture Park  
 FY 19: Construction of the Ma & 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 is underway.  
 Construction of the Ma & Pa connecting section of the trail will occur as funding becomes available

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	245,000		245,000			100,000		100,000	445,000
Land Acquisition	55,000		55,000						55,000
Construction	3,650,000	5,300,000	8,950,000	1,000,000		1,800,000		1,800,000	13,550,000
Inspection Fees	150,000	200,000	350,000			100,000		100,000	550,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,100,000</b>	<b>5,500,000</b>	<b>9,600,000</b>	<b>1,000,000</b>	<b>0</b>	<b>2,000,000</b>	<b>0</b>	<b>2,000,000</b>	<b>14,600,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	325,000		325,000					500,000	825,000
R8750 Paygo	75,000		75,000						75,000
R3140 Federal TAP	3,000,000	4,000,000	7,000,000			1,000,000		1,000,000	9,000,000
R6999 Other	250,000		250,000			1,000,000		200,000	1,450,000
R8750 Paygo - Hotel Tax Revenue	250,000	1,500,000	1,750,000	1,000,000					2,750,000
R7000 Future Bonds									
R3380 Program Open Space	200,000		200,000					300,000	500,000
<b>Total Funds</b>	<b>4,100,000</b>	<b>5,500,000</b>	<b>9,600,000</b>	<b>1,000,000</b>	<b>0</b>	<b>2,000,000</b>	<b>0</b>	<b>2,000,000</b>	<b>14,600,000</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 2/1/18:**

Expended 313,897  
 Encumbered 318,851  
 Total \$632,748

**PROJECT: Tudor Hall Rehabilitation**

**PARKS AND RECREATION**

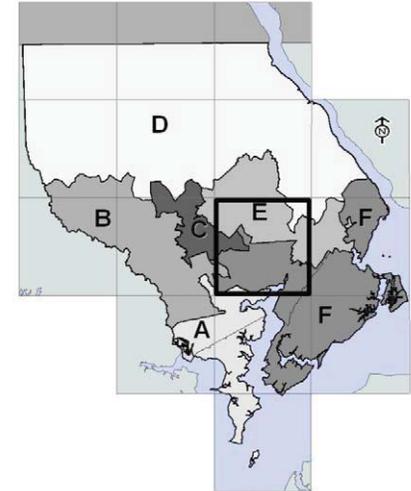
**COUNCIL DISTRICT: E**

**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 2018 Land Preservation, Parks and Recreation Plan, and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 19: Construction

**PROJECT STATUS:**

Additional funding is necessary to complete the repairs to the outside of the house

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	525,000	60,000	585,000					150,000	735,000
Inspection Fees	25,000		25,000						25,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>550,000</b>	<b>60,000</b>	<b>610,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>760,000</b>

**FUNDING SCHEDULE**

R8770 Reappropriated	400,000		400,000						400,000
R1515 Recordation Tax	50,000	60,000	110,000					150,000	260,000
R8027 Reappropriated Recordation Tax	100,000		100,000						100,000
R8750 Paygo			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>550,000</b>	<b>60,000</b>	<b>610,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</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 2/1/18:**

Expended	264,872
Encumbered	619
<b>Total</b>	<b>\$265,491</b>

# **OUTYEAR PROJECTS**

## **FY 20 - FY 24**

**PROJECT: Aberdeen Activity Center**

**PARKS AND RECREATION**

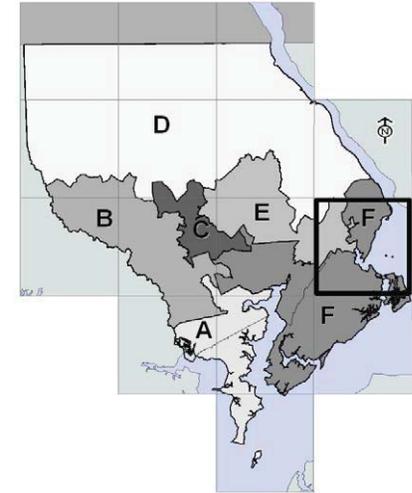
**COUNCIL DISTRICT: E**

**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. 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 FY2021 with construction beginning in FY 2022. 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 21: Engineering  
 FY 22 - FY 23: Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0		500,000				500,000
Land Acquisition			0						0
Construction						7,700,000			7,700,000
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>500,000</b>	<b>8,000,000</b>	<b>500,000</b>	<b>0</b>	<b>9,000,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0		500,000	7,500,000	500,000		8,500,000
R3399 State Other						500,000			500,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>8,000,000</b>	<b>500,000</b>	<b>0</b>	<b>9,000,000</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 2/1/18:

Expended  
 Encumbered  
 Total           \$0

**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. This project will provide funding for the necessary engineering and construction.

This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan.



**PROJECT SCHEDULE:**

FY20: Engineering & Construction

FY21: Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0	25,000				25,000	50,000
Land Acquisition			0						0
Construction	404,307		404,307	50,000	75,000		75,000	75,000	679,307
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>404,307</b>	<b>0</b>	<b>404,307</b>	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>75,000</b>	<b>100,000</b>	<b>729,307</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	300,000		300,000	75,000	50,000		50,000	75,000	550,000
R6999 Other	104,307		104,307		25,000		25,000	25,000	179,307
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>404,307</b>	<b>0</b>	<b>404,307</b>	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>75,000</b>	<b>100,000</b>	<b>729,307</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 2/1/18:**

Expended	140,373
Encumbered	0
<b>Total</b>	<b>\$140,373</b>

**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. 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 19: Renovation of backstops.

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	270,000		270,000	100,000	50,000	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>100,000</b>	<b>50,000</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	50,000	30,000	30,000	30,000	30,000	325,000
R6999 Other	115,000		115,000	50,000	20,000	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>100,000</b>	<b>50,000</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 2/1/18:**

Expended 16,607  
 Encumbered 0  
 Total \$16,607

**PROJECT: Benson Field Development**

**PARKS AND RECREATION**

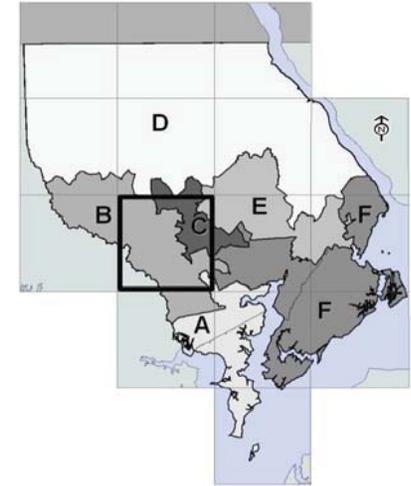
**COUNCIL DISTRICT: B**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program recommendations.



**PROJECT SCHEDULE:**

FY 21: Engineering and Design  
 FY 22: Construction

**PROJECT STATUS:**

This project is not yet funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0		100,000				100,000
Land Acquisition			0						0
Construction						950,000			950,000
Inspection Fees						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>1,000,000</b>	<b>0</b>	<b>0</b>	<b>1,100,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax					100,000	500,000			600,000
R3380 Program Open Space						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>100,000</b>	<b>1,000,000</b>	<b>0</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 2/1/18:**

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



**PROJECT: Bulkhead Renovations**

**PARKS AND RECREATION**

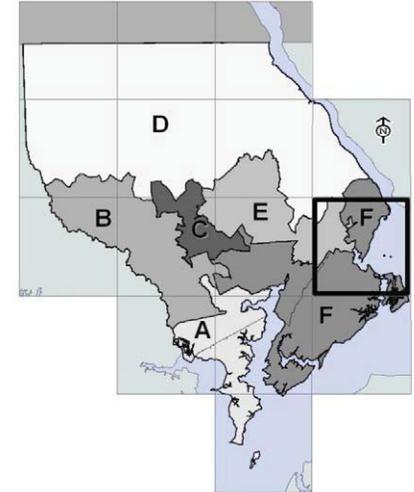
**COUNCIL DISTRICT: F**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 20: Design and Engineering

FY 21: Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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		70,000		625,000
R1515 Recordation Tax			0		20,000		5,000		25,000
			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 2/1/18:**

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

**PROJECT: Darlington Park Development**

**COUNCIL DISTRICT: D**

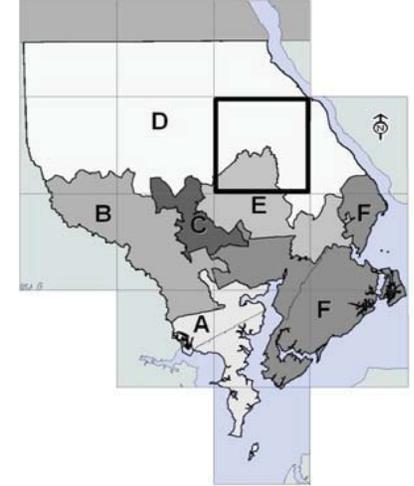
**LOCATION: Darlington**

**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. Future projects will include a gazebo/pavilion and restroom/storage building. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY20: Gazebo/pavilion construction

**PROJECT STATUS:**

Field construction is complete and the park is in use.

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	125,000		125,000	25,000					150,000
Land Acquisition			0						0
Construction	1,730,000		1,730,000	100,000					1,830,000
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>140,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,035,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax	1,050,000		1,050,000	70,000					1,120,000
R8770 Reappropriated	125,000		125,000						125,000
R3380 Program Open Space	400,000		400,000	70,000					470,000
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>140,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,035,000</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 2/1/18:**

Expended 1,472,092  
 Encumbered 10,732  
**Total \$1,482,824**

**PROJECT: Disc Golf Course**

**PARKS AND RECREATION**

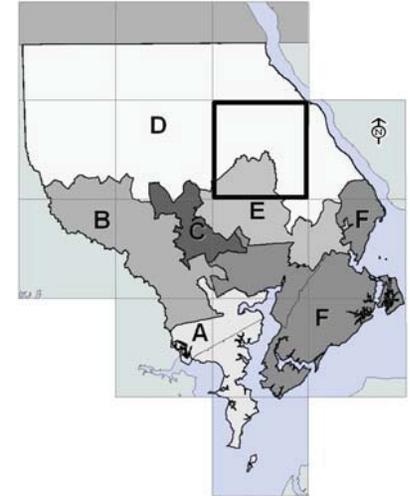
**COUNCIL DISTRICT: E**

**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 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>50,000</b>	<b>0</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
<b>Total Funds</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>50,000</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 2/1/18:**

Expended	46,791
Encumbered	386
<b>Total</b>	<b>\$47,177</b>

**PROJECT: Edgeley Grove Farm**

**PARKS AND RECREATION**

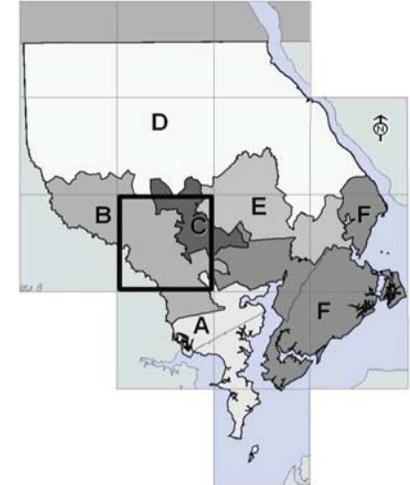
**COUNCIL DISTRICT: B**

**LOCATION: Benson**

**P184113**

**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 2018 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:**

Repairs and painting of the farmhouse are underway

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<b>Total Cost</b>	<b>40,000</b>	<b>0</b>	<b>40,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140,000</b>

**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
<b>Total Funds</b>	<b>40,000</b>	<b>0</b>	<b>40,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140,000</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 2/1/18:**

Expended  
 Encumbered  
 Total           \$0

**PROJECT: Edgewood Recreation and Community Center**

**PARKS AND RECREATION**

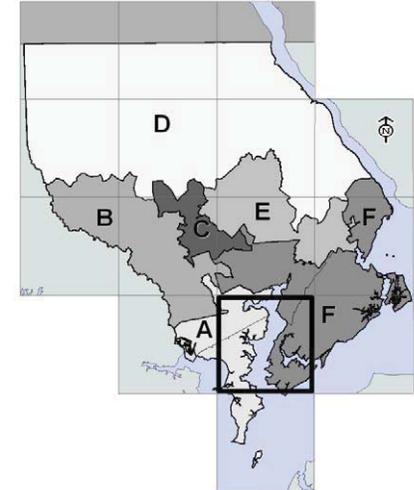
**COUNCIL DISTRICT: A**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>150,000</b>	<b>0</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
<b>Total Funds</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>150,000</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 2/1/18:**

Expended 46,044  
 Encumbered 0  
**Total \$46,044**

**PROJECT: Jarrettsville Recreation Center**

**PARKS AND RECREATION**

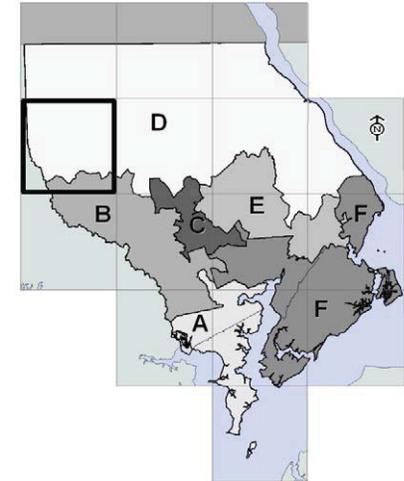
**COUNCIL DISTRICT: D**

**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. Future site amenities include a picnic pavilion and walking trails. This project supports the goals and objectives of the 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	510,775		510,775						510,775
Land Acquisition			0						0
Construction							6,250,000		6,250,000
Inspection Fees							250,000		250,000
Equipment/Furnishing			0					200,000	200,000
<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>6,500,000</b>	<b>200,000</b>	<b>7,210,775</b>

**FUNDING SCHEDULE**

R8750 Paygo	425,000		425,000						425,000
R7000 Future Bonds			0				6,500,000	200,000	6,700,000
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>6,500,000</b>	<b>200,000</b>	<b>7,210,775</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 2/1/18:**

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

**PROJECT: Joppa/Joppatowne Youth/Senior Center**

**PARKS AND RECREATION**

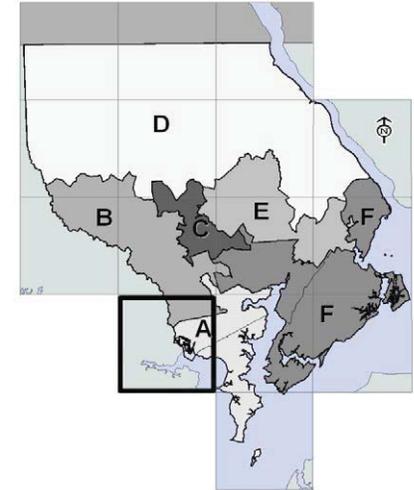
**COUNCIL DISTRICT: A**

**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 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0				500,000		500,000
Land Acquisition			0						0
Construction			0					6,500,000	6,500,000
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>0</b>	<b>0</b>	<b>500,000</b>	<b>6,500,000</b>	<b>7,000,000</b>

**FUNDING SCHEDULE**

R8750 Paygo			0						0
R7000 Future Bonds			0				500,000	6,500,000	7,000,000
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>500,000</b>	<b>6,500,000</b>	<b>7,000,000</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 2/1/18:**

Expended  
 Encumbered  
 Total \$0

**PROJECT: Magnolia Complex Development**

**PARKS AND RECREATION**

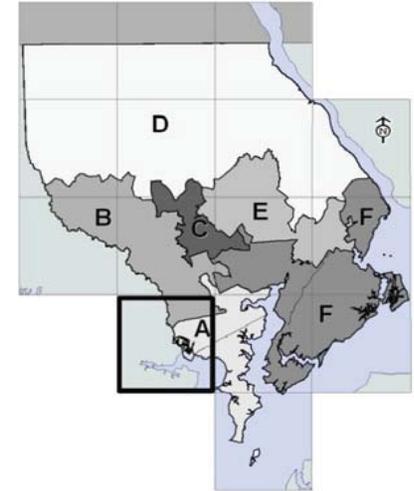
**COUNCIL DISTRICT: A**

**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. This project supports the goals and objectives of the 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>425,000</b>	<b>0</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>425,000</b>	<b>0</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 2/1/18:**

Expended	1,585,766
Encumbered	0
<b>Total</b>	<b>\$1,585,766</b>

**PROJECT: Norrisville Park**

**PARKS AND RECREATION**

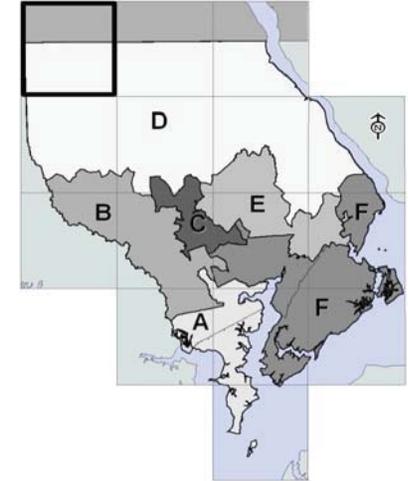
**COUNCIL DISTRICT: D**

**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 2020 with construction in FY 2021. Future improvements will include additional fields, parking, restrooms, a picnic pavilion, and playground. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 20: Engineering/Design

FY 21: Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>125,000</b>	<b>525,000</b>	<b>525,000</b>	<b>150,000</b>	<b>0</b>	<b>1,325,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0	125,000	300,000	300,000	150,000		875,000
R3380 Program Open Space			0		225,000	225,000			450,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</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>0</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 2/1/18:**

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

**PROJECT: Northern Regional Park**

**PARKS AND RECREATION**

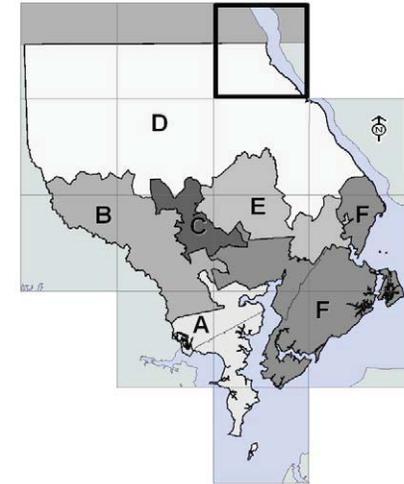
**COUNCIL DISTRICT: D**

**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. 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 22: Engineering  
 FY 24: Phase I Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0			250,000		1,500,000	1,750,000
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>250,000</b>	<b>0</b>	<b>1,500,000</b>	<b>2,325,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	75,000		75,000						75,000
R3380 Program Open Space	500,000		500,000					1,000,000	1,500,000
R7000 Future Bonds			0						0
R1515 Recordation Tax			0			250,000		500,000	750,000
			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>250,000</b>	<b>0</b>	<b>1,500,000</b>	<b>2,325,000</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 2/1/18:**

Expended	458,454
Encumbered	0
<b>Total</b>	<b>\$458,454</b>

**PROJECT: Perryman Park Development**

**PARKS AND RECREATION**

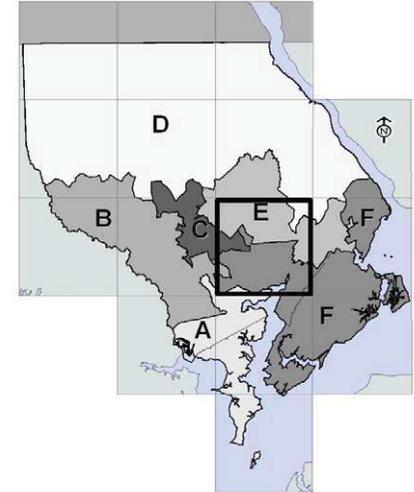
**COUNCIL DISTRICT: F**

**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. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program recommendations.



**PROJECT SCHEDULE:**

FY21: Engineering

FY22: Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0		125,000				125,000
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>125,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>1,125,000</b>

**FUNDING SCHEDULE**

R1515 Recordation Tax			0		125,000	600,000			725,000
R3380 Program Open Space			0			400,000			400,000
			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>125,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>1,125,000</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 2/1/18:

Expended  
Encumbered  
Total \$0

**PROJECT: Prospect Mill Park**

**PARKS AND RECREATION**

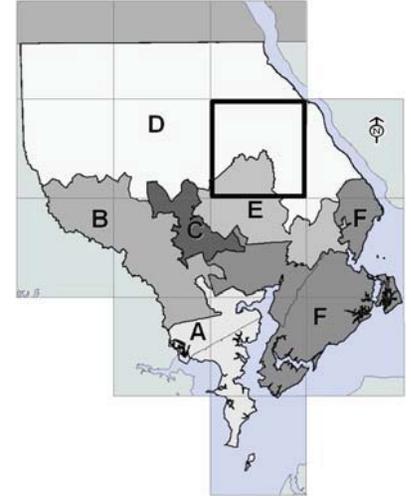
**COUNCIL DISTRICT: E**

**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 20. Additional residential development is anticipated in this community. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvements Program Recommendations.



**PROJECT SCHEDULE:**

FY 20: Installation of pavilion

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended  
 Encumbered 0  
 Total \$0

**PROJECT: Red Pump Road Elementary School Facilities**

**PARKS AND RECREATION**

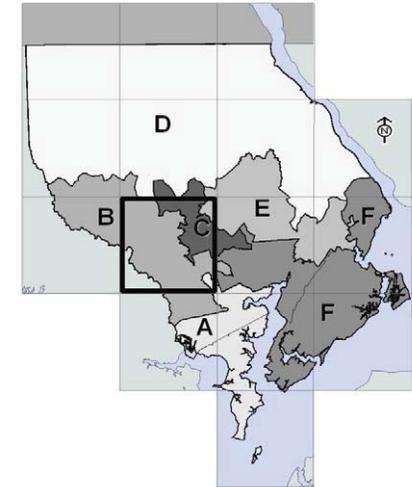
**COUNCIL DISTRICT: C**

**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 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>50,000</b>	<b>125,000</b>	<b>0</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
<b>Total Funds</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>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 2/1/18:**

Expended  
 Encumbered 0  
 Total \$0

**PROJECT: Robert Copenhaver Park Improvements**

**PARKS AND RECREATION**

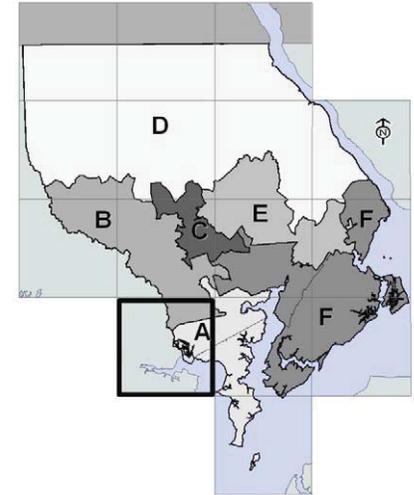
**COUNCIL DISTRICT: A**

**LOCATION: Joppatowne**

**P144126**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will provide improvements to Robert Copenhaver Park in support of the Joppatowne Seahawks recreation football program. Copenhaver 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 2018 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:**

Restroom renovations are underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>250,000</b>	<b>0</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>250,000</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 2/1/18:**

Expended	187,160
Encumbered	3,853
<b>Total</b>	<b>\$191,013</b>

**PROJECT: Rockfield Park Improvements**

**PARKS AND RECREATION**

**COUNCIL DISTRICT: C**

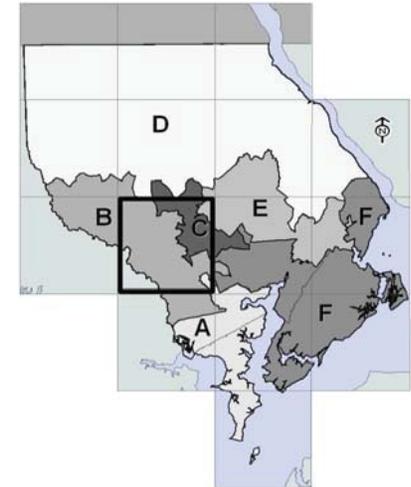
**LOCATION: Bel Air**

**P124125**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes improvements to Rockfield Park. FY 2012 funds were allocated for construction of the walking trail system within Rockfield Park. These trails are used for physical fitness activities including walking and jogging. Future projects will be identified as needed.

Funding for these projects will be in partnership with the Town of Bel Air. This project supports the goals and objectives of the 2018 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 2018

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>100,000</b>	<b>100,000</b>	<b>0</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>100,000</b>	<b>100,000</b>	<b>0</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 2/1/18:**

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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 20: Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>120,000</b>	<b>0</b>	<b>120,000</b>	<b>0</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>120,000</b>	<b>0</b>	<b>120,000</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 2/1/18:**

Expended	168,657
Encumbered	0
<b>Total</b>	<b>\$168,657</b>

**PROJECT: Tollgate Woodshop**

**PARKS AND RECREATION**

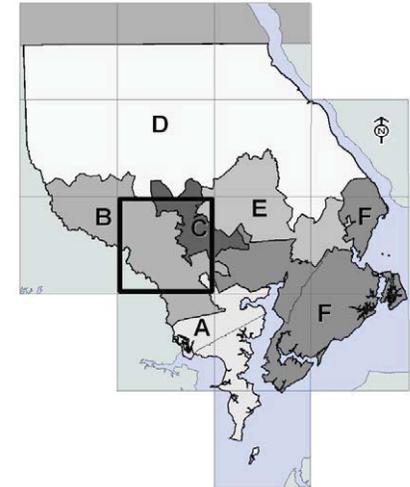
**COUNCIL DISTRICT: C**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

New equipment has been purchased and the building security system has been upgraded

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>50,000</b>	<b>0</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>50,000</b>	<b>0</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 2/1/18:**

Expended	2,869
Encumbered	
<b>Total</b>	<b>\$2,869</b>

**PROJECT: Vale Road Park**

**PARKS AND RECREATION**

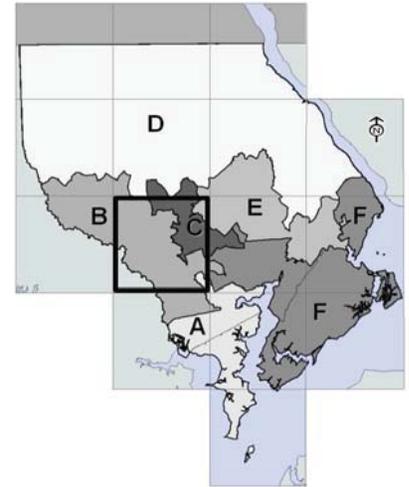
**COUNCIL DISTRICT: B**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 21 - Engineering and Design  
 FY 22 - Construction

**PROJECT STATUS:**

This project is not yet funded

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>100,000</b>	<b>1,000,000</b>	<b>0</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
<b>Total Funds</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>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 2/1/18:**

Expended  
 Encumbered  
 Total \$0

# OPEN/ACTIVE PROJECTS

**PROJECT: Churchville Center Renovations**

**PARKS AND RECREATION**

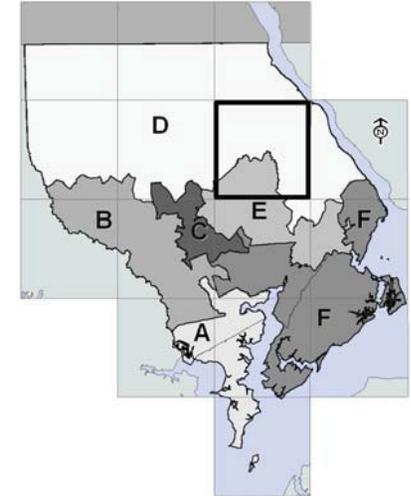
**COUNCIL DISTRICT: E**

**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 2018 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 are under construction.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	173,773
Encumbered	8,391
<b>Total</b>	<b>\$182,164</b>

**PROJECT: Churchville Complex Development**

**PARKS AND RECREATION**

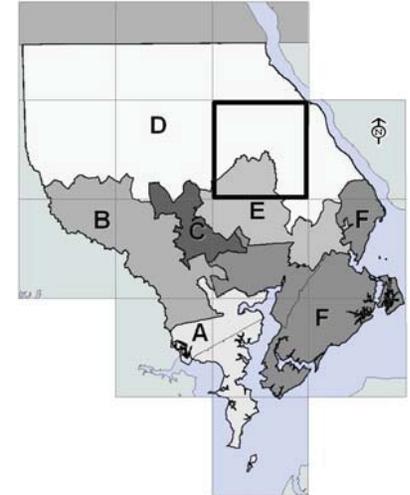
**COUNCIL DISTRICT: E**

**LOCATION: Churchville**

**P054115**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project proposes the further development of the Churchville Recreation Complex. The construction of two multipurpose fields is complete. The construction of the indoor recreation facility is complete. This facility houses a variety of programs for the Churchville Recreation Council. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

The project is currently in warranty.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 8,140,642  
 Encumbered  
 Total \$8,140,642

**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 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	100,000		100,000						100,000
Inspection Fees									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**

R3399 State Other	100,000		100,000						100,000
									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>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 2/1/18:**

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



**PROJECT: East Baker Avenue Pedestrian Bridge**

**PARKS AND RECREATION**

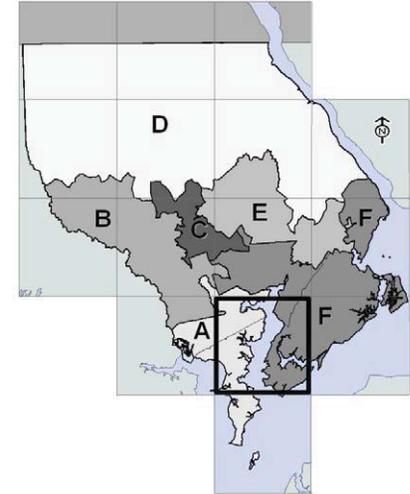
**COUNCIL DISTRICT: A**

**LOCATION: Abingdon**

**P184112**

**PROJECT DESCRIPTION / JUSTIFICATION:**

To replace current pedestrian bridge that was originally built as an Eagle Scout project in 1972.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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**

R8027 Reappropriated Recordation Tax	100,000		100,000						100,000
			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 2/1/18:**

Expended	12,743
Encumbered	113
<b>Total</b>	<b>\$12,856</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 2018 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:**

Havre de Grace Middle/High School is under construction.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,200,000		1,200,000						1,200,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,200,000</b>	<b>0</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	1,200,000		1,200,000						1,200,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,200,000</b>	<b>0</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 2/1/18:**

Expended	600,000
Encumbered	0
<b>Total</b>	<b>\$600,000</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 2018 Land Preservation, Parks and Recreation Plan, and its Capital Improvement Program Recommendations.

**PROJECT SCHEDULE:**

FY 18: Construction



**PROJECT STATUS:**

The balance of this project will be expended and closed during FY 18 and it will be removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	844,489
Encumbered	10,877
<b>Total</b>	<b>\$855,366</b>

**PROJECT: Francis Silver Park Improvements**

**PARKS AND RECREATION**

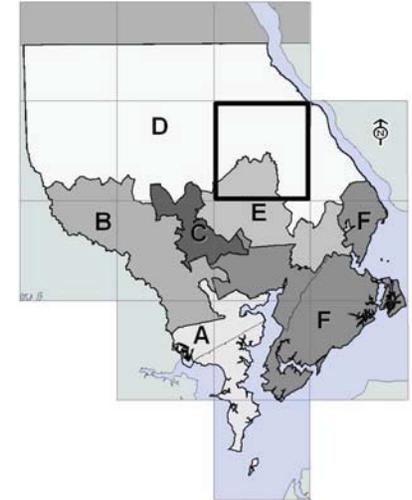
**COUNCIL DISTRICT: D**

**LOCATION: Darlington**

**P164115**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Future park improvements will be made as funding is available. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program recommendations.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

Engineering for paved trail access for soccer field is underway.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction	325,000		325,000						325,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>425,000</b>	<b>0</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	225,000		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>425,000</b>	<b>0</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 2/1/18:**

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

**PROJECT: Heavenly Waters Park**

**PARKS AND RECREATION**

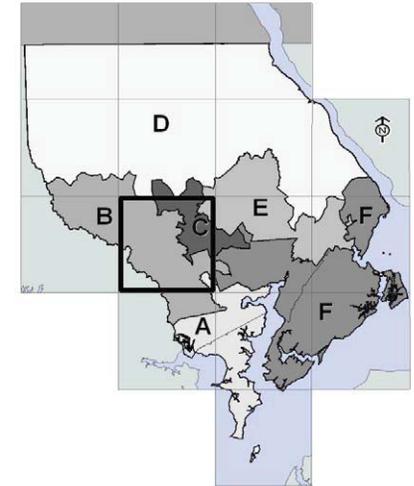
**COUNCIL DISTRICT: B**

**LOCATION: Bel Air**

**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 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	960,026
Encumbered	14,357
<b>Total</b>	<b>\$974,383</b>

**PROJECT: Heavenly Waters Park - Soma**

**PARKS AND RECREATION**

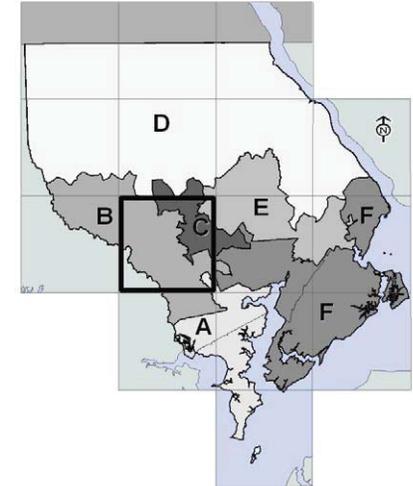
**COUNCIL DISTRICT: B**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

Initial stabilization of the barn has been completed.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	99,790
Encumbered	210
<b>Total</b>	<b>\$100,000</b>

**PROJECT: Indoor Recreation Facility-Forest Hill/Hickory**

**PARKS AND RECREATION**

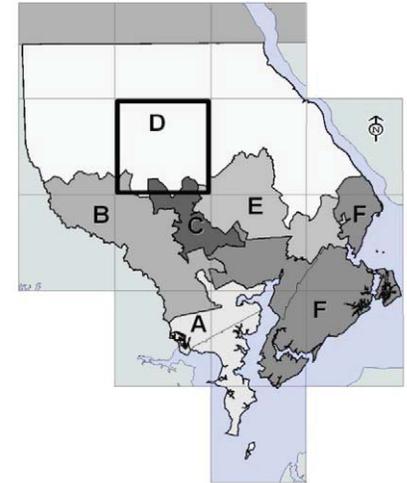
**COUNCIL DISTRICT: D**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

Replacement of indoor arena turf and parking improvements are complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	20,000		20,000						20,000
Land Acquisition			0						0
Construction	1,369,000		1,369,000						1,369,000
Inspection Fees	85,000		85,000						85,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,474,000</b>	<b>0</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	1,274,000		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>1,474,000</b>	<b>0</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 2/1/18:**

Expended 1,087,779  
 Encumbered 7,660  
 Total \$1,095,439

**PROJECT: Joppatowne Area Dredging**

**PARKS AND RECREATION**

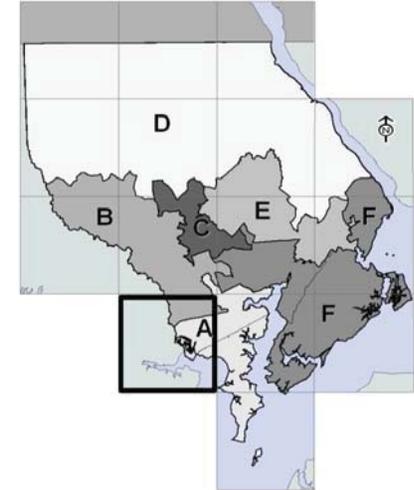
**COUNCIL DISTRICT: A**

**LOCATION: Joppatowne**

**P084123**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for maintenance dredging of the existing navigation channel in Foster Branch Creek. The project is a 50% State and 50% locally funded project. 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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY19: Maintenance dredging

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	175,000		175,000						175,000
Land Acquisition			0						0
Construction	880,000		880,000						880,000
Inspection Fees	35,000		35,000						35,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,090,000</b>	<b>0</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	195,000		195,000						195,000
R8750 Paygo	40,000		40,000						40,000
R3399 State Other	517,500		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>1,090,000</b>	<b>0</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 2/1/18:**

Expended 627,917  
 Encumbered 8,133  
 Total \$636,050

**PROJECT: Nuttal Avenue Park Development**

**PARKS AND RECREATION**

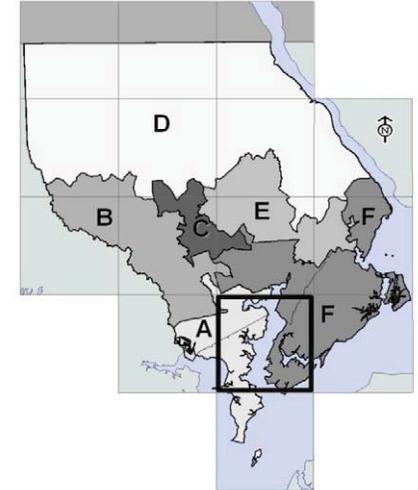
**COUNCIL DISTRICT: A**

**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 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 34,082  
 Encumbered  
 Total \$34,082

**PROJECT: Oakington Farms-Tydings Park**

**PARKS AND RECREATION**

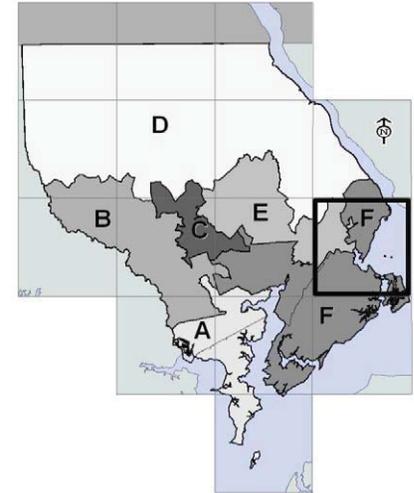
**COUNCIL DISTRICT: F**

**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 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

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 2018 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	780,000		780,000						780,000
Inspection Fees									0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>780,000</b>	<b>0</b>	<b>780,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>780,000</b>

**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
<b>Total Funds</b>	<b>780,000</b>	<b>0</b>	<b>780,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>780,000</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 2/1/18:**

Expended	451,658
Encumbered	3,849
<b>Total</b>	<b>\$455,507</b>

**PROJECT: Schucks Road Regional Complex**

**PARKS AND RECREATION**

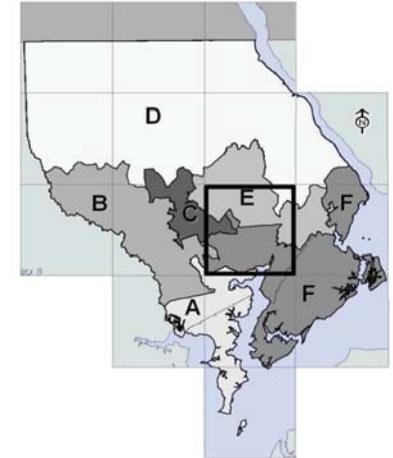
**COUNCIL DISTRICT: E**

**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 2018 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.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 5,752,097  
 Encumbered 4,187  
**Total \$5,756,284**

**PROJECT: Tydings Park Improvements**

**PARKS AND RECREATION**

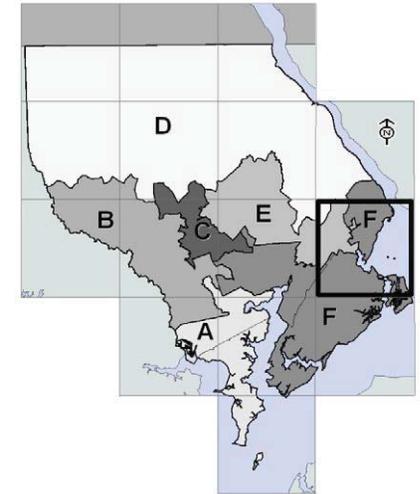
**COUNCIL DISTRICT: F**

**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 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations.



**PROJECT SCHEDULE:**

FY 17 - Engineering and Construction

**PROJECT STATUS:**

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	200,000
Encumbered	
<b>Total</b>	<b><u>\$200,000</u></b>

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
<b>HIGHWAYS FUND</b>									
<b>BRIDGES</b>									
<b>FY 19 Funded Projects:</b>									
Abingdon Road Bridge #169 over CSX	4,480,000	1,330,000	250,000	2,900,000	0	0	0	0	0
Bridge & Road Scour Repair	2,250,000	1,400,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program	3,450,000	200,000	850,000	200,000	900,000	200,000	900,000	200,000	200,000
Bridge Rehabilitation	4,041,381	950,000	841,381	450,000	450,000	450,000	450,000	450,000	450,000
Carea Road Bridge #126	20,310	89,207	(68,897)	0	0	0	0	0	0
Chestnut Hill Bridge #40	1,705,000	525,000	1,180,000	0	0	0	0	0	0
Culvert Rehabilitation	5,480,000	4,375,000	105,000	200,000	200,000	200,000	200,000	200,000	200,000
Edwards Lane Culvert	0	5,000	(5,000)	0	0	0	0	0	0
Glen Cove Road Bridge #156	650,000	150,000	200,000	300,000	0	0	0	0	0
Green Road Bridges #119 and #122	1,119,088	719,088	400,000	0	0	0	0	0	0
Johnson Mill Road Bridge #45	730,000	200,000	60,000	0	470,000	0	0	0	0
New Park Road Bridge #125	1,100,000	700,000	400,000	0	0	0	0	0	0
Phillips Mill Road Bridge #70	3,550,000	550,000	50,000	2,950,000	0	0	0	0	0
Pleasantville Road Bridge #60	225,000	0	225,000	0	0	0	0	0	0
Robinson Mill Road Bridge #154	1,815,000	1,685,000	130,000	0	0	0	0	0	0
Watervale Road Bridge #63	4,132,516	4,155,000	(22,484)	0	0	0	0	0	0
<b>Outyear Projects:</b>									
Boggs Road Bridge #66	1,240,000	0	0	0	200,000	20,000	0	1,020,000	0
Bridge Painting	1,300,000	300,000	0	200,000	200,000	200,000	200,000	200,000	200,000
Deep Run Road Bridge #152	1,240,000	0	0	0	200,000	20,000	0	1,020,000	0
Fawn Grove Road Bridge #132	1,160,000	10,000	0	250,000	50,000	0	850,000	0	0
Glenville Road Bridge #30	1,455,000	410,000	0	0	0	1,045,000	0	0	0
Moore's Road Bridge #78	225,000	0	0	0	0	200,000	25,000	0	0
Scarboro Road Bridge #140	210,000	0	0	0	0	200,000	10,000	0	0
Stafford Road Bridge #24	2,005,000	405,000	0	1,600,000	0	0	0	0	0
<b>Open Projects:</b>									
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0	0
Carrs Mill Road Bridge #216	2,575,000	2,575,000	0	0	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	1,095,000	0	0	0	0	0	0	0
Structural Evaluation	420,000	420,000	0	0	0	0	0	0	0
<b>Bridges Total by Project</b>	<b>54,163,295</b>	<b>28,738,295</b>	<b>4,695,000</b>	<b>9,200,000</b>	<b>2,820,000</b>	<b>2,685,000</b>	<b>2,785,000</b>	<b>3,240,000</b>	
Paygo	21,149,817	13,924,817	1,275,000	1,750,000	1,000,000	1,100,000	1,000,000	1,100,000	
Prior Paygo	0	0	0	0	0	0	0	0	
Future Bonds	7,949,000	0	1,378,000	1,450,000	920,000	1,276,000	885,000	2,040,000	
Prior Bonds	3,044,559	3,044,559	0	0	0	0	0	0	
Reappropriated	546,919	546,919	0	0	0	0	0	0	
State	0	0	0	0	0	0	0	0	
Federal	21,473,000	11,222,000	2,042,000	6,000,000	900,000	309,000	900,000	100,000	
Other	0	0	0	0	0	0	0	0	
Developer	0	0	0	0	0	0	0	0	
<b>Bridges Total by Fund</b>	<b>54,163,295</b>	<b>28,738,295</b>	<b>4,695,000</b>	<b>9,200,000</b>	<b>2,820,000</b>	<b>2,685,000</b>	<b>2,785,000</b>	<b>3,240,000</b>	

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>ROADWAYS</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Chapel Road Improvements	169,821	225,000	(55,179)	0	0	0	0	0
Guardrails	1,300,000	525,000	150,000	125,000	125,000	125,000	125,000	125,000
Intersection Improvements	5,181,728	2,881,728	400,000	380,000	380,000	380,000	380,000	380,000
MD 152/Oakmont Road/Port Lane	942,666	400,732	(8,066)	0	0	550,000	0	0
Schucks Road Culvert Replacement	23,824	80,000	(56,176)	0	0	0	0	0
Schucks Road Improvements	1,718,368	437,192	456,176	825,000	0	0	0	0
Spesutia Road Reconstruction/Upgrade	5,400,000	500,000	500,000	250,000	4,650,000	0	0	0
Stormdrain Rehabilitation	3,116,231	1,666,231	100,000	250,000	250,000	250,000	300,000	300,000
Traffic Calming, Bicycle & Road Safety	1,400,000	550,000	100,000	150,000	150,000	150,000	150,000	150,000
<b><u>Outyear Projects:</u></b>								
Bata Blvd Access Road	600,000	0	0	150,000	0	0	450,000	0
Drainage Improvements	2,450,000	1,575,000	0	175,000	175,000	175,000	175,000	175,000
New Roads and Stormdrains	3,625,000	2,625,000	0	200,000	200,000	200,000	200,000	200,000
Traffic Signals	359,601	109,601	0	50,000	50,000	50,000	50,000	50,000
Trimble Road (Joppa Rd to Garnett Rd)	650,000	0	0	100,000	50,000	0	500,000	0
<b><u>Open Projects:</u></b>								
Landis Circle - Foxborough Farms	350,000	350,000	0	0	0	0	0	0
Moores Mill Road	10,363,088	10,363,088	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>38,400,327</b>	<b>22,538,572</b>	<b>1,586,755</b>	<b>2,655,000</b>	<b>6,030,000</b>	<b>1,880,000</b>	<b>2,330,000</b>	<b>1,380,000</b>
Paygo	19,252,264	10,227,264	750,000	2,155,000	1,280,000	1,780,000	1,780,000	1,280,000
Prior Paygo	(63,245)		(63,245)	0	0	0	0	0
Future Bonds	6,400,000	0	900,000	400,000	4,650,000	0	450,000	0
Prior Bonds	6,731,707	6,731,707	0	0	0	0	0	0
Reappropriated	309,601	309,601	0	0	0	0	0	0
State	720,000	720,000	0	0	0	0	0	0
Federal	0	0	0	0	0	0	0	0
Developer	3,050,000	2,550,000	0	100,000	100,000	100,000	100,000	100,000
Other	2,000,000	2,000,000	0	0	0	0	0	0
<b>Roadways Total by Fund</b>	<b>38,400,327</b>	<b>22,538,572</b>	<b>1,586,755</b>	<b>2,655,000</b>	<b>6,030,000</b>	<b>1,880,000</b>	<b>2,330,000</b>	<b>1,380,000</b>
<b>RESURFACING</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Resurfacing Roadways	38,468,262	5,705,017	6,513,245	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						
<b>Resurfacing Total by Project</b>	<b>61,028,154</b>	<b>28,264,909</b>	<b>6,513,245</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	58,389,517	25,689,517	6,450,000	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	63,245	0	63,245	0	0	0	0	0
<b>Resurfacing Total by Fund</b>	<b>61,028,154</b>	<b>28,264,909</b>	<b>6,513,245</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		FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
<u>HIGHWAYS FUND</u>									
OTHER									
<u>FY 19 Funded Projects:</u>									
APG Gate PILOT	2,500,000	2,000,000	500,000	0	0	0	0	0	0
Efficiency Capital Investment Project	435,000	155,000	80,000	40,000	40,000	40,000	40,000	40,000	40,000
Fleet Maintenance Facility	5,816,000	155,000	561,000	5,100,000	0	0	0	0	0
Fleet Replacement	19,442,000	10,442,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Refresh Program	890,500	440,500	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Safeguarding Business Operations	3,462,450	2,937,450	400,000	125,000	0	0	0	0	0
Salt Dome	350,000	0	50,000	300,000	0	0	0	0	0
Sidewalks and Handicapped Ramps	2,129,300	1,149,300	230,000	150,000	150,000	150,000	150,000	150,000	150,000
<u>Outyear Projects:</u>									
Equipment Sheds	200,000	0	0	100,000	100,000	0	0	0	0
Facilities Repair Program	1,507,000	1,007,000	0	100,000	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	0
Glen Elyn Culvert & Ponds Repair	392,500	392,500	0	0	0	0	0	0	0
HMAN	930,000	930,000	0	0	0	0	0	0	0
Primrose Place	146,000	146,000	0	0	0	0	0	0	0
700 MHz Wireless Radio System Equip	1,600,000	1,600,000	0	0	0	0	0	0	0
Other Total by Project	40,750,750	22,304,750	3,396,000	7,490,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000
Paygo	32,411,718	20,390,752	2,370,966	2,090,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000
Future Bonds	6,011,000	0	611,000	5,400,000	0	0	0	0	0
Prior Bonds	0	155,000	0	0	0	0	0	0	0
Special Paygo	0	0	0	0	0	0	0	0	0
Reappropriated	138,865	138,865	0	0	0	0	0	0	0
Federal	169,300	169,300	0	0	0	0	0	0	0
State	190,000	70,000	120,000	0	0	0	0	0	0
Developer	64,650	64,650	0	0	0	0	0	0	0
Other	1,610,217	1,316,183	294,034	0	0	0	0	0	0
Other Total by Fund	40,750,750	22,304,750	3,396,000	7,490,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000
<b>TOTAL HIGHWAYS CAPITAL</b>	<b>194,342,526</b>	<b>101,846,526</b>	<b>16,191,000</b>	<b>24,495,000</b>	<b>16,015,000</b>	<b>11,680,000</b>	<b>12,280,000</b>	<b>11,835,000</b>	<b>11,835,000</b>

FY 19 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>													
<b>HIGHWAYS</b>													
<b>BRIDGES</b>													
Abingdon Road Bridge #169 over CSX	250,000	0	50,000	0	0	0	0	0	0	0	200,000	0	0
Bridge & Road Scour Repairs	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program	850,000	0	0	0	0	0	0	0	0	0	850,000	0	0
Bridge Rehabilitation	841,381	91,381	750,000	0	0	0	0	0	0	0	0	0	0
Carea Road Bridge #126	(68,897)	(68,897)	0	0	0	0	0	0	0	0	0	0	0
Chestnut Hill Bridge #40	1,180,000	0	0	0	268,000	0	0	0	0	0	912,000	0	0
Culvert Rehabilitation	105,000	5,000	100,000	0	0	0	0	0	0	0	0	0	0
Edwards Lane Culvert	(5,000)	(5,000)	0	0	0	0	0	0	0	0	0	0	0
Glen Cove Road Bridge #156	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Green Road Bridges #119 and #122	400,000	0	0	0	400,000	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	400,000	0	0	0	400,000	0	0	0	0	0	0	0	0
Phillips Mill Road Bridge #70	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Pleasantville Road Bridge #60	225,000	0	225,000	0	0	0	0	0	0	0	0	0	0
Robinson Mill Road Bridge	130,000	0	0	0	50,000	0	0	0	0	0	80,000	0	0
Watervale Road Bridge #63	(22,484)	(22,484)	0	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL BRIDGES</b>	<b>4,695,000</b>	<b>0</b>	<b>1,275,000</b>	<b>0</b>	<b>1,378,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,042,000</b>	<b>0</b>	<b>0</b>
<b>ROADWAYS</b>													
Chapel Road Improvements	(55,179)	(55,179)	0	0	0	0	0	0	0	0	0	0	0
Guardrails	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
MD 152/Oakmont Road/Port Lane	(8,066)	(8,066)	0	0	0	0	0	0	0	0	0	0	0
Schucks Road Culvert Replacement	(56,176)	(56,176)	0	0	0	0	0	0	0	0	0	0	0
Schucks Road Improvements	456,176	56,176	0	0	400,000	0	0	0	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	500,000	0	0	0	500,000	0	0	0	0	0	0	0	0
Stormdrain Rehabilitation	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle and Road Safety Improvements	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL ROADWAYS</b>	<b>1,586,755</b>	<b>(63,245)</b>	<b>750,000</b>	<b>0</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

FY 19 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>													
<b>HIGHWAYS</b>													
<b>RESURFACING</b>													
Resurfacing Roadways 18	6,513,245	63,245	6,450,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL RESURFACING</b>	<b>6,513,245</b>	<b>63,245</b>	<b>6,450,000</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>	<b>0</b>	<b>0</b>
<b>OTHER</b>													
APG Gate PILOT*	500,000	0	205,966	0	0	0	0	0	0	0	0	0	294,034
Efficiency Capital Investment Project	80,000	0	40,000	0	0	0	0	0	40,000	0	0	0	0
Fleet Maintenance Facility	561,000	0	0	0	561,000	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 Program	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
Salt Dome	50,000	0	0	0	50,000	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	230,000	0	150,000	0	0	0	0	0	80,000	0	0	0	0
<b>SUB-TOTAL OTHER</b>	<b>3,396,000</b>	<b>0</b>	<b>2,370,966</b>	<b>0</b>	<b>611,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>294,034</b>
<b>TOTAL HIGHWAYS FUND CAPITAL</b>	<b>16,191,000</b>	<b>0</b>	<b>10,845,966</b>	<b>0</b>	<b>2,889,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>2,042,000</b>	<b>0</b>	<b>294,034</b>

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
<b>HIGHWAYS FUND</b>									
<b>BRIDGES</b>									
<b>FY 19 Funded Projects:</b>									
Abingdon Road Bridge #169 over CSX	4,480,000	1,330,000	250,000	2,900,000	0	0	0	0	0
Bridge & Road Scour Repair	2,250,000	1,400,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program	3,450,000	200,000	850,000	200,000	900,000	200,000	900,000	200,000	200,000
Bridge Rehabilitation	4,041,381	950,000	841,381	450,000	450,000	450,000	450,000	450,000	450,000
Carea Road Bridge #126	20,310	89,207	(68,897)	0	0	0	0	0	0
Chestnut Hill Bridge #40	1,705,000	525,000	1,180,000	0	0	0	0	0	0
Culvert Rehabilitation	5,480,000	4,375,000	105,000	200,000	200,000	200,000	200,000	200,000	200,000
Edwards Lane Culvert	0	5,000	(5,000)	0	0	0	0	0	0
Glen Cove Road Bridge #156	650,000	150,000	200,000	300,000	0	0	0	0	0
Green Road Bridges #119 and #122	1,119,088	719,088	400,000	0	0	0	0	0	0
Johnson Mill Road Bridge #45	730,000	200,000	60,000	0	470,000	0	0	0	0
New Park Road Bridge #125	1,100,000	700,000	400,000	0	0	0	0	0	0
Phillips Mill Road Bridge #70	3,550,000	550,000	50,000	2,950,000	0	0	0	0	0
Pleasantville Road Bridge #60	225,000	0	225,000	0	0	0	0	0	0
Robinson Mill Road Bridge #154	1,815,000	1,685,000	130,000	0	0	0	0	0	0
Watervale Road Bridge #63	4,132,516	4,155,000	(22,484)	0	0	0	0	0	0
<b>Outyear Projects:</b>									
Boggs Road Bridge #66	1,240,000	0	0	0	200,000	20,000	0	1,020,000	0
Bridge Painting	1,300,000	300,000	0	200,000	200,000	200,000	200,000	200,000	200,000
Deep Run Road Bridge #152	1,240,000	0	0	0	200,000	20,000	0	1,020,000	0
Fawn Grove Road Bridge #132	1,160,000	10,000	0	250,000	50,000	0	850,000	0	0
Glenville Road Bridge #30	1,455,000	410,000	0	0	0	1,045,000	0	0	0
Moore's Road Bridge #78	225,000	0	0	0	0	200,000	25,000	0	0
Scarboro Road Bridge #140	210,000	0	0	0	0	200,000	10,000	0	0
Stafford Road Bridge #24	2,005,000	405,000	0	1,600,000	0	0	0	0	0
<b>Open Projects:</b>									
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0	0
Carrs Mill Road Bridge #216	2,575,000	2,575,000	0	0	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	1,095,000	0	0	0	0	0	0	0
Structural Evaluation	420,000	420,000	0	0	0	0	0	0	0
<b>Bridges Total by Project</b>	<b>54,163,295</b>	<b>28,738,295</b>	<b>4,695,000</b>	<b>9,200,000</b>	<b>2,820,000</b>	<b>2,685,000</b>	<b>2,785,000</b>	<b>3,240,000</b>	<b>3,240,000</b>
Paygo	21,149,817	13,924,817	1,275,000	1,750,000	1,000,000	1,100,000	1,000,000	1,100,000	1,100,000
Prior Paygo	0	0	0	0	0	0	0	0	0
Future Bonds	7,949,000	0	1,378,000	1,450,000	920,000	1,276,000	885,000	2,040,000	0
Prior Bonds	3,044,559	3,044,559	0	0	0	0	0	0	0
Reappropriated	546,919	546,919	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Federal	21,473,000	11,222,000	2,042,000	6,000,000	900,000	309,000	900,000	100,000	100,000
Other	0	0	0	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0	0
<b>Bridges Total by Fund</b>	<b>54,163,295</b>	<b>28,738,295</b>	<b>4,695,000</b>	<b>9,200,000</b>	<b>2,820,000</b>	<b>2,685,000</b>	<b>2,785,000</b>	<b>3,240,000</b>	<b>3,240,000</b>

FY 19 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>													
<b>HIGHWAYS</b>													
<b>BRIDGES</b>													
Abingdon Road Bridge #169 over CSX	250,000	0	50,000	0	0	0	0	0	0	0	200,000	0	0
Bridge & Road Scour Repairs	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program	850,000	0	0	0	0	0	0	0	0	0	850,000	0	0
Bridge Rehabilitation	841,381	91,381	750,000	0	0	0	0	0	0	0	0	0	0
Carea Road Bridge #126	(68,897)	(68,897)	0	0	0	0	0	0	0	0	0	0	0
Chestnut Hill Bridge #40	1,180,000	0	0	0	268,000	0	0	0	0	0	912,000	0	0
Culvert Rehabilitation	105,000	5,000	100,000	0	0	0	0	0	0	0	0	0	0
Edwards Lane Culvert	(5,000)	(5,000)	0	0	0	0	0	0	0	0	0	0	0
Glen Cove Road Bridge #156	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Green Road Bridges #119 and #122	400,000	0	0	0	400,000	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	400,000	0	0	0	400,000	0	0	0	0	0	0	0	0
Phillips Mill Road Bridge #70	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Pleasantville Road Bridge #60	225,000	0	225,000	0	0	0	0	0	0	0	0	0	0
Robinson Mill Road Bridge	130,000	0	0	0	50,000	0	0	0	0	0	80,000	0	0
Watervale Road Bridge #63	(22,484)	(22,484)	0	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL BRIDGES</b>	<b>4,695,000</b>	<b>0</b>	<b>1,275,000</b>	<b>0</b>	<b>1,378,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,042,000</b>	<b>0</b>	<b>0</b>

**PROJECT: Abingdon Road Bridge #169 over CSX**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: F**

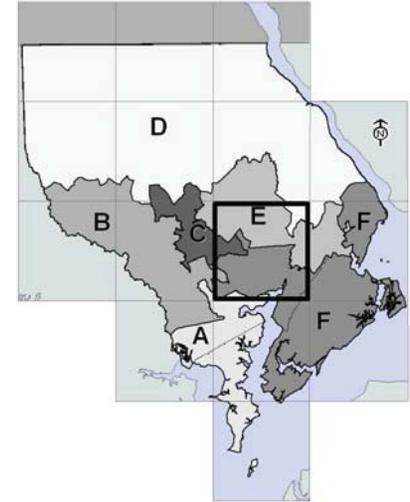
**LOCATION: Abingdon**

**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:**

- FY18 - Design Revisions to Address CSX Requirements
- FY19 - Utilities & R/W
- FY20 - Construction

**PROJECT STATUS:**

Design approximately 70% complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	820,000		820,000						820,000
Land Acquisition	310,000	50,000	360,000						360,000
Construction	200,000	200,000	400,000	2,750,000					3,150,000
Inspection Fees			0	150,000					150,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,330,000</b>	<b>250,000</b>	<b>1,580,000</b>	<b>2,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,480,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	190,762	50,000	240,762						240,762
R3140 Federal TEA-21	870,000	200,000	1,070,000	2,320,000					3,390,000
R8770 Reappropriated	69,238		69,238						69,238
R7000 Future Bonds			0	580,000					580,000
R7100 Prior Bonds	200,000		200,000						200,000
			0						0
<b>Total Funds</b>	<b>1,330,000</b>	<b>250,000</b>	<b>1,580,000</b>	<b>2,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,480,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$5,360  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 540,646  
 Encumbered 36,218  
**Total \$576,864**

**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:**

FY18 - Lapidum Road Stone Wall Repairs

FY19 - Ongoing program

**PROJECT STATUS:**

Various projects are continuously being designed & constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	115,000	10,000	125,000	20,000	20,000	20,000	20,000	20,000	225,000
Land Acquisition	5,000		5,000						5,000
Construction	1,165,000	80,000	1,245,000	120,000	120,000	120,000	120,000	120,000	1,845,000
Inspection Fees	115,000	10,000	125,000	10,000	10,000	10,000	10,000	10,000	175,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,400,000</b>	<b>100,000</b>	<b>1,500,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>2,250,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,400,000	100,000	1,500,000	150,000	150,000	150,000	150,000	150,000	2,250,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,400,000</b>	<b>100,000</b>	<b>1,500,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>2,250,000</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 2/1/18:**

Expended	1,036,509
Encumbered	910
<b>Total</b>	<b>\$1,037,419</b>

**PROJECT: Bridge Inspection Program**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**H184501**

**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:**

FY19 - Bridges over 20'

FY20 - Bridges under 20' & Bridges Over 20' Requiring Annual Inspections

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	200,000	850,000	1,050,000	200,000	900,000	200,000	900,000	200,000	3,450,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equip. / Furn.			0						0
<b>Total Cost</b>	<b>200,000</b>	<b>850,000</b>	<b>1,050,000</b>	<b>200,000</b>	<b>900,000</b>	<b>200,000</b>	<b>900,000</b>	<b>200,000</b>	<b>3,450,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	100,000		100,000	100,000		100,000		100,000	400,000
R3140 Federal Aid	100,000	850,000	950,000	100,000	900,000	100,000	900,000	100,000	3,050,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>850,000</b>	<b>1,050,000</b>	<b>200,000</b>	<b>900,000</b>	<b>200,000</b>	<b>900,000</b>	<b>200,000</b>	<b>3,450,000</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 2/1/18:**

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

**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 & constructed under this account.

Current minor bridge rehabs under design: Linkous Road #133, Troyer Road #103, Eden Mill Road #111, West Chapel #17 & Grier Nursery #43

Reappropriated funding for FY 19 has been transferred from the Watervale Road Bridge Project (H044506) in the amount of \$22,484; and from the Carea Road Bridge Project (H174501) in the amount of \$68,897.



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	110,000	175,000	285,000	100,000	100,000	100,000	100,000	100,000	785,000
Land Acquisition			0						0
Construction	775,000	591,381	1,366,381	300,000	300,000	300,000	300,000	300,000	2,866,381
Inspection Fees	65,000	75,000	140,000	50,000	50,000	50,000	50,000	50,000	390,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>950,000</b>	<b>841,381</b>	<b>1,791,381</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>4,041,381</b>

**FUNDING SCHEDULE**

R8750 Paygo	950,000	750,000	1,700,000	450,000	450,000	450,000	450,000	450,000	3,950,000
R8750 Prior Paygo		91,381	91,381						91,381
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>950,000</b>	<b>841,381</b>	<b>1,791,381</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>4,041,381</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 2/1/18:**

Expended 431,217  
 Encumbered 272,344  
**Total \$703,561**

**PROJECT: Carea Road Bridge #126**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: D**

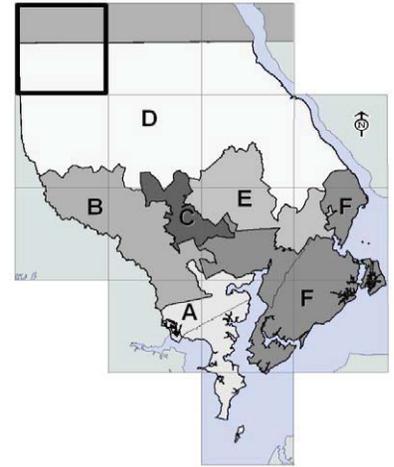
**LOCATION: Norrisville**

**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:**

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018.

**The balance of \$68,897 will be transferred to the Bridge Rehabilitation (H134502) capital project.**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	89,207	(68,897)	20,310						20,310
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>89,207</b>	<b>(68,897)</b>	<b>20,310</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,310</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	89,207		89,207						89,207
R8750 Prior Paygo		(68,897)	(68,897)						(68,897)
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>89,207</b>	<b>(68,897)</b>	<b>20,310</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,310</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 2/1/18:**

Expended	270
Encumbered	20,040
<b>Total</b>	<b>\$20,310</b>

**PROJECT: Chestnut Hill Bridge #40**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: D**

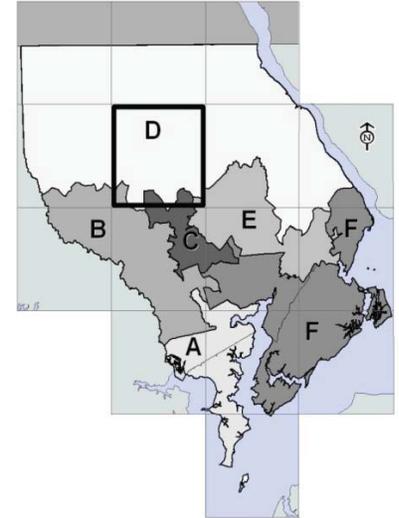
**LOCATION: Hickory**

**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:**

FY18 - R/W  
 FY19 - Utility Relocations & Construction

**PROJECT STATUS:**

Design approximately 50% complete.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	340,000		340,000						340,000
Land Acquisition	60,000		60,000						60,000
Construction	125,000	1,080,000	1,205,000						1,205,000
Inspection Fees		100,000	100,000						100,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>525,000</b>	<b>1,180,000</b>	<b>1,705,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,705,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	124,000		124,000						124,000
R3140 Federal Aid	321,000	912,000	1,233,000						1,233,000
R7100 Prior Bonds	80,000		80,000						80,000
R7000 Future Bonds		268,000	268,000						268,000
			0						0
			0						0
<b>Total Funds</b>	<b>525,000</b>	<b>1,180,000</b>	<b>1,705,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,705,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$9,326  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 363,476  
 Encumbered 10,497  
**Total \$373,973**

**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.

**Prior Paygo funding in FY 19 has been transferred from the Edwards Lane Culvert project (H154501).**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	535,000	15,000	550,000	35,000	35,000	35,000	35,000	35,000	725,000
Land Acquisition	30,000		30,000	5,000	5,000	5,000	5,000	5,000	55,000
Construction	3,455,000	80,000	3,535,000	125,000	125,000	125,000	125,000	125,000	4,160,000
Inspection Fees	355,000	10,000	365,000	35,000	35,000	35,000	35,000	35,000	540,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,375,000</b>	<b>105,000</b>	<b>4,480,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>5,480,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	4,375,000	100,000	4,475,000	200,000	200,000	200,000	200,000	200,000	5,475,000
R8750 Prior Paygo		5,000	5,000						5,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,375,000</b>	<b>105,000</b>	<b>4,480,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>5,480,000</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 2/1/18/:**

Expended 4,258,562  
 Encumbered 20,789  
**Total \$4,279,351**

**PROJECT: Edwards Lane Culvert**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: E**

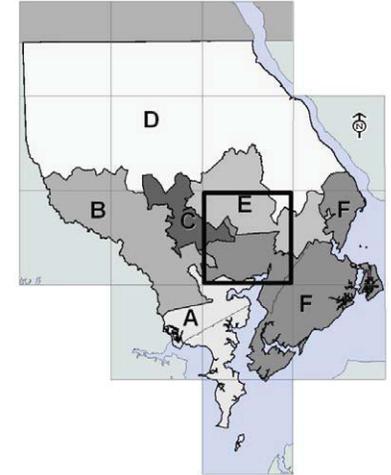
**LOCATION: Churchville**

**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.

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018. The balance of \$5,000 in this project will be transferred to the Culvert Rehabilitation project (H054506).

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition	5,000	(5,000)	0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,000</b>	<b>(5,000)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**FUNDING SCHEDULE**

R8750 Paygo	5,000		5,000						5,000
R8750 Prior Paygo	0	(5,000)	(5,000)						(5,000)
			0						
			0						
			0						
<b>Total Funds</b>	<b>5,000</b>	<b>(5,000)</b>	<b>0</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 2/1/18:**

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

**PROJECT: Glen Cove Road Bridge #156**

**HIGHWAYS - BRIDGES**

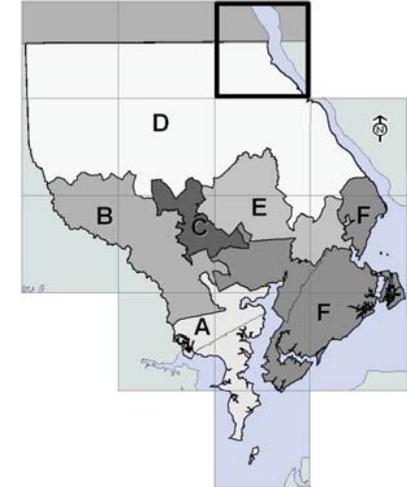
**COUNCIL DISTRICT: D**

**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 than 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:**

FY19 - Utility Relocation & Construction

**PROJECT STATUS:**

Design is complete, r/w is acquired

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	150,000		150,000						150,000
Land Acquisition		6,000	6,000						6,000
Construction		182,000	182,000	300,000					482,000
Inspection Fees		12,000	12,000						12,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>150,000</b>	<b>200,000</b>	<b>350,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>650,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	150,000		150,000						150,000
R7000 Future Bonds		200,000	200,000	300,000					500,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>150,000</b>	<b>200,000</b>	<b>350,000</b>	<b>300,000</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: \$5,360  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 149,999  
 Encumbered 0  
**Total \$149,999**

**PROJECT: Green Road Bridges #119 and #122**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: D**

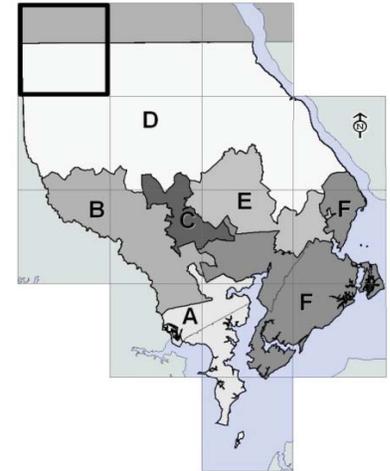
**LOCATION: Norrisville**

**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:**

FY17/19 - Construction

**PROJECT STATUS:**

Design Complete - R/W Acquired

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	175,000		175,000						175,000
Land Acquisition			0						0
Construction	490,000	400,000	890,000						890,000
Inspection Fees	54,088		54,088						54,088
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>719,088</b>	<b>400,000</b>	<b>1,119,088</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,119,088</b>

**FUNDING SCHEDULE**

R8750 Paygo	190,000		190,000						190,000
R7000 Future Bonds		400,000	400,000						400,000
R7100 Prior Bonds	479,559		479,559						479,559
R8089 Reappropriated Paygo	49,529		49,529						49,529
			0						0
			0						0
<b>Total Funds</b>	<b>719,088</b>	<b>400,000</b>	<b>1,119,088</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,119,088</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$23,572

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 119,091

Encumbered 63,265

Total \$182,356

**PROJECT: Johnson Mill Road Bridge #45**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: D**

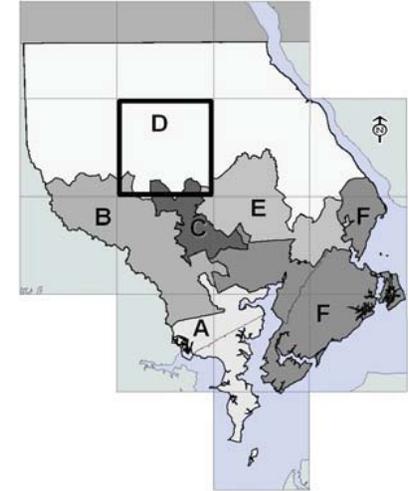
**LOCATION: Hickory**

**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:**

FY18 & 19 Design, R/W & Permits  
 FY21 - Construction

**PROJECT STATUS:**

Design initiated

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	200,000	50,000	250,000						250,000
Land Acquisition		10,000	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>200,000</b>	<b>60,000</b>	<b>260,000</b>	<b>0</b>	<b>470,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>730,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		60,000	60,000		470,000				530,000
R7100 Prior Bonds	200,000		200,000						200,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>60,000</b>	<b>260,000</b>	<b>0</b>	<b>470,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>730,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$6,968  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 91,107  
 Encumbered 106,338  
**Total \$197,445**

**PROJECT: New Park Road Bridge #125**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: D**

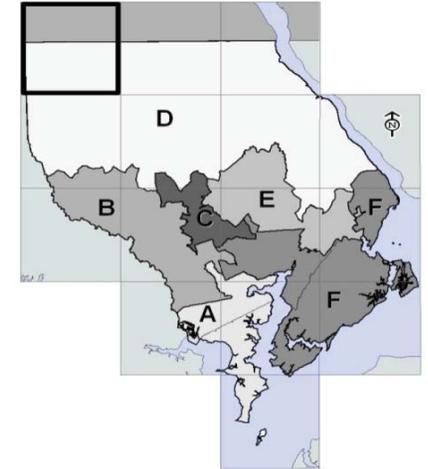
**LOCATION: Norrisville**

**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:**

FY17 - 19 Construction

**PROJECT STATUS:**

Design complete, r/w complete, utilities being relocated.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	175,000		175,000						175,000
Land Acquisition	35,000		35,000						35,000
Construction	450,000	400,000	850,000						850,000
Inspection Fees	40,000		40,000						40,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>700,000</b>	<b>400,000</b>	<b>1,100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	175,000		175,000						175,000
R7100 Prior Bonds	525,000		525,000						525,000
R7000 Future Bonds		400,000	400,000						400,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>700,000</b>	<b>400,000</b>	<b>1,100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100,000</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 2/1/18:**

Expended 159,466  
 Encumbered 102,118  
**Total \$261,584**

**PROJECT: Phillips Mill Road Bridge #70**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: B**

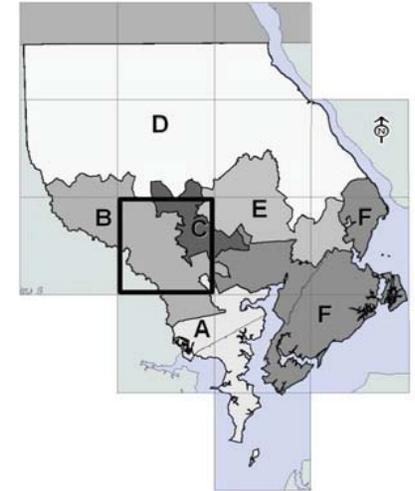
**LOCATION: Forest Hill**

**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:**

FY19 - Utilities  
 FY 20 - Construction

**PROJECT STATUS:**

Design complete, ROW acquisition in progress

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	490,000		490,000						490,000
Land Acquisition	60,000		60,000						60,000
Construction		50,000	50,000	2,800,000					2,850,000
Inspection Fees			0	150,000					150,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>550,000</b>	<b>50,000</b>	<b>600,000</b>	<b>2,950,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,550,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	130,000	50,000	180,000	650,000					830,000
R3140 Federal Aid	320,000		320,000	2,300,000					2,620,000
R7100 Prior Bonds	100,000		100,000						100,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>550,000</b>	<b>50,000</b>	<b>600,000</b>	<b>2,950,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,550,000</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 2/1/18:**

Expended 402,295  
 Encumbered 6,231  
**Total \$408,526**



**PROJECT: Robinson Mill Road Bridge #154**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: D**

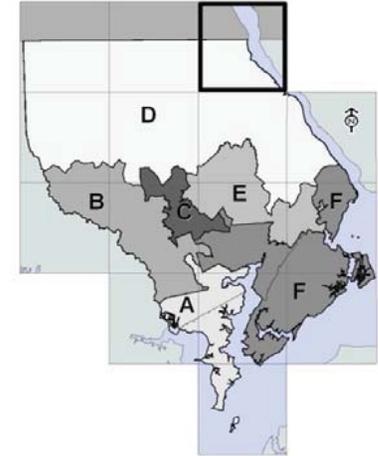
**LOCATION: Dublin**

**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:**

FY18 - Construction

**PROJECT STATUS:**

Design 100% complete. R/W Acquisitions complete.  
 Advertise for Construction: Winter / Spring, 2018

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	125,000		125,000						125,000
Land Acquisition	125,000		125,000						125,000
Construction	1,435,000	130,000	1,565,000						1,565,000
Inspection Fees			0						0
Equip. / Furn.			0						0
<b>Total Cost</b>	<b>1,685,000</b>	<b>130,000</b>	<b>1,815,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,815,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	415,000		415,000						415,000
R3140 Federal Aid	1,105,000	80,000	1,185,000						1,185,000
R7100 Prior Bonds	135,000		135,000						135,000
R8089 Reappropriated Paygo	30,000		30,000						30,000
R7000 Future Bonds		50,000	50,000						50,000
			0						0
<b>Total Funds</b>	<b>1,685,000</b>	<b>130,000</b>	<b>1,815,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,815,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$4,958  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 295,302  
 Encumbered 6,532  
**Total \$301,834**

**PROJECT: Watervale Road Bridge #63**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: B**

**LOCATION: Fallston**

**H044506**

**PROJECT DESCRIPTION / JUSTIFICATION:**

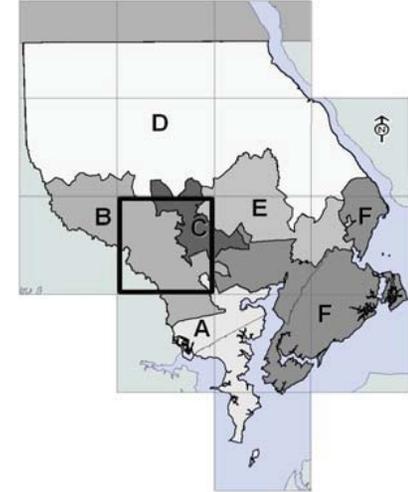
This project is to replace the bridge that carries Watervale Road over Winters Run. The existing single lane configuration and 3 ton rating are inadequate for the current traffic volumes and classifications. Also, the bridge is quickly deteriorating and requires substantial repairs to both the super and sub-structures

This project is eligible for Federal Funds.

**PROJECT SCHEDULE:**

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement program following completion of the audit in July, 2018. The balance of this project in the amount of \$22,484 will be transferred to the Bridge Rehabilitation project (H134502).



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	452,000		452,000						452,000
Land Acquisition	100,000		100,000						100,000
Construction	3,308,000	(22,484)	3,285,516						3,285,516
Inspection Fees	295,000		295,000						295,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,155,000</b>	<b>(22,484)</b>	<b>4,132,516</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,132,516</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
R8750 Prior Paygo		(22,484)	(22,484)						(22,484)
<b>Total Funds</b>	<b>4,155,000</b>	<b>(22,484)</b>	<b>4,132,516</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,132,516</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 2/1/18:**

Expended 4,109,238  
 Encumbered 0  
**Total \$4,109,238**

# **OUTYEAR PROJECTS**

## **FY 20 - FY 24**

**PROJECT: Boggs Road Bridge #66**

**HIGHWAYS - BRIDGES**

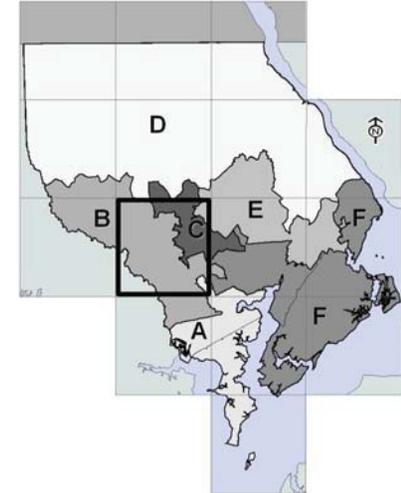
**COUNCIL DISTRICT: B**

**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:**

- FY21 - Design
- FY22 - R/W & Permits
- FY24 - Construction

**PROJECT STATUS:**

Not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0		200,000				200,000
Land Acquisition			0			20,000			20,000
Construction			0					950,000	950,000
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>20,000</b>	<b>0</b>	<b>1,020,000</b>	<b>1,240,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0		200,000	20,000		1,020,000	1,240,000
			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>200,000</b>	<b>20,000</b>	<b>0</b>	<b>1,020,000</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**

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

**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	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	10,000		10,000	5,000	5,000	5,000	5,000	5,000	35,000
Land Acquisition			0						0
Construction	270,000		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
<b>Total Cost</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>1,300,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	300,000		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
<b>Total Funds</b>	<b>300,000</b>	<b>0</b>	<b>300,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</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 2/1/18:**

Expended	98,330
Encumbered	0
<b>Total</b>	<b><u>98,330</u></b>

**PROJECT: Deep Run Road Bridge #152**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: D**

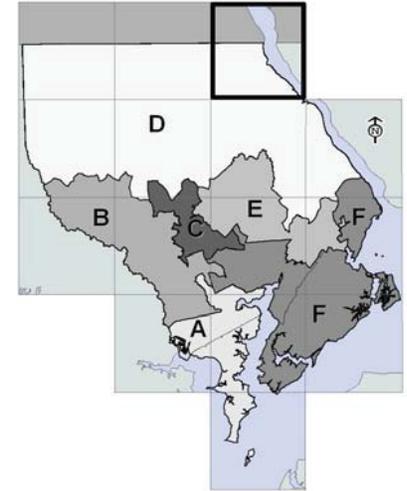
**LOCATION: Whiteford**

**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:**

- FY21 - Design
- FY22 - R/W & Permits
- FY24 - Construction

**PROJECT STATUS:**

Not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0		200,000				200,000
Land Acquisition			0			20,000			20,000
Construction			0					950,000	950,000
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>20,000</b>	<b>0</b>	<b>1,020,000</b>	<b>1,240,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0		200,000	20,000		1,020,000	1,240,000
			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>200,000</b>	<b>20,000</b>	<b>0</b>	<b>1,020,000</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**

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

**PROJECT: Fawn Grove Road Bridge #132**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: D**

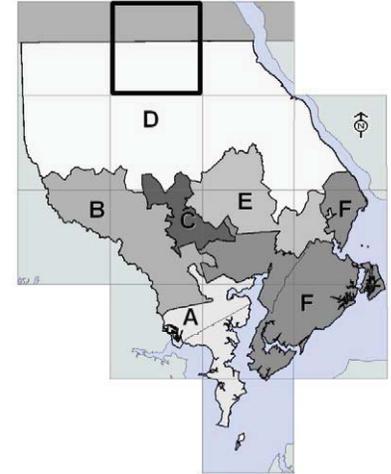
**LOCATION: Pylesville**

**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 & Permits
- FY23 - Construction

**PROJECT STATUS:**

Not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	10,000		10,000	250,000					260,000
Land Acquisition					50,000				50,000
Construction							800,000		800,000
Inspection Fees							50,000		50,000
Equipment/Furnishing									0
<b>Total Cost</b>	<b>10,000</b>	<b>0</b>	<b>10,000</b>	<b>250,000</b>	<b>50,000</b>	<b>0</b>	<b>850,000</b>	<b>0</b>	<b>1,160,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	10,000		10,000						10,000
R7000 Future Bonds			0	250,000	50,000		850,000		1,150,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>10,000</b>	<b>0</b>	<b>10,000</b>	<b>250,000</b>	<b>50,000</b>	<b>0</b>	<b>850,000</b>	<b>0</b>	<b>1,160,000</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 2/1/18:**

Expended	5,467
Encumbered	
<b>Total</b>	<b>\$5,467</b>

**PROJECT: Glenville Road Bridge #30**

**HIGHWAYS - BRIDGES**

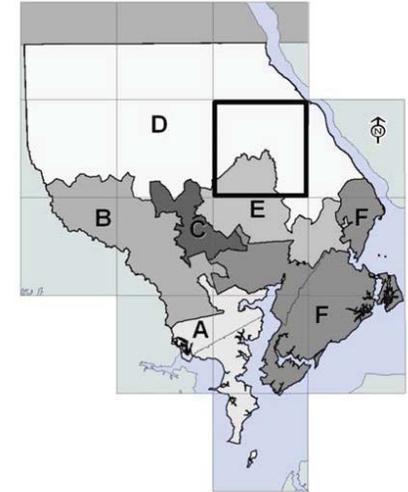
**COUNCIL DISTRICT: MULTIPLE**

**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:**

- FY18 - Design
- FY19 - R/W
- FY22 - Utility Relocation & Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	410,000		410,000						410,000
Land Acquisition			0						0
Construction			0			970,000			970,000
Inspection Fees			0			75,000			75,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>410,000</b>	<b>0</b>	<b>410,000</b>	<b>0</b>	<b>0</b>	<b>1,045,000</b>	<b>0</b>	<b>0</b>	<b>1,455,000</b>

**FUNDING SCHEDULE**

R3140 Federal TEA-21	300,000		300,000			209,000			509,000
R7100 Prior Bonds	110,000		110,000						110,000
R7000 Future Bonds			0			836,000			836,000
			0						0
			0						0
<b>Total Funds</b>	<b>410,000</b>	<b>0</b>	<b>410,000</b>	<b>0</b>	<b>0</b>	<b>1,045,000</b>	<b>0</b>	<b>0</b>	<b>1,455,000</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 2/1/18:**

Expended	146
Encumbered	0
<b>Total</b>	<b>\$146</b>

**PROJECT: Moores Road Bridge #78**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: B**

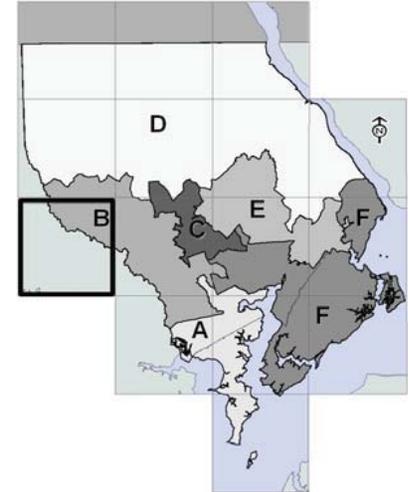
**LOCATION: Upper Crossroads**

**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:**

- FY22 - Design
- FY23 - R/W & Permits
- Outyears - Construction

**PROJECT STATUS:**

Not currently funded.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0			200,000			200,000
Land Acquisition			0				25,000		25,000
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>200,000</b>	<b>25,000</b>	<b>0</b>	<b>225,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0			200,000	25,000		225,000
			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>200,000</b>	<b>25,000</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	
<b>Total</b>	<b>\$0</b>

**PROJECT: Scarboro Road Bridge #140**

**HIGHWAYS - BRIDGES**

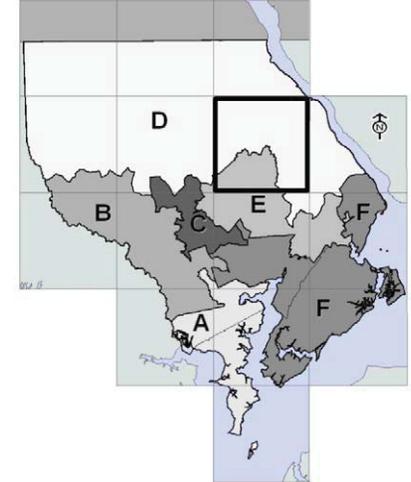
**COUNCIL DISTRICT: D**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>200,000</b>	<b>10,000</b>	<b>0</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
<b>Total Funds</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>0</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**

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

**PROJECT: Stafford Road Bridge #24**

**COUNCIL DISTRICT: D**

**LOCATION: Darlington**

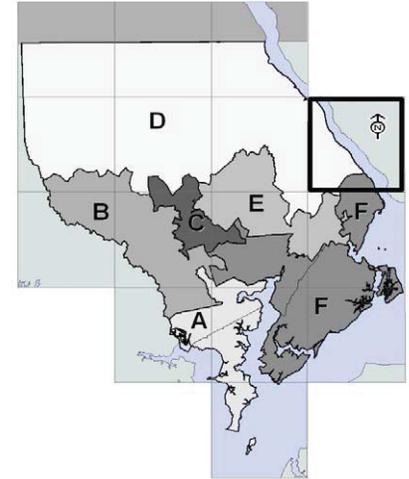
**HIGHWAYS - BRIDGES**

**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:**

FY18 - Design

FY20 - Construction

**Project Status:**

Design 75% Complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	405,000		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>405,000</b>	<b>0</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	300,000		300,000	1,280,000					1,580,000
R7000 Future Bonds			0	320,000					320,000
R7100 Prior Bonds	65,000		65,000						65,000
			0						0
			0						0
<b>Total Funds</b>	<b>405,000</b>	<b>0</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 2/1/18:**

Expended	51,503
Encumbered	50,341
<b>Total</b>	<b>\$101,844</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:**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	2,657,324
Encumbered	105,661
<b>Total</b>	<b><u>\$2,762,985</u></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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 2,824,246  
 Encumbered 25,753  
**Total \$2,849,999**

**PROJECT: Carrs Mill Road Bridge #216**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: B**

**LOCATION: Fallston**

**H084501**

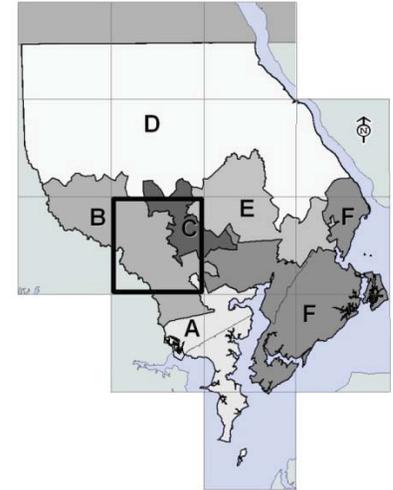
**PROJECT DESCRIPTION / JUSTIFICATION:**

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:**

FY18 - Construction



**PROJECT STATUS:**

Design 100% complete. Finalizing R/W negotiations.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	360,000		360,000						360,000
Land Acquisition			0						0
Construction	2,115,000		2,115,000						2,115,000
Inspection Fees	100,000		100,000						100,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,575,000</b>	<b>0</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	542,000		542,000						542,000
R3140 Federal Aid	1,923,000		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>2,575,000</b>	<b>0</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 2/1/18:**

Expended 1,471,002  
 Encumbered 669,255  
**Total \$2,140,257**

**PROJECT: Snake Lane Bridge #31**

**HIGHWAYS - BRIDGES**

**COUNCIL DISTRICT: E**

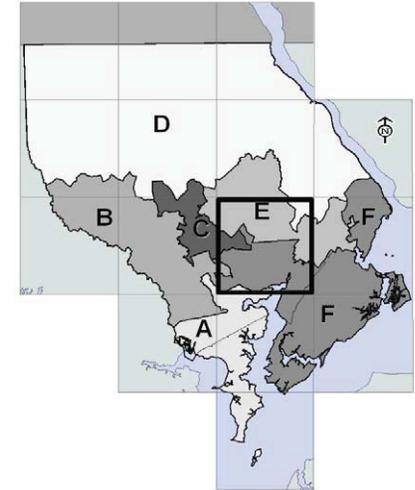
**LOCATION: Churchville**

**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:**

FY18 - Construction

**PROJECT STATUS:**

Design complete. R/W acquired.  
Construction on hold.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>1,095,000</b>	<b>0</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
R7100 Prior Bonds	900,000		900,000						900,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,095,000</b>	<b>0</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 2/1/18:**

Expended	175,952
Encumbered	18,343
<b>Total</b>	<b>\$194,295</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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	420,000		420,000						420,000
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>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>420,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	420,000		420,000						420,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>420,000</b>	<b>0</b>	<b>420,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>420,000</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 2/1/18:**

Expended	321,281
Encumbered	25,207
<b>Total</b>	<b>\$346,488</b>

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>ROADWAYS</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Chapel Road Improvements	169,821	225,000	(55,179)	0	0	0	0	0
Guardrails	1,300,000	525,000	150,000	125,000	125,000	125,000	125,000	125,000
Intersection Improvements	5,181,728	2,881,728	400,000	380,000	380,000	380,000	380,000	380,000
MD 152/Oakmont Road/Port Lane	942,666	400,732	(8,066)	0	0	550,000	0	0
Schucks Road Culvert Replacement	23,824	80,000	(56,176)	0	0	0	0	0
Schucks Road Improvements	1,718,368	437,192	456,176	825,000	0	0	0	0
Spesutia Road Reconstruction/Upgrade	5,400,000	500,000	500,000	250,000	4,650,000	0	0	0
Stormdrain Rehabilitation	3,116,231	1,666,231	100,000	250,000	250,000	250,000	300,000	300,000
Traffic Calming, Bicycle & Road Safety	1,400,000	550,000	100,000	150,000	150,000	150,000	150,000	150,000
<b><u>Outyear Projects:</u></b>								
Bata Blvd Access Road	600,000	0	0	150,000	0	0	450,000	0
Drainage Improvements	2,450,000	1,575,000	0	175,000	175,000	175,000	175,000	175,000
New Roads and Stormdrains	3,625,000	2,625,000	0	200,000	200,000	200,000	200,000	200,000
Traffic Signals	359,601	109,601	0	50,000	50,000	50,000	50,000	50,000
Trimble Road (Joppa Rd to Garnett Rd)	650,000	0	0	100,000	50,000	0	500,000	0
<b><u>Open Projects:</u></b>								
Landis Circle - Foxborough Farms	350,000	350,000	0	0	0	0	0	0
Moores Mill Road	10,363,088	10,363,088	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>38,400,327</b>	<b>22,538,572</b>	<b>1,586,755</b>	<b>2,655,000</b>	<b>6,030,000</b>	<b>1,880,000</b>	<b>2,330,000</b>	<b>1,380,000</b>
Paygo	19,252,264	10,227,264	750,000	2,155,000	1,280,000	1,780,000	1,780,000	1,280,000
Prior Paygo	(63,245)		(63,245)	0	0	0	0	0
Future Bonds	6,400,000	0	900,000	400,000	4,650,000	0	450,000	0
Prior Bonds	6,731,707	6,731,707	0	0	0	0	0	0
Reappropriated	309,601	309,601	0	0	0	0	0	0
State	720,000	720,000	0	0	0	0	0	0
Federal	0	0	0	0	0	0	0	0
Developer	3,050,000	2,550,000	0	100,000	100,000	100,000	100,000	100,000
Other	2,000,000	2,000,000	0	0	0	0	0	0
<b>Roadways Total by Fund</b>	<b>38,400,327</b>	<b>22,538,572</b>	<b>1,586,755</b>	<b>2,655,000</b>	<b>6,030,000</b>	<b>1,880,000</b>	<b>2,330,000</b>	<b>1,380,000</b>

FY 19 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

ROADWAYS

Chapel Road Improvements	(55,179)	(55,179)	0	0	0	0	0	0	0	0	0	0	0
Guardrails	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
MD 152/Oakmont Road/Port Lane	(8,066)	(8,066)	0	0	0	0	0	0	0	0	0	0	0
Schucks Road Culvert Replacement	(56,176)	(56,176)	0	0	0	0	0	0	0	0	0	0	0
Schucks Road Improvements	456,176	56,176	0	0	400,000	0	0	0	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	500,000	0	0	0	500,000	0	0	0	0	0	0	0	0
Stormdrain Rehabilitation	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle and Road Safety Improvements	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL ROADWAYS</b>	<b>1,586,755</b>	<b>(63,245)</b>	<b>750,000</b>	<b>0</b>	<b>900,000</b>	<b>0</b>							

**PROJECT: Chapel Road Improvements**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: F**

**LOCATION:**

**H184502**

**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.

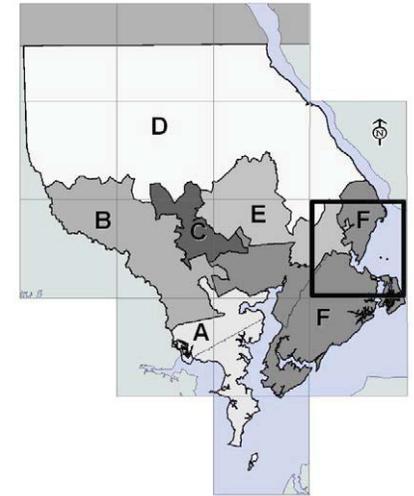
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

**PROJECT SCHEDULE:**

FY18 - Construction

**PROJECT STATUS:**

This project can be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018. The balance of this project in the amount of \$55,179 will be transferred to the Resurfacing Roadways Project (H184503)



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	225,000	(55,179)	169,821						169,821
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>225,000</b>	<b>(55,179)</b>	<b>169,821</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>169,821</b>

**FUNDING SCHEDULE**

R8750 Paygo	225,000		225,000						225,000
R8750 Prior Paygo		(55,179)	(55,179)						(55,179)
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>225,000</b>	<b>(55,179)</b>	<b>169,821</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>169,821</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 2/1/18:**

Expended	169,821
Encumbered	0
<b>Total</b>	<b>\$169,821</b>

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	45,000	15,000	60,000	10,000	10,000	10,000	10,000	10,000	110,000
Land Acquisition			0						0
Construction	455,000	130,000	585,000	110,000	110,000	110,000	110,000	110,000	1,135,000
Inspection Fees	25,000	5,000	30,000	5,000	5,000	5,000	5,000	5,000	55,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>525,000</b>	<b>150,000</b>	<b>675,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>1,300,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	525,000	150,000	675,000	125,000	125,000	125,000	125,000	125,000	1,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>525,000</b>	<b>150,000</b>	<b>675,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</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 2/1/18:**

Expended 568,230  
 Encumbered 0  
 Total \$568,230

**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 Roundabout
- FY19 - Bel Air S. Pkwy & Tollgate Roundabout
- FY20 - Bynum Road & Water Tower Way Roundabout

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	270,000	35,000	305,000	10,000	10,000	10,000	10,000	10,000	355,000
Land Acquisition	95,000	10,000	105,000						105,000
Construction	2,281,728	320,000	2,601,728	350,000	350,000	350,000	350,000	350,000	4,351,728
Inspection Fees	235,000	35,000	270,000	20,000	20,000	20,000	20,000	20,000	370,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,881,728</b>	<b>400,000</b>	<b>3,281,728</b>	<b>380,000</b>	<b>380,000</b>	<b>380,000</b>	<b>380,000</b>	<b>380,000</b>	<b>5,181,728</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,431,728	400,000	2,831,728	380,000	380,000	380,000	380,000	380,000	4,731,728
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>2,881,728</b>	<b>400,000</b>	<b>3,281,728</b>	<b>380,000</b>	<b>380,000</b>	<b>380,000</b>	<b>380,000</b>	<b>380,000</b>	<b>5,181,728</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 2/1/18:**

Expended	2,598,285
Encumbered	36,709
<b>Total</b>	<b>\$2,634,994</b>

**PROJECT: MD152/Oakmont Road/Port Lane**

**HIGHWAYS - ROADS**

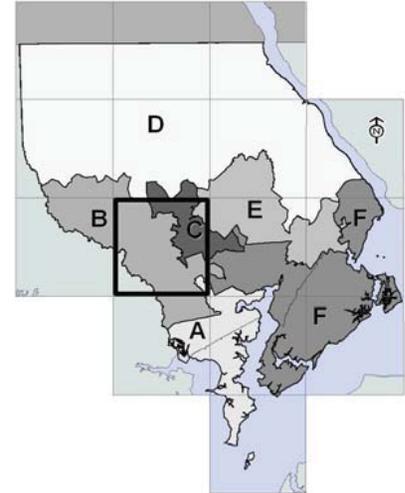
**COUNCIL DISTRICT: B**

**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:**

FY22 - Construction

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018.

**The balance in the amount of \$8,066 will be transferred to the Resurfacing Roadways project (H184503).**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	75,000		75,000						75,000
Land Acquisition	200,000		200,000						200,000
Construction	125,732	(8,066)	117,666			500,000			617,666
Inspection Fees			0			50,000			50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>400,732</b>	<b>(8,066)</b>	<b>392,666</b>	<b>0</b>	<b>0</b>	<b>550,000</b>	<b>0</b>	<b>0</b>	<b>942,666</b>

**FUNDING SCHEDULE**

R8750 Paygo	400,000		400,000			550,000			950,000
R7100 Prior Bonds	732		732						732
R8750 Prior Paygo		(8,066)	(8,066)						(8,066)
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>400,732</b>	<b>(8,066)</b>	<b>392,666</b>	<b>0</b>	<b>0</b>	<b>550,000</b>	<b>0</b>	<b>0</b>	<b>942,666</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 2/1/18:**

Expended	117,666
Encumbered	0
<b>Total</b>	<b>\$117,666</b>

**PROJECT: Schucks Road Culvert Replacement**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: E**

**LOCATION: Churchville**

**H124505**

**PROJECT DESCRIPTION / JUSTIFICATION:**

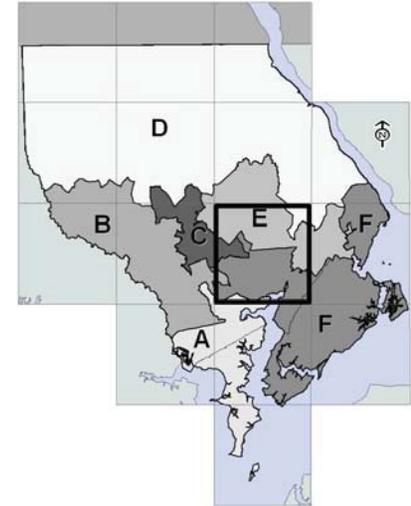
This project is to replace the existing culvert on Schucks Road at Edwards Lane. The existing culvert is deteriorating and undersized. The road in the immediate vicinity of the culvert is poorly aligned with inadequate drainage. Design funds were taken from the Culvert Rehab account and, due to the size 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:**

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018. **The balance of \$56,176 will be transferred to the Schucks Road Improvements Project (H064503).**



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees	80,000	(56,176)	23,824						23,824
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>80,000</b>	<b>(56,176)</b>	<b>23,824</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,824</b>

**FUNDING SCHEDULE**

R8750 Paygo	80,000		80,000						80,000
R8750 Prior Paygo		(56,176)	(56,176)						(56,176)
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>80,000</b>	<b>(56,176)</b>	<b>23,824</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,824</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 2/1/18:**

Expended 23,824  
 Encumbered 0  
**Total \$23,824**

**PROJECT: Schucks Road Improvements**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: E**

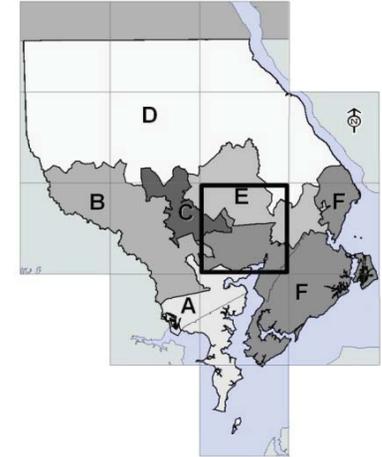
**LOCATION: Bel Air**

**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:**

FY19 - R/W  
 FY20 - Construction

**PROJECT STATUS:**

Design complete - 7 of 8 rights-of-way have been acquired.  
 Reappropriated Paygo was transferred from the closure of the Schucks Road Culvert Replacement project (H124505).

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		456,176	456,176						456,176
Land Acquisition	15,000		15,000						15,000
Construction	377,192		377,192	750,000					1,127,192
Inspection Fees	45,000		45,000	75,000					120,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>437,192</b>	<b>456,176</b>	<b>893,368</b>	<b>825,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,718,368</b>

**FUNDING SCHEDULE**

R8750 Paygo	437,192		437,192	825,000					1,262,192
R8750 Prior Paygo		56,176	56,176						56,176
R7000 Future Bonds		400,000	400,000						400,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>437,192</b>	<b>456,176</b>	<b>893,368</b>	<b>825,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,718,368</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$10,720  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial activity as of 2/1/18:**

Expended 137,192  
 Encumbered 0  
 Total \$137,192

**PROJECT: Spesutia Road Reconstruction/Upgrade**

**HIGHWAYS - ROADS**

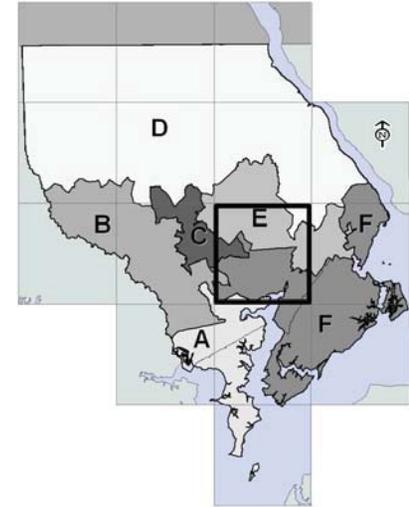
**COUNCIL DISTRICT: F**

**LOCATION: Perryman**

**H194508**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project consists of improving Spesutia Road between US40 and MD159 to address safety and traffic volume increases due to the continuous and ongoing development in the Perryman peninsula area. Approximately 4,000 LF of closed section road is proposed to be built. Spesutia Road functions as a collector road between two State roads. The improvements are proposed to include capacity upgrades at the two State road intersections as well as road widening to accommodate a bicycle shoulder/lane and sidewalks where necessary. 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 19 - Preliminary Analysis and Design  
 FY 20 - Right of Way Acquisition  
 FY 21 - Construction

**PROJECT STATUS:**

New project.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		500,000	500,000						500,000
Land Acquisition			0	250,000					250,000
Construction			0		4,500,000				4,500,000
Inspection Fees			0		150,000				150,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>500,000</b>	<b>500,000</b>	<b>250,000</b>	<b>4,650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,400,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		500,000	500,000	250,000	4,650,000				5,400,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>500,000</b>	<b>500,000</b>	<b>250,000</b>	<b>4,650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,400,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$13,400  
 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: 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	295,000	5,000	300,000	30,000	30,000	30,000	35,000	35,000	460,000
Land Acquisition			0						0
Construction	1,236,231	90,000	1,326,231	180,000	180,000	180,000	225,000	225,000	2,316,231
Inspection Fees	135,000	5,000	140,000	40,000	40,000	40,000	40,000	40,000	340,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,666,231</b>	<b>100,000</b>	<b>1,766,231</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>300,000</b>	<b>300,000</b>	<b>3,116,231</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,666,231	100,000	1,766,231	250,000	250,000	250,000	300,000	300,000	3,116,231
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,666,231</b>	<b>100,000</b>	<b>1,766,231</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>300,000</b>	<b>300,000</b>	<b>3,116,231</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 2/1/18:**

Expended 1,471,174  
 Encumbered 0  
 Total \$1,471,174

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	55,000	15,000	70,000	15,000	15,000	15,000	15,000	15,000	145,000
Land Acquisition			0						0
Construction	440,000	75,000	515,000	120,000	120,000	120,000	120,000	120,000	1,115,000
Inspection Fees	55,000	10,000	65,000	15,000	15,000	15,000	15,000	15,000	140,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>550,000</b>	<b>100,000</b>	<b>650,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,400,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	550,000	100,000	650,000	150,000	150,000	150,000	150,000	150,000	1,400,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>550,000</b>	<b>100,000</b>	<b>650,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>1,400,000</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 2/1/18:**

Expended	462,465
Encumbered	0
<b>Total</b>	<b>\$462,465</b>

# **OUTYEAR PROJECTS**

## **FY 20 - FY 24**



**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	90,000		90,000	20,000	20,000	20,000	20,000	20,000	190,000
Land Acquisition	22,250		22,250						22,250
Construction	1,375,000		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
<b>Total Cost</b>	<b>1,575,000</b>	<b>0</b>	<b>1,575,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>2,450,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,575,000		1,575,000	175,000	175,000	175,000	175,000	175,000	2,450,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,575,000</b>	<b>0</b>	<b>1,575,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</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 2/1/18:**

Expended 1,422,664  
 Encumbered 20,854  
**Total \$1,443,518**

**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:**

**PROJECT STATUS:**

Various projects are continuously being designed & constructed under this account.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	50,000		50,000	5,000	5,000	5,000	5,000	5,000	75,000
Land Acquisition	100,000		100,000						100,000
Construction	2,400,000		2,400,000	175,000	175,000	175,000	175,000	175,000	3,275,000
Inspection Fees	75,000		75,000	20,000	20,000	20,000	20,000	20,000	175,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>2,625,000</b>	<b>0</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	325,000		325,000	100,000	100,000	100,000	100,000	100,000	825,000
R6330 Developer	2,300,000		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>2,625,000</b>	<b>0</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 2/1/18:**

Expended 864,915  
 Encumbered 526,602  
**Total \$1,391,517**

**PROJECT: Traffic Signals**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	5,000		5,000	5,000	5,000	5,000	5,000	5,000	30,000
Land Acquisition			0						0
Construction	104,601		104,601	45,000	45,000	45,000	45,000	45,000	329,601
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>50,000</b>	<b>359,601</b>

**FUNDING SCHEDULE**

R8750 Paygo	0		0	50,000	50,000	50,000	50,000	50,000	250,000
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>50,000</b>	<b>359,601</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 2/1/18:**

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

**PROJECT: Trimble Road (Joppa Road to Garnett Road)**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: A**

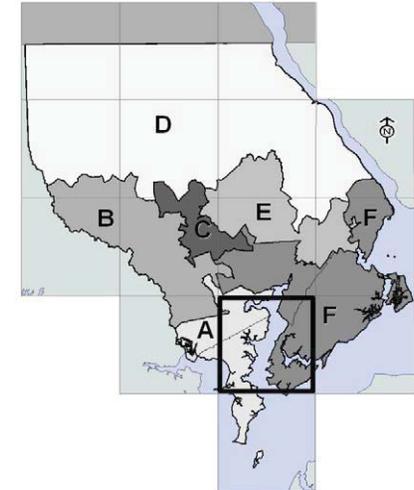
**LOCATION: Joppatowne**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>100,000</b>	<b>50,000</b>	<b>0</b>	<b>500,000</b>	<b>0</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
<b>Total Funds</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>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**

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

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Landis Circle - Foxborough Farms**

**HIGHWAYS - ROADS**

**COUNCIL DISTRICT: E**

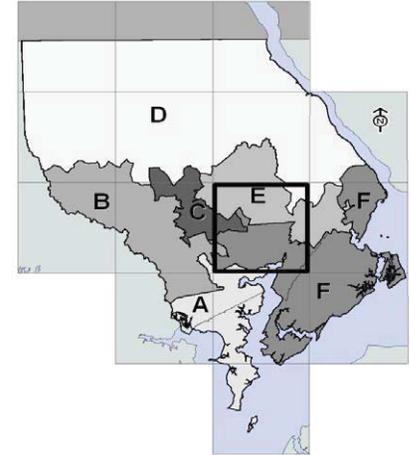
**LOCATION: Bel Air**

**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:**



**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<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**

R6999 Other	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 2/1/18:**

Expended 259,694  
 Encumbered 0  
**Total \$259,694**

**PROJECT: Moores Mill Road**

**HIGHWAYS - ROADS**

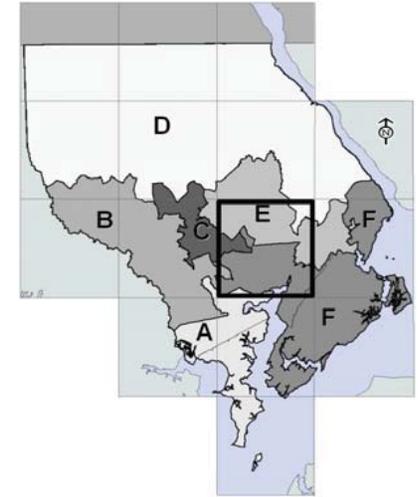
**COUNCIL DISTRICT: MULTIPLE**

**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:**

FY18 - Construction Phase 2

**PROJECT STATUS:**

Phase 2 - Construction Complete; Phase 3 - Design complete, R/W Complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	221,000		221,000						221,000
Land Acquisition	550,000		550,000						550,000
Construction	9,142,088		9,142,088						9,142,088
Inspection Fees	450,000		450,000						450,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>10,363,088</b>	<b>0</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	720,000		720,000						720,000
R6999 Other	856,708		856,708						856,708
R6340 Corporate/Business	43,292		43,292						43,292
R7100 Prior Bonds	6,730,975		6,730,975						6,730,975
R7000 Future Bonds			0						0
<b>Total Funds</b>	<b>10,363,088</b>	<b>0</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 2/1/18:**

Expended 5,726,236  
 Encumbered 1,036,543  
**Total \$6,762,779**

**PROJECT: Village of Scot's Fancy Starmount Lane**

**HIGHWAYS - ROADS**

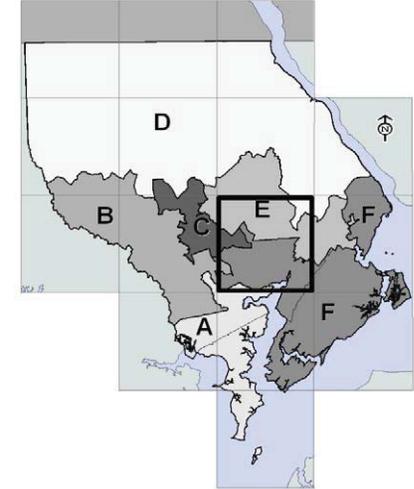
**COUNCIL DISTRICT: E**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<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**

R1602 Special Assessment	750,000		750,000						750,000
			0						0
			0						0
			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: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 715,128  
 Encumbered 0  
**Total \$715,128**

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2019	FY 2020	FIVE YEAR CAPITAL PROGRAM				
					FY 2021	FY 2022	FY 2023	FY 2024	
<b>HIGHWAYS FUND</b>									
<b>RESURFACING</b>									
<b><u>FY 19 Funded Projects:</u></b>									
Resurfacing Roadways	38,468,262	5,705,017	6,513,245	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							
Resurfacing Total by Project	61,028,154	28,264,909	6,513,245	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	
Paygo	58,389,517	25,689,517	6,450,000	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	63,245	0	63,245	0	0	0	0	0	
Resurfacing Total by Fund	61,028,154	28,264,909	6,513,245	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	

FY 19 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

RESURFACING													
Resurfacing Roadways 18	6,513,245	63,245	6,450,000	0	0		0	0	0	0	0	0	0
<b>SUB-TOTAL RESURFACING</b>	<b>6,513,245</b>	<b>63,245</b>	<b>6,450,000</b>	<b>0</b>									

**PROJECT: Resurfacing Roadways**

**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:**

Reappropriated funding in FY 19 has been transferred from the Chapel Road Improvements Project (H184502) in the amount of \$55,179; and from the MD152/Oakmont Road/Port Lane Project (H104504) in the amount of \$8,066.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	75,000	75,000	150,000	75,000	75,000	75,000	75,000	75,000	525,000
Land Acquisition			0						0
Construction	5,480,017	6,288,245	11,768,262	4,825,000	4,875,000	4,900,000	4,950,000	4,975,000	36,293,262
Inspection Fees	150,000	150,000	300,000	250,000	250,000	275,000	275,000	300,000	1,650,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>5,705,017</b>	<b>6,513,245</b>	<b>12,218,262</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>38,468,262</b>

**FUNDING SCHEDULE**

R8750 Paygo	5,705,017	6,450,000	12,155,017	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	38,405,017
R8750 Prior Paygo		63,245	63,245						63,245
R8089 Reappropriated Paygo			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>5,705,017</b>	<b>6,513,245</b>	<b>12,218,262</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>38,468,262</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 2/1/18:**

Expended 283,415  
 Encumbered 1,244,086  
**Total \$1,527,501**

# 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 5,394,745  
 Encumbered 208,361  
**Total \$5,603,106**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<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 2/1/18:**

Expended	5,394,745
Encumbered	208,361
<b>Total</b>	<b>\$5,603,106</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:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 3,046,229  
 Encumbered 1,947,980  
**Total \$4,994,209**

HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM				
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
<u>HIGHWAYS FUND</u>									
OTHER									
<u>FY 19 Funded Projects:</u>									
APG Gate PILOT	2,500,000	2,000,000	500,000	0	0	0	0	0	0
Efficiency Capital Investment Project	435,000	155,000	80,000	40,000	40,000	40,000	40,000	40,000	40,000
Fleet Maintenance Facility	5,816,000	155,000	561,000	5,100,000	0	0	0	0	0
Fleet Replacement	19,442,000	10,442,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Refresh Program	890,500	440,500	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Safeguarding Business Operations	3,462,450	2,937,450	400,000	125,000	0	0	0	0	0
Salt Dome	350,000	0	50,000	300,000	0	0	0	0	0
Sidewalks and Handicapped Ramps	2,129,300	1,149,300	230,000	150,000	150,000	150,000	150,000	150,000	150,000
<u>Outyear Projects:</u>									
Equipment Sheds	200,000	0	0	100,000	100,000	0	0	0	0
Facilities Repair Program	1,507,000	1,007,000	0	100,000	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	0
Glen Elyn Culvert & Ponds Repair	392,500	392,500	0	0	0	0	0	0	0
HMAN	930,000	930,000	0	0	0	0	0	0	0
Primrose Place	146,000	146,000	0	0	0	0	0	0	0
700 MHz Wireless Radio System Equip	1,600,000	1,600,000	0	0	0	0	0	0	0
Other Total by Project	40,750,750	22,304,750	3,396,000	7,490,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000
Paygo	32,411,718	20,390,752	2,370,966	2,090,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000
Future Bonds	6,011,000	0	611,000	5,400,000	0	0	0	0	0
Prior Bonds	0	155,000	0	0	0	0	0	0	0
Special Paygo	0	0	0	0	0	0	0	0	0
Reappropriated	138,865	138,865	0	0	0	0	0	0	0
Federal	169,300	169,300	0	0	0	0	0	0	0
State	190,000	70,000	120,000	0	0	0	0	0	0
Developer	64,650	64,650	0	0	0	0	0	0	0
Other	1,610,217	1,316,183	294,034	0	0	0	0	0	0
Other Total by Fund	40,750,750	22,304,750	3,396,000	7,490,000	1,965,000	1,865,000	1,865,000	1,865,000	1,865,000

FY 19 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

OTHER

APG Gate PILOT*	500,000	0	205,966	0	0	0	0	0	0	0	0	0	294,034
Efficiency Capital Investment Project	80,000	0	40,000	0	0	0	0	0	40,000	0	0	0	0
Fleet Maintenance Facility	561,000	0	0	0	561,000	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 Program	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
Salt Dome	50,000	0	0	0	50,000	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	230,000	0	150,000	0	0	0	0	0	80,000	0	0	0	0

<b>SUB-TOTAL OTHER</b>	<b>3,396,000</b>	<b>0</b>	<b>2,370,966</b>	<b>0</b>	<b>611,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>294,034</b>
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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 18 - 19 Harford County is designing and will construct a roundabout at the the intersection of Perryman Road (MD159) and Old Philadelphia Road (MD7)

**PROJECT STATUS:**

Design of Perryman Roundabout approx

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,000,000	500,000	2,500,000						2,500,000
<b>Total Cost</b>	<b>2,000,000</b>	<b>500,000</b>	<b>2,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,500,000</b>

**FUNDING SCHEDULE**

R8750 Paygo - APG Gate PILOT	1,057,667	205,966	1,263,633						1,263,633
R6999 Other	942,333	294,034	1,236,367						1,236,367
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,000,000</b>	<b>500,000</b>	<b>2,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,500,000</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 2/1/18:**

Expended 83,023  
 Encumbered 40,832  
**Total \$123,855**

**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  
 FY 19-20 Complete Building Energy Performance Assessments  
 All years - Implement Energy Efficient Measures

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		20,000	20,000						20,000
Land Acquisition									0
Construction	10,000	30,000	40,000	15,000	15,000	15,000	15,000	15,000	115,000
Inspection Fees									0
Equipment/Furnishing	145,000	30,000	175,000	25,000	25,000	25,000	25,000	25,000	300,000
<b>Total Cost</b>	<b>155,000</b>	<b>80,000</b>	<b>235,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>435,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	50,000	40,000	90,000	40,000	40,000	40,000	40,000	40,000	290,000
R6999 Other	10,000		10,000						10,000
R3399 State Other	70,000	40,000	110,000						110,000
R8089 Reappropriated Paygo	25,000		25,000						25,000
			0						0
			0						0
<b>Total Funds</b>	<b>155,000</b>	<b>80,000</b>	<b>235,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</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 2/1/18:**

Expended	90,515
Encumbered	0
<b>Total</b>	<b>\$90,515</b>

**PROJECT: Fleet Maintenance Facility**

**HIGHWAYS - OTHER**

**COUNCIL DISTRICT: C**

**LOCATION: Various**

**H184504**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	155,000	561,000	716,000						716,000
Land Acquisition			0						0
Construction			0	5,100,000					5,100,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>155,000</b>	<b>561,000</b>	<b>716,000</b>	<b>5,100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,816,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		561,000	561,000	5,100,000					5,661,000
R7100 Prior Bonds	155,000		155,000						155,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>155,000</b>	<b>561,000</b>	<b>716,000</b>	<b>5,100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,816,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$19,189  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 0  
 Encumbered 0  
 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	10,442,000	1,500,000	11,942,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	19,442,000
<b>Total Cost</b>	<b>10,442,000</b>	<b>1,500,000</b>	<b>11,942,000</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>19,442,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	10,442,000	1,500,000	11,942,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	19,442,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>10,442,000</b>	<b>1,500,000</b>	<b>11,942,000</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>19,442,000</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 2/1/18:**

Expended 8,937,498  
 Encumbered 907,307  
**Total \$9,844,805**

**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:**

Increase monies required as more departments going to mobile devices in addition to desktop computer equipment. Examples, Building inspectors, Kiosk for firehouses and mobile equipment for ambulances.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	440,500	75,000	515,500	75,000	75,000	75,000	75,000	75,000	890,500
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>440,500</b>	<b>75,000</b>	<b>515,500</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>890,500</b>

**FUNDING SCHEDULE**

R8750 Paygo	376,635	75,000	451,635	75,000	75,000	75,000	75,000	75,000	826,635
R8089 Reappropriated Paygo	63,865		63,865						63,865
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>440,500</b>	<b>75,000</b>	<b>515,500</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>890,500</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 2/1/18:**

Expended	367,526
Encumbered	3,194
<b>Total</b>	<b>\$370,720</b>

**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:**

Request for this year will cover the balance of ERP cost \$2M, other misc mainframe sunset projects (\$250K), Data storage solution including consolidation of the two data centers (\$2M) and replacing 25 network switches in the Firehouses that are reaching end of life (\$200K).

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,937,450	400,000	3,337,450	125,000					3,462,450
<b>Total Cost</b>	<b>2,937,450</b>	<b>400,000</b>	<b>3,337,450</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,462,450</b>

**FUNDING SCHEDULE**

R8750 Paygo	2,937,450	400,000	3,337,450	125,000					3,462,450
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>2,937,450</b>	<b>400,000</b>	<b>3,337,450</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,462,450</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 2/1/18:**

Expended	2,207,057
Encumbered	395,751
<b>Total</b>	<b><u>\$2,602,808</u></b>

**PROJECT: Salt Dome**

**HIGHWAYS - OTHER**

**COUNCIL DISTRICT: D**

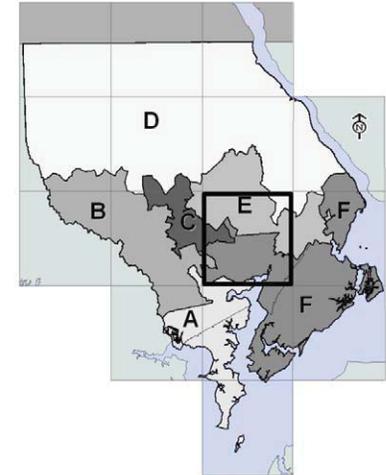
**LOCATION: Norrisville**

**H194509**

**PROJECT DESCRIPTION / JUSTIFICATION:**

Funds are requested for construction of a salt dome and satellite Highways "shop" for the northwestern portion of the County to reduce the response time for Highway's vehicles to retrieve salt for emergency situations and provide additional sleeping quarters for staff during emergencies.

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 - Construction

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		50,000	50,000						50,000
Land Acquisition			0						0
Construction			0	250,000					250,000
Inspection Fees			0	50,000					50,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		50,000	50,000	300,000					350,000
R8750 Prior Paygo			0						0
			0						
			0						
			0						
<b>Total Funds</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>	<b>300,000</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**

Expended

Encumbered

Total                       
                                     \$0

**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  
 FY19: Additional funds in State funding  
 Routes to School Initiative.

**PROJECT STATUS:**

Ongoing Program

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	75,000	10,000	85,000	10,000	10,000	10,000	10,000	10,000	135,000
Land Acquisition	25,000	5,000	30,000	5,000	5,000	5,000	5,000	5,000	55,000
Construction	989,300	200,000	1,189,300	120,000	120,000	120,000	120,000	120,000	1,789,300
Inspection Fees	60,000	15,000	75,000	15,000	15,000	15,000	15,000	15,000	150,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,149,300</b>	<b>230,000</b>	<b>1,379,300</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>2,129,300</b>

**FUNDING SCHEDULE**

R8750 Paygo	850,000	150,000	1,000,000	150,000	150,000	150,000	150,000	150,000	1,750,000
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
R3399 State Other		80,000	80,000						80,000
<b>Total Funds</b>	<b>1,149,300</b>	<b>230,000</b>	<b>1,379,300</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>2,129,300</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 2/1/18:**

Expended	859,912
Encumbered	25,044
<b>Total</b>	<b>\$884,956</b>

# **OUTYEAR PROJECTS**

**FY 20 - FY 24**

**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 20 - construction  
 FY 21 - construction

**PROJECT STATUS:**

Planning is underway



**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<b>Total Cost</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

**FUNDING SCHEDULE**

R8750 Paygo			0	100,000	100,000				200,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>100,000</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	
Encumbered	0
<b>Total</b>	<b>\$0</b>

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 881,110  
 Encumbered 10,881  
**Total \$891,991**

# 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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	949,273
Encumbered	0
<b>Total</b>	<b>\$949,273</b>

**PROJECT: Glen Elyn Culvert and Ponds Repair**

**HIGHWAYS - OTHER**

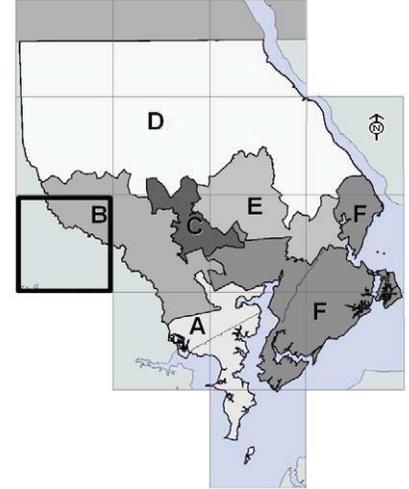
**COUNCIL DISTRICT: B**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 392,500  
 Encumbered 0  
 Total \$392,500

**PROJECT: Harford County Metro Area Network (HMAN)**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	930,000	0	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 2/1/18:**

Expended	925,680
Encumbered	4,272
<b>Total</b>	<b>\$929,952</b>

**PROJECT: Primrose Place**

**HIGHWAYS - OTHER**

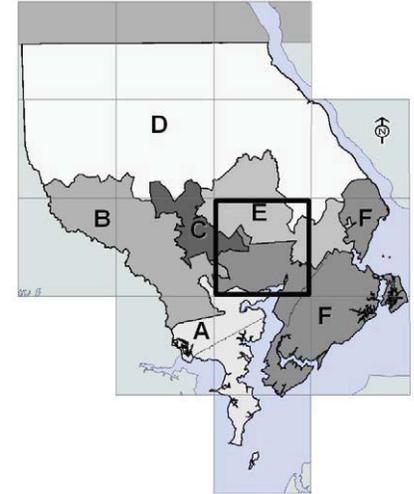
**COUNCIL DISTRICT: F**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	146,000		146,000						146,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>146,000</b>	<b>0</b>	<b>146,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146,000</b>

**FUNDING SCHEDULE**

R1602 Special Assessment	146,000		146,000						146,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>146,000</b>	<b>0</b>	<b>146,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146,000</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 2/1/18:**

Expended	132,605
Encumbered	0
<b>Total</b>	<b>\$132,605</b>

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	1,600,000
Encumbered	0
<b>Total</b>	<b>\$1,600,000</b>

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>WATER &amp; SEWER FUND</b>								
<b>WATER PROJECTS</b>								
<b>FY 19 Funded Projects:</b>								
Abingdon Water Treatment Plant PH	2,750,000	0	250,000	2,500,000	0	0	0	0
Efficiency Capital Investment Projects	365,000	300,000	65,000	0	0	0	0	0
Fleet Maintenance Facility	1,140,000	30,000	110,000	1,000,000	0	0	0	0
Fleet Replacement	9,062,000	4,262,000	800,000	800,000	800,000	800,000	800,000	800,000
Havre de Grace Water Treatment Plant	1,150,000	0	150,000	1,000,000	0	0	0	0
Infrastructure Management System Enhancements	600,000	300,000	50,000	50,000	50,000	50,000	50,000	50,000
Perryman GAC Plant Improvements	1,000,000	500,000	500,000	0	0	0	0	0
Perryman Wellfield Improvements	350,000	200,000	150,000	0	0	0	0	0
Refresh Program	917,000	467,000	75,000	75,000	75,000	75,000	75,000	75,000
Renewal and Replacement Water	3,500,000	400,000	300,000	1,400,000	800,000	300,000	300,000	0
Safeguarding Business Operations	3,711,650	3,186,650	400,000	125,000	0	0	0	0
SCADA Information Management	1,100,000	0	250,000	750,000	100,000	0	0	0
Tank Painting	5,600,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
US 40 and Rt 159 SHA Water Relocat	3,900,000	3,800,000	100,000	0	0	0	0	0
US 40 Water Main Replacement	2,200,000	0	200,000	2,000,000	0	0	0	0
Water & Sewer Infrastructure Improvement Projects	6,000,000	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Water Meter Upgrade	2,710,000	1,210,000	250,000	250,000	250,000	250,000	250,000	250,000
Water Tank Design and Construction	5,700,000	0	300,000	0	400,000	5,000,000	0	0
Water Zone Improvements	1,430,000	600,000	230,000	200,000	0	200,000	0	200,000
<b>Outyear Projects:</b>								
Central W&S Laboratory	400,000	0	0	0	400,000	0	0	0
Oak Grove Booster Station	330,000	0	0	330,000	0	0	0	0
<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	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
Fuel Dispensing System Upgrade	120,000	120,000	0	0	0	0	0	0
HMAN	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
Replacement of Water Booster Station SCADA	1,500,000	1,500,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equip	649,000	649,000	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 Mana	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 System Model Study	300,000	300,000	0	0	0	0	0	0
<b>Water Total by Project</b>	<b>154,799,650</b>	<b>116,939,650</b>	<b>5,980,000</b>	<b>12,280,000</b>	<b>4,675,000</b>	<b>8,475,000</b>	<b>3,275,000</b>	<b>3,175,000</b>
<b>Paygo</b>	<b>35,639,094</b>	<b>16,309,094</b>	<b>4,380,000</b>	<b>3,750,000</b>	<b>2,775,000</b>	<b>2,875,000</b>	<b>2,675,000</b>	<b>2,875,000</b>
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	16,690,000	0	1,260,000	8,230,000	1,600,000	5,300,000	300,000	0
Prior Bonds	98,312,460	98,312,460	0	0	0	0	0	0
Reappropriated	2,018,096	2,018,096	0	0	0	0	0	0
State	340,000	300,000	40,000	0	0	0	0	0
Developer	1,800,000	0	300,000	300,000	300,000	300,000	300,000	300,000
<b>Water Total by Fund</b>	<b>154,799,650</b>	<b>116,939,650</b>	<b>5,980,000</b>	<b>12,280,000</b>	<b>4,675,000</b>	<b>8,475,000</b>	<b>3,275,000</b>	<b>3,175,000</b>

FY 19 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>WATER &amp; SEWER FUND</u>													
<u>WATER PROJECTS</u>													
Abingdon Water Treatment Plant PH Control System	250,000	0	0	0	250,000	0	0	0	0	0	0	0	0
Efficiency Capital Investment Project	65,000	0	25,000	0	0	0	0	0	40,000	0	0	0	0
Fleet Maintenance Facility	110,000	0	0	0	110,000	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
Havre de Grace Water Treatment Plant Upgrade	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Infrastructure Management System Enhancements	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Perryman GAC Plant Improvements	500,000	0	500,000	0	0	0	0	0	0	0	0	0	0
Perryman Wellfield Improvements	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Refresh Program	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Renewal and Replacement Water Infrastructure	300,000	0	0	0	300,000	0	0	0	0	0	0	0	0
Safeguarding Business Operations	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
SCADA Information Management Systems	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Tank Painting	800,000	0	800,000	0	0	0	0	0	0	0	0	0	0
US 40 and Rt. 159 SHA Water Relocation	100,000	0	0	0	100,000	0	0	0	0	0	0	0	0
US 40 Water Main Replacement	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Water and Sewer Infrastructure Improvements Projects	1,000,000	0	700,000	0	0	0	0	0	0	0	0	300,000	0
Water Meter Upgrade	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Water Tank Design and Construction	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Water Zone Improvements	230,000	0	230,000	0	0	0	0	0	0	0	0	0	0
<b>SUB-TOTAL WATER PROJECTS</b>	<b>5,980,000</b>	<b>0</b>	<b>4,380,000</b>	<b>0</b>	<b>1,260,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>

**PROJECT: Abingdon Water Treatment Plant pH control System**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**W196130**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for the design of a new pH and alkalintiy control system at the Abingdon Water Treatment Plant.



**PROJECT SCHEDULE:**

Design fall of 2018 thru Spring of 2019  
Construction Fall 2019 through Sprng of 2020

**PROJECT STATUS:**

This project is new.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		250,000	250,000						250,000
Land Acquisition			0						0
Construction			0	2,500,000					2,500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>250,000</b>	<b>250,000</b>	<b>2,500,000</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>2,750,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		250,000	250,000	2,500,000					2,750,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>250,000</b>	<b>250,000</b>	<b>2,500,000</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>2,750,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$6,700  
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: 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:**

FY 19 Complete lighting retrofit at Aberdeen Water Treatment Plant, Perryman and Havre de Grace Water Treatment Plant  
 FY 19-20 Complete Building Energy Performance Assessments  
 All years - Implement Energy Efficient Measures

**PROJECT STATUS:**

This project is ongoing.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		25,000	25,000						25,000
Land Acquisition			0						0
Construction	180,000	15,000	195,000						195,000
Inspection Fees			0						0
Equipment/Furnishing	120,000	25,000	145,000						145,000
<b>Total Cost</b>	<b>300,000</b>	<b>65,000</b>	<b>365,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>365,000</b>

**FUNDING SCHEDULE**

R3399 State Other	300,000	40,000	340,000						340,000
R8750 Paygo		25,000	25,000						25,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>65,000</b>	<b>365,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>365,000</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 2/1/18:**

Expended	182,500
Encumbered	0
<b>Total</b>	<b>\$182,500</b>

**PROJECT: Fleet Maintenance Facility**

**WATER**

**COUNCIL DISTRICT: C**

**LOCATION: Various**

**O186037**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for engineering and design of a new Fleet Maintenance/Radio Shop facility. The facility was listed as a high priority in the Countywide Facilities Master Plan Study. Includes plans to collaborate with the Board of Education.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	30,000	110,000	140,000						140,000
Land Acquisition			0						0
Construction			0	1,000,000					1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>30,000</b>	<b>110,000</b>	<b>140,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,140,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	30,000		30,000						30,000
R7000 Future Bonds		110,000	110,000	1,000,000					1,110,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>30,000</b>	<b>110,000</b>	<b>140,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,140,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$3,752  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended 0  
 Encumbered 0  
**Total \$0**

**PROJECT: Fleet Replacement**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**O126727**

**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.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	4,262,000	800,000	5,062,000	800,000	800,000	800,000	800,000	800,000	9,062,000
<b>Total Cost</b>	<b>4,262,000</b>	<b>800,000</b>	<b>5,062,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>9,062,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	4,128,621	800,000	4,928,621	800,000	800,000	800,000	800,000	800,000	8,928,621
R8770 Reappropriated	133,379		133,379						133,379
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,262,000</b>	<b>800,000</b>	<b>5,062,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>9,062,000</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 2/1/18:**

Expended	2,989,968
Encumbered	242,989
<b>Total</b>	<b><u>\$3,232,957</u></b>

**PROJECT: Havre de Grace Water Treatment Plant Upgrade**

**WATER**

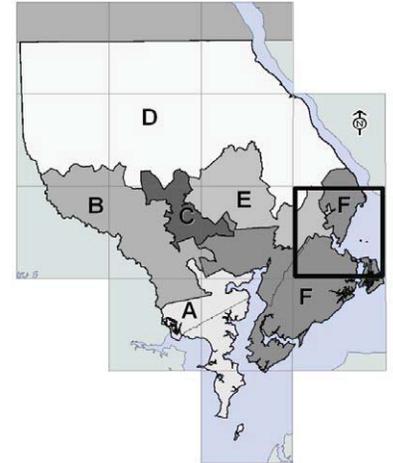
**COUNCIL DISTRICT: F**

**LOCATION: Havre de Grace**

**W196141**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall allow for plant improvements required throughout the plant due to technology and regulatory requirements, in addition to aging equipment.



**PROJECT SCHEDULE:**

Raw Water Intake Design and minor outfall piping changes Fall 2018  
 FY 20 Construction

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		150,000	150,000						150,000
Land Acquisition			0						0
Construction			0	1,000,000					1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,150,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		150,000	150,000	1,000,000					1,150,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,150,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$4,020  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended 0  
 Encumbered 0  
**Total \$0**

**PROJECT: Infrastructure Management System Enhancements**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Water and Sewer**

**W186045**

**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 into 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". In the future this project will be used for asset risk assessment and condition assessment.



**PROJECT SCHEDULE:**

Winter 2018 Asset Registry update  
Spring 2019 Implementation of CityWorks

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	300,000	50,000	350,000	50,000	50,000	50,000	50,000	50,000	600,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		0	0						0
<b>Total Cost</b>	<b>300,000</b>	<b>50,000</b>	<b>350,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>600,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	300,000	50,000	350,000	50,000	50,000	50,000	50,000	50,000	600,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>300,000</b>	<b>50,000</b>	<b>350,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</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 2/1/18:**

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

**PROJECT: Perryman GAC Plant Improvements**

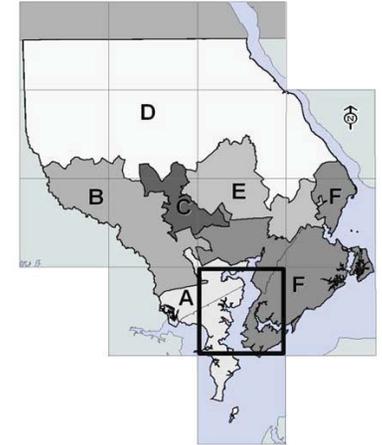
**WATER  
W186046**

**COUNCIL DISTRICT: F**

**LOCATION: Perryman**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the design and installation of new valves and flow metering at the Perryman Water Treatment plant. 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. This project will replace the valves and install a flow 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.



**PROJECT SCHEDULE:**

Valve Installation FY18 & FY 19  
Flow Metering Installation FY19

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	0		0						0
Land Acquisition			0						0
Construction	500,000	500,000	1,000,000						1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>500,000</b>	<b>500,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	500,000		500,000		0	0			500,000
R8750 Paygo		500,000	500,000						500,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>500,000</b>	<b>500,000</b>	<b>1,000,000</b>	<b>0</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 2/1/18:**

Expended	82,680
Encumbered	70,265
<b>Total</b>	<b><u>\$152,945</u></b>

**PROJECT: Perryman Wellfield Improvements**

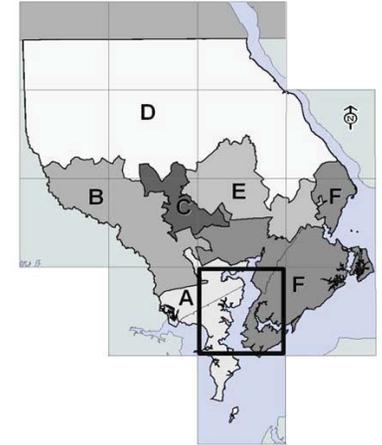
**WATER  
W186056**

**COUNCIL DISTRICT: F**

**LOCATION: Perryman**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the design and construction of new wells and wellhouses for four wells in the Perryman well system. Wells and wellhouses are reaching the end of their economic life. In addition, the existing lease with the U.S. Army for the wells that are located just inside the U.S. Government property will greatly improve our ability to operate and maintain the wells. The raw water pipes and power utilities will remain and lease/easement is still required.



**PROJECT SCHEDULE:**

Hydrogeological Study & Design FY 18 & 19

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	200,000	150,000	350,000						350,000
Land Acquisition			0						0
Construction		0	0						0
Inspection Fees		0	0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>200,000</b>	<b>150,000</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	200,000		200,000			0			200,000
R7000 Future Bonds		150,000	150,000						150,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>150,000</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): 0

**Financial Activity as of 2/1/18:**

Expended 0  
 Encumbered 0  
 Total \$0

**PROJECT: Refresh Program**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**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:**

Increase monies required as more departments going to mobile devices in addition to desktop computer equipment. Examples, Building inspectors, Kiosk for firehouses and mobile equipment for ambulances.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	467,000	75,000	542,000	75,000	75,000	75,000	75,000	75,000	917,000
<b>Total Cost</b>	<b>467,000</b>	<b>75,000</b>	<b>542,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>917,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	467,000	75,000	542,000	75,000	75,000	75,000	75,000	75,000	917,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>467,000</b>	<b>75,000</b>	<b>542,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>917,000</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 2/1/18:**

Expended	400,310
Encumbered	3,194
<b>Total</b>	<b>\$403,504</b>

**PROJECT: Renewal and Replacement Water Infrastructure**

**WATER  
W126723**

**COUNCIL DISTRICT: MULTIPLE                      LOCATION: Various**

**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 thru studies, rate of failure, age and/or material longevity expectation.



**PROJECT SCHEDULE:**

Upgrades to Hydrants Spring and Summer 2018 and ongoing  
 Upgrades to Back flow preventer Vaults Summer and Fall 2018 and 2019 and ongoing  
 Design for Relining of Briarhill Estates 20 inch PVC Transmission Main  
 Design for Relining Reagent Drive Area Water Main

**PROJECT STATUS:**

This project is ongoing to replace aged infrastructure

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	100,000	100,000	200,000	100,000					300,000
Land Acquisition			0						0
Construction	300,000	200,000	500,000	1,300,000	800,000	300,000	300,000		3,200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>400,000</b>	<b>300,000</b>	<b>700,000</b>	<b>1,400,000</b>	<b>800,000</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>3,500,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	400,000		400,000						400,000
R7000 Future Bonds		300,000	300,000	1,400,000	800,000	300,000	300,000		3,100,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>400,000</b>	<b>300,000</b>	<b>700,000</b>	<b>1,400,000</b>	<b>800,000</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>3,500,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$8,040  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended	1,210
Encumbered	0
<b>Total</b>	<b>\$1,210</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:**

Request for this year will cover the balance of ERP cost, other misc mainframe sunset projects, data storage solution including consolidation of the two data centers and replacing 25 network switches in the Firehouses that are reaching end of life.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	3,186,650	400,000	3,586,650	125,000					3,711,650
<b>Total Cost</b>	<b>3,186,650</b>	<b>400,000</b>	<b>3,586,650</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,711,650</b>

**FUNDING SCHEDULE**

R8750 Paygo	3,186,650	400,000	3,586,650	125,000					3,711,650
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,186,650</b>	<b>400,000</b>	<b>3,586,650</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,711,650</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 2/1/18:**

Expended	2,344,717
Encumbered	296,214
<b>Total</b>	<b><u>\$2,640,931</u></b>

**PROJECT: SCADA Information Management Systems**

**WATER  
W196144**

**COUNCIL DISTRICT: MULTIPLE                      LOCATION: Various**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for the study, design, and installation of a information management system that will safely collect store, archive retrieve and create reports for all of the data generated by the Water and Sewer Division. The Division currently has separate SCADA and systems at each facility. There is no uniformity or central database for the retrieval of information and report generation. This project would study, design, and install a secure system.



**PROJECT SCHEDULE:**

Evaluate existing systems and develop design for solutions fall of 2018  
Installation and integration of new data management system  
Programming and reports development

**PROJECT STATUS:**

This project is New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		250,000	250,000						250,000
Land Acquisition			0						0
Construction			0	750,000	100,000				850,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>250,000</b>	<b>250,000</b>	<b>750,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,100,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		250,000	250,000	750,000	100,000				1,100,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>250,000</b>	<b>250,000</b>	<b>750,000</b>	<b>100,000</b>	<b>0</b>	<b>0</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**

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

**PROJECT: Tank Painting**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**W176668**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides the Division of Water & Sewer 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 assets. A typical tank painting system will last 10 to 12 years.



**PROJECT SCHEDULE:**

Schedule changing due to Country Walk Tank Failure  
FY 19 Otter Point Tank

**PROJECT STATUS:**

This is an ongoing project to maintain the County's Water Tanks.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	800,000	800,000	1,600,000	800,000	800,000	800,000	800,000	800,000	5,600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>800,000</b>	<b>800,000</b>	<b>1,600,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>5,600,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	800,000	800,000	1,600,000	800,000	800,000	800,000	800,000	800,000	5,600,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>800,000</b>	<b>800,000</b>	<b>1,600,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>800,000</b>	<b>5,600,000</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 2/1/18:**

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

**PROJECT: US 40 and Rt. 159 SHA Water Relocation**

**WATER**

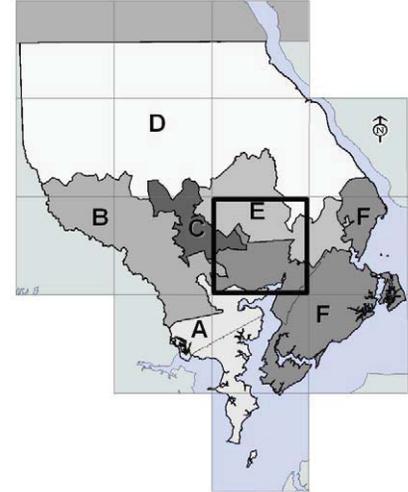
**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Perryman**

**W166375**

**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

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	2,600,000		2,600,000						2,600,000
Land Acquisition			0						0
Construction	1,200,000	100,000	1,300,000		0				1,300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>3,800,000</b>	<b>100,000</b>	<b>3,900,000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,900,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	3,800,000		3,800,000						3,800,000
R7000 Future Bonds		100,000	100,000		0				100,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,800,000</b>	<b>100,000</b>	<b>3,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,900,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$104,520  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 1,662,645  
 Encumbered 1,221,566  
**Total \$2,884,211**

**PROJECT: US 40 Water Main Replacement**

**WATER**

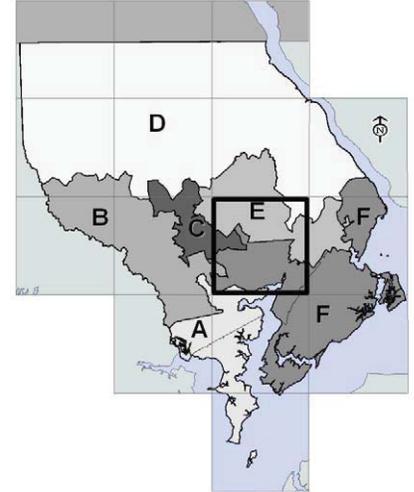
**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Aberdeen**

**W196149**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will allow for the design and construction of a parallel or replacement water main along route 40 to replace the existing aged pipe.



**PROJECT SCHEDULE:**

Design FY 19

Construction is anticipated to begin FY20

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		200,000	200,000						200,000
Land Acquisition			0						0
Construction			0	2,000,000					2,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>2,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,200,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds	0	200,000	200,000	2,000,000					2,200,000
			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>2,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,200,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$5,360  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended 0  
 Encumbered 0  
 Total \$0

**PROJECT: Water & Sewer Infrastructure Improvements Projects**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**W196150**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will identify and implement infrastructure improvement projects with the activities of studying, evaluation, designing, and construction.



**PROJECT SCHEDULE:**

Ongoing Program

**PROJECT STATUS:**

Various improvements are continuously being studied, designed and constructed under this account

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000
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>0</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>6,000,000</b>

**FUNDING SCHEDULE**

R8750 Paygo		700,000	700,000	700,000	700,000	700,000	700,000	700,000	4,200,000
R6330 Developer		300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>1,000,000</b>	<b>6,000,000</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 9/30/17:**

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

**PROJECT: Water Meter Upgrade**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**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  
 Large meter evaluation FY 19  
 Large meter replacement FY 20



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	270,000	250,000	520,000	250,000	250,000	250,000	250,000	250,000	1,770,000
Inspection Fees			0						0
Equipment/Furnishing	940,000		940,000						940,000
<b>Total Cost</b>	<b>1,210,000</b>	<b>250,000</b>	<b>1,460,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>2,710,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,210,000	250,000	1,460,000	250,000	250,000	250,000	250,000	250,000	2,710,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,210,000</b>	<b>250,000</b>	<b>1,460,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>2,710,000</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 2/1/18:**

Expended	1,079,716
Encumbered	7,366
<b>Total</b>	<b>\$1,087,082</b>

**PROJECT: Water Tank Design and Construction**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**W196152**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides for the study, land acquisition, design, and construction of a new water storage tank in Zone I (Trimble Road and Swan Harbor areas) or Zone IV (Hickory area) to meet Adequate Public Facility (APF) requirements for potential development.



**PROJECT SCHEDULE:**

Study 2019

**PROJECT STATUS:**

This project is water modelling dependent.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		300,000	300,000		400,000				700,000
Land Acquisition			0						0
Construction			0			5,000,000			5,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>400,000</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>5,700,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0		400,000	5,000,000			5,400,000
R8750 Paygo		300,000	300,000						300,000
			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>400,000</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>5,700,000</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**

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

**PROJECT: Water Zone Improvements**

**WATER  
W146660**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project allows for the design, construction, and/or installation of water mains, controls, safety improvements, back flow preventers, and equipment as needed within Harford County's water service area. This project also allows for water piping loops and/or upsizing of pipes within the system that benefit an entire service area.

**PROJECT SCHEDULE:**

Control upgrades at the Woodsdale Booster station  
Control upgrades at the Perryman WTP  
Hickory Commercial water line



**PROJECT STATUS:**

This is an ongoing project to maintain the condition of critical water infrastructure

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	50,000	50,000	100,000	50,000		50,000		50,000	250,000
Land Acquisition			0						0
Construction	550,000	180,000	730,000	150,000		150,000		150,000	1,180,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>600,000</b>	<b>230,000</b>	<b>830,000</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>1,430,000</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	300,000		300,000						300,000
R8750 Paygo	300,000	230,000	530,000	200,000		200,000		200,000	1,130,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>600,000</b>	<b>230,000</b>	<b>830,000</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>200,000</b>	<b>1,430,000</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 2/1/18:**

Expended	145,039
Encumbered	0
<b>Total</b>	<b>\$145,039</b>

# **OUTYEAR PROJECTS**

**FY 20 - FY 24**

**PROJECT: Central W&S Laboratory**

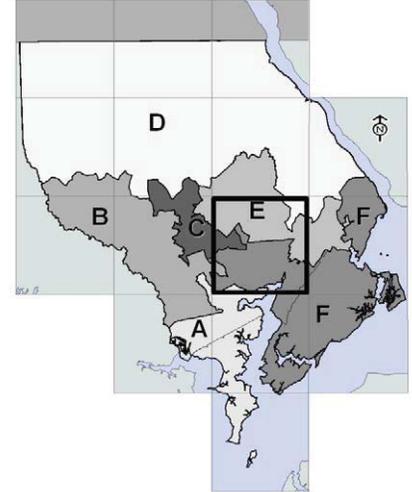
**WATER  
NEW**

**COUNCIL DISTRICT: F**

**LOCATION: Abingdon**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funds for the study and design of a central consolidated laboratory for the Division of Water and Sewer. The central laboratory will allow the consolidation of laboratory staffing and testing into one central facility for efficiency of staff and improved management. The lab will be a combined water and wastewater lab located on the site of the Water and Sewer central office building.



**PROJECT SCHEDULE:**

Planning and Design: Spring 2021

**PROJECT STATUS:**

New

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0		400,000				400,000
Land Acquisition			0						0
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>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0		400,000				400,000
			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>400,000</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**

Expended  
 Encumbered  
 Total                      \$0

**PROJECT: Oak Grove Booster Station**

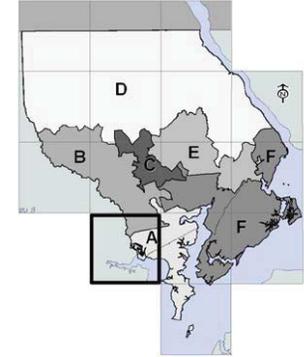
**WATER  
NEW**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Magnolia**

**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:**

Developer Dependent

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	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>330,000</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
<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**

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

# OPEN/ACTIVE PROJECTS

**PROJECT: Abingdon Road Water**

**WATER**

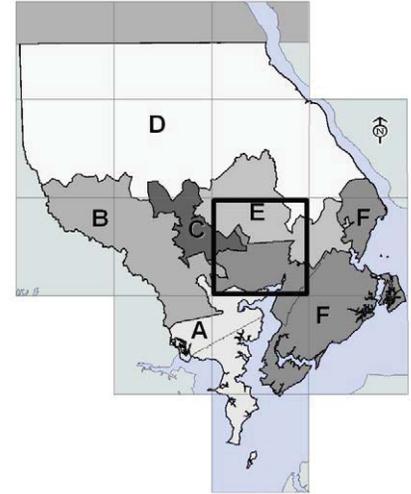
**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Abingdon**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	271,540
Encumbered	22,785
<b>Total</b>	<b>\$294,325</b>

**PROJECT: Abingdon WTP Expansion**

**WATER**

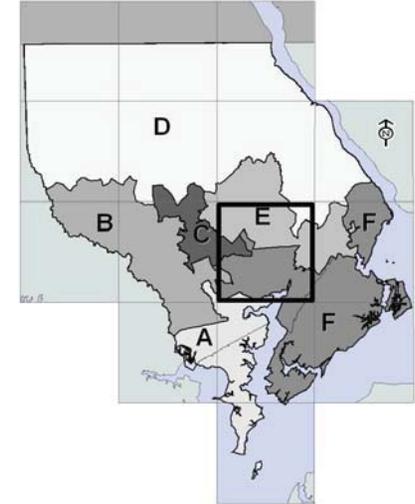
**COUNCIL DISTRICT: F**

**LOCATION: Abingdon**

**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:**

**PROJECT STATUS:**

Close out Administrative building

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 75,986,192  
 Encumbered 0  
**Total \$75,986,192**

**PROJECT: City of Baltimore - Deer Creek Pump Station and Valve Improvements**

**WATER**

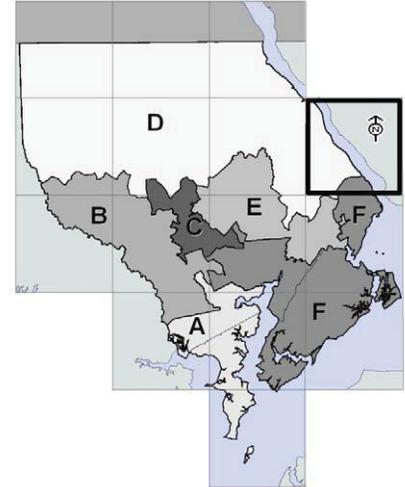
**COUNCIL DISTRICT: D**

**LOCATION: Darlington**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 3,093,141  
 Encumbered 144,708  
**Total \$3,237,849**

**PROJECT: City of Baltimore Raw Water Supply**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<b>Total Cost</b>	<b>3,300,000</b>	<b>0</b>	<b>3,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,300,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	3,300,000		3,300,000						3,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,300,000</b>	<b>0</b>	<b>3,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,300,000</b>

**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 2/1/18:**

Expended	1,219,562
Encumbered	36,214
<b>Total</b>	<b><u>\$1,255,776</u></b>

**PROJECT: Construction Unanticipated 12**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	231,147
Encumbered	68,577
<b>Total</b>	<b>\$299,724</b>

**PROJECT: Construction Unanticipated 15**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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
<b>Total Cost</b>	<b>460,000</b>	<b>0</b>	<b>460,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>460,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	460,000		460,000						460,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>460,000</b>	<b>0</b>	<b>460,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>460,000</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 2/1/18:**

Expended	220,442
Encumbered	37,367
<b>Total</b>	<b>\$257,809</b>

**PROJECT: Fuel Dispensing System Upgrade**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**O146738**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	120,000		120,000						120,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>120,000</b>		<b>120,000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	120,000		120,000						120,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>120,000</b>		<b>120,000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</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 2/1/18:**

Expended	120,000
Encumbered	0
<b>Total</b>	<b>\$120,000</b>

**PROJECT: Harford County Metro Area Network (HMAN)**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,220,000	0	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 2/1/18:**

Expended	1,126,353
Encumbered	33,272
<b>Total</b>	<b>\$1,159,625</b>

**PROJECT: Magnolia Booster Station**

**WATER**

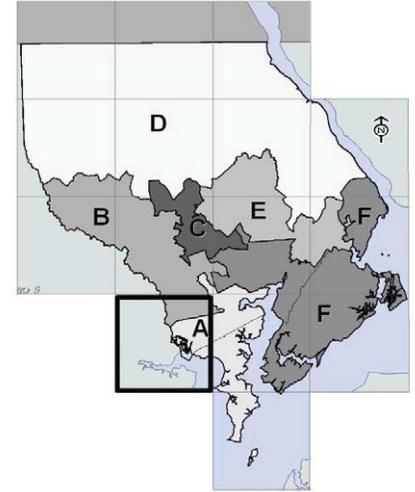
**COUNCIL DISTRICT: A**

**LOCATION: Magnolia**

**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:**

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 142,771  
 Encumbered 25,291  
**Total \$168,062**

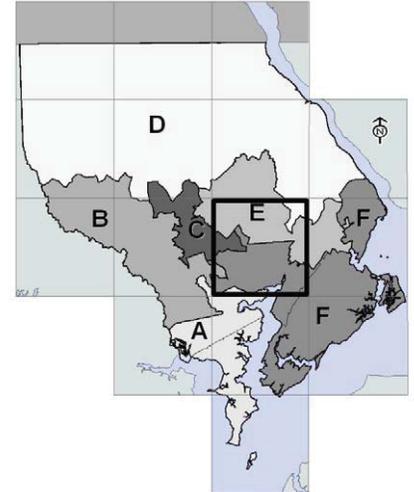
**PROJECT: Replacement of Water Booster Station SCADA**

**WATER  
W156492**

**COUNCIL DISTRICT: MULTIPLE                      LOCATION: Abingdon**

**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:**

Construction 2018

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>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	1,200,000		1,200,000						1,200,000
R8750 Paygo	300,000		300,000						300,000
			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 2/1/18:**

Expended                      125,975  
 Encumbered                 129,525  
**Total                                 \$255,500**

**PROJECT: 700 MHz Wireless Radio System Equipment**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**O126728**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides funds for Water and Sewer's share of the 700 MHz radio 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 BRAC related, 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 2016 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	
Engineering/Design	103,000		103,000						103,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	546,000		546,000						546,000
<b>Total Cost</b>	<b>649,000</b>	<b>0</b>	<b>649,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>649,000</b>

**FUNDING SCHEDULE**

R8089 Reappropriated Paygo	103,000		103,000						103,000
R8750 Paygo	546,000		546,000						546,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>649,000</b>	<b>0</b>	<b>649,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>649,000</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 2/1/18:**

Expended	607,660
Encumbered	
<b>Total</b>	<b><u>\$607,660</u></b>

**PROJECT: Tank Painting FY 15**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**W156668**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project provides the Division of Water & Sewer 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:**

The tank painting schedule has shifted due to the Coutry Walk Tank failure

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	800,000		800,000						800,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>800,000</b>	<b>0</b>	<b>800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800,000</b>

**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
<b>Total Funds</b>	<b>800,000</b>	<b>0</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 2/1/18:**

Expended	481,461
Encumbered	44,332
<b>Total</b>	<b>\$525,793</b>

**PROJECT: Tank Painting FY 16**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**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 schedule has shifted due to the Country Walk Tank failure

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

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

**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:**

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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	3,425
Encumbered	0
<b>Total</b>	<b>\$3,425</b>

**PROJECT: Water and Sewer Billing Project**

**WATER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**O156007**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

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

**PROJECT: Water System Model Study**

**WATER  
W176018**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Countywide**

**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:**

Update model FY 2019

Update model FY 2019

**PROJECT STATUS:**

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2018.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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**

R8770 Reappropriated	300,000		300,000						300,000
			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: N/A  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

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

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HARFORD COUNTY, MARYLAND  
APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR		FIVE YEAR CAPITAL PROGRAM			
			FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
<b>SEWER PROJECTS</b>								
<b><u>FY 19 Funded Projects:</u></b>								
Bio Solids Facilities Enhancements	13,150,000	4,900,000	4,000,000	0	4,250,000	0	0	0
Brentwood Park Pumping Station Improvements	1,450,000	200,000	1,250,000	0	0	0	0	0
Delta WWTP Plant Upgrades	225,000	200,000	25,000	0	0	0	0	0
Fallston Area Sewer	3,800,000	0	3,800,000	0	0	0	0	0
Freys Road Sewer Petition	800,000	0	800,000	0	0	0	0	0
Hickory Sewer Infrastructure Improvement Project	3,000,000	0	3,000,000	0	0	0	0	0
Infiltration and Inflow	650,000	350,000	100,000	0	100,000	0	100,000	0
Inventory Storage and Control Improvements	5,635,000	85,000	300,000	3,200,000	2,050,000	0	0	0
Pumping Station Improvements	1,065,000	65,000	200,000	200,000	200,000	200,000	200,000	0
Renewal and Replacement Sewer Infrastructure	2,000,000	800,000	300,000	300,000	300,000	300,000	0	0
Sod Run Facility Improvements	7,400,000	3,100,000	1,300,000	1,000,000	700,000	1,000,000	300,000	0
Sod Run WWTP Ultraviolet Disinfection Project	3,200,000	200,000	3,000,000	0	0	0	0	0
Town Center Drive Pump Station Replacement	585,000	350,000	235,000	0	0	0	0	0
Utility Protection/Restoration	1,700,000	700,000	200,000	200,000	200,000	200,000	200,000	0
<b><u>Outyear Projects:</u></b>								
Bill Bass PS FM Replacement	11,200,384	900,384	0	4,100,000	0	6,200,000	0	0
Edgewood Interceptor Sewer Parallel	4,250,000	650,000	0	0	0	0	3,600,000	0
Lower Bynum Run Interceptor Phase 6&7	18,120,324	12,120,324	0	0	0	2,500,000	3,500,000	0
Plum Tree Collector Sewer and Pumping Station	6,000,000	0	0	0	0	600,000	5,400,000	0
<b><u>Open Projects:</u></b>								
Bush Creek Pump Station	28,400,000	28,400,000	0	0	0	0	0	0
Bynum Ridge Replacement Sewer	800,000	800,000	0	0	0	0	0	0
Harford WWTP Facility Improvements	885,000	885,000	0	0	0	0	0	0
Oaklyn Manor/Joppa Area Sewer Relief	1,950,300	1,950,300	0	0	0	0	0	0
Ring Factory PS & Fairwind Farms Abandonment	1,465,000	1,465,000	0	0	0	0	0	0
<b>Sewer Total by Project</b>	<b>117,731,008</b>	<b>58,121,008</b>	<b>18,510,000</b>	<b>9,000,000</b>	<b>7,800,000</b>	<b>11,000,000</b>	<b>13,300,000</b>	<b>0</b>
Paygo	18,866,450	8,756,450	2,160,000	3,900,000	2,850,000	700,000	500,000	0
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	49,500,000	0	16,350,000	5,100,000	4,950,000	10,300,000	12,800,000	0
Prior Bonds		46,892,256	0	0	0	0	0	0
Reappropriated	1,042,002	1,042,002	0	0	0	0	0	0
State	0	0	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	180,000	180,000	0	0	0	0	0	0
<b>Sewer Total by Fund</b>	<b>117,731,008</b>	<b>58,121,008</b>	<b>18,510,000</b>	<b>9,000,000</b>	<b>7,800,000</b>	<b>11,000,000</b>	<b>13,300,000</b>	<b>0</b>

FY 19 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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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	1,250,000	0	0	0	1,250,000	0	0	0	0	0	0	0	0
Delta WWTP Plant Upgrades	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Fallston Area Sewer	3,800,000	0	0	0	3,800,000	0	0	0	0	0	0	0	0
Freys Road Sewer Petition	800,000	0	800,000	0	0	0	0	0	0	0	0	0	0
Hickory Sewer Infrastructure Improvement Project	3,000,000	0	0	0	3,000,000	0	0	0	0	0	0	0	0
Infiltration and Inflow	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Inventory Storage and Control Improvements	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Pumping Station Improvements	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Renewal and Replacement Sewer Infrastructure	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Sod Run Facility Improvements	1,300,000	0	0	0	1,300,000	0	0	0	0	0	0	0	0
Sod Run WWTP Ultraviolet Disinfection Project	3,000,000	0	0	0	3,000,000	0	0	0	0	0	0	0	0
Town Center Drive Pump Station Replacement	235,000	0	235,000	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>18,510,000</b>	<b>0</b>	<b>2,160,000</b>	<b>0</b>	<b>16,350,000</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. Bio solids (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 bio solids.



**PROJECT SCHEDULE:**

FY 18 & FY 19 Construction

**PROJECT STATUS:**

Design Complete Fall of 2018

Construction Beginning Fall of 2018 into 2019

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,125,000	225,000	1,350,000		250,000				1,600,000
Land Acquisition			0						0
Construction	3,500,000	3,500,000	7,000,000		4,000,000				11,000,000
Inspection Fees	275,000	275,000	550,000						550,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>4,900,000</b>	<b>4,000,000</b>	<b>8,900,000</b>	<b>0</b>	<b>4,250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,150,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		4,000,000	4,000,000		4,250,000				8,250,000
R8750 Paygo	200,000		200,000						200,000
R7100 Prior Bonds	4,700,000		4,700,000						4,700,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>4,900,000</b>	<b>4,000,000</b>	<b>8,900,000</b>	<b>0</b>	<b>4,250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,150,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$233,160  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 155,736  
 Encumbered 453,710  
**Total \$609,446**

**PROJECT: Brentwood Park Pumping Station Improvements**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**S186057**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction	100,000	1,250,000	1,350,000						1,350,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>200,000</b>	<b>1,250,000</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**

R8750 Paygo	200,000		200,000						200,000
R7000 Future Bonds		1,250,000	1,250,000						1,250,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>1,250,000</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: \$33,500  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

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

**PROJECT: Delta WWTP Plant Upgrades**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Delta, PA**

**S186074**

**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:**

**PROJECT STATUS:**

The project scope is currently being finalized by the Delta Authority Engineer.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	200,000	25,000	225,000						225,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>200,000</b>	<b>25,000</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	200,000	25,000	225,000						225,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>25,000</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 2/1/18:**

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

**PROJECT: Fallston Area Sewer**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**S196165**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project includes design and construction for rehabilitation of existing sewer mains and pumping stations as defined in the Fallston Sewer Capacity Study, and upgrades to the mains and pumping stations required to serve future growth. The costs for the upgrades will be reimbursed to the County through surcharges from future growth in this area.

**PROJECT SCHEDULE:**

Engineering and Design FY 19



**PROJECT STATUS:**

This project is new.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				2020	2021	2022	2023	2024	
Engineering/Design		425,000	425,000						425,000
Land Acquisition			0						0
Construction		3,375,000	3,375,000						3,375,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>3,800,000</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>

**FUNDING SCHEDULE**

R7000 Future Bonds		3,800,000	3,800,000						3,800,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>3,800,000</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: \$101,840  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended  
 Encumbered  
 Total \$0

**PROJECT: Freys Road Sewer Petition**

**SEWER**

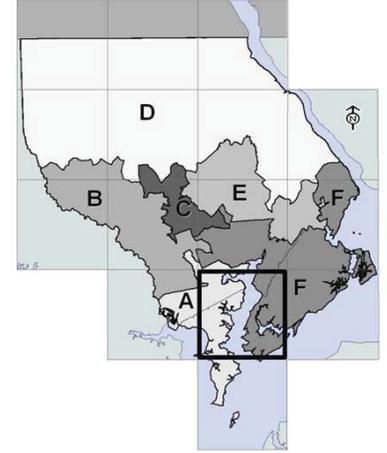
**COUNCIL DISTRICT: A**

**LOCATION: Edgewood**

**S196190**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This sewer petition will provide the design and construction of a low pressure sewer system and grinder pumps for twelve lots located in the 500 block of Freys Road. This project was initiated by the residents through the petition process and was approved by the County Council in January, 2018.



**PROJECT SCHEDULE:**

Design: Summer of 2018 through Fall 2018  
 Construction in 2019

**PROJECT STATUS:**

This project is new.

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		800,000	800,000						800,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>800,000</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		800,000	800,000						800,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>800,000</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: \$47,074  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of**

Expended  
 Encumbered  
 Total           \$0

**PROJECT: Hickory Sewer Infrastructure Improvement Project**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**S196211**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project will identify and implement infrastructure improvements to include the activities of studying, evaluation, designing and construction. The costs will be reimbursed to the County through surcharges from future growth in this area.



**PROJECT SCHEDULE:**

Engineering and Design FY 19

**PROJECT STATUS:**

This project is new

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design		500,000	500,000						500,000
Land Acquisition			0						0
Construction		2,500,000	2,500,000						2,500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>0</b>	<b>3,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,000,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds		3,000,000	3,000,000						3,000,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>0</b>	<b>3,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,000,000</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: Infiltration and Inflow**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**S106714**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is to identify and locate major sources of infiltration and inflow in the County's major 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.

**PROJECT SCHEDULE:**



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0						0
Construction	200,000	100,000	300,000		100,000		100,000		500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>350,000</b>	<b>100,000</b>	<b>450,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>650,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	291,450	100,000	391,450		100,000		100,000		591,450
R8089 Reappropriated Paygo	58,550		58,550						58,550
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>350,000</b>	<b>100,000</b>	<b>450,000</b>	<b>0</b>	<b>100,000</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 2/1/18:**

Expended	151,398
Encumbered	6,366
<b>Total</b>	<b>\$157,764</b>

**PROJECT: Inventory Storage and Control Improvements**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Sod Run WWTP & Abingdon WWTP**

**S186104**

**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:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	85,000	300,000	385,000	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>85,000</b>	<b>300,000</b>	<b>385,000</b>	<b>3,200,000</b>	<b>2,050,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,635,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	85,000	300,000	385,000	3,200,000	2,050,000				5,635,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>85,000</b>	<b>300,000</b>	<b>385,000</b>	<b>3,200,000</b>	<b>2,050,000</b>	<b>0</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 2/1/18:**

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

**PROJECT: Pumping Station Improvements**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**S186112**

**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:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	65,000	50,000	115,000	50,000	50,000	50,000	50,000		315,000
Land Acquisition			0						0
Construction		150,000	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>65,000</b>	<b>200,000</b>	<b>265,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>1,065,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	65,000	200,000	265,000	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>65,000</b>	<b>200,000</b>	<b>265,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</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 2/1/18:

Expended  
Encumbered  
Total           \$0

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	800,000	300,000	1,100,000	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>300,000</b>	<b>1,100,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>2,000,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	400,000	300,000	700,000	300,000	300,000	300,000			1,600,000
R8089 Reappropriated Paygo	400,000		400,000						400,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>800,000</b>	<b>300,000</b>	<b>1,100,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>0</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 2/1/18:**

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:**

FY 19 Effluent Flow metering improvements



**PROJECT STATUS:**

Bio Solids Study 100 % complete , Grit & Hydraulics Study 100% complete, Grease Study 100% Complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	350,000	200,000	550,000	250,000	150,000	150,000	150,000		1,250,000
Land Acquisition			0						0
Construction	2,750,000	1,100,000	3,850,000	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>1,300,000</b>	<b>4,400,000</b>	<b>1,000,000</b>	<b>700,000</b>	<b>1,000,000</b>	<b>300,000</b>	<b>0</b>	<b>7,400,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	1,500,000		1,500,000						1,500,000
R7100 Prior Bonds	1,600,000		1,600,000						1,600,000
R7000 Future Bonds		1,300,000	1,300,000	1,000,000	700,000	1,000,000	300,000		4,300,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>3,100,000</b>	<b>1,300,000</b>	<b>4,400,000</b>	<b>1,000,000</b>	<b>700,000</b>	<b>1,000,000</b>	<b>300,000</b>	<b>0</b>	<b>7,400,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$77,720  
 Annual Operating/Maintenance Cost: N/A  
 New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 1,470,134  
 Encumbered 48,787  
**Total \$1,518,921**

**PROJECT: Sod Run WWTP Ultraviolet Disinfection Project**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Water and Sewer**

**S186113**

**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:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction		3,000,000	3,000,000						3,000,000
Inspection Fees			0						0
Equipment/Furnishing		0	0						0
<b>Total Cost</b>	<b>200,000</b>	<b>3,000,000</b>	<b>3,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,200,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	200,000		200,000						200,000
R7000 Future Bonds		3,000,000	3,000,000						3,000,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>200,000</b>	<b>3,000,000</b>	<b>3,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,200,000</b>

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: \$80,400  
Annual Operating/Maintenance Cost: N/A  
New Positions (FTE's): N/A

**Financial Activity as of 2/1/18:**

Expended 0  
Encumbered 196,776  
**Total \$196,776**

**PROJECT: Town Center Drive Pump Station Replacement**

**SEWER**

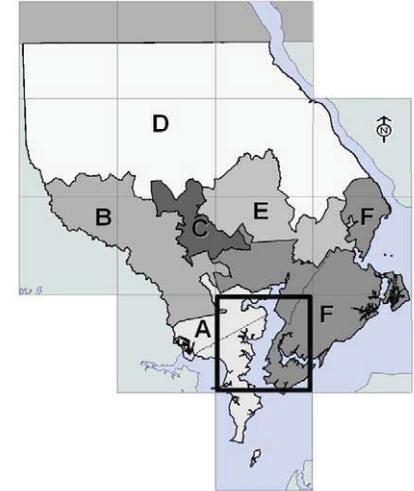
**COUNCIL DISTRICT: A**

**LOCATION: Joppatowne**

**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:**

Construction Spring 2017

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	350,000		350,000						350,000
Land Acquisition			0						0
Construction		235,000	235,000						235,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>350,000</b>	<b>235,000</b>	<b>585,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>585,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	350,000	235,000	585,000						585,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>350,000</b>	<b>235,000</b>	<b>585,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>585,000</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 2/1/18:**

Expended	8,178
Encumbered	67,243
<b>Total</b>	<b><u>\$75,421</u></b>

**PROJECT: Utility Protection/Restoration**

**SEWER**

**COUNCIL DISTRICT: MULTIPLE**

**LOCATION: Various**

**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 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	350,000	100,000	450,000	100,000	100,000	100,000	100,000		850,000
Land Acquisition			0						0
Construction	350,000	100,000	450,000	100,000	100,000	100,000	100,000		850,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>700,000</b>	<b>200,000</b>	<b>900,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>1,700,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	700,000	200,000	900,000	200,000	200,000	200,000	200,000		1,700,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>700,000</b>	<b>200,000</b>	<b>900,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>1,700,000</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 2/1/18:**

Expended	215,880
Encumbered	0
<b>Total</b>	<b>\$215,880</b>

# **OUTYEAR PROJECTS**

**FY 20 - FY 24**

**PROJECT: Bill Bass PS FM Replacement**

**SEWER**

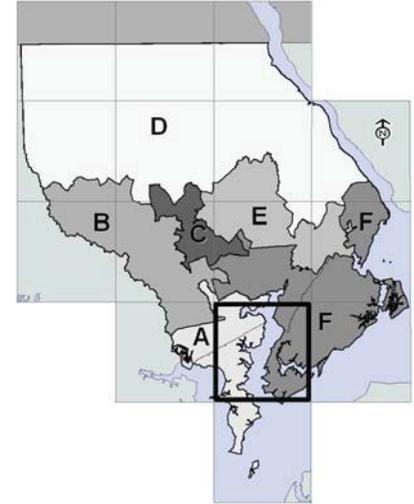
**COUNCIL DISTRICT: A**

**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 force main (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:**

Construction in FY 18 & FY 19

**PROJECT STATUS:**

Project in Preliminary Design Phase

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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>6,200,000</b>	<b>0</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		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>6,200,000</b>	<b>0</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 2/1/18:**

Expended 242,698  
 Encumbered 457,655  
**Total \$700,353**

**PROJECT: Edgewood Interceptor Sewer Parallel**

**SEWER**

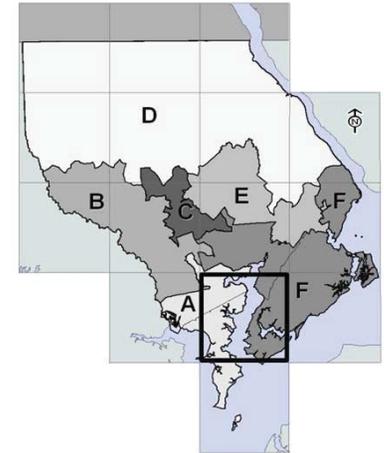
**COUNCIL DISTRICT: A**

**LOCATION: Edgewood**

**S106712**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project shall allow for the design and construction of 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

**PROJECT STATUS:**

Preliminary design complete  
Alternative alignments needed to be evaluated

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	550,000		550,000						550,000
Land Acquisition	100,000		100,000						100,000
Construction			0				3,100,000		3,100,000
Inspection Fees			0				500,000		500,000
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>650,000</b>	<b>0</b>	<b>650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,600,000</b>	<b>0</b>	<b>4,250,000</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	650,000		650,000						650,000
R7000 Future Bonds			0				3,600,000		3,600,000
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>650,000</b>	<b>0</b>	<b>650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,600,000</b>	<b>0</b>	<b>4,250,000</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 2/1/18:**

Expended	181,806
Encumbered	285,313
<b>Total</b>	<b>\$467,119</b>

**PROJECT: Lower Bynum Run Interceptor Phase 6&7**

**SEWER**

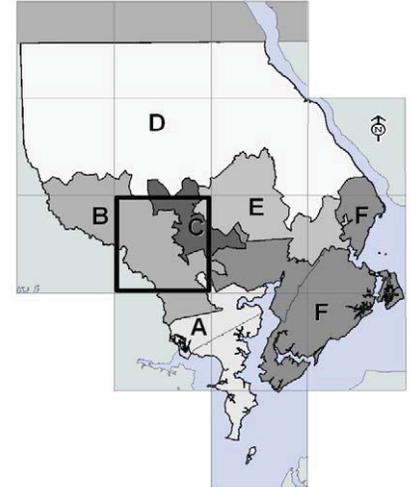
**COUNCIL DISTRICT: C**

**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 18 Construction Phase 7  
Design Phase 6 FY 20

**PROJECT STATUS:**

Phase 7 Currently under construction

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	1,370,000		1,370,000			500,000			1,870,000
Land Acquisition			0						0
Construction	10,750,324		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>12,120,324</b>	<b>0</b>	<b>12,120,324</b>	<b>0</b>	<b>0</b>	<b>2,500,000</b>	<b>3,500,000</b>	<b>0</b>	<b>18,120,324</b>

**FUNDING SCHEDULE**

R7100 Prior Bonds	11,647,154		11,647,154						11,647,154
R7000 Future Bonds	0		0			2,500,000	3,500,000		6,000,000
R8089 Reappropriated Paygo	473,170		473,170						473,170
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>12,120,324</b>	<b>0</b>	<b>12,120,324</b>	<b>0</b>	<b>0</b>	<b>2,500,000</b>	<b>3,500,000</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 2/1/18:**

Expended 7,041,649  
Encumbered 1,701,630  
**Total \$8,743,279**

**PROJECT: Plum Tree Collector Sewer and Pumping Station**

**SEWER**

**COUNCIL DISTRICT: A**

**LOCATION: Bel Air**

**New**

**PROJECT DESCRIPTION / JUSTIFICATION:**

This project is for the upgrade and capacity increase to the Plum Tree Pumping Station and Collector Sewer. The project is needed to provide adequate capacity to growth in the Fallston Sanitary Subdistrict Capacity Study.



**PROJECT SCHEDULE:**

Design in FY 2022  
Construction in FY 2023

**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design			0			600,000	400,000		1,000,000
Land Acquisition			0						0
Construction			0				5,000,000		5,000,000
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>600,000</b>	<b>5,400,000</b>	<b>0</b>	<b>6,000,000</b>

**FUNDING SCHEDULE**

R7000 Future Bonds			0			600,000	5,400,000		6,000,000
			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>600,000</b>	<b>5,400,000</b>	<b>0</b>	<b>6,000,000</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  
Encumbered  
Total                      \$0

# **OPEN/ACTIVE PROJECTS**

**PROJECT: Bush Creek Pump Station**

**SEWER**

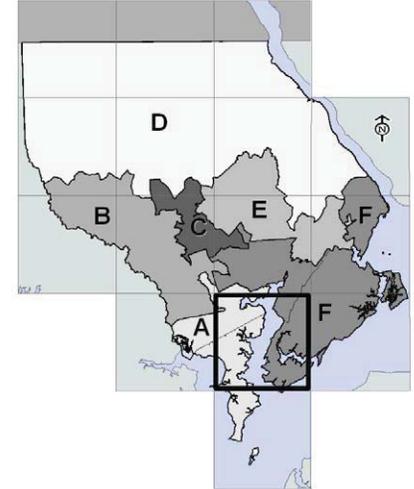
**COUNCIL DISTRICT: A**

**LOCATION: Abingdon**

**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:**

**PROJECT STATUS:**

Gravity sewer and force main construction complete

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended 26,552,266  
 Encumbered 921,656  
**Total \$27,473,922**

**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.

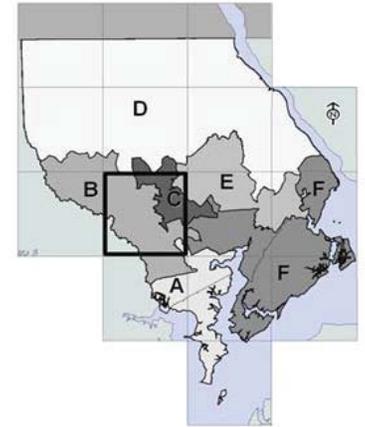
The cost of the project for increase in capacity is the Developer's responsibility and is in accordance with the Rules and Regulations.

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



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	40,000		40,000						40,000
Land Acquisition			0						0
Construction	760,000		760,000						760,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>800,000</b>	<b>0</b>	<b>800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800,000</b>

**FUNDING SCHEDULE**

R8750 Paygo	800,000		800,000						800,000
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>800,000</b>	<b>0</b>	<b>800,000</b>	<b>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 2/1/18:**

Expended	13,082
Encumbered	175
<b>Total</b>	<b>\$13,257</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 bio solids storage 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	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 2/1/18:**

Expended	792,124
Encumbered	0
<b>Total</b>	<b>\$792,124</b>

**PROJECT: Oaklyn Manor/Joppa Area Sewer Relief**

**SEWER**

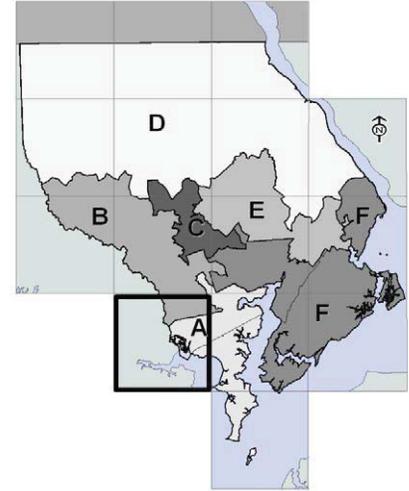
**COUNCIL DISTRICT: A**

**LOCATION: Joppa**

**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.



**PROJECT SCHEDULE:**

**PROJECT STATUS:**

Phase A complete

Phase B on hold; awaiting developer agreement

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
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 2/1/18:**

Expended	1,464,291
Encumbered	0
<b>Total</b>	<b>\$1,464,291</b>

**PROJECT: Ring Factory PS and Fairwind Farms Abandonment**

**SEWER**

**COUNCIL DISTRICT: C**

**LOCATION: Bel Air**

**S152968**

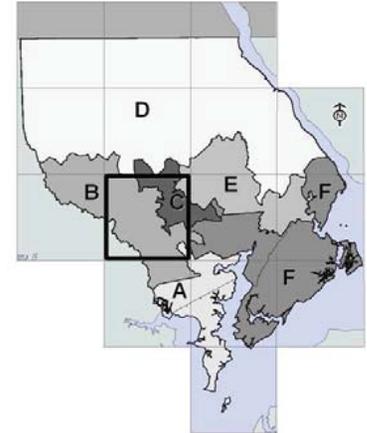
**PROJECT DESCRIPTION / JUSTIFICATION:**

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 (SWS). 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:**

County Abandonment 2017-2018



**PROJECT STATUS:**

**EXPENDITURE SCHEDULE**

Cost Elements	Prior Appropriation	FY 2019 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0						0
Construction	1,315,000		1,315,000						1,315,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
<b>Total Cost</b>	<b>1,465,000</b>	<b>0</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>

**FUNDING SCHEDULE**

R8750 Paygo	1,465,000		1,465,000						1,465,000
			0						0
			0						0
			0						0
			0						0
			0						0
<b>Total Funds</b>	<b>1,465,000</b>	<b>0</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 2/1/18:**

Expended 1,334,040  
 Encumbered 0  
 Total \$1,334,040

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