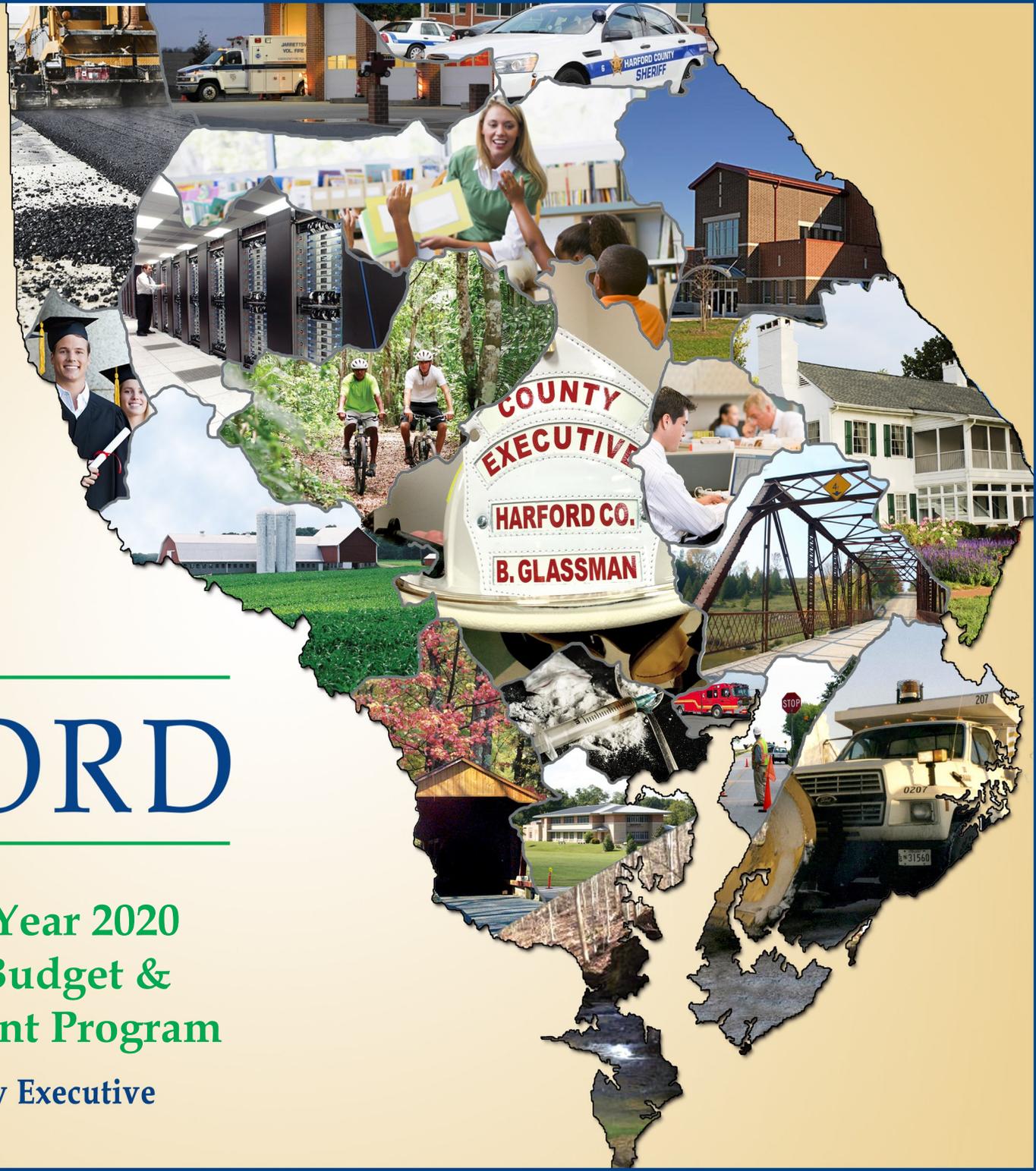


*... leading us on a new path
forward by restoring balance
and fiscal responsibility for
our citizens & employees*



HARFORD

COUNTY

Approved Fiscal Year 2020 Annual Capital Budget & Capital Improvement Program

Barry Glassman, County Executive

HARFORD COUNTY, MARYLAND
APPROVED ANNUAL CAPITAL BUDGET AND CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2019-2020



BARRY GLASSMAN, COUNTY EXECUTIVE

Director of Administration

Billy Boniface

Office of Budget and Efficiency

Kimberly Spence, Chief

Benjamin Lloyd, Senior Budget Analyst
Marlana McKenna, Project Coordinator
Christen Sullivan, Senior Budget Analyst
William T. Watson, Senior Budget Analyst

Treasurer

Robert Sandlass

HARFORD COUNTY COUNCIL

Council President

Patrick S. Vincenti

Andre V. Johnson - District A
Joseph M. Woods - District B
Tony "G" Giangiardano - District C
Chad Shrodes - District D
Robert S. Wagner - District E
Curtis L. Beulah - District F

Harford County Government

Department of Administration, Office of Budget and Efficiency
220 South Main Street, Bel Air, MD 21014
410.638.3129
July, 2019



Elected Officials Harford County Government



**County Executive
Barry Glassman**

Elected Officials

Harford County Council



Andre V. Johnson
District A



Joseph M. Woods
District B



Patrick S. Vincenti
Council President



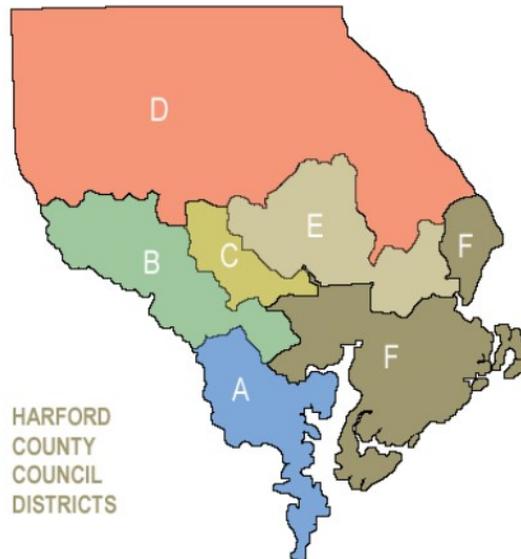
Tony Giangiardano
District C



Chad Shrodes
District D



Robert S. Wagner
District E



Curtis L. Beulah
District F



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
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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 PROPOSED CAPITAL BUDGET AND CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2019-2020
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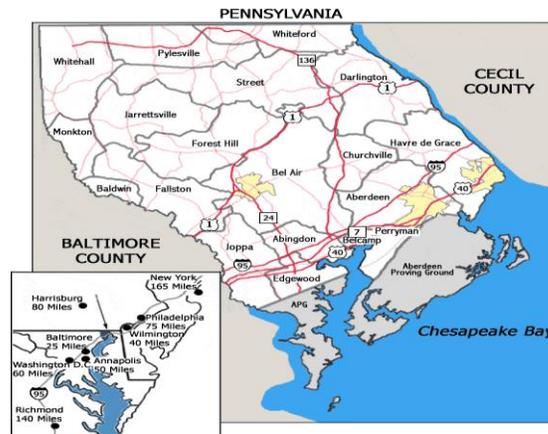
INTRODUCTION

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.

INTRODUCTION

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

VI THE BASIS FOR HARFORD COUNTY'S CAPITAL BUDGET POLICY

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

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

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

INTRODUCTION

A HARFORD COUNTY CHARTER, ARTICLE V, BUDGET AND FINANCE

1 ARTICLE V, BUDGET AND FINANCE

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

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

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

The County may incur debt per the Charter, however:

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

2 PLANNING ADVISORY BOARD

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

INTRODUCTION

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

B ANNOTATED CODE OF MARYLAND – DEBT LIMIT

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

C CODE OF HARFORD COUNTY, MARYLAND – FISCAL IMPACT STATEMENTS

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

D HARFORD COUNTY’S FIVE YEAR BUSINESS PLAN

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

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

INTRODUCTION

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

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

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

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

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

INTRODUCTION

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

VII CAPITAL IMPROVEMENT BUDGET POLICIES

A GENERALLY

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

B FIVE YEAR CAPITAL IMPROVEMENT PROGRAM

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

INTRODUCTION

C FINANCING PROJECTS

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

VIII HARFORD COUNTY'S ADMINISTRATIVE FISCAL POLICIES

A LONG TERM FINANCING TECHNIQUES

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

INTRODUCTION

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

B MULTIPLE USE OF FACILITIES

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

IX HARFORD COUNTY'S ACCOUNTING POLICIES

A FUND CATEGORIES

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

Harford County Government maintains seven individual governmental funds:

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

INTRODUCTION

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

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

B BASIS OF ACCOUNTING

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

INTRODUCTION

C BASIS OF BUDGETING

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

X HARFORD COUNTY'S BUDGET POLICIES

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

A FUND STRUCTURE

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

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

1 PROJECT TYPES

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

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

INTRODUCTION

- Companies, the Board of Education, Harford Community College, and/or the County's Library System.
- b. Highways Projects – are funded with County Highway revenues, Federal, State, Developer, and “Other” funds. The projects include: roads, bridges, resurfacing and other projects which fall under the purview of the County's Department of Public Works.
- c. Parks and Recreation Projects – are those for which the County's Department of Parks and Recreation is directly responsible. They are funded with Parks and Recreation Special Fund revenues, Recordation Tax receipts, Federal, State, and Program Open Space funds.
- d. Water and Sewer Projects – encompass any capital improvements or renovations to the County owned Water and Sewer System. In addition to Federal and State funds, the projects are supported with revenues derived from developers and system customers. County General Funds are not used for these projects.

- 2 CAPITAL FUNDS** - The various “Funds”, used to record the receipt and application of resources for these projects, are appropriated, spent, and recorded separately based on legal requirements, the source, or the nature of the project they provide for. They include:
- a. Pay-As-You-Go – In accordance with the County's Five Year Business Plan and Debt Management policies, Paygo will continue to be used for minor renovation and repair projects which have an asset life of less than ten years.
 - b. General Obligation Bonds – Also known as full faith and credit bonds, their quality and payment is based on the general credit and taxing power of the County. The County must take whatever actions are necessary to assure repayment. Typically, such bonds are used to finance the capital portion of tax supported general public purpose governmental activities with schools, libraries, and public safety buildings being the most common uses of bond proceeds.
 - c. Lease Finance – Arrangements to secure short-term funding for certain renovation/repair projects and equipment purchases.
 - d. Reappropriated – These funds are reallocated from one project to another.
 - e. Program Open Space – These funds are to support recreation opportunities and come from the State of Maryland through the collection of a State Transfer Tax on real property.
 - f. State Aid – State funding to assist Harford County in the financing of various capital projects.
 - g. Recordation Tax – A tax imposed on every instrument of writing recorded or offered for record with the Clerk of Circuit Court (liens, deeds, mortgages, etc.). They are assessed at the rate of \$6.60 per \$1,000 value of the recorded instruments filed with the Clerk of the Circuit Court for Harford County. Of this assessed amount, \$4.40 is dedicated for school debt service first, then new construction or major and capital improvements to existing school facilities. \$1.10 is dedicated to an open space land and recreational fund

INTRODUCTION

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

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

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

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

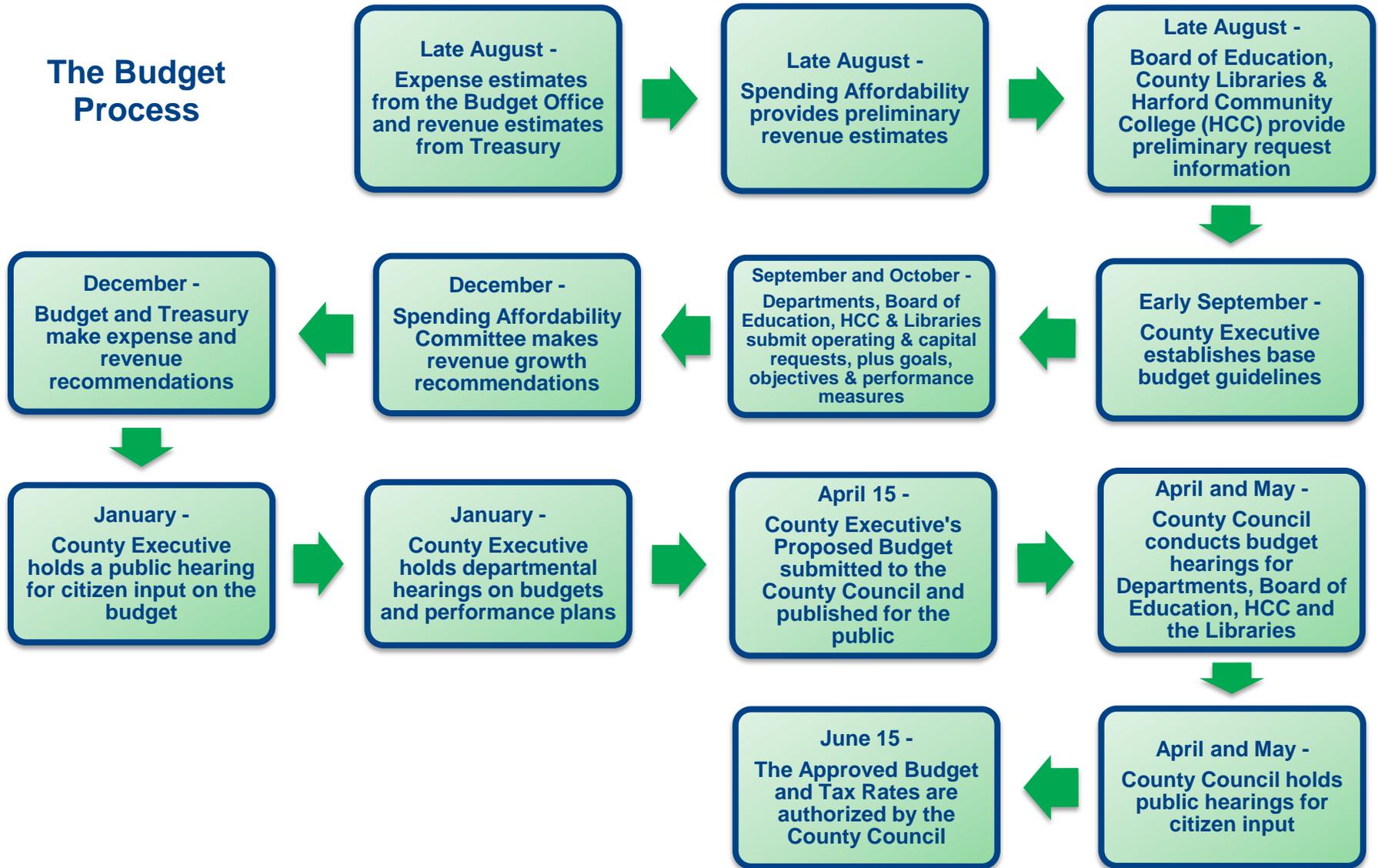
Type of Residential Development

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

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

INTRODUCTION

The Budget Process



INTRODUCTION

XII THE COUNTY'S CAPITAL BUDGET CALENDAR

LATE AUGUST

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

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

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

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

EARLY SEPTEMBER

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

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

INTRODUCTION

EARLY OCTOBER

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

NOVEMBER

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

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

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

DECEMBER

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

INTRODUCTION

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

JANUARY

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

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

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

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

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

FEBRUARY

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

LATE FEBRUARY THROUGH LATE MARCH

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

INTRODUCTION

APRIL 15

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

APRIL THROUGH MAY

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

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

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

JUNE 15

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

XIII OUTSIDE AGENCIES

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

INTRODUCTION

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

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

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM				
					FY 2022	FY 2023	FY 2024	FY 2025	
TOTAL COUNTY BY CATEGORY									
GENERAL FUND									
General Capital	277,319,640	118,613,240	44,381,400	23,275,000	22,775,000	22,775,000	22,750,000	22,750,000	
Stormwater Management	123,102,508	53,652,508	10,950,000	11,700,000	11,550,000	11,650,000	11,750,000	11,850,000	
Sheriff/Emergency/Fire	61,504,525	50,754,525	6,000,000	950,000	950,000	950,000	950,000	950,000	
Harford Community College	47,292,800	15,439,800	2,518,000	27,153,000	2,182,000	0	0	0	
Library	11,525,460	10,025,460	250,000	250,000	250,000	250,000	250,000	250,000	
Board of Education	386,694,506	316,360,406	42,861,600	6,651,000	5,624,000	5,317,000	5,189,500	4,691,000	
SUB-TOTAL GENERAL FUND PROJECTS	907,439,439	564,845,939	106,961,000	69,979,000	43,331,000	40,942,000	40,889,500	40,491,000	
SOLID WASTE SERVICES	55,394,767	50,344,767	1,525,000	675,000	825,000	700,000	675,000	650,000	
PARKS & RECREATION	162,695,020	87,205,020	14,270,000	8,555,000	16,280,000	15,160,000	13,815,000	7,410,000	
HIGHWAYS FUND									
Bridges	67,385,468	31,555,468	8,265,000	9,130,000	5,275,000	5,775,000	3,305,000	4,080,000	
Roadways	48,276,682	24,031,682	2,960,000	7,700,000	6,250,000	2,225,000	1,835,000	3,275,000	
Resurfacing	89,878,154	34,778,154	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000	
Other	36,135,750	25,650,750	8,515,000	810,000	290,000	290,000	290,000	290,000	
TOTAL HIGHWAYS PROJECTS	241,676,054	116,016,054	28,465,000	26,715,000	21,140,000	17,615,000	14,755,000	16,970,000	
WATER & SEWER FUNDS									
Water Projects	158,744,650	122,919,650	5,775,000	5,500,000	3,900,000	4,350,000	9,500,000	6,800,000	
Sewer Projects	115,501,008	76,631,008	(1,030,000)	9,800,000	12,700,000	12,600,000	1,500,000	3,300,000	
TOTAL WATER & SEWER PROJECTS	274,245,658	199,550,658	4,745,000	15,300,000	16,600,000	16,950,000	11,000,000	10,100,000	
COUNTY TOTAL BY PROJECTS	1,641,450,938	1,017,962,438	155,966,000	121,224,000	98,176,000	91,367,000	81,134,500	75,621,000	

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM				
					FY 2022	FY 2023	FY 2024	FY 2025	

TOTAL COUNTY BY FUND SOURCE

Paygo (All)	357,038,827	216,715,749	27,966,578	21,340,000	21,432,000	21,228,000	23,375,500	24,981,000
Impact Fee	0	0	0	0	0	0	0	0
Future Bonds	251,918,500	0	73,220,000	49,353,500	42,702,000	37,169,000	28,644,000	20,830,000
Prior Bonds	557,963,306	562,963,306	(5,000,000)	0	0	0	0	0
Reappropriated	29,270,618	25,662,418	3,608,200	0	0	0	0	0
Transfer Tax	62,278,009	7,628,009	9,650,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Recordation Tax	87,842,733	18,484,933	13,332,800	11,720,000	11,365,000	11,085,000	11,090,000	10,765,000
State	176,502,916	107,303,016	23,027,400	20,505,500	8,282,000	6,115,000	5,600,000	5,670,000
Program Open Space	26,441,000	14,076,000	2,700,000	1,825,000	1,900,000	1,775,000	2,300,000	1,865,000
Federal	47,451,276	25,676,276	6,575,000	6,070,000	2,570,000	4,260,000	450,000	1,850,000
Developer	4,739,150	4,114,150	25,000	150,000	150,000	100,000	100,000	100,000
Other	38,444,603	33,778,581	861,022	1,260,000	775,000	635,000	575,000	560,000
Lease Purchase	1,560,000	1,560,000	0	0	0	0	0	0

COUNTY TOTAL BY FUNDING SOURCE	1,641,450,938	1,017,962,438	155,966,000	121,224,000	98,176,000	91,367,000	81,134,500	75,621,000
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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025

GENERAL FUND

GENERAL CAPITAL

FY 20 Funded Projects

Board of Education Debt Service 20	113,216,000	0	23,216,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000
Efficiency Capital Investment Projects	1,235,400	1,095,000	65,400	25,000	25,000	25,000	0	0
Facilities Repair Program	41,012,301	28,862,301	2,150,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Fleet Maintenance Facility	15,346,000	2,096,000	13,250,000	0	0	0	0	0
Fleet Replacement	23,040,000	11,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Harford County Agricultural Research and Exposition Ctr	1,600,000	1,400,000	200,000	0	0	0	0	0
Hazard / Flood Mitigation Assistance Program	500,000	0	500,000	0	0	0	0	0
1201 Technology Drive	2,000,000	0	2,000,000	0	0	0	0	0
Refresh Program	4,603,478	3,103,478	250,000	250,000	250,000	250,000	250,000	250,000
Safeguarding Business Operations	17,525,400	16,775,400	750,000	0	0	0	0	0
Site Acquisition	27,257,761	24,757,761	0	500,000	500,000	500,000	500,000	500,000
Outyear Projects	0	0	0	0	0	0	0	0
Courthouse Building Repairs	10,534,900	10,034,900	0	500,000	0	0	0	0
Open Projects								
Aberdeen Library Roof and Windows	388,000	388,000	0	0	0	0	0	0
Abingdon Library Window Replacement	1,259,000	1,259,000	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 Power Systems	600,000	600,000	0	0	0	0	0	0
Harford Cable Network High-Definition Upgrade	600,000	600,000	0	0	0	0	0	0
Harford County Metro Area Network (HMAN)	16,280,000	16,280,000	0	0	0	0	0	0
Repairs to 45 South Main Street Building	100,000	100,000	0	0	0	0	0	0
General Capital Total by Project	277,319,640	118,613,240	44,381,400	23,275,000	22,775,000	22,775,000	22,750,000	22,750,000
Paygo	52,335,996	37,985,996	3,025,000	2,275,000	2,275,000	2,275,000	2,250,000	2,250,000
Prior Paygo	0	0	0	0	0	0	0	0
Reappropriated	3,017,595	117,195	2,900,400	0	0	0	0	0
Future Bonds	34,450,000	0	21,450,000	3,000,000	2,500,000	2,500,000	2,500,000	2,500,000
Prior Bonds	68,410,157	73,410,157	(5,000,000)	0	0	0	0	0
Transfer Tax	54,650,000	0	9,650,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Recordation Tax	55,665,600	0	10,665,600	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
State	3,675,100	2,484,700	1,190,400	0	0	0	0	0
Federal	3,225,692	2,725,692	500,000	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0
Other	329,500	329,500	0	0	0	0	0	0
Lease Purchase	1,560,000	1,560,000	0	0	0	0	0	0
General Capital Total by Fund	277,319,640	118,613,240	44,381,400	23,275,000	22,775,000	22,775,000	22,750,000	22,750,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
STORMWATER MANAGEMENT								
<u>FY 20 Funded Projects</u>								
County Owned Stormwater Management Rehab & Repair	750,000	150,000	100,000	100,000	100,000	100,000	100,000	100,000
County Owned Watershed Restoration Improvements	28,525,000	10,400,000	400,000	3,225,000	3,475,000	3,575,000	3,675,000	3,775,000
Joppatowne Area Watershed Restoration	8,550,000	4,400,000	1,400,000	550,000	550,000	550,000	550,000	550,000
Maintenance/Repair of Dams	4,455,000	2,055,000	400,000	400,000	400,000	400,000	400,000	400,000
Middle Bynum Run Watershed Restoration Improvements	200,000	0	200,000	0	0	0	0	0
Plumtree Run Watershed Restoration	12,143,452	5,643,452	2,000,000	900,000	900,000	900,000	900,000	900,000
Sams Branch Watershed Restoration	5,772,922	2,672,922	1,100,000	400,000	400,000	400,000	400,000	400,000
Septic System Disconnection	700,000	150,000	50,000	300,000	50,000	50,000	50,000	50,000
Stormwater Pollution Prevention	1,931,395	1,031,395	150,000	150,000	150,000	150,000	150,000	150,000
Sunnyview Stream Restoration	4,692,220	1,992,220	2,700,000	0	0	0	0	0
Watershed Restoration Assessment	16,500,000	5,500,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Watershed Restoration Improvements	6,200,000	2,250,000	1,200,000	550,000	550,000	550,000	550,000	550,000
Watershed Restoration Maintenance	960,000	360,000	100,000	100,000	100,000	100,000	100,000	100,000
Wheel Creek Watershed Restoration	7,139,607	6,839,607	150,000	150,000	0	0	0	0
<u>Outyear Projects</u>								
Riverside Area Watershed Restoration	7,960,886	3,585,886	0	875,000	875,000	875,000	875,000	875,000
Upper Bynum Run Watershed Restoration Improvements	12,000,000	2,000,000	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
<u>Open Projects</u>								
Bynum Run @ St. Andrews Way Stream Restoration	2,997,026	2,997,026	0	0	0	0	0	0
Lilly Run Watershed Restoration	725,000	725,000	0	0	0	0	0	0
Stormwater Enhancement	900,000	900,000	0	0	0	0	0	0
Stormwater Management Total by Project	123,102,508	53,652,508	10,950,000	11,700,000	11,550,000	11,650,000	11,750,000	11,850,000
Paygo - Special Dedicated Paygo	7,015,740	4,065,740	450,000	700,000	450,000	450,000	450,000	450,000
Prior Paygo	0	0	0	0	0	0	0	0
Prior Bonds	23,500,000	23,500,000	0	0	0	0	0	0
Future Bonds	40,400,000	0	6,150,000	6,650,000	6,750,000	6,850,000	6,950,000	7,050,000
Reappropriated	1,971,768	1,971,768	0	0	0	0	0	0
Recordation Tax	200,000	200,000	0	0	0	0	0	0
State	39,007,016	17,457,016	3,800,000	3,550,000	3,550,000	3,550,000	3,550,000	3,550,000
Federal	5,747,984	3,297,984	200,000	450,000	450,000	450,000	450,000	450,000
Developer	85,000	85,000	0	0	0	0	0	0
Other	5,175,000	3,075,000	350,000	350,000	350,000	350,000	350,000	350,000
Stormwater Management Total by Fund	123,102,508	53,652,508	10,950,000	11,700,000	11,550,000	11,650,000	11,750,000	11,850,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
PUBLIC SAFETY								
<u>FY 20 Funded Projects:</u>								
Aberdeen VFC Main Station Renovation	1,000,000	0	1,000,000	0	0	0	0	0
EMS Station	1,500,000	0	1,500,000	0	0	0	0	0
Emergency Operations Center Complex	37,494,525	43,294,525	(5,800,000)	0	0	0	0	0
Mobile/Portable Radio System Upgrade	2,150,000	1,150,000	1,000,000	0	0	0	0	0
Multi-Agency Public Safety Mobile Command Center	1,800,000	0	1,800,000	0	0	0	0	0
Next-Gen 911	5,650,000	0	5,150,000	100,000	100,000	100,000	100,000	100,000
Public Safety Communication in School Buildings	1,250,000	650,000	100,000	100,000	100,000	100,000	100,000	100,000
VFC Facility Repair	4,360,000	1,960,000	400,000	400,000	400,000	400,000	400,000	400,000
VFC Public Safety Equipment	3,100,000	1,000,000	350,000	350,000	350,000	350,000	350,000	350,000
Whiteford VFC - Renovation of Main Station	1,200,000	700,000	500,000	0	0	0	0	0
<u>Open Projects</u>								
Joppa Magnolia Fire Station Expansion	1,240,000	1,240,000	0	0	0	0	0	0
911 State Fee Fund	600,000	600,000	0	0	0	0	0	0
TRT Equipment	160,000	160,000	0	0	0	0	0	0
Sheriff/Emergency/Fire Total by Project	61,504,525	50,754,525	6,000,000	950,000	950,000	950,000	950,000	950,000
Paygo	13,093,025	5,893,025	2,950,000	850,000	850,000	850,000	850,000	850,000
Future Bonds	1,000,000	0	1,000,000	0	0	0	0	0
Prior Bonds	36,961,500	39,461,500	(2,500,000)	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
State	7,948,000	2,898,000	4,550,000	100,000	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	0	0	0	0	0	0	0	0
Sheriff / Emergency / Fire Total by Fund	61,504,525	50,754,525	6,000,000	950,000	950,000	950,000	950,000	950,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
HARFORD COMMUNITY COLLEGE								
<u>FY 20 Funded Projects:</u>								
Chesapeake Welcome Center	31,518,000	0	2,183,000	27,153,000	2,182,000	0	0	0
Fallston Hall Renovations	7,142,800	6,807,800	335,000	0	0	0	0	0
<u>Open Projects</u>								
Edgewood Hall Renovation & Expansion	8,632,000	8,632,000	0	0	0	0	0	0
College Total by Project	47,292,800	15,439,800	2,518,000	27,153,000	2,182,000	0	0	0
Paygo	0	0	0	0	0	0	0	0
Future Bonds	15,140,000	0	1,375,000	12,725,000	1,040,000	0	0	0
Prior Bonds	6,812,000	6,812,000	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
State	25,340,800	8,627,800	1,143,000	14,428,000	1,142,000	0	0	0
Other	0	0	0	0	0	0	0	0
College Total by Fund	47,292,800	15,439,800	2,518,000	27,153,000	2,182,000	0	0	0
LIBRARIES								
<u>FY 20 Funded Projects:</u>								
Technology	2,449,460	949,460	250,000	250,000	250,000	250,000	250,000	250,000
<u>Open Projects:</u>								
Darlington Branch - Expansion	56,000	56,000	0	0	0	0	0	0
Havre de Grace Expansion	9,020,000	9,020,000	0	0	0	0	0	0
Libraries Total by Project	11,525,460	10,025,460	250,000	250,000	250,000	250,000	250,000	250,000
Paygo	2,505,460	1,005,460	250,000	250,000	250,000	250,000	250,000	250,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	0	0	0	0	0	0	0	0
Prior Bonds	6,720,000	6,720,000	0	0	0	0	0	0
State	1,000,000	1,000,000	0	0	0	0	0	0
Federal	400,000	400,000	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
Other	900,000	900,000	0	0	0	0	0	0
Libraries Total by Fund	11,525,460	10,025,460	250,000	250,000	250,000	250,000	250,000	250,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
BOARD OF EDUCATION								
<u>FY 20 Projects</u>								
Athletic Fields Repair and Restoration	1,287,000	687,000	100,000	100,000	100,000	100,000	100,000	100,000
George D. Lisby HVAC Systemic Renovation	9,250,000	0	9,250,000	0	0	0	0	0
Havre de Grace MS/HS Replacement	99,268,000	85,781,000	13,487,000	0	0	0	0	0
North Bend ES Central Plant & Fire Alarm	2,031,000	0	2,031,000	0	0	0	0	0
Relocatable Classrooms	2,706,896	2,963,896	(257,000)	0	0	0	0	0
Replacement Buses	14,313,548	13,017,548	1,296,000	0	0	0	0	0
Roof Replacement - Aberdeen Middle School	4,221,000	2,664,000	1,557,000	0	0	0	0	0
Roof Replacement - Hickory Elementary School	1,794,000	0	1,794,000	0	0	0	0	0
Roye Williams HVAC Systemic Renovation	11,720,000	0	11,720,000	0	0	0	0	0
Security Measures	2,992,100	2,060,000	421,600	175,000	76,000	73,000	95,500	91,000
Special Education Facilities Improvements	4,188,000	200,000	842,000	1,221,000	787,000	644,000	494,000	0
Swimming Pool Renovations	2,199,000	1,263,000	120,000	655,000	161,000	0	0	0
Technology Infrastructure	5,258,217	4,758,217	500,000	0	0	0	0	0
<u>Outyear Projects</u>								
Major HVAC Repairs	24,805,137	9,805,137	0	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Major Roof Replacement	7,500,000	0	0	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
<u>Open Projects</u>								
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
Bel Air ES HVAC Systemic Renovation & Open Space	8,129,000	8,129,000	0	0	0	0	0	0
Center for Educational Opportunity - HVAC	4,625,000	4,625,000	0	0	0	0	0	0
Darlington ES Comprehensive HVAC Systemic Project	1,638,000	1,638,000	0	0	0	0	0	0
Equipment and Furniture Replacement	954,950	954,950	0	0	0	0	0	0
Fallston Chiller Replacement	1,000,000	1,000,000	0	0	0	0	0	0
Fallston HS Comprehensive HVAC Systemic Project	17,546,940	17,546,940	0	0	0	0	0	0
Fire Alarm and ER Communication	1,387,000	1,387,000	0	0	0	0	0	0
Homestead Wakefield ES Modernization	132,454	132,454	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	50,000	50,000	0	0	0	0	0	0
North Harford HS Aquaculture Lab and Greenhouse	830,000	830,000	0	0	0	0	0	0
North Harford HS Modernization	31,840,781	31,840,781	0	0	0	0	0	0
North Harford MS Domestic Water Improvements	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 Elementary School HVAC	4,685,000	4,685,000	0	0	0	0	0	0
Red Pump Road Elementary School	29,837,480	29,837,480	0	0	0	0	0	0
Riverside ES HVAC Systemic Renovation	8,255,607	8,255,607	0	0	0	0	0	0
Roof Replacement - Joppatowne High School	2,400,000	2,400,000	0	0	0	0	0	0
Roof Replacement - North Harford Elementary School	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
William Paca/Old Post ES Open Space Enclosure	2,417,000	2,417,000	0	0	0	0	0	0
William S. James ES Open Space Enclosure	1,400,000	1,400,000	0	0	0	0	0	0
Youth's Benefit ES Replacement	48,861,866	48,861,866	0	0	0	0	0	0
Education Total by Project	386,694,506	316,360,406	42,861,600	6,651,000	5,624,000	5,317,000	5,189,500	4,691,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM			
					FY 2022	FY 2023	FY 2024	FY 2025
BOARD OF EDUCATION								
Paygo	29,681,532	23,072,432	3,022,600	1,700,000	667,000	503,000	525,500	191,000
Future Bonds	41,876,000	0	27,740,000	3,001,000	3,007,000	2,864,000	2,714,000	2,550,000
Prior Bonds	192,952,397	192,952,397	0	0	0	0	0	0
Reappropriated	8,504,704	8,504,704	0	0	0	0	0	0
Transfer Tax	7,628,009	7,628,009	0	0	0	0	0	0
Recordation Tax	0	0	0	0	0	0	0	0
State	90,331,000	68,482,000	12,099,000	1,950,000	1,950,000	1,950,000	1,950,000	1,950,000
Other	15,720,864	15,720,864	0	0	0	0	0	0
Lease Purchase	0	0	0	0	0	0	0	0
Education Total by Fund	386,694,506	316,360,406	42,861,600	6,651,000	5,624,000	5,317,000	5,189,500	4,691,000
SUB-TOTAL GENERAL FUND CAPITAL	907,439,439	564,845,939	106,961,000	69,979,000	43,331,000	40,942,000	40,889,500	40,491,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
SOLID WASTE SERVICES								
<u>FY 20 Funded Projects:</u>								
HWDC Landfill Capping	10,070,000	9,320,000	125,000	125,000	125,000	125,000	125,000	125,000
HWDC Pavement Upgrades	1,950,000	400,000	400,000	200,000	350,000	225,000	200,000	175,000
Solid Waste Facilities Repair Program	2,750,000	0	1,000,000	350,000	350,000	350,000	350,000	350,000
<u>Open Projects:</u>								
Environmental Studies and Projects	1,440,900	1,440,900	0	0	0	0	0	0
Former Spencers Landfill Closure (East Side)	6,700,000	6,700,000	0	0	0	0	0	0
Full Cost Accounting Study	300,000	300,000	0	0	0	0	0	0
HWDC Compost Area Facilities	525,000	525,000	0	0	0	0	0	0
HWDC Expansion	21,235,354	21,235,354	0	0	0	0	0	0
Scarboro Landfill Groundwater Treatment Plant	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 Center	975,081	975,081	0	0	0	0	0	0
Waste-to-Energy Facility Closure	8,163,753	8,163,753	0	0	0	0	0	0
Solid Waste Services Total by Project	55,394,767	50,344,767	1,525,000	675,000	825,000	700,000	675,000	650,000
Paygo	28,486,043	26,186,043	525,000	325,000	475,000	350,000	325,000	300,000
Reappropriated	2,693,283	2,693,283	0	0	0	0	0	0
Future Bonds	2,750,000	0	1,000,000	350,000	350,000	350,000	350,000	350,000
Prior Bonds	21,125,441	21,125,441	0	0	0	0	0	0
Other	340,000	340,000	0	0	0	0	0	0
Solid Waste Services Total by Fund	55,394,767	50,344,767	1,525,000	675,000	825,000	700,000	675,000	650,000
TOTAL GENERAL FUND CAPITAL	962,834,206	615,190,706	108,486,000	70,654,000	44,156,000	41,642,000	41,564,500	41,141,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET	FIVE YEAR CAPITAL PROGRAM				
			YEAR FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
<u>PARKS & RECREATION FUND</u>								
<u>FY 20 Funded Projects:</u>								
Athletic Field Improvements	27,550,000	12,550,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
Cedar Lane Sports Complex Improvements	2,961,000	2,361,000	100,000	100,000	100,000	100,000	100,000	100,000
Darlington Park Development	2,010,000	1,895,000	90,000	0	0	0	0	25,000
Dog Park Construction & Improvements	320,000	0	90,000	0	50,000	0	90,000	90,000
Edgeley Grove Farm	190,000	40,000	100,000	0	0	0	0	50,000
Edgewood Recreation and Community Center	525,000	100,000	125,000	300,000	0	0	0	0
Emmorton Recreation and Tennis Center Improvements	1,735,000	1,485,000	250,000	0	0	0	0	0
Equestrian Center Improvements	675,000	375,000	100,000	100,000	0	0	100,000	0
Facility Renovations	925,000	375,000	50,000	100,000	100,000	100,000	100,000	100,000
Gymnasium Floor Repair and Renovations	335,000	135,000	50,000	50,000	0	50,000	0	50,000
Mariner Point Park - DMP Site Remediation	1,115,000	0	100,000	0	1,015,000	0	0	0
Norrisville Park	1,325,000	0	125,000	1,050,000	0	0	0	150,000
Otter Point Creek Boat Launch	560,000	0	560,000	0	0	0	0	0
Parking Lot Paving	1,309,000	904,000	50,000	55,000	0	150,000	150,000	0
Parkland Acquisition	16,361,000	9,456,000	1,780,000	1,025,000	1,025,000	1,025,000	1,025,000	1,025,000
Playground Equipment	3,645,000	2,280,000	325,000	225,000	225,000	175,000	175,000	240,000
Rock Glenn Park	1,300,000	100,000	1,200,000	0	0	0	0	0
Swan Harbor Farm Improvements	689,000	639,000	50,000	0	0	0	0	0
SWM Pond Repair and Renovation	950,000	450,000	260,000	120,000	0	120,000	0	0
Tennis/Multipurpose Courts	1,740,000	940,000	350,000	100,000	100,000	100,000	150,000	0
Tollgate Woodshop	40,000	25,000	15,000	0	0	0	0	0
Trails & Linear Parks	15,600,000	9,600,000	6,000,000	0	0	0	0	0
<u>Outyear Projects</u>								
Aberdeen Activity Center	9,000,000	0	0	500,000	8,000,000	500,000	0	0
ADA Improvements	620,000	370,000	0	75,000	0	75,000	0	100,000
Backstop Renovations	420,000	270,000	0	50,000	0	50,000	0	50,000
Benson Field Development	1,100,000	0	0	100,000	0	0	0	1,000,000
Blake's Venture Park	1,100,000	0	0	100,000	0	1,000,000	0	0
Bleacher Renovations	730,000	490,000	0	80,000	0	80,000	0	80,000
Bulkhead Renovations	650,000	0	0	0	40,000	535,000	0	75,000
Canoe and Kayak Access	1,405,000	880,000	0	200,000	0	0	325,000	0
Churchville Center Renovations	1,175,000	575,000	0	100,000	0	500,000	0	0
Disc Golf Course	100,000	50,000	0	50,000	0	0	0	0
Eden Mill Park Rehabilitation	1,305,000	1,155,000	0	50,000	0	0	100,000	0
Edgewood Recreation Park	650,000	50,000	0	0	0	100,000	500,000	0
Emily Bayliss Graham Park	3,850,000	2,575,000	0	525,000	500,000	0	250,000	0
Heavenly Waters Park - Soma	725,000	100,000	0	0	100,000	0	0	525,000
Jarrettsville Recreation Center	7,210,775	510,775	0	0	0	6,500,000	200,000	0
Joppa/Joppatowne Youth/Senior Center	7,000,000	0	0	0	0	500,000	6,500,000	0
Magnolia Complex Development	2,480,000	2,055,000	0	425,000	0	0	0	0
Mariner Point Park Renovations	686,000	636,000	0	50,000	0	0	0	0
Northern Regional Park	3,325,000	575,000	0	0	250,000	0	1,500,000	1,000,000
Oakington Peninsula Heritage Trail	400,000	0	0	100,000	0	100,000	0	200,000
Park Improvements	380,000	130,000	0	50,000	50,000	50,000	50,000	50,000
Perryman Park Development	1,125,000	0	0	125,000	500,000	500,000	0	0
Prospect Mill Park	600,000	0	0	100,000	500,000	0	0	0
Red Pump Road Elementary School Facilities	175,000	0	0	50,000	125,000	0	0	0
Robert Copenhaver Park Improvements	550,000	300,000	0	0	0	250,000	0	0
Rockfield Park Improvements	370,000	170,000	0	0	100,000	100,000	0	0
Vale Road Park	1,100,000	0	0	100,000	1,000,000	0	0	0

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET	FIVE YEAR CAPITAL PROGRAM				
			YEAR FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
<u>PARKS & RECREATION FUND</u>								
<u>Open Projects</u>								
Anita C. Leight Center Improvements	1,005,000	1,005,000	0	0	0	0	0	0
Bush River Dredging and DMP Site	990,000	990,000	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
Enlarged Gymnasiums and Joint Facilities	1,200,000	1,200,000	0	0	0	0	0	0
Facility Renovations	1,205,000	1,205,000	0	0	1,205,000	0	0	0
Flying Point Park Improvements	403,000	403,000	0	0	0	0	0	0
Forest Hill Recreation Complex Improvements	800,000	800,000	0	0	0	0	0	0
Fox Meadows Park Improvements	450,000	450,000	0	0	0	0	0	0
Francis Silver Park Improvements	425,000	425,000	0	0	0	0	0	0
Gunpowder River Dredging	2,234,000	2,234,000	0	0	0	0	0	0
Heavenly Waters Park	2,120,000	2,120,000	0	0	0	0	0	0
Indoor Recreation Facility - Forest Hill/Hickory	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
Natural Turf Improvements	1,290,000	1,290,000	0	0	0	0	0	0
Nuttall Avenue Park Development	500,000	500,000	0	0	0	0	0	0
Schucks Road Regional Complex	8,110,415	8,110,415	0	0	0	0	0	0
Tudor Hall Rehabilitation	610,000	610,000	0	0	0	0	0	0
Parks & Rec Total by Project	162,695,020	87,205,020	14,270,000	8,555,000	16,280,000	15,160,000	13,815,000	7,410,000
Paygo	4,591,322	4,591,322	0	0	0	0	0	0
Paygo - Hotel Tax Revenue	0	0	0	0	0	0	0	0
Paygo - Parks and Recreation Fund	100,000	0	100,000	0	0	0	0	0
Future Bonds	38,700,000	0	2,500,000	3,000,000	10,000,000	10,500,000	9,200,000	3,500,000
Prior Bonds	26,656,830	24,156,830	2,500,000	0	0	0	0	0
Reappropriated	6,132,735	5,424,935	707,800	0	0	0	0	0
Recordation Tax	31,977,133	18,284,933	2,667,200	2,720,000	2,365,000	2,085,000	2,090,000	1,765,000
State	7,443,500	5,103,500	165,000	50,000	1,540,000	515,000	0	70,000
Program Open Space	26,441,000	14,076,000	2,700,000	1,825,000	1,900,000	1,775,000	2,300,000	1,865,000
Federal	7,295,000	5,130,000	2,165,000	0	0	0	0	0
Developer	1,059,500	934,500	25,000	50,000	50,000	0	0	0
Other	12,298,000	9,503,000	740,000	910,000	425,000	285,000	225,000	210,000
Parks & Rec Total by Fund	162,695,020	87,205,020	14,270,000	8,555,000	16,280,000	15,160,000	13,815,000	7,410,000
TOTAL PARKS & RECREATION CAPITAL	162,695,020	87,205,020	14,270,000	8,555,000	16,280,000	15,160,000	13,815,000	7,410,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
HIGHWAYS FUND								
BRIDGES								
FY 20 Funded Projects:								
Abingdon Road Bridge #169 over CSX	4,730,000	1,580,000	250,000	2,900,000	0	0	0	0
Bridge and Road Scour Repairs	2,475,000	1,575,000	150,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program - Over 20' Spans	4,950,000	1,050,000	150,000	1,100,000	0	1,250,000	0	1,400,000
Bridge Inspection Program - Under 20' Spans	525,000	0	100,000	0	200,000	0	225,000	0
Bridge Painting	1,500,000	300,000	200,000	200,000	200,000	200,000	200,000	200,000
Bridge Rehabilitation	7,466,381	2,291,381	2,925,000	450,000	450,000	450,000	450,000	450,000
Chestnut Hill Bridge #40	1,905,000	1,705,000	200,000	0	0	0	0	0
Grier Nursery Road Bridge #143	2,425,000	0	500,000	25,000	0	1,900,000	0	0
Hookers Mill Road Bridge	3,180,000	0	500,000	30,000	2,650,000	0	0	0
Johnson Mill Road Bridge #45	1,260,000	260,000	90,000	0	910,000	0	0	0
Phillips Mill Road Bridge #70	3,550,000	600,000	2,950,000	0	0	0	0	0
Stafford Road Bridge #24	3,405,000	405,000	200,000	2,800,000	0	0	0	0
Structural Evaluation	720,000	420,000	50,000	50,000	50,000	50,000	50,000	50,000
Outyear Projects:								
Boggs Road Bridge #66	1,250,000	0	0	200,000	20,000	0	1,030,000	0
Culvert Rehabilitation	5,480,000	4,730,000	0	150,000	150,000	150,000	150,000	150,000
Deep Run Road Bridge #152	1,245,000	0	0	200,000	20,000	0	1,025,000	0
Edwards Lane Culvert	850,000	0	0	0	0	0	0	850,000
Fawn Grove Road Bridge #132	310,000	10,000	0	0	250,000	50,000	0	0
Glen Cove Road Bridge #155	850,000	0	0	850,000	0	0	0	0
Glenville Road Bridge #30	1,735,000	410,000	0	25,000	0	1,300,000	0	0
Moore's Road Bridge #78	1,105,000	0	0	0	225,000	50,000	0	830,000
Scarboro Road Bridge #140	250,000	0	0	0	0	225,000	25,000	0
Open Projects:								
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0
Carrs Mill Road Bridge #216	2,575,000	2,575,000	0	0	0	0	0	0
Glen Cove Road Bridge #156	1,550,000	1,550,000	0	0	0	0	0	0
Green Road Bridges #119 and #122	1,119,087	1,119,087	0	0	0	0	0	0
New Park Road Bridge #125	1,100,000	1,100,000	0	0	0	0	0	0
Pleasantville Road Bridge #67	225,000	225,000	0	0	0	0	0	0
Robinson Mill Road Bridge #154	2,065,000	2,065,000	0	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	1,095,000	0	0	0	0	0	0
Bridges Total by Project	67,385,468	31,555,468	8,265,000	9,130,000	5,275,000	5,775,000	3,305,000	4,080,000
Paygo	24,338,143	16,053,143	1,425,000	1,025,000	1,450,000	1,310,000	1,225,000	1,850,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	10,885,000	0	3,130,000	2,485,000	1,705,000	655,000	2,080,000	830,000
Prior Bonds	4,162,558	4,162,558	0	0	0	0	0	0
Reappropriated	838,767	838,767	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0
Federal	27,161,000	10,501,000	3,710,000	5,620,000	2,120,000	3,810,000	0	1,400,000
Other	0	0	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0
Bridges Total by Fund	67,385,468	31,555,468	8,265,000	9,130,000	5,275,000	5,775,000	3,305,000	4,080,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
ROADWAYS								
FY 20 Funded Projects:								
Guardrails	1,675,000	775,000	150,000	150,000	150,000	150,000	150,000	150,000
Intersection Improvements	6,266,728	3,281,728	1,085,000	380,000	380,000	380,000	380,000	380,000
Schucks Road Improvements	1,043,368	893,368	150,000	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	5,750,000	500,000	250,000	0	5,000,000	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	1,300,000	650,000	50,000	120,000	120,000	120,000	120,000	120,000
Trimble Road (Joppa Road to Garnett Road)	2,350,000	0	25,000	200,000	50,000	0	0	2,075,000
Woodley Road Extension to MD 715	7,250,000	0	1,250,000	6,000,000	0	0	0	0
Outyear Projects:								
Carrs Mill Road (MD152-Grafton Shop Road)	200,000	0	0	100,000	0	100,000	0	0
Drainage Improvements	2,075,000	1,575,000	0	100,000	100,000	100,000	100,000	100,000
MD152/Oakmont Road/Port Lane	1,027,666	392,666	0	0	0	0	635,000	0
New Roads and Stormdrains	3,625,000	2,625,000	0	200,000	200,000	200,000	200,000	200,000
Stormdrain Rehabilitation	2,341,231	1,766,231	0	115,000	115,000	115,000	115,000	115,000
Tollgate Road/Vale Road Corridor	1,125,000	0	0	200,000	0	925,000	0	0
Traffic Signals	784,601	109,601	0	135,000	135,000	135,000	135,000	135,000
Open Projects:								
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	750,000	750,000	0	0	0	0	0	0
Roadways Total by Project	48,276,682	24,031,682	2,960,000	7,700,000	6,250,000	2,225,000	1,835,000	3,275,000
Paygo	21,330,374	11,320,374	225,000	1,600,000	1,150,000	2,125,000	1,735,000	3,175,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	13,735,000	0	2,735,000	6,000,000	5,000,000	0	0	0
Prior Bonds	7,131,707	7,131,707	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
Roadways Total by Fund	48,276,682	24,031,682	2,960,000	7,700,000	6,250,000	2,225,000	1,835,000	3,275,000
RESURFACING								
FY 20 Funded Projects:								
Resurfacing Roadways	67,318,262	12,218,262	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Open Projects:								
Resurfacing Roadways 17	5,002,435	5,002,435	0	0	0	0	0	0
Resurfacing Roadways 16	5,292,842	5,292,842	0	0	0	0	0	0
Resurfacing Roadways 15	5,603,106	5,603,106	0	0	0	0	0	0
Resurfacing Roadways 14	6,661,509	6,661,509	0	0	0	0	0	0
Resurfacing Total by Project	89,878,154	34,778,154	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Paygo	87,302,762	32,202,762	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Reappropriated	2,575,392	2,575,392	0	0	0	0	0	0
Prior Paygo	0	0	0	0	0	0	0	0
Resurfacing Total by Fund	89,878,154	34,778,154	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
HIGHWAYS FUND								
OTHER								
FY 20 Funded Projects:								
APG Gate Pilot	2,500,000	2,500,000	0	0	0	0	0	0
Efficiency Capital Investment Project	515,000	235,000	80,000	40,000	40,000	40,000	40,000	40,000
Fleet Maintenance Facility	6,226,000	716,000	5,510,000	0	0	0	0	0
Fleet Replacement	14,142,000	11,942,000	2,200,000	0	0	0	0	0
Highways Facilities Repair Program	2,127,000	1,007,000	100,000	620,000	100,000	100,000	100,000	100,000
Refresh Program	690,500	515,500	175,000	0	0	0	0	0
Safeguarding Business Operations	3,637,450	3,337,450	300,000	0	0	0	0	0
Sidewalks and Handicapped Ramps	2,279,300	1,379,300	150,000	150,000	150,000	150,000	150,000	150,000
Open Projects:								
Fuel Dispensing System Upgrade	950,000	950,000	0	0	0	0	0	0
Glen Elyn Culvert and Ponds Repair	392,500	392,500	0	0	0	0	0	0
Harford County Metro Area Network (HMAN)	930,000	930,000	0	0	0	0	0	0
Primrose Place	146,000	146,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equipment	1,600,000	1,600,000	0	0	0	0	0	0
Other Total by Project	36,135,750	25,650,750	8,515,000	810,000	290,000	290,000	290,000	290,000
Paygo	26,805,696	22,761,718	3,093,978	190,000	190,000	190,000	190,000	190,000
Future Bonds	6,630,000	0	5,610,000	620,000	100,000	100,000	100,000	100,000
Prior Bonds	716,000	716,000	0	0	0	0	0	0
Special Paygo	0	0	0	0	0	0	0	0
Reappropriated	138,865	138,865	0	0	0	0	0	0
Federal	169,300	169,300	0	0	0	0	0	0
State	230,000	190,000	40,000	0	0	0	0	0
Developer	64,650	64,650	0	0	0	0	0	0
Other	1,381,239	1,610,217	(228,978)	0	0	0	0	0
Other Total by Fund	36,135,750	25,650,750	8,515,000	810,000	290,000	290,000	290,000	290,000
TOTAL HIGHWAYS CAPITAL	241,676,054	116,016,054	28,465,000	26,715,000	21,140,000	17,615,000	14,755,000	16,970,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
WATER & SEWER FUND								
WATER PROJECTS								
<u>FY 20 Funded Projects:</u>								
Abingdon Road Water	3,300,000	8,300,000	(5,000,000)	0	0	0	0	0
Abingdon Water Treatment Plant pH Control System	2,750,000	250,000	2,500,000	0	0	0	0	0
Abingdon WTP Switch Gear /Generator	1,650,000	0	150,000	1,500,000	0	0	0	0
Central W&S Laboratory	85,000	0	85,000	0	0	0	0	0
Efficiency Capital Investment Projects	430,000	365,000	65,000	0	0	0	0	0
Fleet Maintenance Facility	1,220,000	140,000	1,080,000	0	0	0	0	0
Fleet Replacement	10,122,000	5,062,000	1,060,000	800,000	800,000	800,000	800,000	800,000
Havre de Grace Water Treatment Plant Upgrade	1,150,000	150,000	1,000,000	0	0	0	0	0
Infrastructure Management System Enhancements	425,000	350,000	75,000	0	0	0	0	0
Oak Grove Booster Station	330,000	0	330,000	0	0	0	0	0
Refresh Program	717,000	542,000	175,000	0	0	0	0	0
Renewal and Replacement Water Infrastructure	2,100,000	700,000	1,000,000	100,000	0	300,000	0	0
Replacement of Water Booster Station SCADA	2,250,000	1,500,000	750,000	0	0	0	0	0
Safeguarding Business Operations	3,841,650	3,586,650	255,000	0	0	0	0	0
SCADA Information Management Systems	4,750,000	250,000	850,000	100,000	800,000	250,000	2,500,000	0
Tank Painting	6,400,000	1,600,000	800,000	800,000	800,000	800,000	800,000	800,000
Water & Sewer Facilities Repair Program	1,500,000	0	250,000	250,000	250,000	250,000	250,000	250,000
Water & Sewer Infrastructure Improvements Projects	6,100,000	1,000,000	100,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Water Meter Upgrade	2,960,000	1,460,000	250,000	250,000	250,000	250,000	250,000	250,000
<u>Outyear Projects:</u>								
Perryman Wellfield Improvements	3,850,000	350,000	0	0	0	0	3,500,000	0
US 40 Water Main Replacement	1,700,000	200,000	0	500,000	0	500,000	0	500,000
Water Tank Design and Construction	3,700,000	300,000	0	0	0	0	400,000	3,000,000
Water Zone Improvements	1,430,000	830,000	0	200,000	0	200,000	0	200,000
<u>Open Projects:</u>								
Abingdon WTP Expansion	76,535,000	76,535,000	0	0	0	0	0	0
City of Baltimore - Deer Creek PS & Valve Improvements	3,700,000	3,700,000	0	0	0	0	0	0
City of Baltimore - Raw Water Supply	3,300,000	3,300,000	0	0	0	0	0	0
Construction Unanticipated 12	300,000	300,000	0	0	0	0	0	0
Construction Unanticipated 15	460,000	460,000	0	0	0	0	0	0
Fuel Dispensing Upgrade	120,000	120,000	0	0	0	0	0	0
Harford County Metro Area Network (HMAN)	1,220,000	1,220,000	0	0	1,220,000	0	0	0
Magnolia Booster Station	1,450,000	1,450,000	0	0	0	0	0	0
Perryman GAC Plant Improvements	1,000,000	1,000,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equipment	649,000	649,000	0	0	0	0	0	0
Tank Painting FY 15	800,000	800,000	0	0	0	0	0	0
Tank Painting FY 16	700,000	700,000	0	0	0	0	0	0
Underground & Aboveground Storage Tank Management	50,000	50,000	0	0	0	0	0	0
US 40 and Rt. 150 SHA Water Relocation	3,900,000	3,900,000	0	0	0	0	0	0
Water & 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
Water Total by Project	158,744,650	122,919,650	5,775,000	5,500,000	3,900,000	4,350,000	9,500,000	6,800,000
Paygo	46,236,284	20,661,284	3,675,000	3,150,000	3,650,000	3,300,000	5,750,000	6,050,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	8,550,000	0	400,000	2,350,000	250,000	1,050,000	3,750,000	750,000
Prior Bonds	101,232,460	99,572,460	1,660,000	0	0	0	0	0
Reappropriated	2,045,906	2,045,906	0	0	0	0	0	0
State	380,000	340,000	40,000	0	0	0	0	0
Developer	300,000	300,000	0	0	0	0	0	0
Water Total by Fund	158,744,650	122,919,650	5,775,000	5,500,000	3,900,000	4,350,000	9,500,000	6,800,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM				
					FY 2022	FY 2023	FY 2024	FY 2025	
SEWER PROJECTS									
<u>FY 20 Funded Projects:</u>									
Infiltration and Inflow	750,000	450,000	100,000	0	0	100,000	0	100,000	0
Lower Bynum Interceptor Phase 6&7	9,120,324	12,120,324	(3,000,000)	0	0	0	0	0	0
Magnolia Sewer Petition	685,000	0	85,000	600,000	0	0	0	0	0
Pumping Station Improvements	865,000	265,000	200,000	0	200,000	0	200,000	0	0
Sod Run Facility Improvements	6,700,000	4,400,000	1,000,000	0	0	300,000	1,000,000	0	0
Utility Protection/Restoration	1,700,000	900,000	200,000	200,000	200,000	200,000	200,000	0	0
Woodridge Sewer Petition	3,635,000	0	385,000	3,250,000	0	0	0	0	0
<u>Outyear Projects</u>									
Bio Solids Facilities Enhancements	35,500,000	8,900,000	0	2,600,000	12,000,000	12,000,000	0	0	0
Inventory Storage and Control Improvements	3,585,000	385,000	0	0	0	0	0	0	3,200,000
Renewal and Replacement Sewer Infrastructure	1,700,000	1,100,000	0	0	300,000	0	300,000	0	0
Sod Run WWTP Ultraviolet Disinfection Project	6,350,000	3,200,000	0	3,150,000	0	0	0	0	0
<u>Open Projects:</u>									
Bill Bass PS FM Replacement	900,384	900,384	0	0	0	0	0	0	0
Brentwood Park Pumping Station Improvements	1,450,000	1,450,000	0	0	0	0	0	0	0
Bush Creek Pumping Station	28,400,000	28,400,000	0	0	0	0	0	0	0
Bynum Ridge Replacement Sewer	800,000	800,000	0	0	0	0	0	0	0
Delta WWTP Plant Upgrades	225,000	225,000	0	0	0	0	0	0	0
Edgewood Interceptor Sewer Parallel	650,000	650,000	0	0	0	0	0	0	0
Fallston Area Sewer	3,800,000	3,800,000	0	0	0	0	0	0	0
Freys Road Sewer Petition	800,000	800,000	0	0	0	0	0	0	0
Harford WWTP Facility Improvements	885,000	885,000	0	0	0	0	0	0	0
Hickory Sewer Infrastructure Improvement Project	3,000,000	3,000,000	0	0	0	0	0	0	0
Oaklyn Manor/Joppa Area Sewer Relief	1,950,300	1,950,300	0	0	0	0	0	0	0
Ring Factory PS and Fairwind Farms Abandonment	1,465,000	1,465,000	0	0	0	0	0	0	0
Town Center Drive Pump Station Replacement	585,000	585,000	0	0	0	0	0	0	0
Sewer Total by Project	115,501,008	76,631,008	(1,030,000)	9,800,000	12,700,000	12,600,000	1,500,000	3,300,000	
Paygo	13,216,450	10,916,450	500,000	200,000	700,000	300,000	500,000	100,000	
Prior Paygo	0	0	0	0	0	0	0	0	
Future Bonds	37,802,500	0	130,000	9,172,500	12,000,000	12,300,000	1,000,000	3,200,000	
Prior Bonds	61,582,256	63,242,256	(1,660,000)	0	0	0	0	0	
Reappropriated	1,042,002	1,042,002	0	0	0	0	0	0	
State	427,500	0	0	427,500	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	
Sewer Total by Fund	115,501,008	76,631,008	(1,030,000)	9,800,000	12,700,000	12,600,000	1,500,000	3,300,000	
TOTAL WATER & SEWER CAPITAL	274,245,658	199,550,658	4,745,000	15,300,000	16,600,000	16,950,000	11,000,000	10,100,000	
	TOTAL COST	PRIOR APPROP	BUDGET FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM				
					FY 2022	FY 2023	FY 2024	FY 2025	
TOTAL CAPITAL IMPROVEMENT PROGRAM	1,641,450,938	1,017,962,438	155,966,000	121,224,000	98,176,000	91,367,000	81,134,500	75,621,000	

CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET

<u>Project Title/Description</u>	<u>FY 20 Budget Appropriation</u>	<u>Total Project Cost Including Outyears</u>	<u>Operating Budget Impact</u>
GENERAL PROJECTS:			
<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.	\$200,000	\$1,600,000	There will be an impact on utility services and contractual services (electric, janitorial, trash and septic).
STORMWATER MANAGEMENT PROJECTS:			
<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.	\$400,000	\$28,525,000	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.	\$1,400,000	\$8,550,000	Long term maintenance fees for new stormwater facilities.
<u>Middle Bynum Run Watershed Restoration Improvements</u> This project will assess and prioritize restoration projects including stream restorations and stormwater management retrofits to improve water quality.	\$200,000	\$200,000	Long term maintenance fees for new stormwater facilities.

CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET

<u>Project Title/Description</u>	<u>FY 20 Budget Appropriation</u>	<u>Total Project Cost Including Outyears</u>	<u>Operating Budget Impact</u>
<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>	\$2,000,000	\$12,143,452	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>	\$1,100,000	\$5,772,922	Long term maintenance fees for new stormwater facilities.
<p><u>Sunnyview Stream Restoration</u> This project will fund the design and construction of a stream restoration on Farnandis Branch, restoring 2,220 feet of stream as a result of the project.</p>	\$2,700,000	\$4,692,220	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 20 Budget Appropriation</u>	<u>Total Project Cost Including Outyears</u>	<u>Operating Budget Impact</u>
<i>PUBLIC SAFETY PROJECTS:</i>			
<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.
<u>Multi-Agency Public Safety Mobile Command Center</u> This project provides radio service/support for all county law enforcement, public safety, and public service entities.	\$1,800,000	\$1,800,000	Ongoing maintenance of the command vehicle and equipment.
<i>PARKS AND RECREATION PROJECTS:</i>			
<u>Athletic Field Improvements</u> Construction of synthetic turf stadium field at Patterson Mill Middle/High School; and design of a synthetic turf field for Field 13 at Cedar Lane Park.	\$2,500,000	\$27,550,000	Weekly maintenance, including field grooming.
<u>Norrisville Park</u> Design of an active park site on the former Bragg property, just south of the current Norrisville Recreation Center and Library.	\$125,000	\$1,325,000	Weekly maintenance, including grass mowing and trash collection.

CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET

<u>Project Title/Description</u>	<u>FY 20 Budget Appropriation</u>	<u>Total Project Cost Including Outyears</u>	<u>Operating Budget Impact</u>
<i>PARKS AND RECREATION PROJECTS (cont.):</i>			
<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>	\$1,780,000	\$16,361,000	<p>The Department currently pays approximately \$26.10/acre to mow at park sites. Assuming a site is mowed 29 times per mowing season and assuming only half of the added acreage (currently 225 acres) will be mowed, the cost to maintain this additional acreage is \$170,302 per mowing season.</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>	\$6,000,000	\$15,600,000	<p>Weekly maintenance, including trail maintenance and trash collection.</p>

CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET

<u>Project Title/Description</u>	<u>FY 20 Budget Appropriation</u>	<u>Total Project Cost Including Outyears</u>	<u>Operating Budget Impact</u>
<i>HIGHWAYS PROJECTS:</i>			
<u>Fleet Replacement</u> The purpose of this project is to replace existing vehicles and equipment that has exceeded their useful life.	\$2,200,000	\$14,142,000	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.	\$175,000	\$690,500	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.	\$300,000	\$3,637,450	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.	\$8,725,000	\$67,318,262	Potential for long term reductions in material costs for roadway repairs.

CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET

<u>Project Title/Description</u>	<u>FY 20 Budget Appropriation</u>	<u>Total Project Cost Including Outyears</u>	<u>Operating Budget Impact</u>
<i>WATER AND SEWER PROJECTS:</i>			
<u>Fleet Replacement</u> The purpose of this project is to replace existing vehicles and equipment that has exceeded their useful life.	\$1,060,000	\$10,122,000	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.	\$175,000	\$717,000	Ability to order large volume of computers at one time, reducing the impact of replacing too much equipment at one time.
<u>Safeguarding Business Operations</u> The purpose of this project is to integrate and modernize enterprise software applications and architecture across the County. Projects will include Enterprise Resource Planning, Applications, & Database modernization.	\$255,000	\$3,841,650	Annual license/maintenance fees associated with this project.

CAPITAL PROJECTS THAT IMPACT THE OPERATING BUDGET

Included in the capital budget are projects that have prior and current county bond funding. The county must take whatever actions are necessary to assure repayment, and estimates the debt service cost annually. Bonds are typically used to finance the capital portion of tax supported general public purpose governmental activities, including schools, public safety, highways and water and sewer uses.

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
<u>GENERAL PROJECTS:</u>			
Facilities Repair Program	\$18,867,396	\$2,000,000	\$582,200
Fleet Maintenance Facility	\$2,096,000	\$13,250,000	\$428,153
Harford County Agricultural Research and Exposition Center	\$1,250,000	\$200,000	\$40,455
Site Acquisition	\$19,007,761	\$5,000,000	\$669,817
1201 Technology Drive	\$0	\$1,000,000	\$27,900
Courthouse Building Repairs	\$9,800,000	\$0	\$273,420
Abingdon Library Window Replacement	\$589,000	\$0	\$15,785
45 South Main Street - Add Emergency Power Systems	\$600,000	\$0	\$59,788
Harford County Metro Area Network (HMAN)	\$16,200,000	\$0	\$434,160

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
<u>STORMWATER MANAGEMENT PROJECTS:</u>			
County Owned Watershed Restoration Improvements	\$6,150,000	\$400,000	\$182,745
Joppatowne Area Watershed Restoration	\$2,150,000	\$800,000	\$82,305
Middle Bynum Run Watershed Restoration Improvements	\$0	\$200,000	\$5,580
Plumtree Run Watershed Restoration	\$2,650,000	\$2,000,000	\$129,735
Sams Branch Watershed Restoration	\$770,000	\$100,000	\$24,273
Sunnyview Stream Restoration	\$700,000	\$1,500,000	\$61,380
Watershed Restoration Assessment	\$4,050,000	\$1,000,000	\$140,895
Watershed Restoration Improvements	\$1,650,000	\$0	\$46,035
Watershed Restoration Maintenance	\$160,000	\$0	\$4,464
Wheel Creek Watershed Restoration	\$1,300,000	\$150,000	\$40,455
Riverside Area Watershed Restoration	\$1,720,000	\$0	\$47,988
Upper Bynum Run Watershed Restoration Improvements	\$1,200,000	\$0	\$33,480
Bynum Run @ St. Andrews Way Stream Restoration	\$1,000,000	\$0	\$26,800

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
<u>PUBLIC SAFETY PROJECTS:</u>			
EMS Station	\$0	\$1,500,000	\$41,850
Emergency Operations Center	\$32,661,500	\$0	\$911,256
Mobile/Portable Radio System Upgrade	\$1,000,000	\$1,000,000	\$55,800
Multi-Agency Public Safety Mobile Command Center	\$0	\$1,800,000	\$50,220
<u>HARFORD COMMUNITY COLLEGE PROJECTS:</u>			
Chesapeake Welcome Center	\$0	\$1,040,000	\$29,016
Fallston Hall Renovations	\$3,040,000	\$335,000	\$94,163
Edgewood Hall Renovation & Expansion	\$3,772,000	\$0	\$374,260
<u>HARFORD COUNTY PUBLIC LIBRARIES PROJECTS:</u>			
Havre de Grace Expansion	\$6,720,000	\$0	\$629,162

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
<u>BOARD OF EDUCATION PROJECTS:</u>			
George D. Lisby HVAC Systemic Renovation	\$0	\$5,050,000	\$140,895
Havre de Grace Middle/High School Replacement	\$63,987,000	\$13,487,000	\$2,161,525
North Bend ES Central Plant & Fire Alarm Upgrade	\$0	\$1,221,000	\$34,066
Replacement Buses	\$1,476,623	\$0	\$59,169
Roof Replacement - Aberdeen Middle School	\$1,219,000	\$123,000	\$37,442
Roof Replacement - Hickory Elementary School	\$0	\$879,000	\$24,524
Roye Williams HVAC Systemic Renovation	\$0	\$6,980,000	\$194,742
Swimming Pool Renovations	\$247,887	\$0	\$6,916
Technology Infrastructure	\$2,400,822	\$0	\$66,983
Major HVAC Repairs	\$6,258,180	\$0	\$174,603
ADA Improvements	\$300,000	\$0	\$8,370
Bel Air ES HVAC Systemic Renovation & Open Space Enc	\$3,970,000	\$0	\$106,396
Center for Educational Opportunity - HVAC	\$2,220,000	\$0	\$61,380
Darlington ES Comprehensive HVAC Systemic Project	\$1,035,000	\$0	\$138,150

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
Fallston Chiller Replacement	\$446,000	\$0	\$11,953
Fallston HS Comprehensive HVAC Systemic Project	\$7,673,940	\$0	\$737,960
Fire Alarm and ER Communication	\$282,600	\$0	\$7,885
Homestead Wakefield ES Modernization	\$32,454	\$0	\$3,560
Joppatowne High School Systemic Project	\$7,400,000	\$0	\$206,460
North Harford High School Modernization	\$18,174,843	\$0	\$507,078
North Harford MS Domestic Water Improvements	\$1,000,000	\$0	\$45,000
Prospect Mill Elementary School HVAC	\$2,294,000	\$0	\$64,003
Red Pump Road Elementary School	\$26,080,080	\$0	\$727,634
Riverside Elementary School HVAC Systemic Renovation	\$4,097,607	\$0	\$42,300
Roof Replacement - Joppatowne High School	\$1,115,000	\$0	\$31,109
Roof Replacement - North Harford Elementary School	\$495,000	\$0	\$13,811
Roofing Replacement 07	\$202,495	\$0	\$5,650
William Paca/Old Post ES Open Space Enclosure	\$1,261,000	\$0	\$35,182

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
<u>SOLID WASTE PROJECTS:</u>			
Solid Waste Facilities Repair Program	\$0	\$1,000,000	\$27,900
HWDC Compost Area Facilities	\$525,000	\$0	\$14,678
HWDC Expansion	\$19,001,127	\$0	\$530,131
Tollgate Landfill Gas System	\$650,000	\$0	\$18,135
Tollgate Yard Trim Recycling Center	\$949,314	\$0	\$26,486
<u>PARKS AND RECREATION PROJECTS:</u>			
Athletic Field Improvements	\$10,400,000	\$2,500,000	\$359,910
Cedar Lane Sports Complex Improvements	\$100,000	\$0	\$8,623
Magnolia Complex Development	\$1,650,000	\$0	\$66,075
Churchville Complex Development	\$7,176,830	\$0	\$653,243
Enlarged Gymnasiums & Joint Facilities	\$1,200,000	\$0	\$60,000
Heavenly Waters Park	\$1,100,000	\$0	\$117,474
Schucks Road Regional Complex	\$2,530,000	\$0	\$222,404
TOTAL ESTIMATED ANNUAL DEBT SERVICE - GENERAL FUND:			\$13,303,343

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
<u>HIGHWAYS PROJECTS:</u>			
Abingdon Road Bridge #169 over CSX	\$200,000	\$50,000	\$6,975
Bridge Rehabilitation	\$0	\$2,000,000	\$55,800
Chestnut Hill Bridge #40	\$348,000	\$40,000	\$10,825
Grier Nursery Road Bridge #43	\$0	\$100,000	\$2,790
Hookers Mill Road Bridge #13	\$0	\$100,000	\$2,790
Johnson Mill Road Bridge #45	\$260,000	\$90,000	\$9,765
Phillips Mill Road Bridge #70	\$100,000	\$650,000	\$20,925
Stafford Road Bridge #24	\$65,000	\$100,000	\$4,604
Carrs Mill Road Bridge #216	\$100,000	\$0	\$9,976
Glen Cove Road Bridge #156	\$200,000	\$0	\$5,580

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
Green Road Bridges #119 and #122	\$879,558	\$0	\$23,572
New Park Road Bridge #125	\$925,000	\$0	\$2,220
Robinson Mill Road Bridge #154	\$185,000	\$0	\$5,162
Snake Lane Bridge #31	\$900,000	\$0	\$25,110
Intersection Improvements	\$0	\$1,085,000	\$30,272
Schucks Road Improvements	\$400,000	\$150,000	\$15,345
Spesutia Road Reconstruction/Upgrade	\$0	\$250,000	\$6,975
Woodley Road Extension to MD 715	\$0	\$1,250,000	\$34,875
MD 152/Oakmont Road/Port Lane	\$732	\$0	\$62
Moores Mill Road	\$6,730,975	\$0	\$187,794
Fleet Maintenance Facility	\$716,000	\$5,510,000	\$173,705
Highways Facilities Repair Program	\$0	\$100,000	\$2,790
TOTAL ESTIMATED ANNUAL DEBT SERVICE - HIGHWAYS FUND:			\$637,912

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

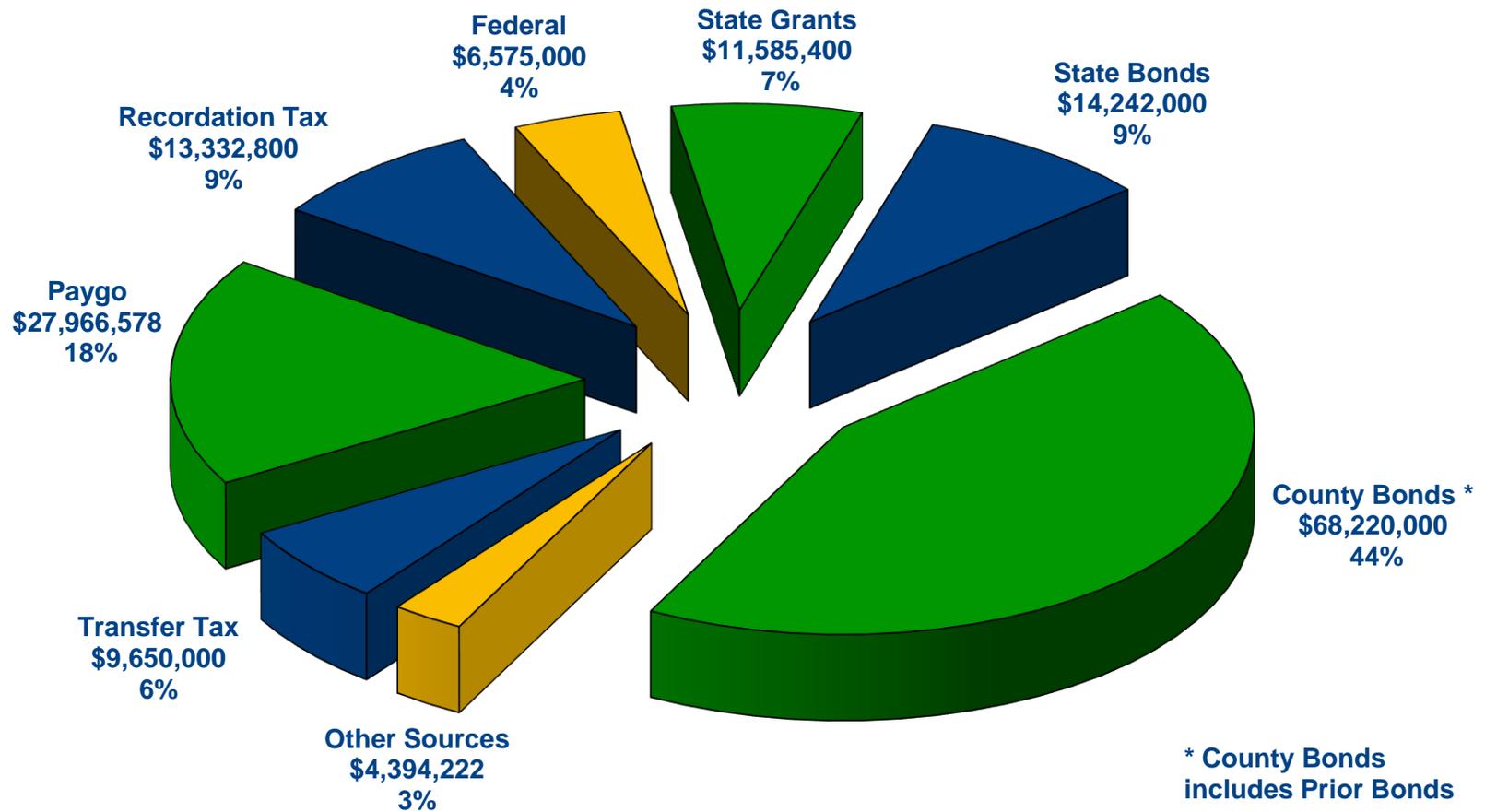
<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
<u>WATER AND SEWER PROJECTS:</u>			
Oak Grove Booster Station	\$0	\$330,000	\$9,207
Abingdon Road Water	\$8,300,000	(5,000,000)	\$92,070
Abingdon Water Treatment Plant pH Control System	\$250,000	\$2,500,000	\$76,725
Abingdon WTP Switch Gear/Generator Upgrade	\$0	\$150,000	\$4,185
Water and Sewer Facilities Repair Program	\$0	\$250,000	\$6,975
Fleet Maintenance Facility	\$140,000	\$1,080,000	\$34,038
Havre de Grace Water Treatment Plant Upgrade	\$150,000	\$1,000,000	\$32,085
Renewal and Replacement Water Infrastructure	\$300,000	\$1,000,000	\$36,270
Replacement of Water Booster Station SCADA	\$1,200,000	\$750,000	\$54,405
Perryman Wellfield Improvements	\$150,000	\$0	\$4,185
US 40 Water Main Replacement	\$200,000	\$0	\$5,580
Abingdon WTP Expansion	\$76,532,460	\$0	\$2,135,256
City of Baltimore - Deer Creek PS & Valve Improvements	\$3,700,000	\$0	\$295,830

PROJECTS THAT IMPACT DEBT SERVICE - ESTIMATED ANNUAL DEBT SERVICE

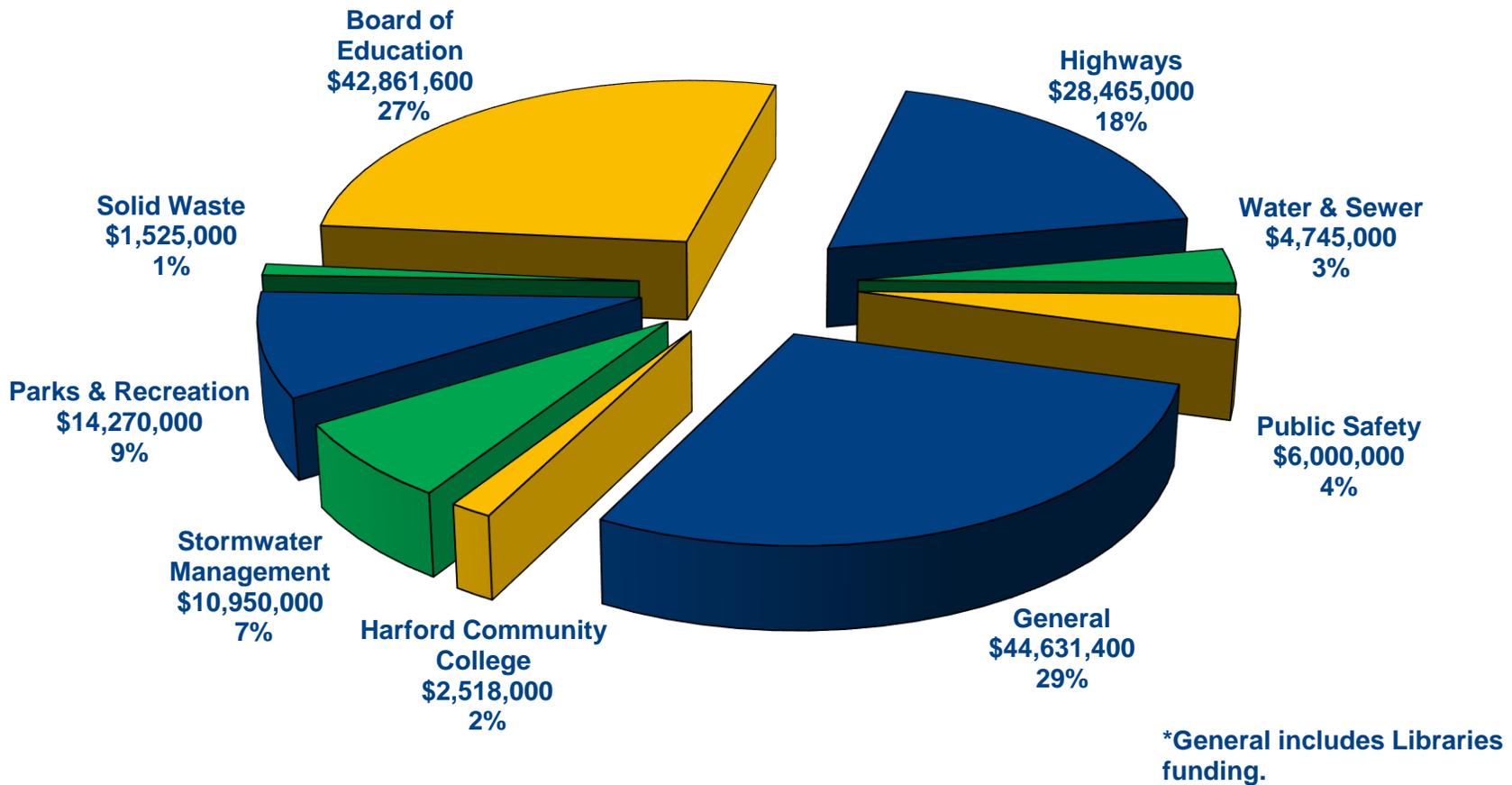
<u>Project Title/Purpose</u>	<u>Prior Bond Appropriation</u>	<u>FY 20 Bond Funding</u>	<u>Estimated Annual Debt Service</u>
City of Baltimore Raw Water Supply	\$3,300,000	\$0	\$308,142
Magnolia Booster Station	\$1,450,000	\$0	\$143,438
US 40 and Rt. 159 SHA Water Relocation	\$3,900,000	\$0	\$104,520
Lower Bynum Run Interceptor Phase 6&7	\$11,647,154	(\$3,000,000)	\$241,256
Magnolia Sewer Petition	\$0	\$85,000	\$2,372
Sod Run Facility Improvements	\$2,900,000	\$1,000,000	\$80,910
Woodridge Sewer Petition	\$0	\$385,000	\$10,742
Bio Solids Facilities Enhancements	\$8,700,000	\$0	\$242,730
Sod Run WWTP Ultraviolet Disinfection Project	\$3,000,000	\$0	\$83,700
Bill Bass PS FM Replacement	\$790,102	\$0	\$22,044
Brentwood Park Pumping Station Improvements	\$1,250,000	\$0	\$33,500
Bush Creek Pump Station	\$26,500,000	\$0	\$2,532,141
Edgewood Interceptor Sewer Parallel	\$650,000	\$0	\$47,074
Fallston Area Sewer	\$3,800,000	\$0	\$101,840
Hickory Sewer Infrastructure Improvement Project	\$3,000,000	\$0	\$83,700
Oaklyn Manor/Joppa Area Relief	\$1,005,000	\$0	\$87,098
TOTAL ESTIMATED ANNUAL DEBT SERVICE - WATER AND SEWER FUND:			\$6,912,018

**FY 20 APPROVED
CAPITAL BUDGET
SUMMARY**

**APPROVED CAPITAL BUDGET
REVENUES
FISCAL YEAR 2019 - 2020
TOTAL BUDGET \$155,966,000**



**APPROVED CAPITAL BUDGET
 APPROPRIATIONS
 FISCAL YEAR 2019 - 2020
 TOTAL BUDGET \$155,966,000**



FY 20 APPROVED CAPITAL BUDGET

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
GENERAL FUND													
GENERAL CAPITAL													
Board of Education Debt Service	23,216,000	0	0	0	0	2,900,400	9,650,000	10,665,600	0	0	0	0	0
Efficiency Capital Investment Program	65,400	0	25,000	0	0	0	0	0	40,400	0	0	0	0
Facilities Repair Program	2,150,000	0	0	0	2,000,000	0	0	0	150,000	0	0	0	0
Fleet Maintenance Facility	13,250,000	0	0	0	13,250,000	0	0	0	0	0	0	0	0
Fleet Replacement	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	0	0
Harford County Ag Research and Exposition Center	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Hazard / Flood Mitigation Assistance Program	500,000	0	0	0	0	0	0	0	0	500,000	0	0	0
1201 Technology Drive	2,000,000	0	0	0	1,000,000	0	0	0	1,000,000	0	0	0	0
Refresh Program	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	750,000	0	750,000	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	(5,000,000)	5,000,000	0	0	0	0	0	0	0	0
SUB-TOTAL GENERAL	44,381,400	0	3,025,000	(5,000,000)	21,450,000	2,900,400	9,650,000	10,665,600	1,190,400	0	500,000	0	0

STORMWATER MANAGEMENT

County Owned Stormwater Management Rehab and Repair*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
County Owned Watershed Restoration Improvements	400,000	0	0	0	400,000	0	0	0	0	0	0	0	0
Joppatowne Area Watershed Restoration	1,400,000	0	0	0	800,000	0	0	0	600,000	0	0	0	0
Maintenance/Repair of Dams*	400,000	0	50,000	0	0	0	0	0	0	0	0	0	350,000
Middle Bynum Run Watershed Restoration Improvements	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Plumtree Run Watershed Restoration	2,000,000	0	0	0	2,000,000	0	0	0	0	0	0	0	0
Sams Branch Watershed Restoration	1,100,000	0	0	0	100,000	0	0	0	1,000,000	0	0	0	0
Septic System Disconnection*	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Stormwater Pollution Prevention*	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Sunnyview Stream Restoration	2,700,000	0	0	0	1,500,000	0	0	0	1,200,000	0	0	0	0
Watershed Restoration Assessment	1,000,000	0	0	0	1,000,000	0	0	0	0	0	0	0	0
Watershed Restoration Improvements	1,200,000	0	0	0	0	0	0	0	1,000,000	0	200,000	0	0
Watershed Restoration Maintenance*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Wheel Creek Watershed Restoration	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0

*Special Dedicated Paygo

SUB-TOTAL STORMWATER MANAGEMENT	10,950,000	0	450,000	0	6,150,000	0	0	0	3,800,000	0	200,000	0	350,000
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FY 20 APPROVED CAPITAL BUDGET

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
GENERAL FUND													
PUBLIC SAFETY													
Aberdeen VFC Main Station Renovation	1,000,000	0	1,000,000	0	0	0	0	0	0	0	0	0	0
EMS Station	1,500,000	0	0	1,500,000	0	0	0	0	0	0	0	0	0
Emergency Operations Center Complex	(5,800,000)	0	0	(5,800,000)	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
Multi-Agency Public Safety Mobile Command Center	1,800,000	0	0	1,800,000	0	0	0	0	0	0	0	0	0
Next-Gen 911	5,150,000	0	600,000	0	0	0	0	0	4,550,000	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
VFC Facility Repair	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
VFC Public Safety Equipment	350,000	0	350,000	0	0	0	0	0	0	0	0	0	0
Whiteford VFC - Renovation of Main Station	500,000	0	500,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL PUBLIC SAFETY	6,000,000	0	2,950,000	(2,500,000)	1,000,000	0	0	0	4,550,000	0	0	0	0
HARFORD COMMUNITY COLLEGE													
Chesapeake Welcome Center	2,183,000	0	0	0	1,040,000	0	0	0	1,143,000	0	0	0	0
Fallston Hall Renovations	335,000	0	0	0	335,000	0	0	0	0	0	0	0	0
SUB-TOTAL HARFORD COMMUNITY COLLEGE	2,518,000	0	0	0	1,375,000	0	0	0	1,143,000	0	0	0	0
LIBRARIES													
Technology	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL LIBRARIES	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0

FY 20 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
George D. Lisby HVAC Systemic Renovation	9,250,000	0	0	0	5,050,000	0	0	0	4,200,000	0	0	0	0
Havre de Grace Middle/High School Replacement	13,487,000	0	0	0	13,487,000	0	0	0	0	0	0	0	0
North Bend Elementary School Central Plant and Fire Alarm	2,031,000	0	0	0	1,221,000	0	0	0	810,000	0	0	0	0
Relocatable Classrooms	(257,000)	0	(257,000)	0	0	0	0	0	0	0	0	0	0
Replacement Buses	1,296,000	0	1,296,000	0	0	0	0	0	0	0	0	0	0
Roof Replacement - Aberdeen Middle School	1,557,000	0	0	0	123,000	0	0	0	1,434,000	0	0	0	0
Roof Replacement - Hickory Elementary School	1,794,000	0	0	0	879,000	0	0	0	915,000	0	0	0	0
Roye Williams HVAC Systemic Renovation	11,720,000	0	0	0	6,980,000	0	0	0	4,740,000	0	0	0	0
Security Measures	421,600	0	421,600	0	0	0	0	0	0	0	0	0	0
Special Education Facilities Improvements	842,000	0	842,000	0	0	0	0	0	0	0	0	0	0
Swimming Pool Renovations	120,000	0	120,000	0	0	0	0	0	0	0	0	0	0
Technology Infrastructure	500,000	0	500,000	0	0	0	0	0	0	0	0	0	0

SUB-TOTAL BOARD OF EDUCATION	42,861,600	0	3,022,600	0	27,740,000	0	0	0	12,099,000	0	0	0	0
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SUB-TOTAL GENERAL FUND CAPITAL	106,961,000	0	9,697,600	(7,500,000)	57,715,000	2,900,400	9,650,000	10,665,600	22,782,400	0	700,000	0	350,000
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FY 20 APPROVED CAPITAL BUDGET

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
SOLID WASTE SERVICES													
SOLID WASTE SERVICES													
HWDC Landfill Capping	125,000	0	125,000	0	0	0	0	0	0	0	0	0	0
HWDC Pavement Upgrades	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
Solid Waste Facilities Repair Program	1,000,000	0	0	0	1,000,000	0	0	0	0	0	0	0	0
SUB-TOTAL SOLID WASTE CAPITAL	1,525,000	0	525,000	0	1,000,000	0	0	0	0	0	0	0	0
TOTAL ALL GENERAL FUND CAPITAL	108,486,000	0	10,222,600	(7,500,000)	58,715,000	2,900,400	9,650,000	10,665,600	22,782,400	0	700,000	0	350,000

FY 20 APPROVED CAPITAL BUDGET

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<u>PARKS & RECREATION FUND</u>													
<u>PARKS & RECREATION</u>													
Athletic Field Improvements	2,500,000	0	0	0	2,500,000	0	0	0	0	0	0	0	0
Cedar Lane Sports Complex Improvements	100,000	0	0	0	0	0	0	0	0	0	0	0	100,000
Darlington Park Development	90,000	0	0	0	0	0	0	20,000	0	70,000	0	0	0
Dog Park Construction and Improvements	90,000	0	0	0	0	72,800	0	17,200	0	0	0	0	0
Edgeley Grove Farm	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Edgewood Recreation and Community Center	125,000	0	0	0	0	0	0	125,000	0	0	0	0	0
Emmorton Recreation and Tennis Center Improvements*	250,000	0	50,000	0	0	150,000	0	50,000	0	0	0	0	0
Equestrian Center Improvements	100,000	0	0	0	0	0	0	0	0	0	0	0	100,000
Facility Renovations	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Gymnasium Floor Repair and Renovation	50,000	0	0	0	0	0	0	25,000	0	0	0	0	25,000
Mariner Point Park - DMP Site Remediation	100,000	0	0	0	0	0	0	0	100,000	0	0	0	0
Norrisville Park	125,000	0	0	0	0	125,000	0	0	0	0	0	0	0
Otter Point Creek Boat Launch	560,000	0	0	0	0	200,000	0	30,000	165,000	0	165,000	0	0
Parking Lot Paving	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Parkland Acquisition	1,780,000	0	0	0	0	0	0	0	0	1,780,000	0	0	0
Playground Equipment	325,000	0	0	0	0	0	0	100,000	0	200,000	0	25,000	0
Rock Glenn Park	1,200,000	0	0	0	0	0	0	800,000	0	0	0	0	400,000
Swan Harbor Farm Improvements*	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
SWM Pond Repair and Renovation	260,000	0	0	0	0	160,000	0	100,000	0	0	0	0	0
Tennis/Multipurpose Court	350,000	0	0	0	0	0	0	200,000	0	150,000	0	0	0
Tollgate Woodshop	15,000	0	0	0	0	0	0	0	0	0	0	0	15,000
Trails and Linear Parks	6,000,000	0	0	2,500,000	0	0	0	1,000,000	0	500,000	2,000,000	0	0

*Swan Harbor Special Paygo

TOTAL PARKS & RECREATION CAPITAL	14,270,000	0	100,000	2,500,000	2,500,000	707,800	0	2,667,200	265,000	2,700,000	2,165,000	25,000	640,000
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FY 20 APPROVED CAPITAL BUDGET

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

HIGHWAYS

BRIDGES

Abingdon Road Bridge #169 over CSX	250,000	0	0	0	50,000	0	0	0	0	0	200,000	0	0
Bridge and Road Scour Repairs	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program - Over 20' Spans	150,000	0	0	0	0	0	0	0	0	0	150,000	0	0
Bridge Inspection Program - Under 20' Spans	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Painting	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Bridge Rehabilitation	2,925,000	0	925,000	0	2,000,000	0	0	0	0	0	0	0	0
Chestnut Hill Bridge #40	200,000	0	0	0	40,000	0	0	0	0	0	160,000	0	0
Grier Nursery Road Bridge #43	500,000	0	0	0	100,000	0	0	0	0	0	400,000	0	0
Hookers Mill Road Bridge #13	500,000	0	0	0	100,000	0	0	0	0	0	400,000	0	0
Johnson Mill Road Bridge #45	90,000	0	0	0	90,000	0	0	0	0	0	0	0	0
Phillips Mill Road Bridge #70	2,950,000	0	0	0	650,000	0	0	0	0	0	2,300,000	0	0
Stafford Road Bridge #24	200,000	0	0	0	100,000	0	0	0	0	0	100,000	0	0
Structural Evaluation	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL BRIDGES	8,265,000	0	1,425,000	0	3,130,000	0	0	0	0	0	3,710,000	0	0

ROADWAYS

Guardrails	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	1,085,000	0	0	0	1,085,000	0	0	0	0	0	0	0	0
Schucks Road Improvements	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	250,000	0	0	0	250,000	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Trimble Road (Joppa Road to Garnett Road)	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Woodley Road Extension to MD 715	1,250,000	0	0	0	1,250,000	0	0	0	0	0	0	0	0
SUB-TOTAL ROADWAYS	2,960,000	0	225,000	0	2,735,000	0							

FY 20 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

RESURFACING

Resurfacing Roadways	8,725,000	0	8,725,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL RESURFACING	8,725,000	0	8,725,000	0									

OTHER

APG Gate PILOT	0	0	228,978	0	0	0	0	0	0	0	0	0	(228,978)
Efficiency Capital Investment Project	80,000	0	40,000	0	0	0	0	0	40,000	0	0	0	0
Fleet Maintenance Facility	5,510,000	0	0	0	5,510,000	0	0	0	0	0	0	0	0
Fleet Replacement	2,200,000	0	2,200,000	0	0	0	0	0	0	0	0	0	0
Highways Facilities Repair Program	100,000	0	0	0	100,000	0	0	0	0	0	0	0	0
Refresh Program	175,000	0	175,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL OTHER	8,515,000	0	3,093,978	0	5,610,000	0	0	0	40,000	0	0	0	(228,978)

TOTAL HIGHWAYS FUND CAPITAL	28,465,000	0	13,468,978	0	11,475,000	0	0	0	40,000	0	3,710,000	0	(228,978)
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FY 20 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 & SEWER FUND</u>													
<u>WATER PROJECTS</u>													
Abingdon Road Water	(5,000,000)	0	0	(5,000,000)	0	0	0	0	0	0	0	0	0
Abingdon Water Treatment Plant pH Control System	2,500,000	0	0	2,500,000	0	0	0	0	0	0	0	0	0
Abingdon WTP Switch Gear/Generator	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Central W&S Laboratory	85,000	0	85,000	0	0	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
Fleet Maintenance Facility	1,080,000	0	0	1,080,000	0	0	0	0	0	0	0	0	0
Fleet Replacement	1,060,000	0	1,060,000	0	0	0	0	0	0	0	0	0	0
Havre de Grace Water Treatment Plant Upgrade	1,000,000	0	0	1,000,000	0	0	0	0	0	0	0	0	0
Infrastructure Management System Enhancements	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Oak Grove Booster Station	330,000	0	0	330,000	0	0	0	0	0	0	0	0	0
Refresh Program	175,000	0	175,000	0	0	0	0	0	0	0	0	0	0
Renewal and Replacement Water Infrastructure	1,000,000	0	0	1,000,000	0	0	0	0	0	0	0	0	0
Replacement of Water Booster Station SCADA	750,000	0	0	750,000	0	0	0	0	0	0	0	0	0
Safeguarding Busines Operations	255,000	0	255,000	0	0	0	0	0	0	0	0	0	0
SCADA Information Management Systems	850,000	0	850,000	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
Water and Sewer Facilities Repair Program	250,000	0	0	0	250,000	0	0	0	0	0	0	0	0
Water and Sewer Infrastructure Improvements Projects	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Water Meter Upgrade	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL WATER PROJECTS	5,775,000	0	3,675,000	1,660,000	400,000	0	0	0	40,000	0	0	0	0
<u>SEWER PROJECTS</u>													
Infiltration and Inflow	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Lower Bynum Run Interceptor Phase 6 & 7	(3,000,000)	0	0	(3,000,000)	0	0	0	0	0	0	0	0	0
Magnolia Sewer Petition	85,000	0	0	0	85,000	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
Sod Run Facility Improvements	1,000,000	0	0	1,000,000	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
Woodridge Sewer Petition	385,000	0	0	340,000	45,000	0	0	0	0	0	0	0	0
SUB-TOTAL SEWER PROJECTS	(1,030,000)	0	500,000	(1,660,000)	130,000	0	0	0	0	0	0	0	0
TOTAL WATER & SEWER FUND CAPITAL	4,745,000	0	4,175,000	0	530,000	0	0	0	40,000	0	0	0	0
TOTAL APPROVED CAPITAL BUDGET	155,966,000	0	27,966,578	(5,000,000)	73,220,000	3,608,200	9,650,000	13,332,800	23,127,400	2,700,000	6,575,000	25,000	761,022

FISCAL YEAR 2020 APPROVED CAPITAL BUDGET HIGHLIGHTS

FISCAL YEAR 2020 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 2020 Capital Budget consists of 131 projects at a total cost of \$155,966,000. 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 2019, 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 2020 APPROVED CAPITAL BUDGET HIGHLIGHTS

FISCAL YEAR 2020 EXPENDITURES

The following is a brief description of capital projects for Fiscal Year 2020:

General Capital Projects

The County Capital Budget proposes 11 General projects for FY 2020, totaling \$44,381,400. Projects in the General category for FY 2020 include debt service for the Board of Education, a project to fund repairs and renovations to County buildings and structures; necessary fleet replacement; construction of a new fleet maintenance facility to be utilized jointly by Harford County and the public schools and roof repairs and other mechanical renovations to 1201 Technology Drive.

There are two Information and Communication Technology related projects that include a refresh program for Countywide computers and a disaster recovery plan for business continuity.

Stormwater Management

The FY 2020 Stormwater Management Capital budget consists of 14 projects and totals \$10,950,000. Under the National Pollutant Discharge Elimination System (NPDES) Permit, the County must assess potential watershed projects and then restore and improve watersheds to reduce pollutants and improve water quality. Funds will provide for stormwater enhancement, maintenance and repair of dams, as well as stream and watershed restorations.

Public Safety

Harford County continues to ensure that public safety providers have the necessary tools and technology to meet the County's growing demand for emergency services. The FY 2020 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 Public Safety equipment such as Self Contained Breathing Apparatus (SCBA's) and Electronic Monitor Defibrillators for first responders; mobile/portable radio system upgrades for public safety and public service; a multi-agency public safety mobile command center; and for the Volunteer Fire Companies to repair/renovate their existing stations to include systemic repairs, roofs, paving, etc.

Funds are also included in FY 2020 for renovation of the Whiteford and Aberdeen volunteer fire companies main stations; construction of a new County EMS station; and funds to upgrade 40 year old technology at our 911 Center with Next Generation Technologies.

FISCAL YEAR 2020 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 and improvements to our Special Education facilities. In addition the final phase of funding is provided for the replacement of Havre de Grace Middle/High School and the roof at Aberdeen Middle School. Funding is also included for HVAC systemic renovations at George D. Lisby and Roye Williams elementary schools; replacement of the Hickory elementary school roof; and replacement of chiller, cooling towers and fire alarms at North Bend elementary school; the replacement of 12 special needs buses that have reached the mandated state law for age of vehicle and continued funding for technology infrastructure.

Solid Waste Services Projects

The Solid Waste services capital budget has appropriated funding for renovations, repairs, and replacement of facilities to include site improvements, roofing, electrical, etc., as well as funding to continue planning, designing and construction of capping system and pavement upgrades.

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 2020, Harford County has appropriated funds for 22 projects totaling \$14,270,000. These projects include the development/improvements of many parks and complexes, trails, facility renovations, dredging, parkland acquisition, athletic field improvements (both natural and synthetic), and playground equipment replacements.

FISCAL YEAR 2020 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 29 projects funded for the Highways Capital budget, totaling \$28,465,000. The Highways budget is divided into four sections: Bridges, Roadways, Resurfacing, and "Other". In addition to the 1,070 miles of roadways and 225 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 2020 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 26 capital projects in FY 2020 totaling \$4,745,000. These projects continue to provide improvements and future growth to Harford County's existing infrastructure. Funding for FY 2020 provides infrastructure improvement projects, replacement of essential vehicles and equipment, construction of a new pH control system at the Abingdon Water Treatment Plant and 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 & REC.</u>	<u>TOTAL</u>
TOTAL FUND BALANCE AT JUNE 30, 2018	29,569,856	11,974,898	2,311,950	43,856,704
Less: Restricted Fund Balance				
Recordation and Transfer Tax	4,670,481	0	977,146	5,647,627
Bond Proceeds	19,394,585	0	0	19,394,585
Less: Unrestricted Fund Balance				
Appropriation of Fund Balance	267,506	215,802	0	483,308
Encumbrances	5,237,284	11,759,096	1,334,804	18,331,184
	<u>29,569,856</u>	<u>11,974,898</u>	<u>2,311,950</u>	<u>43,856,704</u>
Fund Balance Available for Appropriation at June 30, 2018				
Undesignated Fund Balance	0	0	0	0
Estimated Revenues - Open Project	637,002,750	122,846,827	86,305,020	846,154,597
Estimated Expenditures - Open Project	(636,963,968)	(122,840,523)	(85,879,658)	(845,684,149)
Fund Balance Available for Appropriation at June 30, 2019				
Undesignated Fund Balance	<u>38,782</u>	<u>6,304</u>	<u>425,362</u>	<u>470,448</u>
Fund Balance Available for Appropriation at June 30, 2019				
Undesignated Fund Balance	38,782	6,304	425,362	470,448
Estimated Revenues Fiscal Year 2020				
Paygo	10,222,600	13,468,978	100,000	23,791,578
Recordation Tax	10,665,600	0	2,667,200	13,332,800
Transfer Tax	9,650,000	0		9,650,000
Reappropriated from Prior Projects	2,900,400	0	707,800	3,608,200
Future Bonds	58,715,000	11,475,000	2,500,000	72,690,000
Prior Bonds	(7,500,000)	0	2,500,000	(5,000,000)
Federal Grant	700,000	3,710,000	2,165,000	6,575,000
State Bonds	14,242,000	0	0	14,242,000
State Grants	8,540,400	40,000	2,965,000	11,545,400
Developer Contribution	0	0	25,000	25,000
Other	350,000	(228,978)	640,000	761,022
Total Estimated Revenues Fiscal Year 2020	<u>108,486,000</u>	<u>28,465,000</u>	<u>14,270,000</u>	<u>151,221,000</u>
Estimated Expenditures Fiscal Year 2020	<u>(108,486,000)</u>	<u>(28,465,000)</u>	<u>(14,270,000)</u>	<u>(151,221,000)</u>
Fund Balance Available for Appropriation at June 30, 2020				
Undesignated Fund Balance	<u>38,782</u>	<u>6,304</u>	<u>425,362</u>	<u>470,448</u>

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

	<u><u>WATER & SEWER</u></u>
Unrestricted Net Assets June 30, 2018	0
Estimated Revenues - Open Projects	203,550,658
Estimated Expenditures - Open Projects	<u>(203,550,658)</u>
Estimated Unrestricted Net Assets June 30, 2019	<u><u>0</u></u>
 Estimated Revenues Fiscal Year 2020	
Paygo	4,175,000
Future Bonds	530,000
State	<u>40,000</u>
 Total Estimated Revenues Fiscal Year 2020	4,745,000
 Estimated Expenditures Fiscal Year 2020	(4,745,000)
 Estimated Unrestricted Net Assets June 30, 2020	<u><u>0</u></u>

<p>DEDICATED RECORDATION TAX</p> <p>STATEMENT OF ESTIMATED UNAPPROPRIATED FUND BALANCE</p>
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	BOARD OF EDUCATION	PARKS & RECREATION	STORMWATER MANAGEMENT DEBT SERVICE
UNDESIGNATED RECORDATION TAX FUND BALANCE			
AVAILABLE FOR APPROPRIATION AT JUNE 30, 2018	2,860,973	977,146	6,518,730
Plus Fiscal Year 2019 Estimated Recordation Tax Revenues	10,665,600	2,667,200	2,667,200
Plus Fiscal Year 2019 Estimated Other Revenue	0	0	124,021
Less Fiscal Year 2019 Estimated Expenditures	<u>(12,406,700)</u>	<u>(3,080,000)</u>	<u>(851,757)</u>
ESTIMATED RECORDATION TAX FUND BALANCE			
AVAILABLE FOR APPROPRIATION AT JUNE 30, 2019	1,119,873	564,346	8,458,194
Plus Fiscal Year 2020 Estimated Revenues:			
Plus Fiscal Year 2020 Estimated Recordation Tax Revenues	10,665,600	2,667,200	2,667,200
Plus Fiscal Year 2020 Estimated Recordation Tax Revenues	0	0	65,800
Less Fiscal Year 2020 Estimated Expenditures	<u>(11,765,600)</u>	<u>(3,227,200)</u>	<u>(2,733,000)</u>
ESTIMATED RECORDATION TAX FUND BALANCE			
AVAILABLE FOR APPROPRIATION AT JUNE 30, 2020	<u><u>19,873</u></u>	<u><u>4,346</u></u>	<u><u>8,458,194</u></u>

DEDICATED TRANSFER TAX
STATEMENT OF ESTIMATED UNAPPROPRIATED FUND BALANCE

	AGRICULTURAL PRESERVATION	BOARD OF EDUCATION
TOTAL FUND BALANCE AT JUNE 30, 2018	40,390,824	1,809,507
Plus Fiscal Year 2019 Estimated Revenues:		
Transfer Tax		
2019 Transfer Tax receipts	9,350,000	9,350,000
Other Revenues	4,270,000	0
Less Fiscal Year 2019 Estimated Expenditures	(23,799,536)	(9,350,000)
Less: Committed Fund Balance Designated for Other Purposes	<u>(19,617,798)</u>	<u>0</u>
UNDESIGNATED TRANSFER TAX FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2019	10,593,490	1,809,507
Plus Fiscal Year 2020 Estimated Revenues:		
Transfer Tax		
2020 Transfer Tax receipts	9,650,000	9,650,000
Other Revenue	3,077,000	0
Less Fiscal Year 2020 Estimated Expenditures	<u>(12,727,000)</u>	<u>(11,450,400)</u>
ESTIMATED TRANSFER TAX FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2020	<u>10,593,490</u>	<u>9,107</u>

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

	BOARD OF EDUCATION
UNDESIGNATED IMPACT FEE FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2018	0
Plus Fiscal Year 2019 Estimated Impact Fee Revenues	3,500,000
Less Fiscal Year 2019 Estimated Expenditures	<u>(3,500,000)</u>
ESTIMATE IMPACT FEE FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2019	0
Plus Fiscal Year 2020 Estimated Revenues:	
Fiscal Year 2020 Impact Fee Revenues	3,500,000
Less Fiscal Year 2020 Estimated Expenditures	<u>(3,500,000)</u>
ESTIMATED IMPACT FEE FUND BALANCE AVAILABLE FOR APPROPRIATION AT JUNE 30, 2020	<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 20.

RECORDATION TAX

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

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

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

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

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

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

DEDICATED CAPITAL FUNDING

For FY 20 Recordation Tax revenues are appropriated as follows:

Harford County's FY 20 Operating Budget **\$14,432,800**

From FY 20 Estimated Recordation Tax Receipts: **\$13,332,800**

Board of Education Debt Service **\$10,665,600**

Principal Payments	\$8,256,941
Interest Payments	2,408,659
	\$10,665,600

Stormwater Management Debt Service **\$2,667,200**

From Prior Year Recordation Tax Receipts **\$1,100,000**

Board of Education Debt Service **\$1,100,000**

Principal Payments	\$0
Interest Payments	1,100,000
	\$1,100,000

Harford County's FY 20 Capital Budget **\$2,667,200**

Parks & Recreation Projects **\$2,667,200**

Darlington Park Development	20,000
Dog Park Construction and Improvements	17,200
Edgeley Grove Farm	100,000
Edgewood Recreation and Community Ctr	125,000
Emmorton Recreation and Tennis Ctr	50,000
Facility Renovations	50,000
Gymnasium Floor Repair and Renovation	25,000
Otter Point Creek Boat Launch	30,000
Parking Lot Paving	50,000
Playground Equipment	100,000
Rock Glenn Park	800,000
SWM Pond Repair Renovation	100,000
Tennis / Multipurpose Courts	200,000
Trails and Linear Parks	1,000,000

Total Recordation Tax revenues appropriated for Fiscal Year 2020 **\$17,100,000**

DEDICATED CAPITAL FUNDING

TRANSFER TAX

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

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

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

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

For FY 20 Transfer Tax revenues are appropriated as follows:

Harford County's FY 20 Operating Budget

From FY 20 Estimated Transfer Tax Receipts: \$19,300,000

Agricultural Preservation Fund	\$9,650,000
Board of Education Debt Service	\$9,650,000

Principal Payments	\$6,678,052
Interest Payments	2,971,948
	\$9,650,000

From Prior Year Transfer Tax Receipts \$1,800,400

Board of Education Debt Service	
Principal Payments	\$461,590
Interest Payments	1,338,810
	\$1,800,400

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 2019 are presented in the following table:

Fiscal Year	Public Schools
2014	2,612,400
2015	2,560,800
2016	2,444,400
2017	2,707,200
2018	3,531,600
2019	3,000,000

**HARFORD COUNTY, MARYLAND
BOARD OF EDUCATION
DEDICATED RECORDATION TAX / DEDICATED TRANSFER TAX / IMPACT FEE / GENERAL FUNDS
FY 20 STATEMENT OF EXPENDITURES FOR SCHOOL DEBT SERVICE AND PAYGO CAPITAL PROJECTS**

FY 20 RECORDATION TAX AVAILABLE	10,665,600
PRIOR YEAR RECORDATION TAX	1,100,000
FY 20 TRANSFER TAX AVAILABLE	9,650,000
PRIOR YEAR TRANSFER TAX	1,800,400
IMPACT FEES APPROPRIATED	3,500,000
GENERAL FUNDS APPROPRIATED	7,988,889
TOTAL FUNDS AVAILABLE FOR SCHOOL DEBT SERVICE	34,704,889

FUNDS APPROPRIATED FOR SCHOOL DEBT SERVICE:

	PRINCIPAL						
	FY 20 RECORDATION	PRIOR YEAR RECORDATION	FY 20 TRANSFER	PRIOR YEAR TRANSFER	IMPACT FEE	FY 20 GENERAL FUNDS	TOTAL
Refunding Bonds of 2009	207,210						207,210
School Bonds of 2009	3,656,267				1,038,402		4,694,669
Refunding Bonds of 2010	1,103,762						1,103,762
School Bonds of 2010 Series A	3,289,702				2,461,598		5,751,300
School Bonds of 2010 Series B							0
Refunding Bonds of 2012			480,655				480,655
School Bonds of 2012			734,315				734,315
School Bonds of 2013			507,992				507,992
Refunding Bonds of 2013			4,762,032				4,762,032
School Bonds of 2014			193,058				193,058
School Bonds of 2015				461,590		129,302	590,892
Refunding Bonds of 2015							0
School Bonds of 2016						517,307	517,307
School Bonds of 2017						1,353,349	1,353,349
School Bonds of 2018						1,660,295	1,660,295
School Bonds of 2019						788,021	788,021
TOTAL	8,256,941	0	6,678,052	461,590	3,500,000	4,448,274	23,344,857

**HARFORD COUNTY, MARYLAND
BOARD OF EDUCATION
DEDICATED RECORDATION TAX / DEDICATED TRANSFER TAX / IMPACT FEE / GENERAL FUNDS
FY 20 STATEMENT OF EXPENDITURES FOR SCHOOL DEBT SERVICE AND PAYGO CAPITAL PROJECTS**

INTEREST

	FY 20 RECORDATION	PRIOR YEAR RECORDATION	FY 20 TRANSFER	PRIOR YEAR TRANSFER	IMPACT FEE	FY 20 GENERAL FUNDS	TOTAL
Refunding Bonds of 2009	8,288						8,288
School Bonds of 2009	93,893						93,893
Refunding Bonds of 2010	109,578						109,578
School Bonds of 2010 Series A	446,483						446,483
School Bonds of 2010 Series B	1,750,417	1,100,000	353,360				3,203,777
Refunding Bonds of 2012			57,487				57,487
School Bonds of 2012			310,785				310,785
School Bonds of 2013			255,490				255,490
Refunding Bonds of 2013			1,269,620				1,269,620
School Bonds of 2014			108,021				108,021
School Bonds of 2015						342,717	342,717
Refunding Bonds of 2015			617,185	1,338,810			1,955,995
School Bonds of 2016						300,038	300,038
School Bonds of 2017						892,843	892,843
School Bonds of 2018						1,216,996	1,216,996
School Bonds of 2019						788,021	788,021
TOTAL	2,408,659	1,100,000	2,971,948	1,338,810	0	3,540,615	11,360,032

**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	37,601,935	62.08%	23,344,857	8,256,941	0	6,678,052	461,590	3,500,000	4,448,274
Interest 662110 Interest	18,071,015	62.86%	11,360,032	2,408,659	1,100,000	2,971,948	1,338,810	0	3,540,615
Cost of Issuance 664110 Service Costs	640,000	0.00%	0	0	0	0	0	0	0
Total General Fund Debt Service	56,312,950	61.63%	34,704,889	10,665,600	1,100,000	9,650,000	1,800,400	3,500,000	7,988,889

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM				
					FY 2022	FY 2023	FY 2024	FY 2025	
GENERAL FUND									
GENERAL CAPITAL									
FY 20 Funded Projects									
Board of Education Debt Service 20	113,216,000	0	23,216,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000
Efficiency Capital Investment Projects	1,235,400	1,095,000	65,400	25,000	25,000	25,000	0	0	0
Facilities Repair Program	41,012,301	28,862,301	2,150,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Fleet Maintenance Facility	15,346,000	2,096,000	13,250,000	0	0	0	0	0	0
Fleet Replacement	23,040,000	11,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Harford County Agricultural Research and Exposition Ctr	1,600,000	1,400,000	200,000	0	0	0	0	0	0
Hazard / Flood Mitigation Assistance Program	500,000	0	500,000	0	0	0	0	0	0
1201 Technology Drive	2,000,000	0	2,000,000	0	0	0	0	0	0
Refresh Program	4,603,478	3,103,478	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Safeguarding Business Operations	17,525,400	16,775,400	750,000	0	0	0	0	0	0
Site Acquisition	27,257,761	24,757,761	0	500,000	500,000	500,000	500,000	500,000	500,000
Outyear Projects	0	0	0	0	0	0	0	0	0
Courthouse Building Repairs	10,534,900	10,034,900	0	500,000	0	0	0	0	0
Open Projects									
Aberdeen Library Roof and Windows	388,000	388,000	0	0	0	0	0	0	0
Abingdon Library Window Replacement	1,259,000	1,259,000	0	0	0	0	0	0	0
Edgewood Library Roof Replacement	221,400	221,400	0	0	0	0	0	0	0
45 South Main Street - Add Emergency Power Systems	600,000	600,000	0	0	0	0	0	0	0
Harford Cable Network High-Definition Upgrade	600,000	600,000	0	0	0	0	0	0	0
Harford County Metro Area Network (HMAN)	16,280,000	16,280,000	0	0	0	0	0	0	0
Repairs to 45 South Main Street Building	100,000	100,000	0	0	0	0	0	0	0
General Capital Total by Project	277,319,640	118,613,240	44,381,400	23,275,000	22,775,000	22,775,000	22,750,000	22,750,000	22,750,000
Paygo	52,335,996	37,985,996	3,025,000	2,275,000	2,275,000	2,275,000	2,250,000	2,250,000	2,250,000
Prior Paygo	0	0	0	0	0	0	0	0	0
Reappropriated	3,017,595	117,195	2,900,400	0	0	0	0	0	0
Future Bonds	34,450,000	0	21,450,000	3,000,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
Prior Bonds	68,410,157	73,410,157	(5,000,000)	0	0	0	0	0	0
Transfer Tax	54,650,000	0	9,650,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
Recordation Tax	55,665,600	0	10,665,600	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
State	3,675,100	2,484,700	1,190,400	0	0	0	0	0	0
Federal	3,225,692	2,725,692	500,000	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0	0
Other	329,500	329,500	0	0	0	0	0	0	0
Lease Purchase	1,560,000	1,560,000	0	0	0	0	0	0	0
General Capital Total by Fund	277,319,640	118,613,240	44,381,400	23,275,000	22,775,000	22,775,000	22,750,000	22,750,000	22,750,000

FY 20 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>													
Board of Education Debt Service	23,216,000	0	0	0	0	2,900,400	9,650,000	10,665,600	0	0	0	0	0
Efficiency Capital Investment Program	65,400	0	25,000	0	0	0	0	0	40,400	0	0	0	0
Facilities Repair Program	2,150,000	0	0	0	2,000,000	0	0	0	150,000	0	0	0	0
Fleet Maintenance Facility	13,250,000	0	0	0	13,250,000	0	0	0	0	0	0	0	0
Fleet Replacement	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	0	0
Harford County Ag Research and Exposition Center	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Hazard / Flood Mitigation Assistance Program	500,000	0	0	0	0	0	0	0	0	0	500,000	0	0
1201 Technology Drive	2,000,000	0	0	0	1,000,000	0	0	0	1,000,000	0	0	0	0
Refresh Program	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	750,000	0	750,000	0	0	0	0	0	0	0	0	0	0
Site Acquisition	0	0	0	(5,000,000)	5,000,000	0	0	0	0	0	0	0	0
SUB-TOTAL GENERAL	44,381,400	0	3,025,000	(5,000,000)	21,450,000	2,900,400	9,650,000	10,665,600	1,190,400	0	500,000	0	0

PROJECT: Board of Education Debt Service 20

GENERAL

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

A204101

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		23,216,000	23,216,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	113,216,000
Total Cost	0	23,216,000	23,216,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	113,216,000

FUNDING SCHEDULE

R1515 Recordation Tax		10,665,600	10,665,600	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	55,665,600
R1525 Transfer Tax		9,650,000	9,650,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	54,650,000
R8027 Reappropriated Rec. Tax		1,100,000	1,100,000						1,100,000
R8026 Reappropriated Transfer Tax		1,800,400	1,800,400						1,800,400
			0						0
			0						0
Total Funds	0	23,216,000	23,216,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	113,216,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended	0
Encumbered	0
Total	\$0

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 20-24 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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	271,500	20,000	291,500	10,000	10,000	10,000			321,500
Land Acquisition			0						0
Construction	325,000	25,400	350,400	15,000	15,000	15,000			395,400
Inspection Fees	23,500		23,500						23,500
Equipment/Furnishing	475,000	20,000	495,000						495,000
Total Cost	1,095,000	65,400	1,160,400	25,000	25,000	25,000	0	0	1,235,400

FUNDING SCHEDULE

R8750 Paygo	194,858	25,000	219,858	25,000	25,000	25,000			294,858
R8089 Reappropriated Paygo	55,142		55,142						55,142
R6999 Other	30,000		30,000						30,000
R3399 State Other	815,000	40,400	855,400						855,400
			0						0
			0						0
Total Funds	1,095,000	65,400	1,160,400	25,000	25,000	25,000	0	0	1,235,400

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	383,480
Encumbered	31,998
Total	\$415,478

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:

FY18/19 - Design and renovation of HCSO building at 45 S. Main St (roof,mechanical,plumbing,electrical, fire/safety systems).

FY19 - Design of Library Admin/Homeless Shelter, replacement of Fallston, Northern Precinct and Detention Center roofs.

FY 20 - HCSO Detention Center outdoor lights, gate and maint garage, paving of Fallston Library and Abingdon Library parking lots. Replacement of HVAC systems at 18 Office, Abingdon Library and F&O.

PROJECT STATUS:

F&O parking lot paved, HCSO building at 45 S. Main St. scheduled to be completed in May 2019. Design started for 212 elevator replacement.

Northern Precinct and Fallston Library roof replaced, Start construction of Library Admin/Homeless Shelter.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	3,049,093		3,049,093	100,000	100,000	100,000	100,000	200,000	3,649,093
Land Acquisition			0						0
Construction	25,263,756	2,150,000	27,413,756	1,900,000	1,900,000	1,900,000	1,900,000	1,800,000	36,813,756
Inspection Fees	549,452		549,452						549,452
Equipment/Furnishing			0						0
Total Cost	28,862,301	2,150,000	31,012,301	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	41,012,301

FUNDING SCHEDULE

R8750 Paygo	7,427,560		7,427,560						7,427,560
R7000 Future Bonds	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000
R3150 Federal - ARRA Funds	875,792		875,792						875,792
R3199 Federal Other	590,000		590,000						590,000
R3399 State Other	320,000	150,000	470,000						470,000
R6999 Other	119,500		119,500						119,500
R7100 Prior Bonds	18,867,396		18,867,396						18,867,396
R8089 Reappropriated Paygo	62,053		62,053						62,053
R3199 Federal Other	600,000		600,000						600,000
Total Funds	28,862,301	2,150,000	31,012,301	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	41,012,301

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$582,200

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 19,511,123

Encumbered 2,210,832

Total \$21,721,955

PROJECT: Fleet Maintenance Facility

GENERAL

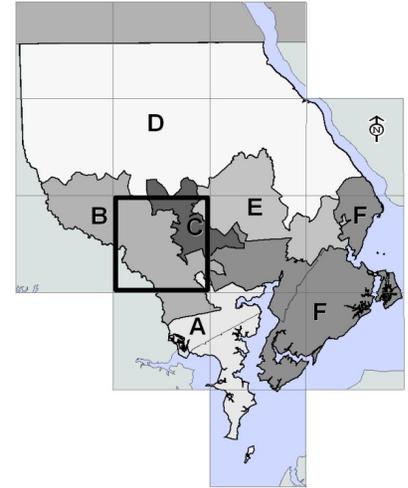
COUNCIL DISTRICT: C

LOCATION: Hickory

A164102

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides for engineering, design and construction of a new Fleet Maintenance/Radio Shop facility for Harford County and the Board of Education. This facility was listed as a high priority in the Countywide Facilities Master Plan Study.



PROJECT SCHEDULE:

FY19 - Design
FY20 Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	829,000		829,000						829,000
Land Acquisition			0						0
Construction	1,117,000	13,250,000	14,367,000						14,367,000
Inspection Fees			0						0
Equipment/Furnishing	150,000		150,000						150,000
Total Cost	2,096,000	13,250,000	15,346,000	0	0	0	0	0	15,346,000

FUNDING SCHEDULE

R7100 Prior Bonds	2,096,000		2,096,000						2,096,000
R7000 Future Bonds		13,250,000	13,250,000						13,250,000
			0						0
			0						0
			0						0
			0						0
Total Funds	2,096,000	13,250,000	15,346,000	0	0	0	0	0	15,346,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$428,153
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 886,539
Encumbered 118,970
Total \$1,005,509

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:

Ongoing

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	11,040,000	2,000,000	13,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	23,040,000
Total Cost	11,040,000	2,000,000	13,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	23,040,000

FUNDING SCHEDULE

R8750 Paygo	11,040,000	2,000,000	13,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	23,040,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	11,040,000	2,000,000	13,040,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	23,040,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	9,393,621
Encumbered	86,009
Total	\$9,479,630

PROJECT: Harford County Agricultural Research and Exposition Center

GENERAL

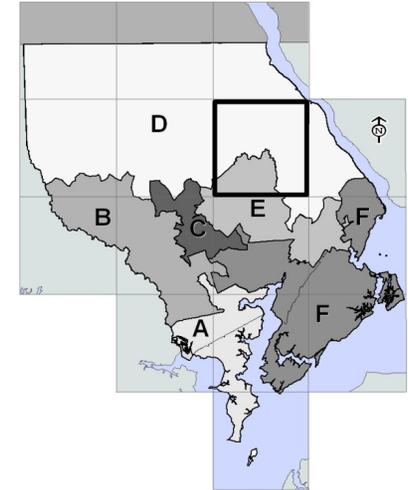
COUNCIL DISTRICT: D

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

FY19 Design and Construction of the Farmers Market Building
 FY20 Design of the walking trails

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	650,000	200,000	850,000	0	0	0	0	0	850,000
Land Acquisition			0						0
Construction	750,000		750,000						750,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,400,000	200,000	1,600,000	0	0	0	0	0	1,600,000

FUNDING SCHEDULE

R7100 Prior Bonds	1,250,000		1,250,000						1,250,000
R7920 State Bonds	150,000		150,000						150,000
R7000 Future Bonds		200,000	200,000	0	0	0	0	0	200,000
			0						0
			0						0
			0						0
Total Funds	1,400,000	200,000	1,600,000	0	0	0	0	0	1,600,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$40,455
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 153,217
 Encumbered 0
Total \$153,217

PROJECT: 1201 Technology Drive

GENERAL

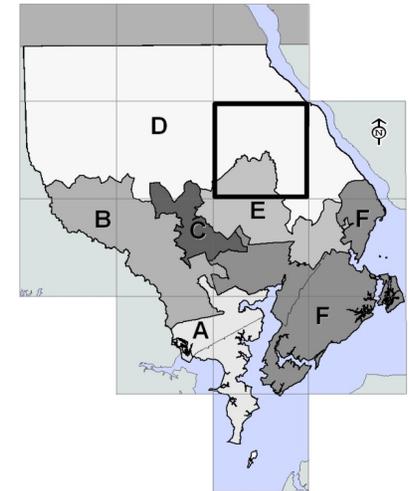
COUNCIL DISTRICT: D

LOCATION: Aberdeen

A204103

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides funds for repairs and renovations to the facility located at 1201 Technology Drive to include roof, mechanical, electrical and plumbing.



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		1,000,000	1,000,000						1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	1,000,000	1,000,000	0	0	0	0	0	1,000,000

FUNDING SCHEDULE

R7000 Future Bonds		1,000,000	1,000,000						1,000,000
R7920 State Bonds		1,000,000	1,000,000						1,000,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	2,000,000	2,000,000	0	0	0	0	0	2,000,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$27,900
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Refresh Program

GENERAL

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

A124103

PROJECT DESCRIPTION / JUSTIFICATION:

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



PROJECT SCHEDULE:

PROJECT STATUS:

Ongoing

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	3,103,478	250,000	3,353,478	250,000	250,000	250,000	250,000	250,000	4,603,478
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	3,103,478	250,000	3,353,478	250,000	250,000	250,000	250,000	250,000	4,603,478

FUNDING SCHEDULE

R8750 Paygo	100,972	250,000	350,972	250,000	250,000	250,000	250,000	250,000	1,600,972
R8750 Prior Paygo	3,002,506		3,002,506						3,002,506
			0						0
			0						0
			0						0
			0						0
Total Funds	3,103,478	250,000	3,353,478	250,000	250,000	250,000	250,000	250,000	4,603,478

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	2,875,176
Encumbered	68,835
Total	\$2,944,011

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 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. For FY 20 funds are provided to support the County's Business Continuity (Disaster Recovery Plan).



PROJECT SCHEDULE:

FY 20 - Business Continuity (Disaster Recovery)

PROJECT STATUS:

Ongoing

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	16,775,400	750,000	17,525,400						17,525,400
Total Cost	16,775,400	750,000	17,525,400	0	0	0	0	0	17,525,400

FUNDING SCHEDULE

R8750 Paygo	12,842,098	750,000	13,592,098						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
Total Funds	16,775,400	750,000	17,525,400	0	0	0	0	0	17,525,400

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	12,893,006
Encumbered	912,015
Total	<u>13,805,021</u>

PROJECT: Site Acquisition

GENERAL

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

A064109

PROJECT DESCRIPTION / JUSTIFICATION:

This project is 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.

Prior Federal (CDBG) and State (Community Legacy) funds were granted in 2007 to purchase Lee Court.



PROJECT STATUS:

This project is ongoing.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition	24,757,761		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
Total Cost	24,757,761	0	24,757,761	500,000	500,000	500,000	500,000	500,000	27,257,761

FUNDING SCHEDULE

R3199 Federal Other	525,000		525,000						525,000
R3399 State Other	225,000	0	225,000						225,000
R7100 Prior Bonds	19,007,761	0	19,007,761						19,007,761
R7945 Proceeds from IPA	5,000,000	(5,000,000)	0						0
R7000 Future Bonds		5,000,000	5,000,000	500,000	500,000	500,000	500,000	500,000	7,500,000
			0						0
Total Funds	24,757,761	0	24,757,761	500,000	500,000	500,000	500,000	500,000	27,257,761

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 669,817
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 18,504,941
 Encumbered 0
Total \$18,504,941

OUTYEAR PROJECTS

FY 20 - FY 24

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:

FY18/19 - New judge's chamber, jury room and vestibule entrance

FY19/20 - Security system update, non-historic masonry repairs and roof replacement, prisoner's elevator upgrade, fire alarm upgrade and fire pump assembly refurbish. Evaluation of the slate roof on the historic side.

PROJECT STATUS:

Historic and non-historic window project completed. Level B/3 project design completed and project under construction. Level B/3 scheduled to be completed in September 2019. Vestibule/Entrance way scheduled to be completed in April 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY2025	
Engineering/Design	1,035,000		1,035,000						1,035,000
Land Acquisition			0						0
Construction	8,699,900		8,699,900	500,000					9,199,900
Inspection Fees	300,000		300,000						300,000
Equipment/Furnishing			0						0
Total Cost	10,034,900	0	10,034,900	500,000	0	0	0	0	10,534,900

FUNDING SCHEDULE

R3150 Federal - ARRA Funds	134,900		134,900						134,900
R8750 Paygo	100,000		100,000						100,000
R7000 Future Bonds	0		0	500,000					500,000
R7100 Prior Bonds	9,800,000		9,800,000						9,800,000
R3399 State Other	0		0						0
			0						0
Total Funds	10,034,900	0	10,034,900	500,000	0	0	0	0	10,534,900

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$273,420
 Annual Operating/Maintenance Cost: < \$4,000
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 5,945,778
 Encumbered 2,116,587
Total \$8,062,365

OPEN/ACTIVE PROJECTS

PROJECT: Aberdeen Library Roof and Windows

GENERAL

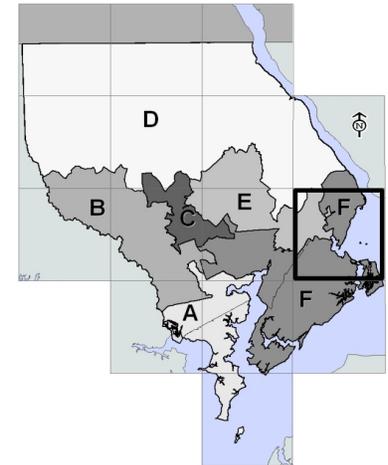
COUNCIL DISTRICT: E

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:

This project has been completed and will be removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	388,000		388,000						388,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	388,000	0	388,000	0	0	0	0	0	388,000

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
Total Funds	388,000	0	388,000	0	0	0	0	0	388,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	383,626
Encumbered	4,374
Total	\$388,000

PROJECT: Abingdon Library Window Replacement

GENERAL

COUNCIL DISTRICT: B

LOCATION: Abingdon

A194101

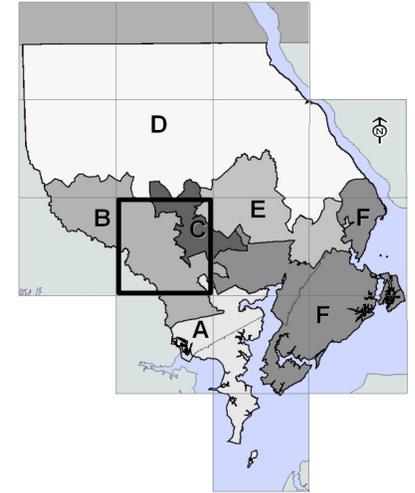
PROJECT DESCRIPTION / JUSTIFICATION:

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).

This project will also provide for five roof top units through a State Public Library grant program.

PROJECT SCHEDULE:

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



PROJECT STATUS: Project awarded and construction to start spring of 2019

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,259,000	0	1,259,000						1,259,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,259,000	0	1,259,000	0	0	0	0	0	1,259,000

FUNDING SCHEDULE

R7100 Prior Bonds	589,000	0	589,000						589,000
R3399 State Other	670,000	0	670,000						670,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,259,000	0	1,259,000	0	0	0	0	0	1,259,000

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 2/1/19:

Expended 1,089,000
 Encumbered 0
Total \$1,089,000

PROJECT: Edgewood Library Roof Replacement

GENERAL

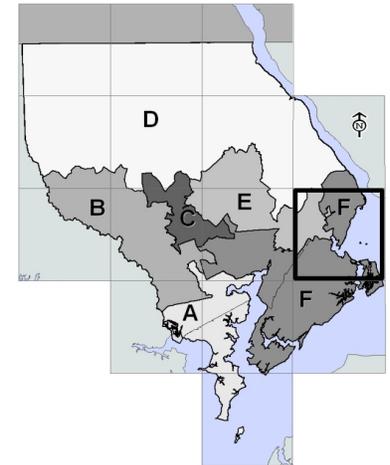
COUNCIL DISTRICT: A

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	221,400	0	221,400						221,400
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	221,400	0	221,400	0	0	0	0	0	221,400

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
Total Funds	221,400	0	221,400	0	0	0	0	0	221,400

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

Financial Activity as of 2/1/19:

Expended 169,806

Encumbered 0

Total \$169,806

PROJECT: 45 South Main Street - Add Emergency Power Systems

GENERAL

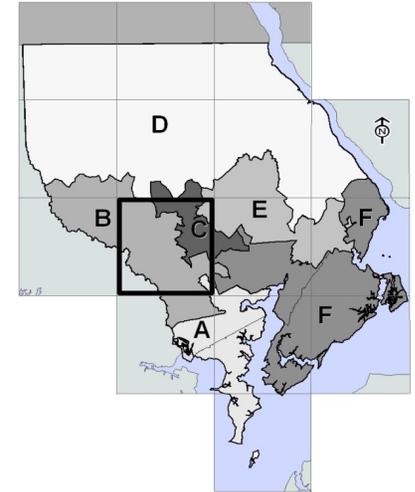
COUNCIL DISTRICT: C

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

This project will be completed and removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	600,000	0	600,000	0	0	0	0	0	600,000

FUNDING SCHEDULE

	Prior Appropriation	FY 2020 Budget	Appropriation Total	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL PROJECT COST
R7100 Prior Bonds	600,000	0	600,000						600,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	600,000	0	600,000	0	0	0	0	0	600,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$59,788
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	490,323
Encumbered	109,677
Total	\$600,000

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.



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	600,000		600,000						600,000
Total Cost	600,000	0	600,000	0	0	0	0	0	600,000

FUNDING SCHEDULE

R8750 Paygo	500,000		500,000						500,000
R6999 Other	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
Total Funds	600,000	0	600,000	0	0	0	0	0	600,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	16,280,000		16,280,000						16,280,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	16,280,000	0	16,280,000	0	0	0	0	0	16,280,000

FUNDING SCHEDULE

R7100 Prior Bonds	16,200,000		16,200,000						16,200,000
R6999 Other	80,000		80,000						80,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
Total Funds	16,280,000	0	16,280,000	0	0	0	0	0	16,280,000

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 2/1/19:

Expended 13,842,863
 Encumbered 683,196
Total \$14,526,059

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, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	100,000		100,000						100,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	100,000	0	100,000	0	0	0	0	0	100,000

FUNDING SCHEDULE

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

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	99,489
Encumbered	0
Total	\$99,489

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
GENERAL FUND								
STORMWATER MANAGEMENT								
<u>FY 20 Funded Projects</u>								
County Owned Stormwater Management Rehab & Repair	750,000	150,000	100,000	100,000	100,000	100,000	100,000	100,000
County Owned Watershed Restoration Improvements	28,525,000	10,400,000	400,000	3,225,000	3,475,000	3,575,000	3,675,000	3,775,000
Joppatowne Area Watershed Restoration	8,550,000	4,400,000	1,400,000	550,000	550,000	550,000	550,000	550,000
Maintenance/Repair of Dams	4,455,000	2,055,000	400,000	400,000	400,000	400,000	400,000	400,000
Middle Bynum Run Watershed Restoration Improvements	200,000	0	200,000	0	0	0	0	0
Plumtree Run Watershed Restoration	12,143,452	5,643,452	2,000,000	900,000	900,000	900,000	900,000	900,000
Sams Branch Watershed Restoration	5,772,922	2,672,922	1,100,000	400,000	400,000	400,000	400,000	400,000
Septic System Disconnection	700,000	150,000	50,000	300,000	50,000	50,000	50,000	50,000
Stormwater Pollution Prevention	1,931,395	1,031,395	150,000	150,000	150,000	150,000	150,000	150,000
Sunnyview Stream Restoration	4,692,220	1,992,220	2,700,000	0	0	0	0	0
Watershed Restoration Assessment	16,500,000	5,500,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Watershed Restoration Improvements	6,200,000	2,250,000	1,200,000	550,000	550,000	550,000	550,000	550,000
Watershed Restoration Maintenance	960,000	360,000	100,000	100,000	100,000	100,000	100,000	100,000
Wheel Creek Watershed Restoration	7,139,607	6,839,607	150,000	150,000	0	0	0	0
<u>Outyear Projects</u>								
Riverside Area Watershed Restoration	7,960,886	3,585,886	0	875,000	875,000	875,000	875,000	875,000
Upper Bynum Run Watershed Restoration Improvements	12,000,000	2,000,000	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
<u>Open Projects</u>								
Bynum Run @ St. Andrews Way Stream Restoration	2,997,026	2,997,026	0	0	0	0	0	0
Lilly Run Watershed Restoration	725,000	725,000	0	0	0	0	0	0
Stormwater Enhancement	900,000	900,000	0	0	0	0	0	0
Stormwater Management Total by Project	123,102,508	53,652,508	10,950,000	11,700,000	11,550,000	11,650,000	11,750,000	11,850,000
Paygo - Special Dedicated Paygo	7,015,740	4,065,740	450,000	700,000	450,000	450,000	450,000	450,000
Prior Paygo	0	0	0	0	0	0	0	0
Prior Bonds	23,500,000	23,500,000	0	0	0	0	0	0
Future Bonds	40,400,000	0	6,150,000	6,650,000	6,750,000	6,850,000	6,950,000	7,050,000
Reappropriated	1,971,768	1,971,768	0	0	0	0	0	0
Recordation Tax	200,000	200,000	0	0	0	0	0	0
State	39,007,016	17,457,016	3,800,000	3,550,000	3,550,000	3,550,000	3,550,000	3,550,000
Federal	5,747,984	3,297,984	200,000	450,000	450,000	450,000	450,000	450,000
Developer	85,000	85,000	0	0	0	0	0	0
Other	5,175,000	3,075,000	350,000	350,000	350,000	350,000	350,000	350,000
Stormwater Management Total by Fund	123,102,508	53,652,508	10,950,000	11,700,000	11,550,000	11,650,000	11,750,000	11,850,000

FY 20 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

STORMWATER MANAGEMENT

County Owned Stormwater Management Rehab and Repair*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
County Owned Watershed Restoration Improvements	400,000	0	0	0	400,000	0	0	0	0	0	0	0	0
Joppatowne Area Watershed Restoration	1,400,000	0	0	0	800,000	0	0	0	600,000	0	0	0	0
Maintenance/Repair of Dams*	400,000	0	50,000	0	0	0	0	0	0	0	0	0	350,000
Middle Bynum Run Watershed Restoration Improvements	200,000	0	0	0	200,000	0	0	0	0	0	0	0	0
Plumtree Run Watershed Restoration	2,000,000	0	0	0	2,000,000	0	0	0	0	0	0	0	0
Sams Branch Watershed Restoration	1,100,000	0	0	0	100,000	0	0	0	1,000,000	0	0	0	0
Septic System Disconnection*	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Stormwater Pollution Prevention*	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Sunnyview Stream Restoration	2,700,000	0	0	0	1,500,000	0	0	0	1,200,000	0	0	0	0
Watershed Restoration Assessment	1,000,000	0	0	0	1,000,000	0	0	0	0	0	0	0	0
Watershed Restoration Improvements	1,200,000	0	0	0	0	0	0	0	1,000,000	0	200,000	0	0
Watershed Restoration Maintenance*	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Wheel Creek Watershed Restoration	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0

*Special Dedicated Paygo

SUB-TOTAL STORMWATER MANAGEMENT	10,950,000	0	450,000	0	6,150,000	0	0	0	3,800,000	0	200,000	0	350,000
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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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	150,000	100,000	250,000	100,000	100,000	100,000	100,000	100,000	750,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	150,000	100,000	250,000	100,000	100,000	100,000	100,000	100,000	750,000

FUNDING SCHEDULE

R8750 Special Dedicated Paygo	150,000	100,000	250,000	100,000	100,000	100,000	100,000	100,000	750,000
									0
Total Funds	150,000	100,000	250,000	100,000	100,000	100,000	100,000	100,000	750,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: County Owned Watershed Restoration Improvements

STORMWATER MANAGEMENT

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

A164105

PROJECT DESCRIPTION / JUSTIFICATION:

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

PROJECT SCHEDULE:

- Homestead Elementary Stormwater Retrofit (Design 100% complete)
- Church Creek ES SWM Retrofit and Stream Restoration (Design 95% complete)
- Annie's Playground Stream Restoration (Design 95% complete)
- Heavenly Wetland and Stream Creation (Design 75% complete)
- Magnolia Middle Stream Restoration (Design 75% complete)
- Jarrettsville Elementary SWM Retrofit (planning)
- C Milton Wright SWM Retrofit and Stream Restoratin (planning)
- Jarrettsville Highway shope SWM Retrofit (planning)
- Mt. Royal Maintenance (design 50% complete)

PROJECT STATUS:



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	2,510,000		2,510,000	850,000	850,000	850,000	850,000	850,000	6,760,000
Land Acquisition			0						0
Construction	6,675,000	300,000	6,975,000	1,975,000	2,225,000	2,325,000	2,425,000	2,525,000	18,450,000
Inspection Fees	1,215,000	100,000	1,315,000	400,000	400,000	400,000	400,000	400,000	3,315,000
Equipment/Furnishing			0						0
Total Cost	10,400,000	400,000	10,800,000	3,225,000	3,475,000	3,575,000	3,675,000	3,775,000	28,525,000

FUNDING SCHEDULE

R7100 Prior Bonds	6,150,000		6,150,000						6,150,000
R3320 State DNR/SWM	3,950,000		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		400,000	400,000	2,000,000	2,250,000	2,350,000	2,450,000	2,550,000	12,000,000
Total Funds	10,400,000	400,000	10,800,000	3,225,000	3,475,000	3,575,000	3,675,000	3,775,000	28,525,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$182,745
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 2,423,173
 Encumbered 1,608,073
Total \$4,031,246

PROJECT: Joppatowne Area Watershed Restoration

STORMWATER MANAGEMENT

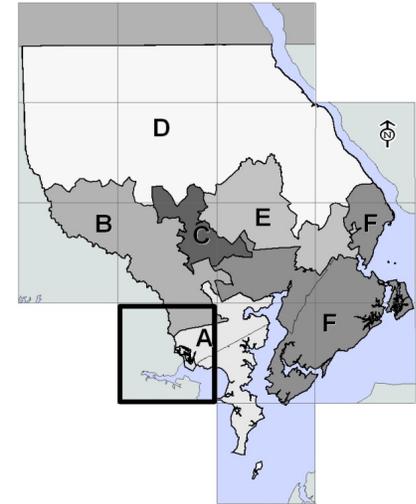
COUNCIL DISTRICT: A

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 Stillmeadow (Design 65% complete)

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	1,415,000	575,000	1,990,000	175,000	175,000	175,000	175,000	175,000	2,865,000
Land Acquisition			0						0
Construction	2,650,000	725,000	3,375,000	325,000	325,000	325,000	325,000	325,000	5,000,000
Inspection Fees	335,000	100,000	435,000	50,000	50,000	50,000	50,000	50,000	685,000
Equipment/Furnishing			0						0
Total Cost	4,400,000	1,400,000	5,800,000	550,000	550,000	550,000	550,000	550,000	8,550,000

FUNDING SCHEDULE

R8750 Paygo	300,000		300,000						300,000
R7100 Prior Bonds	2,150,000		2,150,000						2,150,000
R3320 State DNR/SWM	1,550,000	600,000	2,150,000	150,000	150,000	150,000	150,000	150,000	2,900,000
R3199 Federal Other	175,000		175,000						175,000
R8089 Reappropriated Paygo	225,000		225,000						225,000
R7000 Future Bonds		800,000	800,000	400,000	400,000	400,000	400,000	400,000	2,800,000
Total Funds	4,400,000	1,400,000	5,800,000	550,000	550,000	550,000	550,000	550,000	8,550,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$82,305
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 1,800,389
 Encumbered 52,980
Total \$1,853,369

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	2,055,000	400,000	2,455,000	400,000	400,000	400,000	400,000	400,000	4,455,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	2,055,000	400,000	2,455,000	400,000	400,000	400,000	400,000	400,000	4,455,000

FUNDING SCHEDULE

R8750 Paygo	95,000		95,000						95,000
R1515 Recordation Tax	60,000		60,000						60,000
R8750 Special Dedicated Paygo	200,000	50,000	250,000	50,000	50,000	50,000	50,000	50,000	500,000
R6999 Other	1,200,000	100,000	1,300,000	100,000	100,000	100,000	100,000	100,000	1,800,000
R1602 Special Assessment	500,000	250,000	750,000	250,000	250,000	250,000	250,000	250,000	2,000,000
Total Funds	2,055,000	400,000	2,455,000	400,000	400,000	400,000	400,000	400,000	4,455,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	526,754
Encumbered	0
Total	<u>526,754</u>

PROJECT: Middle Bynum Run Watershed Restoration Improvements

STORMWATER MANAGEMENT

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

A204104

PROJECT DESCRIPTION / JUSTIFICATION:

The Middle Bynum Run Watershed (5,500 acres) is located between MD Route 22 and the confluence with Little Bynum Run. Assessments of the watershed will provide prioritized recommendations for restoration projects, including stream restorations and stormwater management retrofits that provide the most cost effective improvements to water quality. Water quality restoration projects are required under the County's municipal NPDES or MS4 permit and through the Chesapeake Bay Watershed Implementation Plan as required under the Bay TMDL.



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		200,000	200,000						200,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	200,000	200,000	0	0	0	0	0	200,000

FUNDING SCHEDULE

R3320 State DNR/SWM			0						0
R7100 Prior Bonds			0						0
R7000 Future Bonds		200,000	200,000						200,000
Total Funds	0	200,000	200,000	0	0	0	0	0	200,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$5,580
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Plumtree Run Watershed Restoration

STORMWATER MANAGEMENT

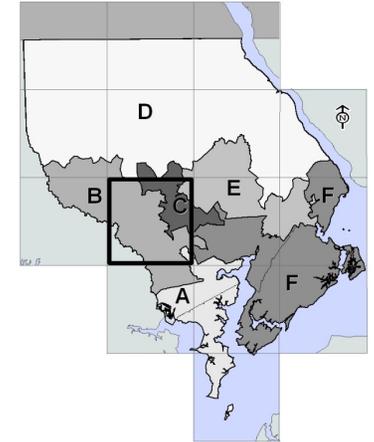
COUNCIL DISTRICT: C

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 100% complete)
 Wakefield Stream Restoration (Design 95% complete)

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	1,193,452		1,193,452	175,000	175,000	175,000	175,000	175,000	2,068,452
Land Acquisition			0						0
Construction	3,700,000	1,750,000	5,450,000	600,000	600,000	600,000	600,000	600,000	8,450,000
Inspection Fees	750,000	250,000	1,000,000	125,000	125,000	125,000	125,000	125,000	1,625,000
Equipment/Furnishing			0						0
Total Cost	5,643,452	2,000,000	7,643,452	900,000	900,000	900,000	900,000	900,000	12,143,452

FUNDING SCHEDULE

R8750 Paygo	75,000		75,000						75,000
R3320 State DNR/SWM	2,050,000		2,050,000	150,000	150,000	150,000	150,000	150,000	2,800,000
R3199 Federal Other	525,000		525,000	350,000	350,000	350,000	350,000	350,000	2,275,000
R7100 Prior Bonds	2,650,000		2,650,000						2,650,000
R8089 Reappropriated Paygo	343,452		343,452						343,452
R7000 Future Bonds		2,000,000	2,000,000	400,000	400,000	400,000	400,000	400,000	4,000,000
Total Funds	5,643,452	2,000,000	7,643,452	900,000	900,000	900,000	900,000	900,000	12,143,452

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$129,735
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 2,094,034
 Encumbered 145,615
Total \$2,239,649

PROJECT: Sams Branch Watershed Restoration

STORMWATER MANAGEMENT

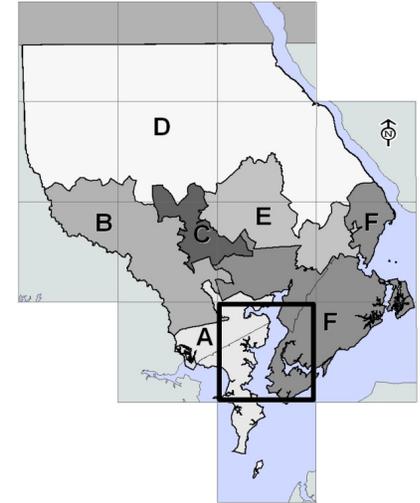
COUNCIL DISTRICT: A

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	922,922	500,000	1,422,922	100,000	100,000	100,000	100,000	100,000	1,922,922
Land Acquisition	0		0						0
Construction	1,575,000	500,000	2,075,000	250,000	250,000	250,000	250,000	250,000	3,325,000
Inspection Fees	175,000	100,000	275,000	50,000	50,000	50,000	50,000	50,000	525,000
Equipment/Furnishing	0		0						0
Total Cost	2,672,922	1,100,000	3,772,922	400,000	400,000	400,000	400,000	400,000	5,772,922

FUNDING SCHEDULE

R8750 Paygo	350,000		350,000						350,000
R7100 Prior Bonds	770,000		770,000						770,000
R3320 State DNR/SWM	1,350,000	1,000,000	2,350,000	100,000	100,000	100,000	100,000	100,000	2,850,000
R3199 Federal Other	150,000		150,000						150,000
R8089 Reappropriated Paygo	52,922		52,922						52,922
R7000 Future Bonds		100,000	100,000	300,000	300,000	300,000	300,000	300,000	1,600,000
Total Funds	2,672,922	1,100,000	3,772,922	400,000	400,000	400,000	400,000	400,000	5,772,922

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$24,273
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 310,586
 Encumbered 89,346
Total \$399,932

PROJECT: Septic System Disconnection

STORMWATER MANAGEMENT

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

M174112

PROJECT DESCRIPTION / JUSTIFICATION:

As outlined the "Accounting for Stormwater Wasteload Allocations and Impervious Acres Treated", counties can receive watershed restoration credit towards their MS4 permit for septic systems that are connected to sanitary sewer. Funding to support these types of activities is limited and provide limited incentive for property owners. In coordination with the Harford County Health Department and Harford County Water and Sewer, the capital account will provide supplemental funding to help implement these types of projects.



PROJECT SCHEDULE:

- Trimble Road (2019)
- Freys Road (2020)
- Bagley (2020)
- Magnolia (2021)
- Woodridge (2021)

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	150,000	50,000	200,000	300,000	50,000	50,000	50,000	50,000	700,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	150,000	50,000	200,000	300,000	50,000	50,000	50,000	50,000	700,000

FUNDING SCHEDULE

R8750 Special Dedicated Paygo	150,000	50,000	200,000	300,000	50,000	50,000	50,000	50,000	700,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	150,000	50,000	200,000	300,000	50,000	50,000	50,000	50,000	700,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	4,500
Encumbered	0
Total	\$4,500

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2022	FY 2024	FY 2025	
Engineering/Design	876,395	150,000	1,026,395	150,000	150,000	150,000	150,000	150,000	1,776,395
Land Acquisition			0						0
Construction	130,000		130,000						130,000
Inspection Fees	25,000		25,000						25,000
Equipment/Furnishing			0						0
Total Cost	1,031,395	150,000	1,181,395	150,000	150,000	150,000	150,000	150,000	1,931,395

FUNDING SCHEDULE

R8750 Paygo	300,000		300,000						300,000
R1515 Recordation Tax	140,000		140,000						140,000
R3320 State DNR/SWM	50,000		50,000						50,000
R8089 Reappropriated Paygo	141,395		141,395						141,395
R8750 Special Dedicated Paygo	400,000	150,000	550,000	150,000	150,000	150,000	150,000	150,000	1,300,000
			0						0
Total Funds	1,031,395	150,000	1,181,395	150,000	150,000	150,000	150,000	150,000	1,931,395

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	685,992
Encumbered	72,972
Total	\$758,964

PROJECT: Sunnyview Stream Restoration

STORMWATER MANAGEMENT

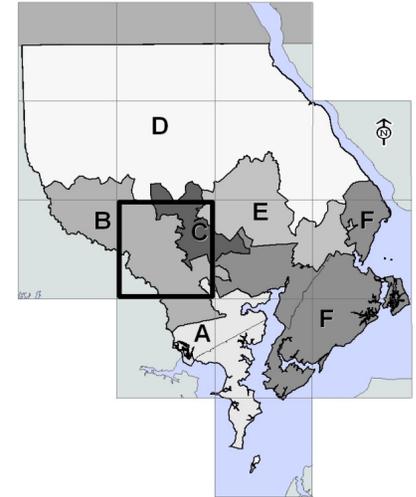
COUNCIL DISTRICT: C

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:

Design update and expansion (planning)

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	310,000	500,000	810,000						810,000
Land Acquisition	845,000		845,000						845,000
Construction	637,220	2,000,000	2,637,220						2,637,220
Inspection Fees	200,000	200,000	400,000						400,000
Equipment/Furnishing			0						0
Total Cost	1,992,220	2,700,000	4,692,220	0	0	0	0	0	4,692,220

FUNDING SCHEDULE

R7100 Prior Bonds	700,000		700,000						700,000
R3320 State DNR/SWM	1,025,000	1,200,000	2,225,000						2,225,000
R8089 Reappropriated Paygo	267,220		267,220						267,220
R7000 Future Bonds		1,500,000	1,500,000						1,500,000
Total Funds	1,992,220	2,700,000	4,692,220	0	0	0	0	0	4,692,220

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$61,380
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 260,229
 Encumbered 264,861
Total \$525,090

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 (75% complete) / Upper Bynum Run (95% complete)
- Basin Watershed Assessments
- Watershed Restoration Plans Updates (TMDL) - Bynum Run (50%), Chesapeake Bay (50%)

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 20 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	5,500,000	1,000,000	6,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	16,500,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	5,500,000	1,000,000	6,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	16,500,000

FUNDING SCHEDULE

R7100 Prior Bonds	4,050,000		4,050,000						4,050,000
R3320 State DNR/SWM	1,025,000		1,025,000	300,000	300,000	300,000	300,000	300,000	2,525,000
R3199 Federal Other	425,000		425,000	100,000	100,000	100,000	100,000	100,000	925,000
R7000 Future Bonds		1,000,000	1,000,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	9,000,000
Total Funds	5,500,000	1,000,000	6,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	16,500,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$140,895
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 2,308,488
 Encumbered 1,009,837
Total \$3,318,325

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	545,000		545,000	125,000	125,000	125,000	125,000	125,000	1,170,000
Land Acquisition			0						0
Construction	1,460,000	1,000,000	2,460,000	350,000	350,000	350,000	350,000	350,000	4,210,000
Inspection Fees	245,000	200,000	445,000	75,000	75,000	75,000	75,000	75,000	820,000
Equipment/Furnishing			0						0
Total Cost	2,250,000	1,200,000	3,450,000	550,000	550,000	550,000	550,000	550,000	6,200,000

FUNDING SCHEDULE

R7100 Prior Bonds	1,650,000		1,650,000						1,650,000
R7000 Future Bonds			0	400,000	400,000	400,000	400,000	400,000	2,000,000
R3320 State DNR/SWM	525,000	1,000,000	1,525,000	150,000	150,000	150,000	150,000	150,000	2,275,000
R3199 Federal Other	75,000	200,000	275,000						275,000
			0						0
			0						0
Total Funds	2,250,000	1,200,000	3,450,000	550,000	550,000	550,000	550,000	550,000	6,200,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$46,035
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 282,177
 Encumbered 365,167
Total \$647,344

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	360,000	100,000	460,000	100,000	100,000	100,000	100,000	100,000	960,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	360,000	100,000	460,000	100,000	100,000	100,000	100,000	100,000	960,000

FUNDING SCHEDULE

R8750 Special Dedicated Paygo	200,000	100,000	300,000	100,000	100,000	100,000	100,000	100,000	800,000
R7100 Prior Bonds	160,000		160,000						160,000
R7000 Future Bonds									0
Total Funds	360,000	100,000	460,000	100,000	100,000	100,000	100,000	100,000	960,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$4,464
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 76,390
 Encumbered 36,344
Total \$112,734

PROJECT: Wheel Creek Watershed Restoration

STORMWATER MANAGEMENT

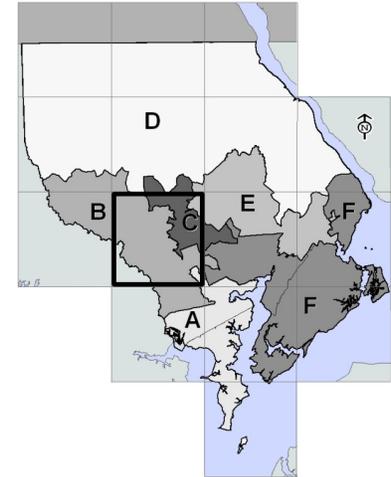
COUNCIL DISTRICT: B

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:

PROJECT STATUS:

All construction project have been completed that were recommended in the Wheel Creek Watershed Assessment. Funding through FY2021 covers post construction monitoring

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	2,409,607	150,000	2,559,607	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
Total Cost	6,839,607	150,000	6,989,607	150,000	0	0	0	0	7,139,607

FUNDING SCHEDULE

R8750 Paygo	1,267,818		1,267,818						1,267,818
R7100 Prior Bonds	1,300,000		1,300,000						1,300,000
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					300,000
Total Funds	6,839,607	150,000	6,989,607	150,000	0	0	0	0	7,139,607

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$40,455
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 5,797,995
 Encumbered 120,209
Total \$5,918,204

OUTYEAR PROJECTS

FY 20 - FY 24

PROJECT: Riverside Area Watershed Restoration

STORMWATER MANAGEMENT

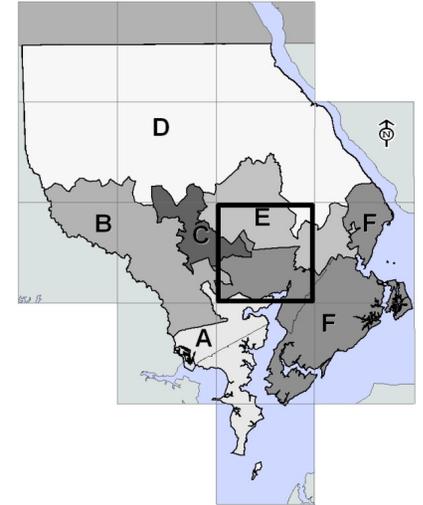
COUNCIL DISTRICT: F

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 75% complete)

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	860,886		860,886	150,000	150,000	150,000	150,000	150,000	1,610,886
Land Acquisition			0						0
Construction	2,400,000		2,400,000	600,000	600,000	600,000	600,000	600,000	5,400,000
Inspection Fees	325,000		325,000	125,000	125,000	125,000	125,000	125,000	950,000
Equipment/Furnishing			0						0
Total Cost	3,585,886	0	3,585,886	875,000	875,000	875,000	875,000	875,000	7,960,886

FUNDING SCHEDULE

R3320 State DNR/SWM	1,575,000		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	1,720,000		1,720,000						1,720,000
R8089 Reappropriated Paygo	215,886		215,886						215,886
R7000 Future Bonds			0	400,000	400,000	400,000	400,000	400,000	2,000,000
Total Funds	3,585,886	0	3,585,886	875,000	875,000	875,000	875,000	875,000	7,960,886

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$47,988
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 166,272
 Encumbered 110,267
Total \$276,539

PROJECT: Upper Bynum Run Watershed Restoration Improvements

STORMWATER MANAGEMENT

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

M184105

PROJECT DESCRIPTION / JUSTIFICATION:

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



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	850,000		850,000	500,000	500,000	500,000	500,000	500,000	3,350,000
Land Acquisition			0						0
Construction	850,000		850,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,850,000
Inspection Fees	300,000		300,000	300,000	300,000	300,000	300,000	300,000	1,800,000
Equipment/Furnishing			0						0
Total Cost	2,000,000	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000

FUNDING SCHEDULE

R3320 State DNR/SWM	800,000		800,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,800,000
R7100 Prior Bonds	1,200,000		1,200,000						1,200,000
R7000 Future Bonds			0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Total Funds	2,000,000	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$33,480
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 0
 Encumbered 0
 Total \$0

OPEN/ACTIVE PROJECTS

PROJECT: Bynum Run @ St. Andrews Way Stream Restoration

STORMWATER MANAGEMENT

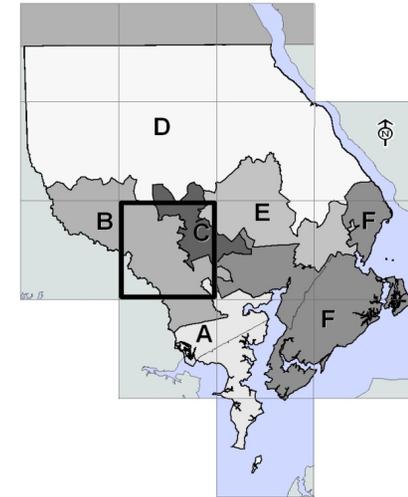
COUNCIL DISTRICT: C

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:

PROJECT STATUS:

Construction 40% complete, grant funded

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	145,000		145,000						145,000
Land Acquisition			0						0
Construction	2,497,026		2,497,026						2,497,026
Inspection Fees	355,000		355,000						355,000
Equipment/Furnishing			0						0
Total Cost	2,997,026	0	2,997,026	0	0	0	0	0	2,997,026

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	1,000,000		1,000,000						1,000,000
R7000 Future Bonds			0						0
R3320 State DNR/SWM	600,000		600,000						600,000
Total Funds	2,997,026	0	2,997,026	0	0	0	0	0	2,997,026

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 2/1/19:

Expended 1,418,660
 Encumbered 486,388
Total \$1,905,048

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	725,000		725,000						725,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	725,000	0	725,000	0	0	0	0	0	725,000

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
Total Funds	725,000	0	725,000	0	0	0	0	0	725,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	86,445
Encumbered	0
Total	\$86,445

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2022	FY 2024	FY 2025	
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
Total Cost	900,000	0	900,000	0	0	0	0	0	900,000

FUNDING SCHEDULE

R8750 Paygo	65,000		65,000						65,000
R6999 Other	280,000		280,000						280,000
R6340 Corporate/Business	470,000		470,000						470,000
R6330 Developer	85,000		85,000						85,000
			0						0
			0						0
Total Funds	900,000	0	900,000	0	0	0	0	0	900,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	690,356
Encumbered	0
Total	\$690,356

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
GENERAL FUND								
PUBLIC SAFETY								
<u>FY 20 Funded Projects:</u>								
Aberdeen VFC Main Station Renovation	1,000,000	0	1,000,000	0	0	0	0	0
EMS Station	1,500,000	0	1,500,000	0	0	0	0	0
Emergency Operations Center Complex	37,494,525	43,294,525	(5,800,000)	0	0	0	0	0
Mobile/Portable Radio System Upgrade	2,150,000	1,150,000	1,000,000	0	0	0	0	0
Multi-Agency Public Safety Mobile Command Center	1,800,000	0	1,800,000	0	0	0	0	0
Next-Gen 911	5,650,000	0	5,150,000	100,000	100,000	100,000	100,000	100,000
Public Safety Communication in School Buildings	1,250,000	650,000	100,000	100,000	100,000	100,000	100,000	100,000
VFC Facility Repair	4,360,000	1,960,000	400,000	400,000	400,000	400,000	400,000	400,000
VFC Public Safety Equipment	3,100,000	1,000,000	350,000	350,000	350,000	350,000	350,000	350,000
Whiteford VFC - Renovation of Main Station	1,200,000	700,000	500,000	0	0	0	0	0
<u>Open Projects</u>								
Joppa Magnolia Fire Station Expansion	1,240,000	1,240,000	0	0	0	0	0	0
911 State Fee Fund	600,000	600,000	0	0	0	0	0	0
TRT Equipment	160,000	160,000	0	0	0	0	0	0
Sheriff/Emergency/Fire Total by Project	61,504,525	50,754,525	6,000,000	950,000	950,000	950,000	950,000	950,000
Paygo	13,093,025	5,893,025	2,950,000	850,000	850,000	850,000	850,000	850,000
Future Bonds	1,000,000	0	1,000,000	0	0	0	0	0
Prior Bonds	36,961,500	39,461,500	(2,500,000)	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
State	7,948,000	2,898,000	4,550,000	100,000	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	0	0	0	0	0	0	0	0
Sheriff / Emergency / Fire Total by Fund	61,504,525	50,754,525	6,000,000	950,000	950,000	950,000	950,000	950,000

FY 20 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>PUBLIC SAFETY</u>													
Aberdeen VFC Main Station Renovation	1,000,000	0	1,000,000	0	0	0	0	0	0	0	0	0	0
EMS Station	1,500,000	0	0	1,500,000	0	0	0	0	0	0	0	0	0
Emergency Operations Center Complex	(5,800,000)	0	0	(5,800,000)	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
Multi-Agency Public Safety Mobile Command Center	1,800,000	0	0	1,800,000	0	0	0	0	0	0	0	0	0
Next-Gen 911	5,150,000	0	600,000	0	0	0	0	0	4,550,000	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
VFC Facility Repair	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
VFC Public Safety Equipment	350,000	0	350,000	0	0	0	0	0	0	0	0	0	0
Whiteford VFC - Renovation of Main Station	500,000	0	500,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL PUBLIC SAFETY	6,000,000	0	2,950,000	(2,500,000)	1,000,000	0	0	0	4,550,000	0	0	0	0

PROJECT: Aberdeen VFC Main Station Renovation

VOLUNTEER FIRE COMPANIES

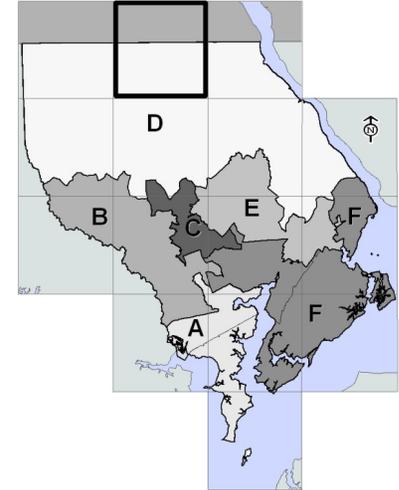
COUNCIL DISTRICT: E

LOCATION: Aberdeen

E204105

PROJECT DESCRIPTION / JUSTIFICATION:

This project is to provide for major renovations to the main station addressing major deficiencies to include insulation, ADA compliance, fire protection systems, etc.



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		1,000,000	1,000,000						1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	1,000,000	1,000,000	0	0	0	0	0	1,000,000

FUNDING SCHEDULE

R8750 Paygo		1,000,000	1,000,000						1,000,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	1,000,000	1,000,000	0	0	0	0	0	1,000,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: EMS Station

EMERGENCY SERVICES

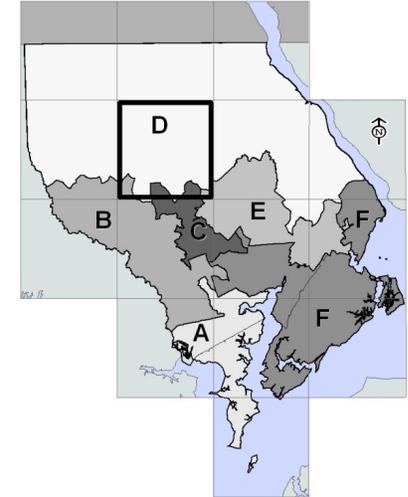
COUNCIL DISTRICT: F

LOCATION: Creswell

E204106

PROJECT DESCRIPTION / JUSTIFICATION:

This project is to construct a building that will store EMS response vehicles and includes bathrooms, DECON area, bunk room, a day room and a work area. The project includes architectural / engineering work, site work, electric, plumbing, and water and sewer.



PROJECT SCHEDULE:

FY 20 - Engineering and Design
 FY 21 - Construction

PROJECT STATUS:

Reallocating \$1,500,000 in prior bonds from the Emergency Operations Center Complex

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		200,000	200,000						200,000
Land Acquisition			0						0
Construction		1,300,000	1,300,000						1,300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	1,500,000	1,500,000	0	0	0	0	0	1,500,000

FUNDING SCHEDULE

R7100 Prior Bonds		1,500,000	1,500,000						1,500,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	1,500,000	1,500,000	0	0	0	0	0	1,500,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 41,850
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Emergency Operations Center Complex

EMERGENCY SERVICES

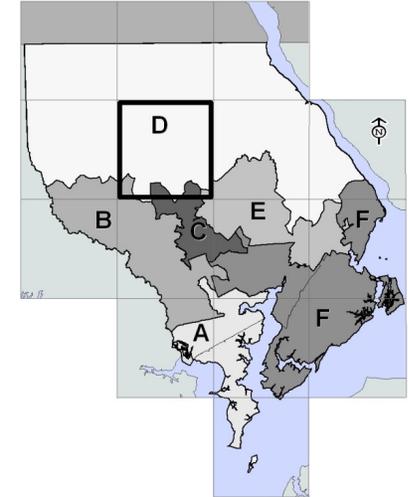
COUNCIL DISTRICT: D

LOCATION: Hickory

E074110

PROJECT DESCRIPTION / JUSTIFICATION:

A feasibility study was completed to determine expansion and upgrade requirements for a new Emergency Operations Center. Phase I of this project was completed in FY15. It includes new Emergency Operations and Dispatch centers, a County training facility, and office space for the Dept. of Emergency Services staff and the Dept. of Information Communication and Technology staff. Funding is established in this project for a building which would house the Hazmat Team, Technical Rescue Team, and the new EMS division. This building is necessary because current rented space for Hazmat and TRT teams is not adequate due to limited space/vehicle maneuverability, poor ventilation, flooding, etc. In addition, as the EMS Division grows, there will be a greater need for quartermaster and EMS supply/equipment storage space.



PROJECT SCHEDULE:

PROJECT STATUS:

Reallocating \$1,500,000 in prior bonds to new EMS Station capital project, \$2,500,000 to Trails and Linear Parks capital project, and \$1,800,000 to the Multi-Agency Public Safety Mobile Command Center

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	2,363,281		2,363,281						2,363,281
Land Acquisition			0						0
Construction	36,431,244	(5,800,000)	30,631,244						30,631,244
Inspection Fees	100,000		100,000						100,000
Equipment/Furnishing	4,400,000		4,400,000						4,400,000
Total Cost	43,294,525	(5,800,000)	37,494,525	0	0	0	0	0	37,494,525

FUNDING SCHEDULE

R7100 Prior Bonds	38,461,500	(5,800,000)	32,661,500						32,661,500
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
Total Funds	43,294,525	(5,800,000)	37,494,525	0	0	0	0	0	37,494,525

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 911,256
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 34,703,061
 Encumbered 340,090
Total \$35,043,151

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. \$1,400,000 is being requested in FY20 for projects listed below. Radio management workstations will allow radios to be serviced and upgraded on site, without having to go to the radio shop. We currently have approx. 4500 radios, so this would alleviate much travel time and radio technician time. Quantars are equipment on the tower sites that allow communication with pagers.

PROJECT SCHEDULE:

- FY20: add radio management workstations to all firehouses and police precincts - approx.20 (\$25,000)
- FY20: purchase Key Management Facility (KMF) to manage encryption keys (\$250,000)
- FY20: replace UHF paging quantars, no longer being supported by Motorola (\$500,000)
- FY20: add 11 new radio consoles and related equipment to the back up dispatch location (\$625,000)
- FY20-FY25: annual allocation for system maintenance and equipment repairs, to include tower sites (\$100,000)



PROJECT STATUS:

Project is on-going

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	1,150,000	1,000,000	2,150,000						2,150,000
Total Cost	1,150,000	1,000,000	2,150,000	0	0	0	0	0	2,150,000

FUNDING SCHEDULE

R7100 Prior Bonds	1,000,000		1,000,000						1,000,000
R8750 Paygo	150,000		150,000						150,000
R7000 Future Bonds		1,000,000	1,000,000						1,000,000
			0						0
			0						0
			0						0
Total Funds	1,150,000	1,000,000	2,150,000	0	0	0	0	0	2,150,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$55,800
 Annual Operating/Maintenance Cost:
 New Positions (FTE's): N/A

Financial Activity as of 11/15/19:

Expended 65,897
 Encumbered
 Total \$65,897

PROJECT: Multi-Agency Public Safety Mobile Command Center

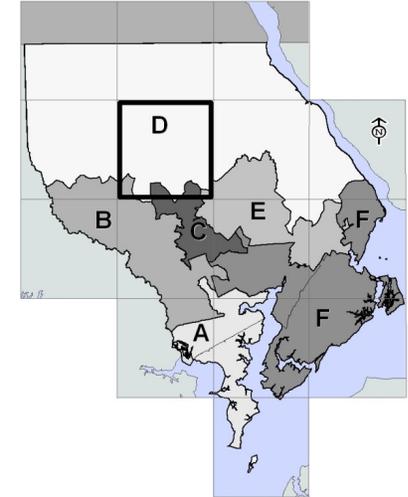
EMERGENCY SERVICES

COUNCIL DISTRICT: MULTIPLE LOCATION: County-wide

E204107

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides funds to purchase a Mobile Command Vehicle designed to respond to a situation in a moments notice. 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. It will be equipped with the latest technology critical for effectively managing an emergency/natural disaster. Prior Bonds for FY 20 are being reallocated from Emergency Operations Center Complex capital project..



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		1,800,000	1,800,000						1,800,000
Total Cost	0	1,800,000	1,800,000	0	0	0	0	0	1,800,000

FUNDING SCHEDULE

R7100 Prior Bonds		1,800,000	1,800,000						1,800,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	1,800,000	1,800,000	0	0	0	0	0	1,800,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 50,220
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Next-Gen 9-1-1

EMERGENCY SERVICES

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

E204108

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 project is anticipated to cover \$200,000 of start up costs 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.

For outyear funding this project provides appropriation authority to accept State funds for reimbursement.



PROJECT SCHEDULE:

FY20: upgrade CAD to be Next Gen compliant

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing		5,150,000	5,150,000	100,000	100,000	100,000	100,000	100,000	5,650,000
Total Cost	0	5,150,000	5,150,000	100,000	100,000	100,000	100,000	100,000	5,650,000

FUNDING SCHEDULE

R8750 Paygo		600,000	600,000						600,000
R3399 State Other		4,550,000	4,550,000	100,000	100,000	100,000	100,000	100,000	5,050,000
			0						0
			0						0
			0						0
Total Funds	0	5,150,000	5,150,000	100,000	100,000	100,000	100,000	100,000	5,650,000

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
Total	\$0

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. Each BDA costs approximately \$43,000. Currently BDA's have been installed in all existing county high schools and middle schools. The final installation will be in the new Havre de Grace High school in FY20.



PROJECT SCHEDULE:

FY20: install BDA for new Havre de Grace High school to complete this project

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	650,000	100,000	750,000	100,000	100,000	100,000	100,000	100,000	1,250,000
Total Cost	650,000	100,000	750,000	100,000	100,000	100,000	100,000	100,000	1,250,000

FUNDING SCHEDULE

R8750 Paygo	650,000	100,000	750,000	100,000	100,000	100,000	100,000	100,000	1,250,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	650,000	100,000	750,000	100,000	100,000	100,000	100,000	100,000	1,250,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 11/15/19:

Expended	484,138
Encumbered	22,460
Total	\$506,598

PROJECT: VFC Facility Repair

VOLUNTEER FIRE COMPANIES

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

E154104

PROJECT DESCRIPTION / JUSTIFICATION:

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



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,960,000	400,000	2,360,000	400,000	400,000	400,000	400,000	400,000	4,360,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,960,000	400,000	2,360,000	400,000	400,000	400,000	400,000	400,000	4,360,000

FUNDING SCHEDULE

R8750 Paygo	1,960,000	400,000	2,360,000	400,000	400,000	400,000	400,000	400,000	4,360,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,960,000	400,000	2,360,000	400,000	400,000	400,000	400,000	400,000	4,360,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	1,740,438
Encumbered	0
Total	\$1,740,438

PROJECT: VFC Public Safety Equipment

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. The \$250,000 annual allocation allows us to make a bulk purchase every 3 years. The first bulk purchase was made in FY19. This project will also provide funding for the purchase of electronic defibrillators with monitors, and also plan for the outyears to replace equipment reaching the end of its useful life.



PROJECT SCHEDULE:

- FY 20: replace oldest electronic monitor defibrillators
- FY22: bulk purchase of SCBA Equipment
- FY25: bulk purchase of SCBA Equipment
- FY 21-FY 25: replace electronic monitor defibrillators as needed

PROJECT STATUS:

A spending plan has been established to make a bulk purchase every 3 years for 3 agencies for SCBA's. The agency (VFC or hazmat) contributes 25% of the cost.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	1,000,000	350,000	1,350,000	350,000	350,000	350,000	350,000	350,000	3,100,000
Total Cost	1,000,000	350,000	1,350,000	350,000	350,000	350,000	350,000	350,000	3,100,000

FUNDING SCHEDULE

R8750 Paygo	750,000	350,000	1,100,000	350,000	350,000	350,000	350,000	350,000	2,850,000
R6999 Other	250,000		250,000						250,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,000,000	350,000	1,350,000	350,000	350,000	350,000	350,000	350,000	3,100,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 11/15/19:

Expended	738,302
Encumbered	0
Total	\$738,302

PROJECT: Whiteford VFC - Renovation of Main Station

VOLUNTEER FIRE COMPANIES

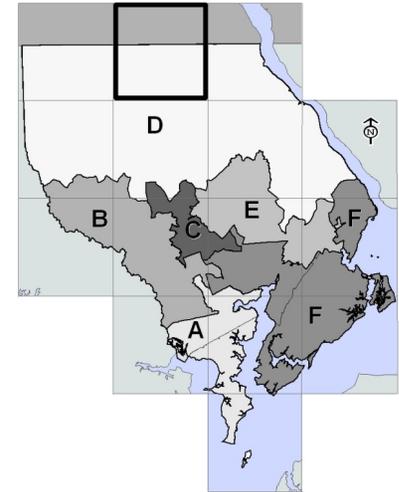
COUNCIL DISTRICT: D

LOCATION: Whiteford

E184119

PROJECT DESCRIPTION / JUSTIFICATION:

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



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	700,000	500,000	1,200,000						1,200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	700,000	500,000	1,200,000	0	0	0	0	0	1,200,000

FUNDING SCHEDULE

R8750 Paygo	700,000	500,000	1,200,000						1,200,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	700,000	500,000	1,200,000	0	0	0	0	0	1,200,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

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

OPEN/ACTIVE PROJECTS

PROJECT: Joppa Magnolia Fire Station Expansion

VOLUNTEER FIRE COMPANIES

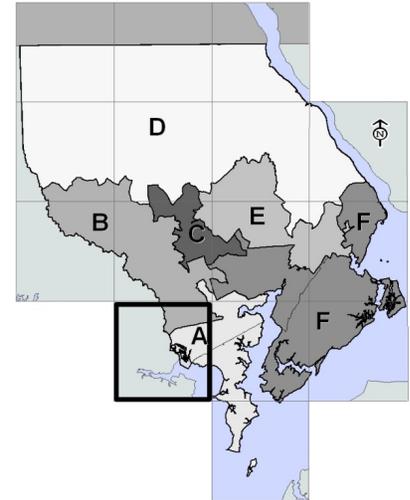
COUNCIL DISTRICT: B

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,240,000		1,240,000						1,240,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,240,000	0	1,240,000	0	0	0	0	0	1,240,000

FUNDING SCHEDULE

R8750 Paygo	1,240,000		1,240,000						1,240,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,240,000	0	1,240,000	0	0	0	0	0	1,240,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	231,950
Encumbered	0
Total	\$231,950

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 FY20, if the Next Gen 911 capital project is approved, it is anticipated the board will pay for project start up costs of \$200,000, as well as \$3.5M for telecommunication hardware equipment refresh. It is possible the board will opt to only cover a portion of these costs. In FY20 we also anticipate reimbursement of \$750,000 for enhancements and expansion of the back up dispatch center.



PROJECT SCHEDULE:

FY20: Next Gen start up costs (\$200,000), Equipment refresh for Next Gen project (3.5M)
 FY20: enhancements and expansion of back up dispatch center (\$750,000)
 FY20-25: annual reimbursement for applicable 911 items or services (\$100,000)

PROJECT STATUS:

This project has been closed and will be removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	600,000		600,000						600,000
Total Cost	600,000	0	600,000	0	0	0	0	0	600,000

FUNDING SCHEDULE

R3399 State Other	600,000		600,000						600,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	600,000	0	600,000	0	0	0	0	0	600,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 11/15/19:

Expended	241,833
Encumbered	0
Total	\$241,833

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 project will be closed and removed from the Capital Improvement Program once all funds are expended.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	160,000		160,000						160,000
Total Cost	160,000	0	160,000	0	0	0	0	0	160,000

FUNDING SCHEDULE

R8750 Paygo	160,000		160,000						160,000
R6340 Corporate/Business			0						0
R3399 State Other			0						0
R3199 Federal Other			0						0
Total Funds	160,000	0	160,000	0	0	0	0	0	160,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 11/15/19:

Expended	85,571
Encumbered	0
Total	\$85,571

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM			
					FY 2022	FY 2023	FY 2024	FY 2025

GENERAL FUND

HARFORD COMMUNITY COLLEGE

FY 20 Funded Projects:

Chesapeake Welcome Center	31,518,000	0	2,183,000	27,153,000	2,182,000	0	0	0
Fallston Hall Renovations	7,142,800	6,807,800	335,000	0	0	0	0	0

Open Projects

Edgewood Hall Renovation & Expansion	8,632,000	8,632,000	0	0	0	0	0	0
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College Total by Project	47,292,800	15,439,800	2,518,000	27,153,000	2,182,000	0	0	0
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Paygo	0	0	0	0	0	0	0	0
Future Bonds	15,140,000	0	1,375,000	12,725,000	1,040,000	0	0	0
Prior Bonds	6,812,000	6,812,000	0	0	0	0	0	0
Reappropriated	0	0	0	0	0	0	0	0
State	25,340,800	8,627,800	1,143,000	14,428,000	1,142,000	0	0	0
Other	0	0	0	0	0	0	0	0

College Total by Fund	47,292,800	15,439,800	2,518,000	27,153,000	2,182,000	0	0	0
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FY 20 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>													
HARFORD COMMUNITY COLLEGE													
Chesapeake Welcome Center	2,183,000	0	0	0	1,040,000	0	0	0	1,143,000	0	0	0	0
Fallston Hall Renovations	335,000	0	0	0	335,000	0	0	0	0	0	0	0	0
SUB-TOTAL HARFORD COMMUNITY COLLEGE	2,518,000	0	0	0	1,375,000	0	0	0	1,143,000	0	0	0	0

PROJECT: Chesapeake Welcome Center

HARFORD COMMUNITY COLLEGE

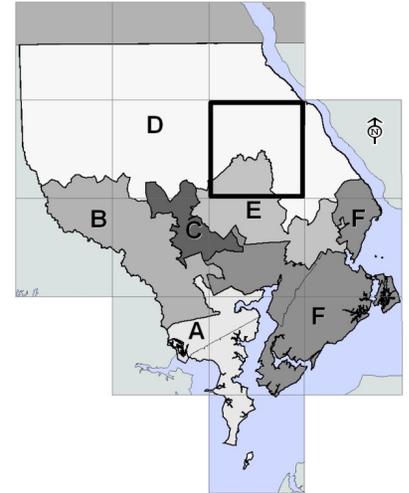
COUNCIL DISTRICT: E

LOCATION: Churchville

C204109

PROJECT DESCRIPTION / JUSTIFICATION:

Capital renovation to the Chesapeake Center to consist of comprehensive upgrades to this facility.



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		2,183,000	2,183,000						2,183,000
Land Acquisition			0						0
Construction			0	27,153,000					27,153,000
Inspection Fees			0						0
Equipment/Furnishing			0		2,182,000				2,182,000
Total Cost	0	2,183,000	2,183,000	27,153,000	2,182,000	0	0	0	31,518,000

FUNDING SCHEDULE

R7920 State Bonds		1,143,000	1,143,000	14,428,000	1,142,000				16,713,000
R7000 Future Bonds		1,040,000	1,040,000	12,725,000	1,040,000				14,805,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	2,183,000	2,183,000	27,153,000	2,182,000	0	0	0	31,518,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 29,016
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended _____
 Encumbered _____
 Total _____

PROJECT: Fallston Hall Renovations

HARFORD COMMUNITY COLLEGE

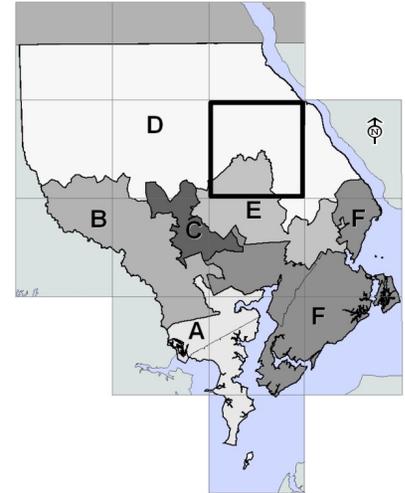
COUNCIL DISTRICT: E

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2022	FY 2023	FY 2024	
Engineering/Design	586,880		586,880						586,880
Land Acquisition			0						0
Construction	6,220,920		6,220,920						6,220,920
Inspection Fees			0						0
Equipment/Furnishing		335,000	335,000						335,000
Total Cost	6,807,800	335,000	7,142,800	0	0	0	0	0	7,142,800

FUNDING SCHEDULE

R7000 Future Bonds		335,000	335,000						335,000
R7920 State Bonds	3,767,800		3,767,800						3,767,800
R7100 Prior Bonds	3,040,000		3,040,000						3,040,000
			0						0
			0						0
			0						0
Total Funds	6,807,800	335,000	7,142,800	0	0	0	0	0	7,142,800

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 94,163
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 268,241
 Encumbered 0
Total \$268,241

OPEN/ACTIVE PROJECTS

PROJECT: Edgewood Hall Renovation & Expansion

HARFORD COMMUNITY COLLEGE

COUNCIL DISTRICT: E

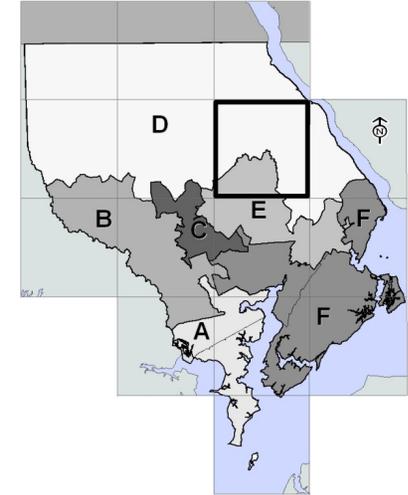
LOCATION: Churchville

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	8,632,000	0	8,632,000	0	0	0	0	0	8,632,000

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
Total Funds	8,632,000	0	8,632,000	0	0	0	0	0	8,632,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$374,260
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

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

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM				FY 2025
					FY 2022	FY 2023	FY 2024		

GENERAL FUND

LIBRARIES

FY 20 Funded Projects:

Technology	2,449,460	949,460	250,000	250,000	250,000	250,000	250,000	250,000	250,000
<u>Open Projects:</u>									
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
Libraries Total by Project	11,525,460	10,025,460	250,000						
Paygo	2,505,460	1,005,460	250,000						
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	11,525,460	10,025,460	250,000						

FY 20 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

Technology	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL LIBRARIES	250,000	0	250,000	0									

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	949,460	250,000	1,199,460	250,000	250,000	250,000	250,000	250,000	2,449,460
Total Cost	949,460	250,000	1,199,460	250,000	250,000	250,000	250,000	250,000	2,449,460

FUNDING SCHEDULE

R8750 Paygo	949,460	250,000	1,199,460	250,000	250,000	250,000	250,000	250,000	2,449,460
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	949,460	250,000	1,199,460	250,000	250,000	250,000	250,000	250,000	2,449,460

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	785,131
Encumbered	0
Total	\$785,131

OPEN/ACTIVE PROJECTS

PROJECT: Darlington Branch - Expansion

LIBRARIES

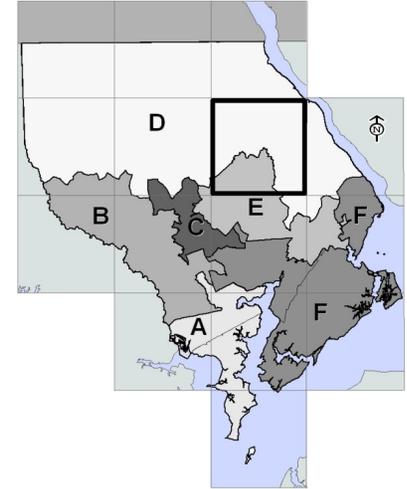
COUNCIL DISTRICT: D

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	56,000		56,000						56,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	56,000	0	56,000	0	0	0	0	0	56,000

FUNDING SCHEDULE

R8750 Paygo	56,000		56,000						56,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	56,000	0	56,000	0	0	0	0	0	56,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

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

PROJECT: Havre de Grace Expansion

LIBRARIES

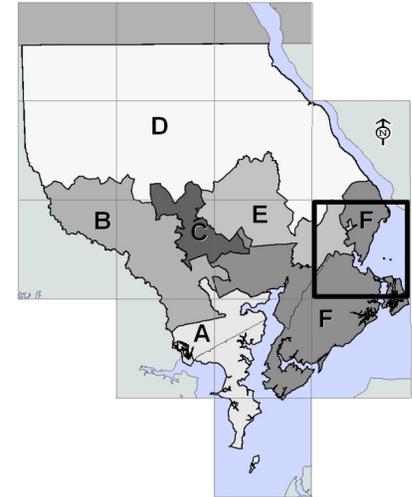
COUNCIL DISTRICT: F

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	9,020,000	0	9,020,000	0	0	0	0	0	9,020,000

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
Total Funds	9,020,000	0	9,020,000	0	0	0	0	0	9,020,000

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 2/1/19:

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

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM			
					FY 2022	FY 2023	FY 2024	FY 2025

GENERAL FUND

BOARD OF EDUCATION

FY 20 Projects

Athletic Fields Repair and Restoration	1,287,000	687,000	100,000	100,000	100,000	100,000	100,000	100,000
George D. Lisby HVAC Systemic Renovation	9,250,000	0	9,250,000	0	0	0	0	0
Havre de Grace MS/HS Replacement	99,268,000	85,781,000	13,487,000	0	0	0	0	0
North Bend ES Central Plant & Fire Alarm	2,031,000	0	2,031,000	0	0	0	0	0
Relocatable Classrooms	2,706,896	2,963,896	(257,000)	0	0	0	0	0
Replacement Buses	14,313,548	13,017,548	1,296,000	0	0	0	0	0
Roof Replacement - Aberdeen Middle School	4,221,000	2,664,000	1,557,000	0	0	0	0	0
Roof Replacement - Hickory Elementary School	1,794,000	0	1,794,000	0	0	0	0	0
Roye Williams HVAC Systemic Renovation	11,720,000	0	11,720,000	0	0	0	0	0
Security Measures	2,992,100	2,060,000	421,600	175,000	76,000	73,000	95,500	91,000
Special Education Facilities Improvements	4,188,000	200,000	842,000	1,221,000	787,000	644,000	494,000	0
Swimming Pool Renovations	2,199,000	1,263,000	120,000	655,000	161,000	0	0	0
Technology Infrastructure	5,258,217	4,758,217	500,000	0	0	0	0	0

Outyear Projects

Major HVAC Repairs	24,805,137	9,805,137	0	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
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 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
Bel Air ES HVAC Systemic Renovation & Open Space	8,129,000	8,129,000	0	0	0	0	0	0
Center for Educational Opportunity - HVAC	4,625,000	4,625,000	0	0	0	0	0	0
Darlington ES Comprehensive HVAC Systemic Project	1,638,000	1,638,000	0	0	0	0	0	0
Equipment and Furniture Replacement	954,950	954,950	0	0	0	0	0	0
Fallston Chiller Replacement	1,000,000	1,000,000	0	0	0	0	0	0
Fallston HS Comprehensive HVAC Systemic Project	17,546,940	17,546,940	0	0	0	0	0	0
Fire Alarm and ER Communication	1,387,000	1,387,000	0	0	0	0	0	0
Homestead Wakefield ES Modernization	132,454	132,454	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	50,000	50,000	0	0	0	0	0	0
North Harford HS Aquaculture Lab and Greenhouse	830,000	830,000	0	0	0	0	0	0
North Harford HS Modernization	31,840,781	31,840,781	0	0	0	0	0	0
North Harford MS Domestic Water Improvements	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 Elementary School HVAC	4,685,000	4,685,000	0	0	0	0	0	0
Red Pump Road Elementary School	29,837,480	29,837,480	0	0	0	0	0	0
Riverside ES HVAC Systemic Renovation	8,255,607	8,255,607	0	0	0	0	0	0
Roof Replacement - Joppatowne High School	2,400,000	2,400,000	0	0	0	0	0	0
Roof Replacement - North Harford Elementary School	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
William Paca/Old Post ES Open Space Enclosure	2,417,000	2,417,000	0	0	0	0	0	0
William S. James ES Open Space Enclosure	1,400,000	1,400,000	0	0	0	0	0	0
Youth's Benefit ES Replacement	48,861,866	48,861,866	0	0	0	0	0	0

Education Total by Project	386,694,506	316,360,406	42,861,600	6,651,000	5,624,000	5,317,000	5,189,500	4,691,000
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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM				
					FY 2022	FY 2023	FY 2024	FY 2025	
BOARD OF EDUCATION									
Paygo	29,681,532	23,072,432	3,022,600	1,700,000	667,000	503,000	525,500	191,000	
Future Bonds	41,876,000	0	27,740,000	3,001,000	3,007,000	2,864,000	2,714,000	2,550,000	
Prior Bonds	192,952,397	192,952,397	0	0	0	0	0	0	0
Reappropriated	8,504,704	8,504,704	0	0	0	0	0	0	0
Transfer Tax	7,628,009	7,628,009	0	0	0	0	0	0	0
Recordation Tax	0	0	0	0	0	0	0	0	0
State	90,331,000	68,482,000	12,099,000	1,950,000	1,950,000	1,950,000	1,950,000	1,950,000	1,950,000
Other	15,720,864	15,720,864	0	0	0	0	0	0	0
Lease Purchase	0	0	0	0	0	0	0	0	0
Education Total by Fund	386,694,506	316,360,406	42,861,600	6,651,000	5,624,000	5,317,000	5,189,500	4,691,000	

FY 20 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>BOARD OF EDUCATION</u>													
Athletic Fields Repair and Restoration	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
George D. Lisby HVAC Systemic Renovation	9,250,000	0	0	0	5,050,000	0	0	0	4,200,000	0	0	0	0
Havre de Grace Middle/High School Replacement	13,487,000	0	0	0	13,487,000	0	0	0	0	0	0	0	0
North Bend Elementary School Central Plant and Fire Alarm	2,031,000	0	0	0	1,221,000	0	0	0	810,000	0	0	0	0
Relocatable Classrooms	(257,000)	0	(257,000)	0	0	0	0	0	0	0	0	0	0
Replacement Buses	1,296,000	0	1,296,000	0	0	0	0	0	0	0	0	0	0
Roof Replacement - Aberdeen Middle School	1,557,000	0	0	0	123,000	0	0	0	1,434,000	0	0	0	0
Roof Replacement - Hickory Elementary School	1,794,000	0	0	0	879,000	0	0	0	915,000	0	0	0	0
Roye Williams HVAC Systemic Renovation	11,720,000	0	0	0	6,980,000	0	0	0	4,740,000	0	0	0	0
Security Measures	421,600	0	421,600	0	0	0	0	0	0	0	0	0	0
Special Education Facilities Improvements	842,000	0	842,000	0	0	0	0	0	0	0	0	0	0
Swimming Pool Renovations	120,000	0	120,000	0	0	0	0	0	0	0	0	0	0
Technology Infrastructure	500,000	0	500,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL BOARD OF EDUCATION	42,861,600	0	3,022,600	0	27,740,000	0	0	0	12,099,000	0	0	0	0

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, this account also funds the replacement of the specialized equipment required to maintain turf fields. Additionally, these funds are used to fund mandated maintenance and testing of synthetic turf fields and the replacement of the turf fields as they reach their expected life.

The turf fields at Edgewood and Bel Air High Schools have seen accelerated fiber deterioration. The manufacturer has agreed to replace the fields at a discounted rate due to the product defect. However, the manufacturer is only willing to hold the discounted rate through FY 2020 for Edgewood High School and FY 2021 for Bel Air High School. In order to benefit from the manufacturer offer, HCPS in collaboration with Harford County Parks and Recreation has agreed to adjust the replacement schedule of the turf fields at these schools. Edgewood High School turf field replacement moved from FY 2021 to FY 2020 and the Bel Air High School turf field replacement moved from FY 2022 to FY 2021. If funding is not received in FY 2020 for the replacement of the Edgewood High School field and in FY 2021 for the replacement of Bel Air High School field, the cost of replacement will be significantly higher.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	687,000	100,000	787,000	100,000	100,000	100,000	100,000	100,000	1,287,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	687,000	100,000	787,000	100,000	100,000	100,000	100,000	100,000	1,287,000

FUNDING SCHEDULE

R8750 Paygo	351,000	100,000	451,000	100,000	100,000	100,000	100,000	100,000	951,000
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
Total Funds	687,000	100,000	787,000	100,000	100,000	100,000	100,000	100,000	1,287,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	356,032
Encumbered	0
Total	\$356,032

PROJECT: George D. Lisby HVAC Systemic Renovation

BOARD OF EDUCATION

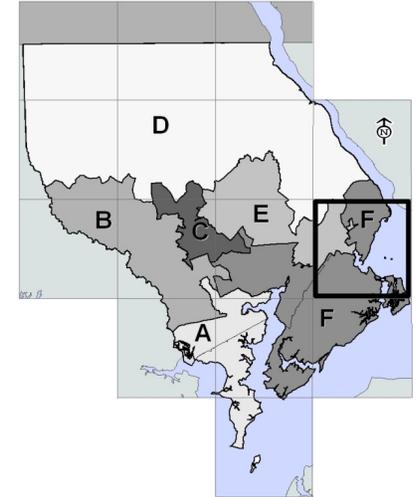
COUNCIL DISTRICT: E

LOCATION: Aberdeen, MD

B204110

PROJECT DESCRIPTION / JUSTIFICATION:

This project addresses the replacement of the HVAC system for the entire facility. It will also replace the exterior windows and doors that date back to the original construction. A back-up generator will be added to address life safety requirements and meet HCPS design standards, any additional requirements for compliance with MEMA if needed, will be incorporated. A new HVAC system will provide comfort, humidity control, greater energy efficiency and centralized systems controls.



PROJECT SCHEDULE:

Design summer/fall of 2019. Bid spring of 2020. Construction to begin summer 2020 and take approximately ten months.

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		700,000	700,000						700,000
Land Acquisition			0						0
Construction		8,400,000	8,400,000						8,400,000
Inspection Fees		150,000	150,000						150,000
Equipment/Furnishing			0						0
Total Cost	0	9,250,000	9,250,000	0	0	0	0	0	9,250,000

FUNDING SCHEDULE

R7000 Future Bonds		5,050,000	5,050,000						5,050,000
R7920 State Bonds		4,200,000	4,200,000						4,200,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	9,250,000	9,250,000	0	0	0	0	0	9,250,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$140,895
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of

Expended
 Encumbered
 Total

 \$0

PROJECT: Havre de Grace Middle/High School Replacement

BOARD OF EDUCATION

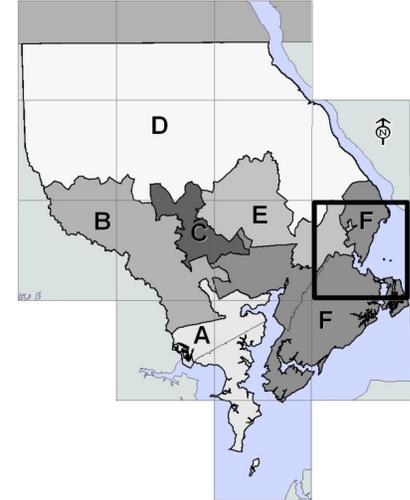
COUNCIL DISTRICT: F

LOCATION: Havre de Grace

B144111

PROJECT DESCRIPTION / JUSTIFICATION:

The Havre de Grace High School consists of two (2) buildings with a main administration and classroom facility built in 1955. The building was renovated in 1984 and had additions built in 1958, 1971, 1976 and 1984. Constrained by the urban setting, the second building, part of the 1971 addition, was built across Congress Street and includes the auditorium, gymnasiums and music wing. Havre de Grace Middle School was built in 1967 and has had no major renovations or modernizations. A scope study was performed to evaluate options, and on September 23, 2013, the Board of Education approved a recommendation to build a new building combining the middle and high school population in a single school. The Board of Public Works approved Local Planning for this project in the FY 2015 CIP under the Sustainable Communities Program. Educational Specifications and Schematic Design for the new building were approved by the BOE on August 4th and August 18th 2014 (respectively), for a new building of approximately 240,000 square feet and a combined state rated capacity of 1,542.



PROJECT SCHEDULE:

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

PROJECT STATUS: Construction

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	4,950,000		4,950,000						4,950,000
Land Acquisition			0						0
Construction	80,831,000	7,287,000	88,118,000						88,118,000
Inspection Fees			0						0
Equipment/Furnishing		6,200,000	6,200,000						6,200,000
Total Cost	85,781,000	13,487,000	99,268,000	0	0	0	0	0	99,268,000

FUNDING SCHEDULE

R7100 Prior Bonds	63,987,000		63,987,000						63,987,000
R7920 State Bonds	21,544,000		21,544,000						21,544,000
R6999 Other BOE	250,000		250,000						250,000
R7000 Future Bonds		13,487,000	13,487,000						13,487,000
			0						0
			0						0
Total Funds	85,781,000	13,487,000	99,268,000	0	0	0	0	0	99,268,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$2,161,525
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 6,156,806
 Encumbered 0
 Total \$6,156,806

PROJECT: North Bend Elementary School Central Plant and Fire Alarm Upgrade

BOARD OF EDUCATION

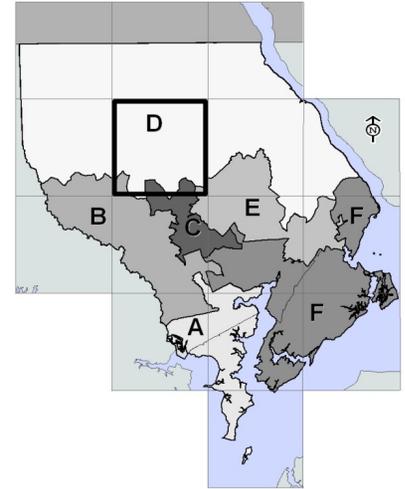
COUNCIL DISTRICT: D

LOCATION: Jarrettsville, MD

B204111

PROJECT DESCRIPTION / JUSTIFICATION:

These funds will be used at North Bend Elementary School to replace aging central plant equipment such as chiller, cooling tower and controls. The project will also replace the Fire Alarm.



PROJECT SCHEDULE:

Design summer/fall 2019. Bid spring 2020. Construction to begin summer 2020.

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		155,000	155,000						155,000
Land Acquisition			0						0
Construction		1,860,000	1,860,000						1,860,000
Inspection Fees		16,000	16,000						16,000
Equipment/Furnishing			0						0
Total Cost	0	2,031,000	2,031,000	0	0	0	0	0	2,031,000

FUNDING SCHEDULE

R7000 Future Bonds		1,221,000	1,221,000						1,221,000
R7920 State Bonds		810,000	810,000						810,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	2,031,000	2,031,000	0	0	0	0	0	2,031,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$34,066
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of

Expended
 Encumbered
 Total \$0

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:

Per amendments #4-5 prior Paygo appropriation is reallocated to Special Education Facilities Improvements capital project.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	2,963,896	(257,000)	2,706,896						2,706,896
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	2,963,896	(257,000)	2,706,896	0	0	0	0	0	2,706,896

FUNDING SCHEDULE

R8750 Paygo	529,830	(257,000)	272,830						272,830
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
Total Funds	2,963,896	(257,000)	2,706,896	0	0	0	0	0	2,706,896

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	188,000
Encumbered	0
Total	\$188,000

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. The FY 20 request reflects the cost of replacing all buses that passed the 12 year replacement cycle and allows time to be sure the funds are available prior to bidding and building the buses. For FY 2020, there are 12 Special Needs buses that have reached the fifteen year mark and must be replaced by law.

12 buses that were due for replacement in FY 2017 (\$1,296,000) - State law requires these buses retire due to 15 year age mark.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	13,017,548	1,296,000	14,313,548						14,313,548
Total Cost	13,017,548	1,296,000	14,313,548	0	0	0	0	0	14,313,548

FUNDING SCHEDULE

R8750 Paygo	8,926,574	1,296,000	10,222,574						10,222,574
R6999 Other	2,582,000		2,582,000						2,582,000
R7100 Prior Bonds	1,476,623		1,476,623						1,476,623
R1525 Transfer Tax	32,351		32,351						32,351
			0						0
			0						0
Total Funds	13,017,548	1,296,000	14,313,548	0	0	0	0	0	14,313,548

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 2/1/19:

Expended	9,796,690
Encumbered	0
Total	\$9,796,690

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.

FY 2020: The roof at Aberdeen Middle School (installed in 1988 and 1990) is in critical need of replacement. It was not designed with a taper and has settled over time. Areas of ponding water dominate the entire roof. Leaks are continuously reported throughout the building and the skylights are a persistent source of leaks. During periods of rain or snow, extra steps are needed to protect furniture, equipment and flooring within the school.

Following a snowstorm in March of 2017, multiple leaks throughout the building, including the kitchen, lead to an extra day of the school being closed.

In addition to the roof leak, the exterior brick walls are in need of masonry point up and waterproofing.

The project was originally requested in the FY 2019 CIP. The County funded the local portion however the State portion of funding was not approved.

The project was not able to move forward and is being requested again in FY 2020. The State recalculated the State and local cost share for the FY 2020 CIP increasing the amount of funding required locally. The FY 2020 local request is the additional amount required to complete the project.



PROJECT SCHEDULE:

Design: July - November 2019

Bid: February 2020

Award Contract: May 2020

Construction: June 2020 - August 2020

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	370,000		370,000						370,000
Land Acquisition			0						0
Construction	2,294,000	1,557,000	3,851,000						3,851,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	2,664,000	1,557,000	4,221,000	0	0	0	0	0	4,221,000

FUNDING SCHEDULE

R7100 Prior Bonds	1,219,000		1,219,000						1,219,000
R7920 State Bonds	1,445,000	1,434,000	2,879,000						2,879,000
R7000 Future Bonds		123,000	123,000						123,000
			0						0
			0						0
			0						0
Total Funds	2,664,000	1,557,000	4,221,000	0	0	0	0	0	4,221,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$37,442
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	7,608
Encumbered	0
Total	\$7,608

PROJECT: Roof Replacement - Hickory Elementary School

BOARD OF EDUCATION

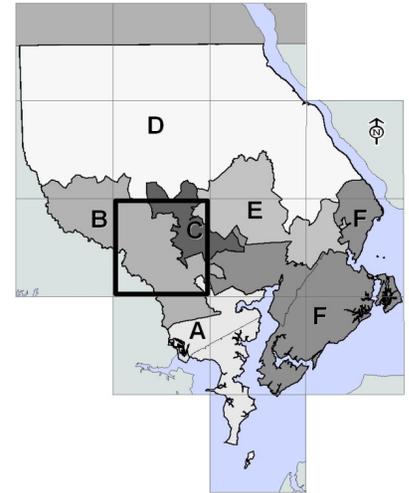
COUNCIL DISTRICT: C

LOCATION: Bel Air, MD

B204112

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. Additionally, aging schools require window, door masonry or siding renewal outside the modernization. Improvements provide enhanced security, energy conservation and weatherproofing. Projects are submitted for funding consideration through the State Capital Improvement Plan request. FY 2020: Hickory Elementary School has a built up roofing system installed in 1988, 1993, and 1996; with a small quantity of standing seam metal. The majority of the roof is flat and holds water. Ponding water accelerates deterioration of the roof materials. The shade, combined with lack of positive drainage encourages moss growth on the north side of high walls. As the ponding water deteriorates the asphalt, weak or "rotten" sections of the roof have caused leaks. As the roof continues to age, it is becoming increasingly difficult to find stable materials to accept repairs. Roof drains have also become a common problem, both from the flashing on the top of the roof as well as plumbing failures within the building.



PROJECT SCHEDULE:

Design: July-November 2019

Bid: February 2020

Award Contract: May 2020

Construction: June 2020-August 2020

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		269,000	269,000						269,000
Land Acquisition			0						0
Construction		1,525,000	1,525,000						1,525,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	1,794,000	1,794,000	0	0	0	0	0	1,794,000

FUNDING SCHEDULE

R7000 Future Bonds		879,000	879,000						879,000
R7920 State Bonds		915,000	915,000						915,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	1,794,000	1,794,000	0	0	0	0	0	1,794,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$24,524

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

Expended
Encumbered
Total \$0

PROJECT: Roye Williams HVAC Systemic Renovation

BOARD OF EDUCATION

COUNCIL DISTRICT: F

LOCATION: Havre de Grace, MD

B204113

PROJECT DESCRIPTION / JUSTIFICATION:

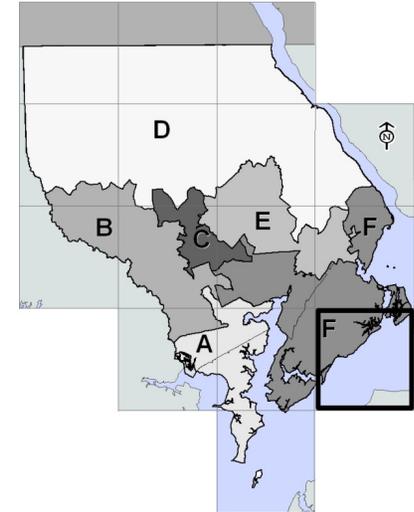
This project will address the replacement and upgrade of the building's HVAC system as well as the replacement of the existing plumbing piping and select plumbing fixture replacement. A back-up generator will be added to address life safety requirements and meet HCPS design standards, any additional requirements for compliance with MEMA, if needed, will be incorporated.

PROJECT SCHEDULE:

Design - summer/fall of 2019

Bid - spring 2020

Construction to begin summer of 2020 and take approximately ten months.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		890,000	890,000						890,000
Land Acquisition			0						0
Construction		10,680,000	10,680,000						10,680,000
Inspection Fees		150,000	150,000						150,000
Equipment/Furnishing			0						0
Total Cost	0	11,720,000	11,720,000	0	0	0	0	0	11,720,000

FUNDING SCHEDULE

R7000 Future Bonds		6,980,000	6,980,000						6,980,000
R7920 State Bonds		4,740,000	4,740,000						4,740,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	11,720,000	11,720,000	0	0	0	0	0	11,720,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$194,742
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 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 2020: Implement security measures based on the Maryland Center for School Safety recommendations. Replace 21 camera servers throughout the district. Add security cameras to Harford Glen. Upgrade classroom locks at Darlington and Dublin ES.

FY 2021: Replace 21 camera servers throughout the district. Upgrade security cameras at Edgewood MS.

FY 2022: Upgrade security camera servers at Joppatowne HS. Upgrade classroom locks at Havre de Grace and Meadowvale ES.

FY 2023: Upgrade security cameras at Fallston HS. Upgrade classroom locks at Roye Williams ES.

FY 2024: Upgrade security cameras at Central Office. Upgrade classroom locks at Riverside ES and Church Creek ES.

FY 2025: Upgrade security cameras at Aberdeen MS. Upgrade classroom locks at Halls Cross Roads and George D. Lisby ES.



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,060,000	421,600	2,481,600	175,000	76,000	73,000	95,500	91,000	2,992,100
Total Cost	2,060,000	421,600	2,481,600	175,000	76,000	73,000	95,500	91,000	2,992,100

FUNDING SCHEDULE

R8750 Paygo	1,025,000	421,600	1,446,600	175,000	76,000	73,000	95,500	91,000	1,957,100
R6999 Other BOE	1,035,000		1,035,000						1,035,000
			0						0
			0						0
			0						0
			0						0
Total Funds	2,060,000	421,600	2,481,600	175,000	76,000	73,000	95,500	91,000	2,992,100

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	697,988
Encumbered	0
Total	\$697,988

PROJECT: Special Education Facilities Improvements

BOARD OF EDUCATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

B204114

PROJECT DESCRIPTION / JUSTIFICATION:

This capital project funds the necessary renovation and upgrades for our facilities to comply with special education laws and mandates. The State and Local code mandates are unknown at this time, but can be issued without notice. Currently in Harford County, autism classrooms for elementary and middle schools are at capacity. Based on the projected growth, there is a need to modify additional classrooms to accommodate the special needs and anticipated growth of these students.

FY 2020: Expand the STRIVE program to William S. James ES as well as to C. Milton Wright HS for students with autism. Four additional special education buses will be required to transport students for this program expansion. This additional classrooms include bathrooms, sensory areas and seclusion areas.

FY 2021: Add Future Link on Campus program to North Harford HS. Four additional special education buses will be required to transport students for this program expansion. Also add STRIVE program to Fallston MS and Havre de Grace MS/HS. Three additional special education buses will be required.

FY 2022: Enhancements for independent living instruction at Aberdeen High School. Two additional classrooms for Early Learning/Early Intervention (EL/EI) at Youth's Benefit ES. Classroom Support Program (CSP) at Prospect Mill ES. Three additional special education buses will be required for these programs.

FY 2023: Add classroom for High Functioning Autism students and an additional Classroom Support Program in High School. Three additional special education buses will be required.

FY 2024: Elementary School Life Skills Countywide program. Three additional special education buses will be required.

All capital plans/funding are based on the implementation of IDEA and the compliance of laws and mandates associated with supporting students with disabilities in HCPS. Failure to address student needs may lead to litigation and much higher costs.

Per amendments #4-7 Paygo funds are reallocated to this project for FY 20.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	200,000	842,000	1,042,000	1,221,000	787,000	644,000	494,000		4,188,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	200,000	842,000	1,042,000	1,221,000	787,000	644,000	494,000	0	4,188,000

FUNDING SCHEDULE

R6999 Other BOE	200,000		200,000						200,000
R8750 Paygo		842,000	842,000	770,000	330,000	330,000	330,000		2,602,000
R7000 Future Bonds			0	451,000	457,000	314,000	164,000		1,386,000
			0						0
			0						0
			0						0
Total Funds	200,000	842,000	1,042,000	1,221,000	787,000	644,000	494,000	0	4,188,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

Expended	0
Encumbered	0
Total	\$0

PROJECT: Swimming Pool Renovations

BOARD OF EDUCATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

B184110

PROJECT DESCRIPTION / JUSTIFICATION:

This budget category is used for renovation and replacement of the infrastructure for three (3) swimming pools that are located at Edgewood, Magnolia, and North Harford Middle Schools. It will also be used to provide routine maintenance based on a professional plan. It addresses current, medium, and long range maintenance needs to preserve the infrastructure and the filtration system, so that it can remain viable for many years to come.

PROJECT SCHEDULE:

FY 2020: Complete an assessment of all conditions and maintenance needs of all three pools to develop a preventative maintenance plan and a prioritized order of work.



PROJECT STATUS:

Per amendments #2-3 Paygo in the amount of \$585,000 is reallocated to Special Education Facilities Improvements

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	20,000	120,000	140,000	70,000	16,000				226,000
Land Acquisition			0						0
Construction	1,243,000		1,243,000	585,000	145,000				1,973,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,263,000	120,000	1,383,000	655,000	161,000	0	0	0	2,199,000

FUNDING SCHEDULE

R6999 Other BOE	362,113		362,113						362,113
R8750 Paygo	653,000	120,000	773,000	655,000	161,000				1,589,000
R7100 Prior Bonds	247,887		247,887						247,887
			0						0
			0						0
			0						0
Total Funds	1,263,000	120,000	1,383,000	655,000	161,000	0	0	0	2,199,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$6,916
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 430,708
 Encumbered 0
 Total \$430,708

PROJECT: Technology Infrastructure

BOARD OF EDUCATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

B154117

PROJECT DESCRIPTION / JUSTIFICATION:

This project addresses critical annual investments required for a rapidly growing, technology rich environment. These investments are essential to maintain a high level of operational efficiency, avoid obsolescence, address increased bandwidth demands and preserve compatibility to industry standards for technology infrastructure components. This overarching project includes refresh programs for instructional and administrative computers; network, information security, data storage and communications equipment; servers; and auditorium/gymnasium audio/video/theatrical lighting systems. The project also encompasses the integration of multi-media interactive technologies into classrooms to promote stronger student engagement. Additionally, the project is a strategic information technology collaboration involving all the government agencies to address current and future technology initiatives of Harford County.

PROJECT SCHEDULE:

Blended Learning Devices: Student devices for blended learning in support of HCPS' digital transformation initiative. Intended for Grade 1-8, implemented in 4 phases (grades 5&8, 6&4, 7&3, 1&2.)

Network Equipment Replacement (7-8 year cycle): 1,310 wireless access points must be replaced due to end of life support.

Replacement Desktop/Mobile (4 year cycle): Refresh of computers at end of life support.

Phone Systems Replacement: Replace antiquated analog phone systems where 50% are approaching 20+ years. Doing so we can save approximately \$300k of operating budget on phone lines by using HMAN.

Multi-media (projectors) Replacement: Refresh aging LCD projectors. Replacement bulbs, if available, cost more than a replacement projector with higher brightness and newer technology bulbs.

Auditorium/Gymnasium Audio/Video Systems: AHS Auditorium Sound Modification, NHHS Auditoriums Sound/Video Modification



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	4,758,217	500,000	5,258,217						5,258,217
Total Cost	4,758,217	500,000	5,258,217	0	0	0	0	0	5,258,217

FUNDING SCHEDULE

R8750 Paygo	2,134,541	500,000	2,634,541						2,634,541
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
Total Funds	4,758,217	500,000	5,258,217	0	0	0	0	0	5,258,217

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$66,983

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	4,755,422
Encumbered	0
Total	\$4,755,422

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:

Future projects -

- Add additional boilers at HCPS Central Office
- Abingdon Elementary chiller replacement and pneumatic controls; Fountain Green Elementary replacement of pneumatic controls
- Hickory Elementary burner replacement; Meadowvale Elementary chiller replacement; Forest Hill Elementary chiller replacement
- Church Creek Elementary boiler and pneumatic controls; Bel Air Middle chiller/AHU replacement
- Old Post Road (2) boiler replacements; Joppatowne High (2) boiler replacements
- North Harford energy recovery units



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	9,805,137		9,805,137	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	24,805,137
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	9,805,137	0	9,805,137	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	24,805,137

FUNDING SCHEDULE

R8750 Paygo	123,502		123,502						123,502
R6999 Other BOE	3,323,455		3,323,455						3,323,455
R1525 Transfer Tax	100,000		100,000						100,000
R7100 Prior Bonds	6,258,180		6,258,180						6,258,180
R7000 Future Bonds			0	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	9,000,000
R7920 State Bonds				1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000
Total Funds	9,805,137	0	9,805,137	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	24,805,137

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$174,603
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 5,152,854
 Encumbered 0
Total \$5,152,854

PROJECT: Major Roof Repair/Replacement

BOARD OF EDUCATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

D204115

PROJECT DESCRIPTION / JUSTIFICATION:

This capital project provides funding for large major repairs and replacement of roofs for Harford County Public Schools.



PROJECT SCHEDULE:

Future Projects:

- North Harford Elementary School
- Aberdeen Middle School
- Hickory Elementary School
- Havre de Grace Elementary School
- Prospect Mill Elementary School
- North Harford High School

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	250,000	250,000	250,000	250,000	250,000	1,250,000
Land Acquisition			0						0
Construction			0	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	6,250,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000

FUNDING SCHEDULE

R7000 Future Bonds			0	750,000	750,000	750,000	750,000	750,000	3,750,000
R7920 State Bonds			0	750,000	750,000	750,000	750,000	750,000	3,750,000
			0						0
			0						0
			0						0
Total Funds	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended
 Encumbered
 Total \$0

OPEN/ACTIVE PROJECTS

PROJECT: Aberdeen HS North Building

BOARD OF EDUCATION

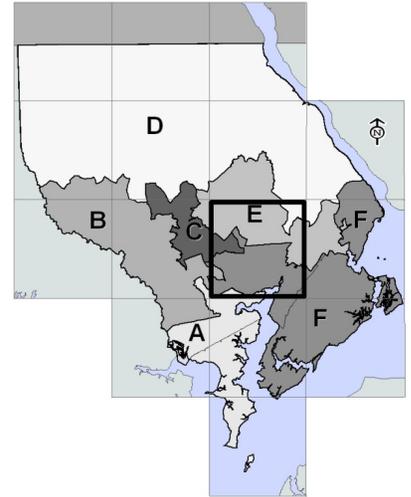
COUNCIL DISTRICT: E

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	665,000		665,000						665,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	665,000	0	665,000	0	0	0	0	0	665,000

FUNDING SCHEDULE

R1525 Transfer Tax	25,000		25,000						25,000
R8770 Reappropriated	640,000		640,000						640,000
			0						0
			0						0
			0						0
			0						0
Total Funds	665,000	0	665,000	0	0	0	0	0	665,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

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.

FY 2020: CEO Front entrance storefront replacement and additional parking and ramps; Harford Tech HS elevator replacement

FY 2021: Restrooms and fountains at Edgewood MS; Fallston HS elevator replacement; Aberdeen MS elevator replacement

FY 2022: Fountains at North Harford MS - Old Post Elementary front entrance storefront replacement and additional parking and ramps; Joppatowne HS elevator replacement

FY 2023: Fallston HS front entrance storefront replacement and additional ramps and parking

FY 2024: Restrooms and fountains at Prospect Mill ES



Amended per resolution before County Council June 18, 2019 transferring future bond authority from Roof Replacement Hickory Elementary School @ \$19,750, George D. Lisby Elementary School HVAC @ \$210,000 and North Bend Elementary School Central Plant and Fire Alarm @ \$166,500.

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	900,000		900,000						900,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	900,000	0	900,000	0	0	0	0	0	900,000

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
R7000 Future Bonds			0						0
			0						0
			0						0
Total Funds	900,000	0	900,000	0	0	0	0	0	900,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$8,370

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	491,769
Encumbered	0
Total	\$491,769

PROJECT: Backflow Prevention

BOARD OF EDUCATION

COUNCIL DISTRICT: C

LOCATION: Various

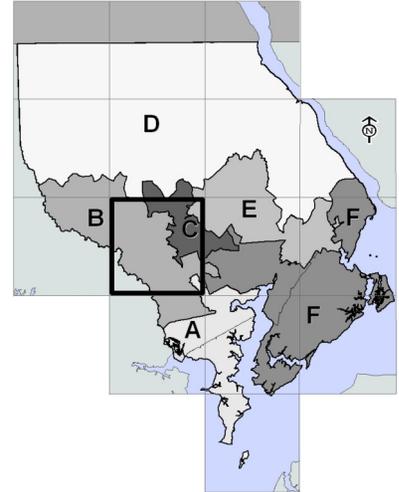
B054111

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 condensate, steam, etc.

PROJECT SCHEDULE:

- FY 2020: Roye Williams Domestic water line; Havre de Grace ES backflow prevention
- FY 2021: Joppatowne HS replace 4" water line; Fallston MS and Joppatowne HS install backflow prevention
- FY 2022: Harford Technical HS and William Paca/Old Post install backflow prevention
- FY 2023: Churchville ES and North Harford ES install backflow prevention
- FY 2024: Halls Cross Roads ES and Forest Hill ES install backflow prevention
- FY 2025: Meadowvale ES and North Bend ES install backflow prevention



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	600,000		600,000						600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	600,000	0	600,000	0	0	0	0	0	600,000

FUNDING SCHEDULE

R6999 Other BOE	250,000		250,000						250,000
R1525 Transfer Tax	250,000		250,000						250,000
R8026 Reappropriated Transfer Tax	100,000		100,000						100,000
R8750 Paygo			0						0
			0						0
			0						0
Total Funds	600,000	0	600,000	0	0	0	0	0	600,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	339,509
Encumbered	
Total	<u>\$339,509</u>

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

BOARD OF EDUCATION

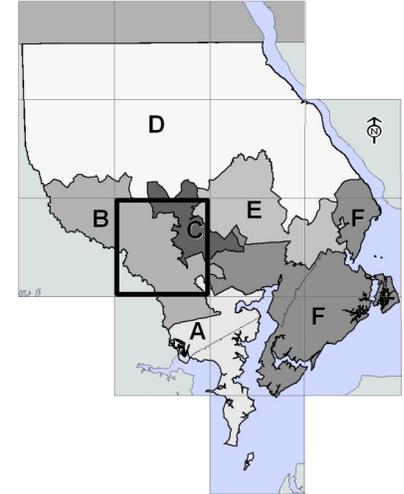
COUNCIL DISTRICT: C

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	1,710,000		1,710,000						1,710,000
Land Acquisition			0						0
Construction	6,419,111		6,419,111						6,419,111
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	8,129,111	0	8,129,111	0	0	0	0	0	8,129,111

FUNDING SCHEDULE

R7100 Prior Bonds	3,970,000		3,970,000						3,970,000
R7920 State Bonds	4,159,000		4,159,000						4,159,000
			0						0
			0						0
			0						0
			0						0
Total Funds	8,129,000	0	8,129,000	0	0	0	0	0	8,129,000

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 2/1/19:

Expended 2,592,684
 Encumbered 0
Total \$2,592,684

PROJECT: Center for Educational Opportunity - HVAC

BOARD OF EDUCATION

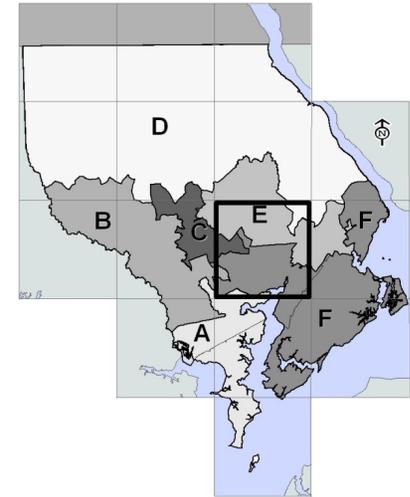
COUNCIL DISTRICT: E

LOCATION: Aberdeen, MD

B164109

PROJECT DESCRIPTION / JUSTIFICATION:

The Center of Educational Opportunity was originally built as Aberdeen Junior High School in 1965 and consists of a single story building plus partial basement of approximately 107,000 SF. Currently, there is no air conditioning in the great majority of the classrooms. There are some window air conditioning units that have been installed in three classrooms and the media center, which do not meet the current indoor air quality requirements. It is recommended that the replacement equipment be electrically cooled roof top units with modulating capacity compressors, and energy recovery features designed to meet current energy codes. The units will be ducted to new VAV boxes in the academic spaces with hot water reheat coils. The existing hot water piping serving the existing heat only until ventilators will be connected to the reheat coils to meet the heating needs of the spaces. New DDC controls should be installed as part of the project. When completed, the new HVAC system will provide a better IAQ environment with improved humidity and temperature control year round.



PROJECT SCHEDULE:

PROJECT STATUS:

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	4,625,000	0	4,625,000	0	0	0	0	0	4,625,000

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
Total Funds	4,625,000	0	4,625,000	0	0	0	0	0	4,625,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	2,158,202
Encumbered	0
Total	\$2,158,202

PROJECT: Darlington Elementary School Comprehensive HVAC Systemic Project

BOARD OF EDUCATION

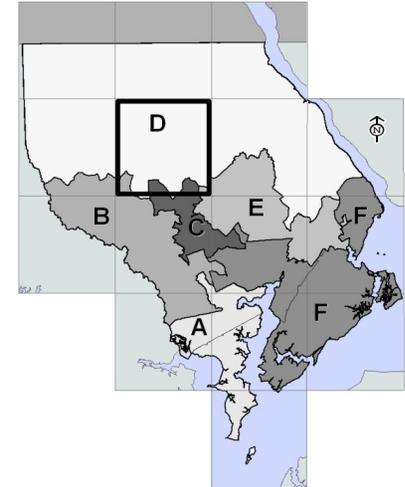
COUNCIL DISTRICT: D

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,638,000	0	1,638,000	0	0	0	0	0	1,638,000

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
Total Funds	1,638,000	0	1,638,000	0	0	0	0	0	1,638,000

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 2/1/19:

Expended 1,338,322
 Encumbered 0
Total \$1,338,322

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 amended per legislation in September 2018 transferring \$50 in Paygo to HVAC Major Repairs capital project.

PROJECT STATUS:

This project is closed and will be removed from CIP after audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	954,950		954,950						954,950
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	954,950	0	954,950	0	0	0	0	0	954,950

FUNDING SCHEDULE

R8750 Paygo	754,950		754,950						754,950
R6999 Other BOE	200,000		200,000						200,000
			0						0
			0						0
			0						0
			0						0
Total Funds	954,950	0	954,950	0	0	0	0	0	954,950

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	754,950
Encumbered	0
Total	\$754,950

PROJECT: Fallston Chiller Replacement

BOARD OF EDUCATION

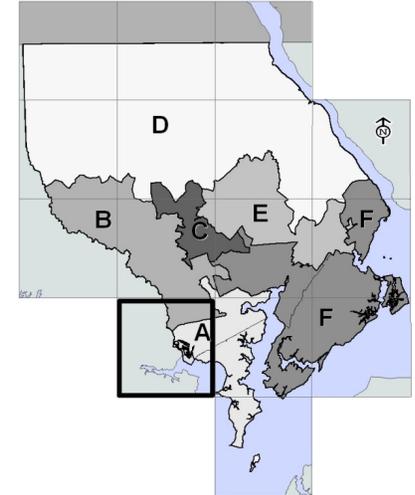
COUNCIL DISTRICT: B

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,000,000	0	1,000,000	0	0	0	0	0	1,000,000

FUNDING SCHEDULE

R7920 State Bonds	554,000		554,000						554,000
R7100 Prior Bonds	446,000		446,000						446,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,000,000	0	1,000,000	0	0	0	0	0	1,000,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$11,953
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 37,420
 Encumbered 0
Total \$37,420

PROJECT: Fallston High School Comprehensive HVAC Systemic Project

BOARD OF EDUCATION

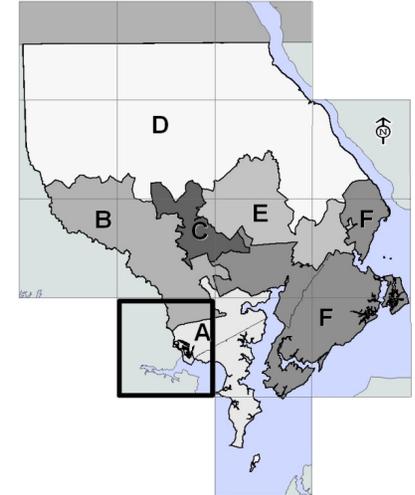
COUNCIL DISTRICT: B

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	17,546,940	0	17,546,940	0	0	0	0	0	17,546,940

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
Total Funds	17,546,940	0	17,546,940	0	0	0	0	0	17,546,940

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 2/1/19:

Expended 7,639,104
 Encumbered 0
Total \$7,639,104

PROJECT: Fire Alarm and ER Communication

BOARD OF EDUCATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

B004112

PROJECT DESCRIPTION / JUSTIFICATION:

Funds are utilized for the installation, repair, or replacement of obsolete fire alarm and emergency communication systems; major sprinkler repairs; and the replacement or addition of generators to provide life safety measures in the event of a power failure in school facilities. This Funds are utilized for the installation, repair, or replacement of obsolete fire alarm and emergency communication systems; major sprinkler The following projects are scheduled for future years:



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,387,000	0	1,387,000	0	0	0	0	0	1,387,000

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
Total Funds	1,387,000	0	1,387,000	0	0	0	0	0	1,387,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 7,885
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 914,325
 Encumbered 0
Total \$914,325

PROJECT: Homestead Wakefield ES Modernization

BOARD OF EDUCATION

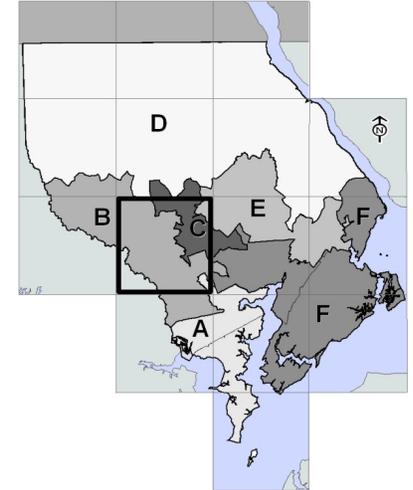
COUNCIL DISTRICT: B

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:

Amended per legislation in September 2018 transferring \$1,000 in prior bonds to HVAC Major Repairs capital project.

PROJECT STATUS:

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	132,454		132,454						132,454
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	132,454	0	132,454	0	0	0	0	0	132,454

FUNDING SCHEDULE

R7100 Prior Bonds	32,454		32,454						32,454
R6999 Other BOE	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
Total Funds	132,454	0	132,454	0	0	0	0	0	132,454

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 2/1/19:

Expended	32,454
Encumbered	0
Total	\$32,454

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	403,000		403,000						403,000
Total Cost	403,000	0	403,000	0	0	0	0	0	403,000

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
Total Funds	403,000	0	403,000	0	0	0	0	0	403,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	392,126
Encumbered	0
Total	\$392,126

PROJECT: Joppatowne High School Systemic Project

BOARD OF EDUCATION

COUNCIL DISTRICT: A

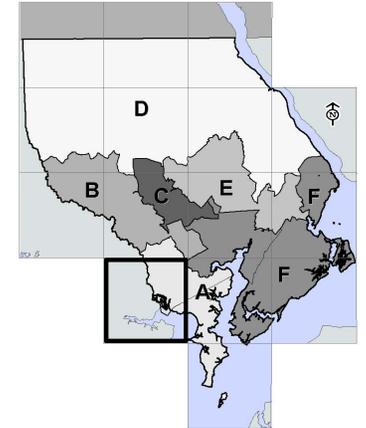
LOCATION: Joppatowne, MD

B144112

PROJECT DESCRIPTION / JUSTIFICATION:

Joppatowne High School was built in 1972 and has not received any major upgrades to the existing building. A minor addition in 1982 added an elevator and a corridor to connect the second floors of the two classroom wings. A gym addition was built in 2008 and will not be impacted by this project. Enrollment at the school remains below capacity, but it does not have spaces for the required programs that need to be offered.

The project consists of a number of State eligible systemic renovation projects including, but not limited to: structural and envelope (exterior doors, windows); mechanical HVAC plumbing (domestic water, fixtures, sprinkler), electrical (lighting), as well as life safety. A back-up generator will be added to address life safety requirements and meet HCPS design standards, any additional requirements for compliance with MEMA if needed, will be incorporated. Educational program components include improved spaces for Homeland Security, Child Development, Music and Tech Ed. Additionally, it will add two science rooms, a professional foods lab, and a multi-purpose room. Additional upgrades include ADA improvements, security improvements including a secure vestibule at the entrance of the school. Minor additions to the building will be required for a new electrical room (460 sf) and vestibule at main entrance (30 sf). Finally, the parking lot will be repaired and repaved.



PROJECT SCHEDULE:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	13,673,000	0	13,673,000	0	0	0	0	0	13,673,000

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
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
Total Funds	13,673,000	0	13,673,000	0	0	0	0	0	13,673,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$206,460
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: Music Equipment Refresh Program

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	50,000		50,000						50,000
Total Cost	50,000	0	50,000	0	0	0	0	0	50,000

FUNDING SCHEDULE

R8750 Paygo	50,000		50,000						50,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	50,000	0	50,000	0	0	0	0	0	50,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	47,524
Encumbered	0
Total	\$47,524

PROJECT: North Harford HS Aquaculture Lab and Greenhouse

BOARD OF EDUCATION

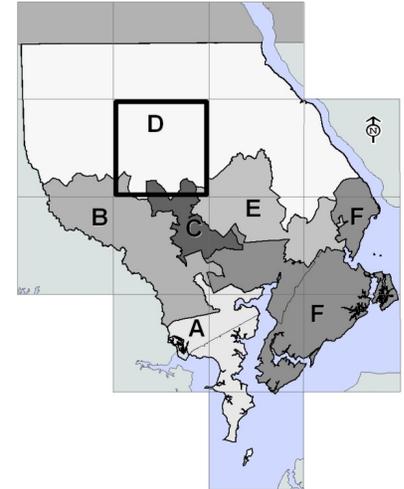
COUNCIL DISTRICT: D

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	830,000	0	830,000	0	0	0	0	0	830,000

FUNDING SCHEDULE

R8750 Paygo	830,000		830,000						830,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	830,000	0	830,000	0	0	0	0	0	830,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	703,010
Encumbered	
Total	<u>\$703,010</u>

PROJECT: North Harford High School Modernization

BOARD OF EDUCATION

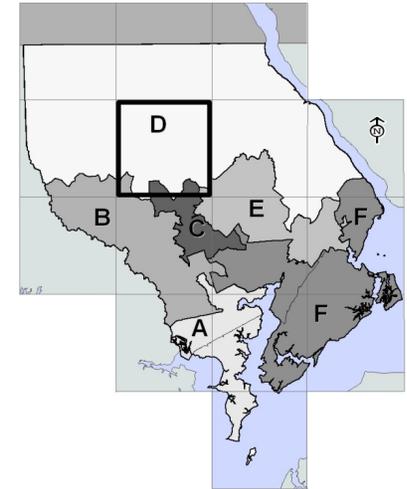
COUNCIL DISTRICT: D

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:

Amended per legislation in September, 2018.

Transfer \$32,351 in transfer tax to Replacement Buses.

PROJECT STATUS:

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 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	29,404,157		29,404,157						29,404,157
Inspection Fees	12,795		12,795						12,795
Equipment/Furnishing			0						0
Total Cost	31,840,781	0	31,840,781	0	0	0	0	0	31,840,781

FUNDING SCHEDULE

R1525 Transfer Tax	6,322,701		6,322,701						6,322,701
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
Total Funds	31,840,781	0	31,840,781	0	0	0	0	0	31,840,781

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 2/1/19:

Expended	31,840,781
Encumbered	0
Total	<u>\$31,840,781</u>

PROJECT: North Harford Middle School Domestic Water Improvements

BOARD OF EDUCATION

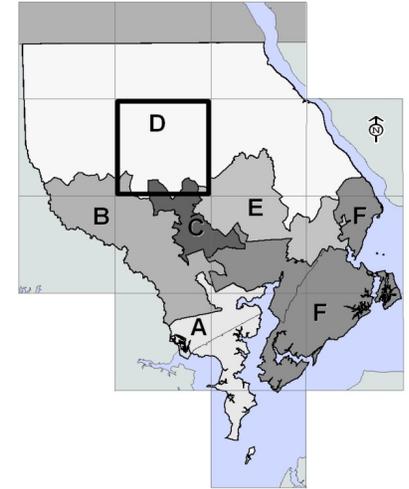
COUNCIL DISTRICT: D

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,000,000		1,000,000						1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,000,000	0	1,000,000	0	0	0	0	0	1,000,000

FUNDING SCHEDULE

R7100 Prior Bonds	1,000,000		1,000,000						1,000,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,000,000	0	1,000,000	0	0	0	0	0	1,000,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$45,000

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 449,207

Encumbered

Total \$449,207

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	350,000		350,000						350,000
Total Cost	350,000	0	350,000	0	0	0	0	0	350,000

FUNDING SCHEDULE

R8750 Paygo	350,000		350,000						350,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	350,000	0	350,000	0	0	0	0	0	350,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	343,549
Encumbered	
Total	\$343,549

PROJECT: Prospect Mill Elementary School HVAC

BOARD OF EDUCATION

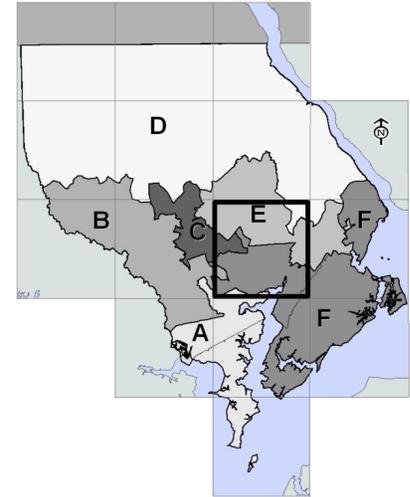
COUNCIL DISTRICT: E

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	4,685,000	0	4,685,000	0	0	0	0	0	4,685,000

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
Total Funds	4,685,000	0	4,685,000	0	0	0	0	0	4,685,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: **64,003**
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended **2,290,977**
 Encumbered **0**
Total \$2,290,977

PROJECT: Red Pump Road Elementary School

BOARD OF EDUCATION

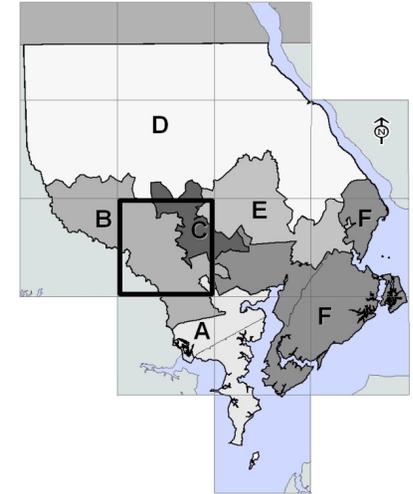
COUNCIL DISTRICT: C

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:

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2019

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	29,837,480	0	29,837,480	0	0	0	0	0	29,837,480

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
Total Funds	29,837,480	0	29,837,480	0	0	0	0	0	29,837,480

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 2/1/19:

Expended	28,080,080
Encumbered	0
Total	\$28,080,080

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:

Amended per legislation in September 2018
 Transfer \$618,393 in prior bonds to HVAC Major Repairs

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		0	0						0
Land Acquisition			0						0
Construction	8,255,607	0	8,255,607						8,255,607
Inspection Fees		0	0						0
Equipment/Furnishing			0						0
Total Cost	8,255,607	0	8,255,607	0	0	0	0	0	8,255,607

FUNDING SCHEDULE

R7920 State Bonds	4,158,000	0	4,158,000						4,158,000
R7100 Prior Bonds	4,097,607	0	4,097,607						4,097,607
			0						0
			0						0
			0						0
Total Funds	8,255,607	0	8,255,607	0	0	0	0	0	8,255,607

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 2/1/19:

Expended	3,941,381
Encumbered	0
Total	\$3,941,381

PROJECT: Roof Replacement - Joppatowne High School

BOARD OF EDUCATION

COUNCIL DISTRICT: A

LOCATION: Joppatowne

B174105

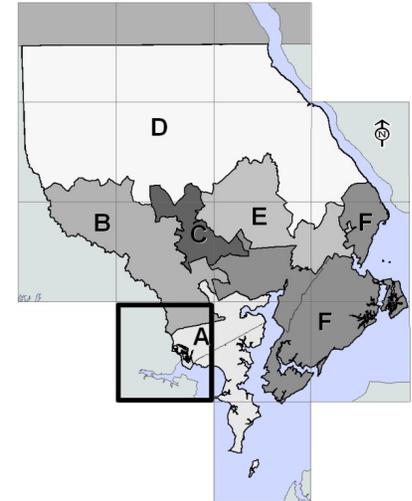
PROJECT DESCRIPTION / JUSTIFICATION:

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.

PROJECT SCHEDULE:

PROJECT STATUS:

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2019.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	204,000		204,000						204,000
Land Acquisition			0						0
Construction	1,970,207		1,970,207						1,970,207
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	2,174,207	0	2,174,207	0	0	0	0	0	2,174,207

FUNDING SCHEDULE

R7100 Prior Bonds	889,207		889,207						889,207
R7920 State Bonds	1,285,000		1,285,000						1,285,000
			0						0
			0						0
			0						0
			0						0
Total Funds	2,174,207	0	2,174,207	0	0	0	0	0	2,174,207

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 2/1/19:

Expended	889,207
Encumbered	0
Total	\$889,207

PROJECT: Roof Replacement - North Harford Elementary School

BOARD OF EDUCATION

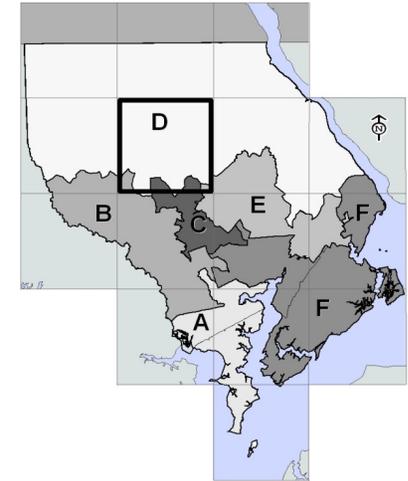
COUNCIL DISTRICT: D

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,064,000	0	1,064,000	0	0	0	0	0	1,064,000

FUNDING SCHEDULE

R7100 Prior Bonds	495,000		495,000						495,000
R7920 State Bonds	569,000		569,000						569,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,064,000	0	1,064,000	0	0	0	0	0	1,064,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 13,811
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 261,260
 Encumbered 0
Total \$261,260

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,236,530	0	1,236,530	0	0	0	0	0	1,236,530

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
Total Funds	1,236,530	0	1,236,530	0	0	0	0	0	1,236,530

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 5,650
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 1,125,220
 Encumbered 0
 Total \$1,125,220

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,728,000	0	1,728,000	0	0	0	0	0	1,728,000

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
Total Funds	1,728,000	0	1,728,000	0	0	0	0	0	1,728,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	638,669
Encumbered	0
Total	\$638,669

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 Maryland Department of Education's graduation requirements. 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 2020 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
Total Cost	250,000	0	250,000	0	0	0	0	0	250,000

FUNDING SCHEDULE

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

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	46,637
Encumbered	0
Total	\$46,637

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 to all 54 elementary, middle and high schools.

Since 2013-14, Harford County Public Schools (HCPS) has fully implemented the Maryland College and Career Ready Standards (MCCRS), which are grounded in The Common Core Public Standards. The Common Core State Standards were adopted by the Maryland Department of Education in June 2010. The MCCRS establishes a single set of clear and rigorous educational standards for grades Pre K-12 in reading, English, Language Arts and mathematics and are designed to ensure students graduating from high school are prepared to enter credit bearing entry courses in two or four year college programs and/or enter the workforce. The standards are research and evidence based and internationally benchmarked. In addition, new standards continue to be revised and adopted by the Maryland State Department of Education 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 MCCRS as well as MSDEs and HCPS assessment programs serve as a constant reminder that classroom instruction must evolve to support student achievement. Due to these changes in standards and technology, HCPS continues to research and examine textbooks, materials of instruction and supplemental materials to support 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. Publishers and authors have been researching and aligning these resources to the MCCRS, so HCPS will see an increase in purchasing textbook and other resources to support the revised curricula and the assessment program. When materials are purchased system-wide, overall costs are reduced to the school system.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	5,300,000	0	5,300,000	0	0	0	0	0	5,300,000

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
Total Funds	5,300,000	0	5,300,000	0	0	0	0	0	5,300,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	2,399,771
Encumbered	0
Total	\$2,399,771

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

BOARD OF EDUCATION

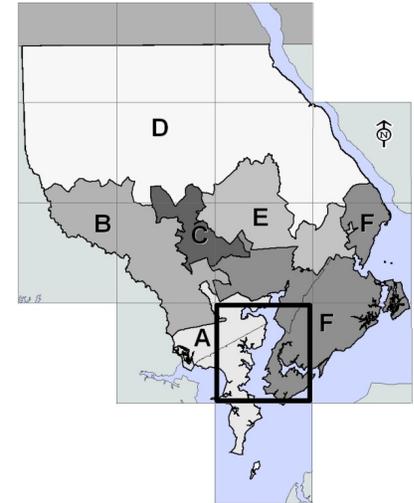
COUNCIL DISTRICT: A

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

PROJECT STATUS:

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2019

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	2,417,000	0	2,417,000	0	0	0	0	0	2,417,000

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
Total Funds	2,417,000	0	2,417,000	0	0	0	0	0	2,417,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	1,261,000
Encumbered	0
Total	<u>\$1,261,000</u>

PROJECT: William S. James ES Open Space Enclosure Project

BOARD OF EDUCATION

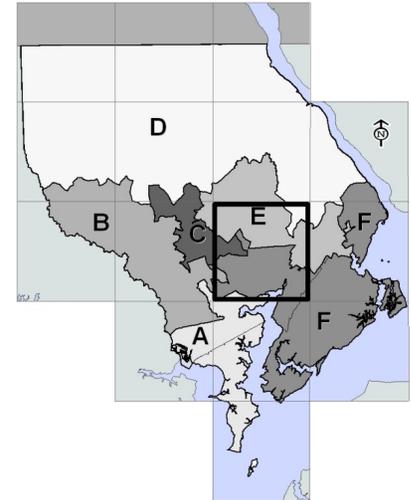
COUNCIL DISTRICT: B

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:

PROJECT STATUS:

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,400,000	0	1,400,000	0	0	0	0	0	1,400,000

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
Total Funds	1,400,000	0	1,400,000	0	0	0	0	0	1,400,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	691,000
Encumbered	0
Total	\$691,000

PROJECT: Youth's Benefit Elementary School Replacement

BOARD OF EDUCATION

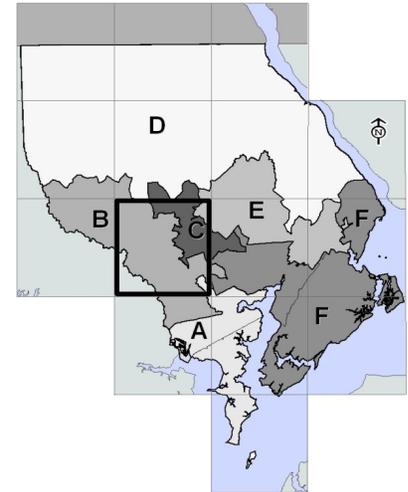
COUNCIL DISTRICT: B

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:

Amended per legislation in September 2018.

Transferred funds from Bel Air ES HVAC Systemic Renovation & Open Space \$485,000

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	3,510,600		3,510,600						3,510,600
Land Acquisition			0						0
Construction	42,111,266		42,111,266						42,111,266
Inspection Fees	3,240,000		3,240,000						3,240,000
Equipment/Furnishing			0						0
Total Cost	48,861,866	0	48,861,866	0	0	0	0	0	48,861,866

FUNDING SCHEDULE

R7100 Prior Bonds	38,611,866		38,611,866						38,611,866
R7920 State Bonds	10,250,000		10,250,000						10,250,000
			0						0
			0						0
			0						0
			0						0
Total Funds	48,861,866	0	48,861,866	0	0	0	0	0	48,861,866

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 2/1/19:

Expended	37,453,731
Encumbered	0
Total	<u>37,453,731</u>

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
SOLID WASTE SERVICES								
FY 20 Funded Projects:								
HWDC Landfill Capping	10,070,000	9,320,000	125,000	125,000	125,000	125,000	125,000	125,000
HWDC Pavement Upgrades	1,950,000	400,000	400,000	200,000	350,000	225,000	200,000	175,000
Solid Waste Facilities Repair Program	2,750,000	0	1,000,000	350,000	350,000	350,000	350,000	350,000
Open Projects:								
Environmental Studies and Projects	1,440,900	1,440,900	0	0	0	0	0	0
Former Spencers Landfill Closure (East Side)	6,700,000	6,700,000	0	0	0	0	0	0
Full Cost Accounting Study	300,000	300,000	0	0	0	0	0	0
HWDC Compost Area Facilities	525,000	525,000	0	0	0	0	0	0
HWDC Expansion	21,235,354	21,235,354	0	0	0	0	0	0
Scarboro Landfill Groundwater Treatment Plant	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 Center	975,081	975,081	0	0	0	0	0	0
Waste-to-Energy Facility Closure	8,163,753	8,163,753	0	0	0	0	0	0
Solid Waste Services Total by Project	55,394,767	50,344,767	1,525,000	675,000	825,000	700,000	675,000	650,000
Paygo	28,486,043	26,186,043	525,000	325,000	475,000	350,000	325,000	300,000
Reappropriated	2,693,283	2,693,283	0	0	0	0	0	0
Future Bonds	2,750,000	0	1,000,000	350,000	350,000	350,000	350,000	350,000
Prior Bonds	21,125,441	21,125,441	0	0	0	0	0	0
Other	340,000	340,000	0	0	0	0	0	0
Solid Waste Services Total by Fund	55,394,767	50,344,767	1,525,000	675,000	825,000	700,000	675,000	650,000

FY 20 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>													
SOLID WASTE SERVICES													
HWDC Landfill Capping	125,000	0	125,000	0	0	0	0	0	0	0	0	0	0
HWDC Pavement Upgrades	400,000	0	400,000	0	0	0	0	0	0	0	0	0	0
Solid Waste Facilities Repair Program	1,000,000	0	0	0	1,000,000	0	0	0	0	0	0	0	0
SUB-TOTAL SOLID WASTE CAPITAL	1,525,000	0	525,000	0	1,000,000	0	0	0	0	0	0	0	0

PROJECT: HWDC Landfill Capping

SOLID WASTE

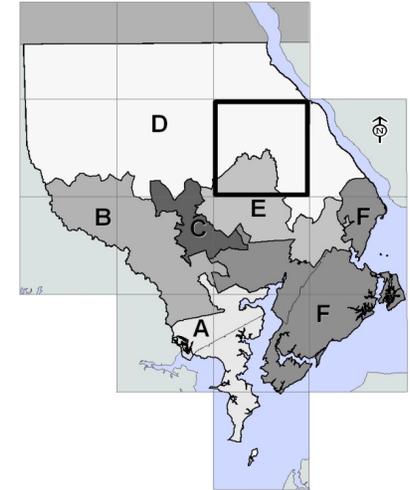
COUNCIL DISTRICT: D

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 for proper closure and post-closure of completed landfill cells at the Harford Waste Disposal Center (HWDC) including related studies, activities, equipment, and appurtenances.



PROJECT SCHEDULE:

Ongoing

PROJECT STATUS:

Ongoing

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	400,000		400,000						400,000
Land Acquisition			0						0
Construction	8,770,000	125,000	8,895,000	125,000	125,000	125,000	125,000	125,000	9,520,000
Inspection Fees	150,000		150,000						150,000
Equipment/Furnishing			0						0
Total Cost	9,320,000	125,000	9,445,000	125,000	125,000	125,000	125,000	125,000	10,070,000

FUNDING SCHEDULE

R8750 Paygo	9,320,000	125,000	9,445,000	125,000	125,000	125,000	125,000	125,000	10,070,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	9,320,000	125,000	9,445,000	125,000	125,000	125,000	125,000	125,000	10,070,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

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

PROJECT: HWDC Pavement Upgrades

SOLID WASTE

COUNCIL DISTRICT: D

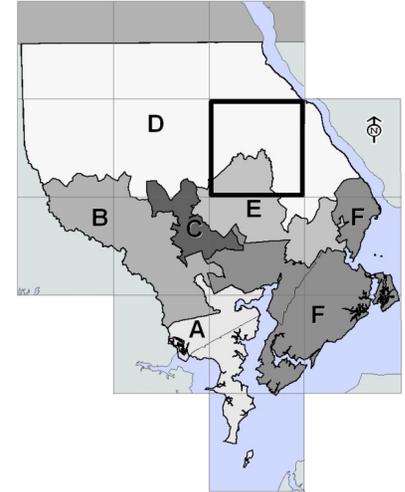
LOCATION: Street, MD

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 Drop-off, Scales, and Compost Facility.



PROJECT SCHEDULE:

FY2019: Leachate access road, scale and HODO area
 FY2020: Upper compost pad and remaining HODO area
 FY2021: Lower compost pad, access roads, office, etc.

PROJECT STATUS:

Ongoing

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	400,000	400,000	800,000	200,000	350,000	225,000	200,000	175,000	1,950,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	400,000	400,000	800,000	200,000	350,000	225,000	200,000	175,000	1,950,000

FUNDING SCHEDULE

R8089 Reappropriated Paygo	199,857		199,857						199,857
R8750 Paygo	200,143	400,000	600,143	200,000	350,000	225,000	200,000	175,000	1,750,143
			0						0
			0						0
			0						0
			0						0
Total Funds	400,000	400,000	800,000	200,000	350,000	225,000	200,000	175,000	1,950,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	137,570
Encumbered	0
Total	\$137,570

PROJECT: Solid Waste Facilities Repair Program

SOLID WASTE

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

New

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides funding for the replacement, renovation and repairs of DPW - Solid Waste facilities; to include site improvements, roofing, structural, electrical, etc.



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		1,000,000	1,000,000	350,000	350,000	350,000	350,000	350,000	2,750,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	1,000,000	1,000,000	350,000	350,000	350,000	350,000	350,000	2,750,000

FUNDING SCHEDULE

R7000 Future Bonds		1,000,000	1,000,000	350,000	350,000	350,000	350,000	350,000	2,750,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	1,000,000	1,000,000	350,000	350,000	350,000	350,000	350,000	2,750,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$27,900
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

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, equipment, and property acquisitions involving the environment.

This project relates to the Harford County Ten-Year Solid Waste Management Plan.



PROJECT SCHEDULE:

This project is ongoing

PROJECT STATUS:

This project is ongoing.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,440,900	0	1,440,900	0	0	0	0	0	1,440,900

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
Total Funds	1,440,900	0	1,440,900	0	0	0	0	0	1,440,900

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	1,207,099
Encumbered	26,110
Total	\$1,233,209

PROJECT: Former Spencers Landfill Closure (East Side)

SOLID WASTE

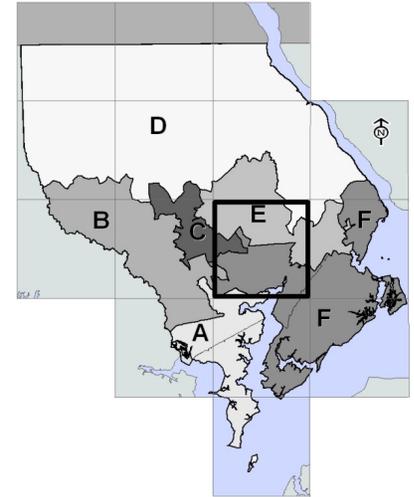
COUNCIL DISTRICT: F

LOCATION: Abingdon, MD

D125601

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides for the design and construction of landfill cap, site restoration, and post-closure care. 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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	6,700,000	0	6,700,000	0	0	0	0	0	6,700,000

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
Total Funds	6,700,000	0	6,700,000	0	0	0	0	0	6,700,000

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 2/1/19:

Expended	5,100,753
Encumbered	0
Total	\$5,100,753

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	300,000	0	300,000	0	0	0	0	0	300,000

FUNDING SCHEDULE

R8750 Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
Total Funds	300,000	0	300,000	0	0	0	0	0	300,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	235,040
Encumbered	64,960
Total	\$300,000

PROJECT: HWDC Compost Area Facilities

SOLID WASTE

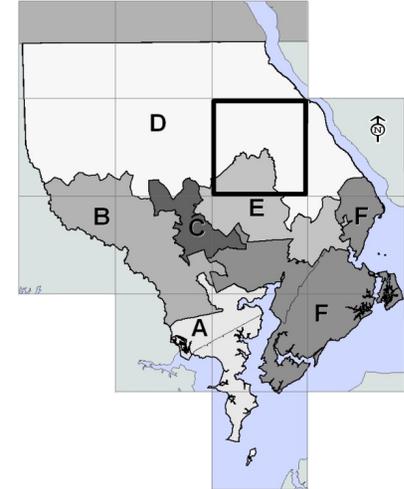
COUNCIL DISTRICT: D

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 equipment and appurtenances. 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 2019: planning study.
FY 2020: construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	525,000		525,000						525,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	525,000	0	525,000	0	0	0	0	0	525,000

FUNDING SCHEDULE

R7100 Prior Bonds	525,000		525,000						525,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
Total Funds	525,000	0	525,000	0	0	0	0	0	525,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$14,648
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 31,045
Encumbered 0
Total \$31,045

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, landfill gas control system, leachate management, daily cover, office facilities, and facility related studies, activities, equipment, appurtenances and land acquisition for additional buffer area and for future operations of the Harford Waste Disposal Center (HWDC).

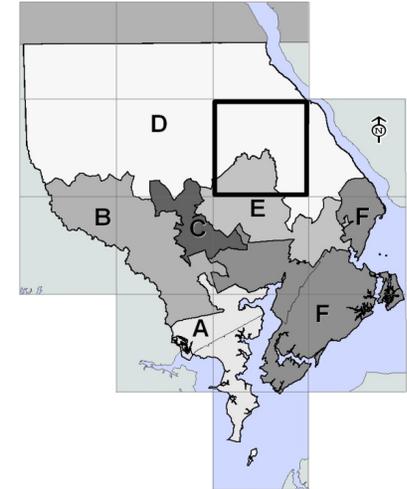
This project is related to the Harford County Government Ten Year Solid Waste Management Plan.

PROJECT SCHEDULE:

FY20: Facility study, drainage and stormwater management upgrades
 FY21: Abatement and removal of abandoned structures

PROJECT STATUS:

This project will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2019.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	1,181,013		1,181,013						1,181,013
Land Acquisition	1,900,000		1,900,000						1,900,000
Construction	18,004,341		18,004,341						18,004,341
Inspection Fees			0						0
Equipment/Furnishing	150,000		150,000						150,000
Total Cost	21,235,354	0	21,235,354	0	0	0	0	0	21,235,354

FUNDING SCHEDULE

R7100 Prior Bonds	19,001,127		19,001,127						19,001,127
R8750 Paygo	1,065,000		1,065,000						1,065,000
R8089 Reappropriated Paygo	1,169,227		1,169,227						1,169,227
			0						0
			0						0
			0						0
Total Funds	21,235,354	0	21,235,354	0	0	0	0	0	21,235,354

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$530,131
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 19,962,998
 Encumbered 521,694
Total \$20,484,692

PROJECT: Scarboro Landfill Groundwater Treatment Plant Evaluation and Upgrades

SOLID WASTE

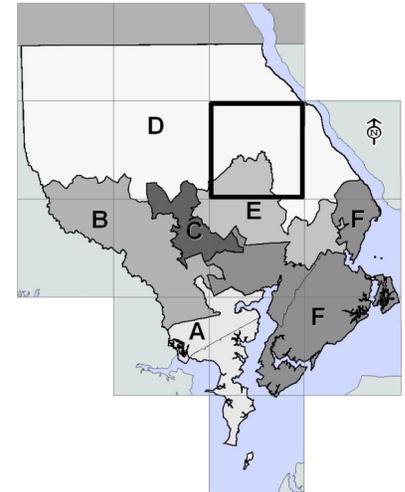
COUNCIL DISTRICT: D

LOCATION: Street, MD

D174108

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides for the evaluation and modification of the existing groundwater treatment system, including additional monitoring, to determine and make 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:

Consent Order Modifications FY2019
Design and construction FY2019 - FY2020

PROJECT STATUS:

Ongoing

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	250,000	0	250,000	0	0	0	0	0	250,000

FUNDING SCHEDULE

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

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	20,309
Encumbered	
Total	\$20,309

PROJECT: Tollgate Landfill Gas System

SOLID WASTE

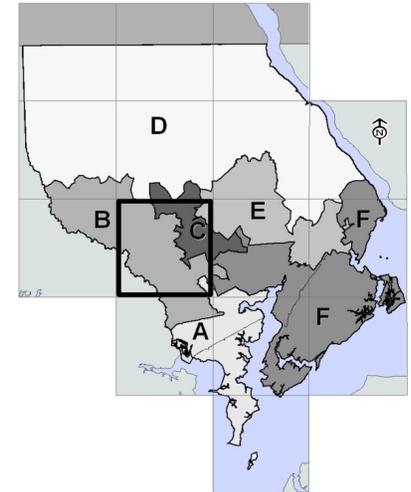
COUNCIL DISTRICT: C

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,034,679	0	1,034,679	0	0	0	0	0	1,034,679

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
Total Funds	1,034,679	0	1,034,679	0	0	0	0	0	1,034,679

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$18,135
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 1,033,333
 Encumbered 497
Total \$1,033,830

PROJECT: Tollgate Yard Trim Recycling Center

SOLID WASTE

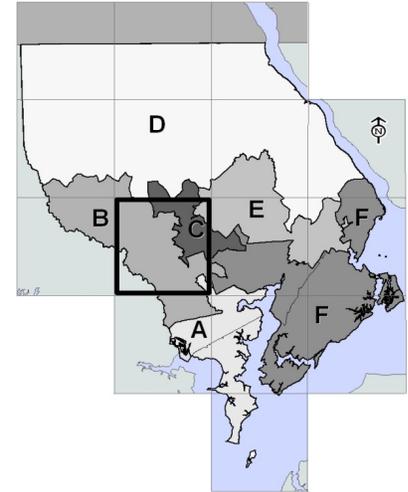
COUNCIL DISTRICT: C

LOCATION: Bel Air, MD

D155602

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides for the planning, 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 and personnel facilities, storage, equipment, site utilities and lighting, improvements to site security, stormwater management facilities, paving, and other appurtenances. The new design will improve safety and service to over 2,000 customers per day. The 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:

FY2019: design
FY2020: construction

PROJECT STATUS:

Project is ongoing

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	975,081		975,081						975,081
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	975,081		975,081	0	0	0	0	0	975,081

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
Total Funds	975,081	0	975,081	0	0	0	0	0	975,081

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$26,486
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 25,000
Encumbered 0
Total \$25,000

PROJECT: Waste-To-Energy Facility Closure

SOLID WASTE

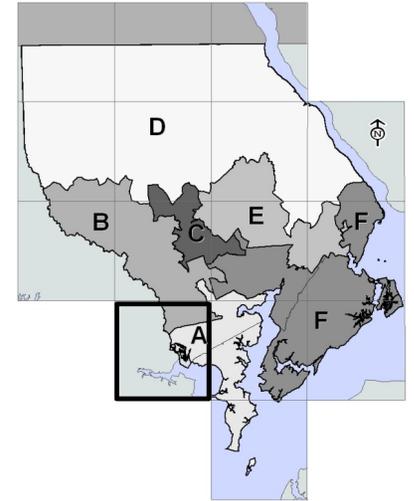
COUNCIL DISTRICT: A

LOCATION: Joppa

D145602

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides for decommissioning, 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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	400,000		400,000						400,000
Land Acquisition			0						0
Construction	7,763,753		7,763,753						7,763,753
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	8,163,753	0	8,163,753	0	0	0	0	0	8,163,753

FUNDING SCHEDULE

R8089 Reappropriated Paygo	803,753		803,753						803,753
R8750 Paygo	7,360,000		7,360,000						7,360,000
			0						0
			0						0
			0						0
			0						0
Total Funds	8,163,753	0	8,163,753	0	0	0	0	0	8,163,753

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 1,372,025
 Encumbered 1,770,630
Total \$3,142,655

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
<u>PARKS & RECREATION FUND</u>								
<u>FY 20 Funded Projects:</u>								
Athletic Field Improvements	27,550,000	12,550,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
Cedar Lane Sports Complex Improvements	2,961,000	2,361,000	100,000	100,000	100,000	100,000	100,000	100,000
Darlington Park Development	2,010,000	1,895,000	90,000	0	0	0	0	25,000
Dog Park Construction & Improvements	320,000	0	90,000	0	50,000	0	90,000	90,000
Edgeley Grove Farm	190,000	40,000	100,000	0	0	0	0	50,000
Edgewood Recreation and Community Center	525,000	100,000	125,000	300,000	0	0	0	0
Emmorton Recreation and Tennis Center Improvements	1,735,000	1,485,000	250,000	0	0	0	0	0
Equestrian Center Improvements	675,000	375,000	100,000	100,000	0	0	100,000	0
Facility Renovations	925,000	375,000	50,000	100,000	100,000	100,000	100,000	100,000
Gymnasium Floor Repair and Renovations	335,000	135,000	50,000	50,000	0	50,000	0	50,000
Mariner Point Park - DMP Site Remediation	1,115,000	0	100,000	0	1,015,000	0	0	0
Norrisville Park	1,325,000	0	125,000	1,050,000	0	0	0	150,000
Otter Point Creek Boat Launch	560,000	0	560,000	0	0	0	0	0
Parking Lot Paving	1,309,000	904,000	50,000	55,000	0	150,000	150,000	0
Parkland Acquisition	16,361,000	9,456,000	1,780,000	1,025,000	1,025,000	1,025,000	1,025,000	1,025,000
Playground Equipment	3,645,000	2,280,000	325,000	225,000	225,000	175,000	175,000	240,000
Rock Glenn Park	1,300,000	100,000	1,200,000	0	0	0	0	0
Swan Harbor Farm Improvements	689,000	639,000	50,000	0	0	0	0	0
SWM Pond Repair and Renovation	950,000	450,000	260,000	120,000	0	120,000	0	0
Tennis/Multipurpose Courts	1,740,000	940,000	350,000	100,000	100,000	100,000	150,000	0
Tollgate Woodshop	40,000	25,000	15,000	0	0	0	0	0
Trails & Linear Parks	15,600,000	9,600,000	6,000,000	0	0	0	0	0
<u>Outyear Projects</u>								
Aberdeen Activity Center	9,000,000	0	0	500,000	8,000,000	500,000	0	0
ADA Improvements	620,000	370,000	0	75,000	0	75,000	0	100,000
Backstop Renovations	420,000	270,000	0	50,000	0	50,000	0	50,000
Benson Field Development	1,100,000	0	0	100,000	0	0	0	1,000,000
Blake's Venture Park	1,100,000	0	0	100,000	0	1,000,000	0	0
Bleacher Renovations	730,000	490,000	0	80,000	0	80,000	0	80,000
Bulkhead Renovations	650,000	0	0	0	40,000	535,000	0	75,000
Canoe and Kayak Access	1,405,000	880,000	0	200,000	0	0	325,000	0
Churchville Center Renovations	1,175,000	575,000	0	100,000	0	500,000	0	0
Disc Golf Course	100,000	50,000	0	50,000	0	0	0	0
Eden Mill Park Rehabilitation	1,305,000	1,155,000	0	50,000	0	0	100,000	0
Edgewood Recreation Park	650,000	50,000	0	0	0	100,000	500,000	0
Emily Bayliss Graham Park	3,850,000	2,575,000	0	525,000	500,000	0	250,000	0
Heavenly Waters Park - Soma	725,000	100,000	0	0	100,000	0	0	525,000
Jarrettsville Recreation Center	7,210,775	510,775	0	0	0	6,500,000	200,000	0
Joppa/Joppatowne Youth/Senior Center	7,000,000	0	0	0	0	500,000	6,500,000	0
Magnolia Complex Development	2,480,000	2,055,000	0	425,000	0	0	0	0
Mariner Point Park Renovations	686,000	636,000	0	50,000	0	0	0	0
Northern Regional Park	3,325,000	575,000	0	0	250,000	0	1,500,000	1,000,000
Oakington Peninsula Heritage Trail	400,000	0	0	100,000	0	100,000	0	200,000
Park Improvements	380,000	130,000	0	50,000	50,000	50,000	50,000	50,000
Perryman Park Development	1,125,000	0	0	125,000	500,000	500,000	0	0
Prospect Mill Park	600,000	0	0	100,000	500,000	0	0	0
Red Pump Road Elementary School Facilities	175,000	0	0	50,000	125,000	0	0	0
Robert Copenhaver Park Improvements	550,000	300,000	0	0	0	250,000	0	0
Rockfield Park Improvements	370,000	170,000	0	0	100,000	100,000	0	0
Vale Road Park	1,100,000	0	0	100,000	1,000,000	0	0	0

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
<u>PARKS & RECREATION FUND</u>								
<u>Open Projects</u>								
Anita C. Leight Center Improvements	1,005,000	1,005,000	0	0	0	0	0	0
Bush River Dredging and DMP Site	990,000	990,000	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
Enlarged Gymnasiums and Joint Facilities	1,200,000	1,200,000	0	0	0	0	0	0
Facility Renovations	1,205,000	1,205,000	0	0	1,205,000	0	0	0
Flying Point Park Improvements	403,000	403,000	0	0	0	0	0	0
Forest Hill Recreation Complex Improvements	800,000	800,000	0	0	0	0	0	0
Fox Meadows Park Improvements	450,000	450,000	0	0	0	0	0	0
Francis Silver Park Improvements	425,000	425,000	0	0	0	0	0	0
Gunpowder River Dredging	2,234,000	2,234,000	0	0	0	0	0	0
Heavenly Waters Park	2,120,000	2,120,000	0	0	0	0	0	0
Indoor Recreation Facility - Forest Hill/Hickory	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
Natural Turf Improvements	1,290,000	1,290,000	0	0	0	0	0	0
Nuttall Avenue Park Development	500,000	500,000	0	0	0	0	0	0
Schucks Road Regional Complex	8,110,415	8,110,415	0	0	0	0	0	0
Tudor Hall Rehabilitation	610,000	610,000	0	0	0	0	0	0
Parks & Rec Total by Project	162,695,020	87,205,020	14,270,000	8,555,000	16,280,000	15,160,000	13,815,000	7,410,000
Paygo	4,591,322	4,591,322	0	0	0	0	0	0
Paygo - Hotel Tax Revenue	0	0	0	0	0	0	0	0
Paygo - Parks and Recreation Fund	100,000	0	100,000	0	0	0	0	0
Future Bonds	38,700,000	0	2,500,000	3,000,000	10,000,000	10,500,000	9,200,000	3,500,000
Prior Bonds	26,656,830	24,156,830	2,500,000	0	0	0	0	0
Reappropriated	6,132,735	5,424,935	707,800	0	0	0	0	0
Recordation Tax	31,977,133	18,284,933	2,667,200	2,720,000	2,365,000	2,085,000	2,090,000	1,765,000
State	7,443,500	5,103,500	165,000	50,000	1,540,000	515,000	0	70,000
Program Open Space	26,441,000	14,076,000	2,700,000	1,825,000	1,900,000	1,775,000	2,300,000	1,865,000
Federal	7,295,000	5,130,000	2,165,000	0	0	0	0	0
Developer	1,059,500	934,500	25,000	50,000	50,000	0	0	0
Other	12,298,000	9,503,000	740,000	910,000	425,000	285,000	225,000	210,000
Parks & Rec Total by Fund	162,695,020	87,205,020	14,270,000	8,555,000	16,280,000	15,160,000	13,815,000	7,410,000
TOTAL PARKS & RECREATION CAPITAL	162,695,020	87,205,020	14,270,000	8,555,000	16,280,000	15,160,000	13,815,000	7,410,000

FY 20 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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PARKS & RECREATION FUND

PARKS & RECREATION

Athletic Field Improvements	2,500,000	0	0	0	2,500,000	0	0	0	0	0	0	0	0
Cedar Lane Sports Complex Improvements	100,000	0	0	0	0	0	0	0	0	0	0	0	100,000
Darlington Park Development	90,000	0	0	0	0	0	0	20,000	0	70,000	0	0	0
Dog Park Construction and Improvements	90,000	0	0	0	0	72,800	0	17,200	0	0	0	0	0
Edgeley Grove Farm	100,000	0	0	0	0	0	0	100,000	0	0	0	0	0
Edgewood Recreation and Community Center	125,000	0	0	0	0	0	0	125,000	0	0	0	0	0
Emmorton Recreation and Tennis Center Improvements*	250,000	0	50,000	0	0	150,000	0	50,000	0	0	0	0	0
Equestrian Center Improvements	100,000	0	0	0	0	0	0	0	0	0	0	0	100,000
Facility Renovations	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Gymnasium Floor Repair and Renovation	50,000	0	0	0	0	0	0	25,000	0	0	0	0	25,000
Mariner Point Park - DMP Site Remediation	100,000	0	0	0	0	0	0	0	100,000	0	0	0	0
Norrisville Park	125,000	0	0	0	0	125,000	0	0	0	0	0	0	0
Otter Point Creek Boat Launch	560,000	0	0	0	0	200,000	0	30,000	165,000	0	165,000	0	0
Parking Lot Paving	50,000	0	0	0	0	0	0	50,000	0	0	0	0	0
Parkland Acquisition	1,780,000	0	0	0	0	0	0	0	0	1,780,000	0	0	0
Playground Equipment	325,000	0	0	0	0	0	0	100,000	0	200,000	0	25,000	0
Rock Glenn Park	1,200,000	0	0	0	0	0	0	800,000	0	0	0	0	400,000
Swan Harbor Farm Improvements*	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
SWM Pond Repair and Renovation	260,000	0	0	0	0	160,000	0	100,000	0	0	0	0	0
Tennis/Multipurpose Court	350,000	0	0	0	0	0	0	200,000	0	150,000	0	0	0
Tollgate Woodshop	15,000	0	0	0	0	0	0	0	0	0	0	0	15,000
Trails and Linear Parks	6,000,000	0	0	2,500,000	0	0	0	1,000,000	0	500,000	2,000,000	0	0

*Swan Harbor Special Paygo

TOTAL PARKS & RECREATION CAPITAL	14,270,000	0	100,000	2,500,000	2,500,000	707,800	0	2,667,200	265,000	2,700,000	2,165,000	25,000	640,000
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PROJECT: Athletic Field Improvements

PARKS AND RECREATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

P084117

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes major improvements to athletic fields both natural and synthetic at various locations throughout the County. FY 2020 funds will be utilized for construction 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. This project supports Harford County's sport tourism industry through the improvement of playing surfaces at parks and recreation facilities throughout Harford County, including Cedar Lane Sports Complex.

This project also 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:

Engineering for the Patterson Mill field is underway.

Construction of the Patterson Mill field is anticipated in summer 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	825,000		825,000						825,000
Land Acquisition			0						0
Construction	11,380,000	2,475,000	13,855,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	26,355,000
Inspection Fees	345,000	25,000	370,000						370,000
Equipment/Furnishing			0						0
Total Cost	12,550,000	2,500,000	15,050,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	27,550,000

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		2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000
R7100 Prior Bonds	10,400,000		10,400,000						10,400,000
R8092 Reappropriated Recordation Tax	250,000		250,000						250,000
			0						0
Total Funds	12,550,000	2,500,000	15,050,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	27,550,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$359,910
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 10,967,699
 Encumbered 47,850
 Total \$11,015,549

PROJECT: Cedar Lane Sports Complex Improvements

PARKS AND RECREATION

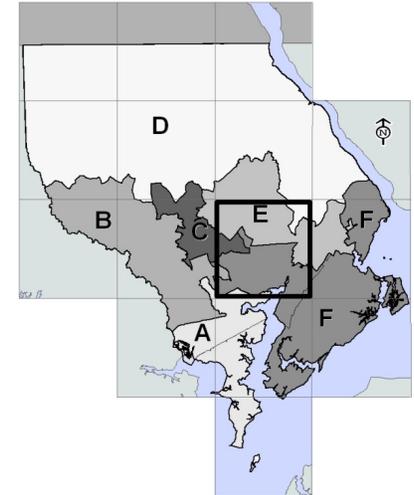
COUNCIL DISTRICT: C

LOCATION: Creswell

P104111

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes improvements and amenities at the Cedar Lane Regional Sports Complex. Additional improvements including field lighting, a playground, 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 19: Construction of an onsite storage building
 FY 20: Construction of a playground at the park

PROJECT STATUS:

Construction of the storage building is complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	32,500		32,500						32,500
Land Acquisition			0						0
Construction	2,241,000	100,000	2,341,000	100,000	100,000	100,000	100,000	100,000	2,841,000
Inspection Fees	87,500		87,500						87,500
Equipment/Furnishing			0						0
Total Cost	2,361,000	100,000	2,461,000	100,000	100,000	100,000	100,000	100,000	2,961,000

FUNDING SCHEDULE

R6999 Other	1,100,000	100,000	1,200,000	100,000	100,000	100,000	100,000	100,000	1,700,000
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	350,000		350,000						350,000
			0						0
Total Funds	2,361,000	100,000	2,461,000	100,000	100,000	100,000	100,000	100,000	2,961,000

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 2/1/19:

Expended 1,133,334
 Encumbered 24,700
Total \$1,158,034

PROJECT: Darlington Park Development

PARKS AND RECREATION

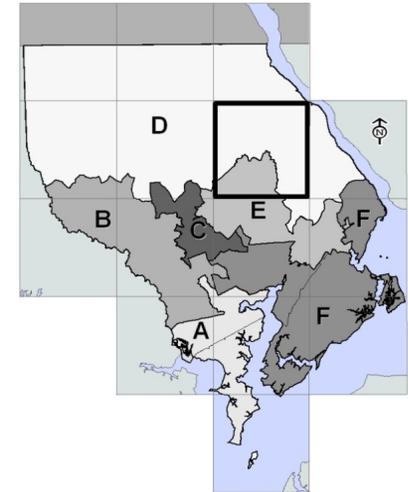
COUNCIL DISTRICT: D

LOCATION: Darlington

P094124

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes the construction of a gazebo/pavilion at Darlington Park, a neighborhood park at the gateway to Darlington. 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:

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	125,000	15,000	140,000					25,000	165,000
Land Acquisition			0						0
Construction	1,730,000	70,000	1,800,000						1,800,000
Inspection Fees	40,000	5,000	45,000						45,000
Equipment/Furnishing			0						0
Total Cost	1,895,000	90,000	1,985,000	0	0	0	0	25,000	2,010,000

FUNDING SCHEDULE

R1515 Recordation Tax	1,050,000	20,000	1,070,000					25,000	1,095,000
R8770 Reappropriated	125,000		125,000						125,000
R3380 Program Open Space	400,000	70,000	470,000						470,000
R8092 Reappropriated Recordation Tax	320,000		320,000						320,000
			0						0
			0						0
Total Funds	1,895,000	90,000	1,985,000	0	0	0	0	25,000	2,010,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 1,484,042
 Encumbered 732
Total \$1,484,774

PROJECT: Edgeley Grove Farm

PARKS AND RECREATION

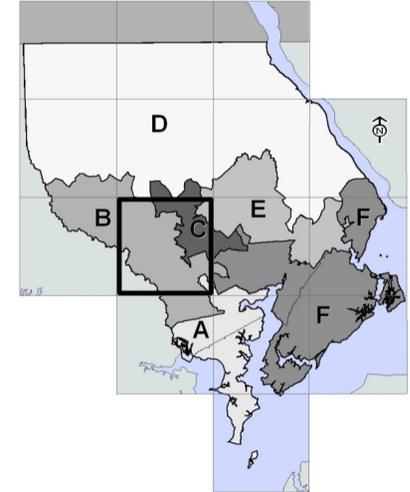
COUNCIL DISTRICT: B

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 20 - Repairs and renovations to the barn storage building

PROJECT STATUS:

Repairs of the farmhouse are complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		5,000	5,000					50,000	55,000
Land Acquisition			0						0
Construction	40,000	90,000	130,000						130,000
Inspection Fees		5,000	5,000						5,000
Equipment/Furnishing			0						0
Total Cost	40,000	100,000	140,000	0	0	0	0	50,000	190,000

FUNDING SCHEDULE

R1515 Recordation Tax	40,000	100,000	140,000					50,000	190,000
R3140 Federal MAP-21			0						0
R3380 Program Open Space			0						0
R6330 Developer			0						0
R6999 Other			0						0
R8770 Reappropriated			0						0
Total Funds	40,000	100,000	140,000	0	0	0	0	50,000	190,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 7,850
 Encumbered
 Total \$7,850

PROJECT: Edgewood Recreation and Community Center

PARKS AND RECREATION

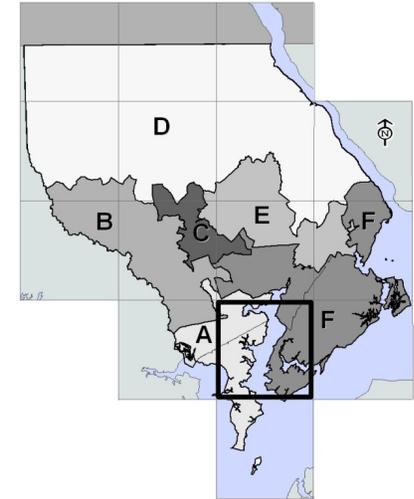
COUNCIL DISTRICT: A

LOCATION: Edgewood

P134107

PROJECT DESCRIPTION / JUSTIFICATION:

This project includes renovations to some of the existing building systems at the Edgewood Recreation and Community Center. FY 20 and FY 21 funds will be used for engineering and replacement of the existing HVAC system. 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 20 - Engineering for the HVAC system replacement
 FY 21 - Construction for the HVAC system replacement

PROJECT STATUS:

This phase of the project is not yet funded.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		25,000	25,000						25,000
Land Acquisition			0						0
Construction	95,000	100,000	195,000	300,000					495,000
Inspection Fees	5,000	0	5,000						5,000
Equipment/Furnishing			0						0
Total Cost	100,000	125,000	225,000	300,000	0	0	0	0	525,000

FUNDING SCHEDULE

R1515 Recordation Tax	100,000	125,000	225,000	100,000					325,000
R3380 Program Open Space				200,000					200,000
			0						0
			0						0
			0						0
			0						0
Total Funds	100,000	125,000	225,000	300,000	0	0	0	0	525,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

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

PROJECT: Emmorton Recreation and Tennis Center Improvements

PARKS AND RECREATION

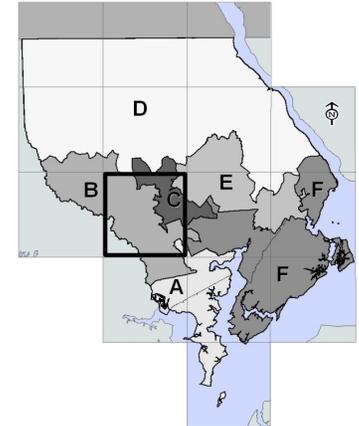
COUNCIL DISTRICT: C

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 19 - Installation of air-conditioning in the gymnasium and batting cage area of the Activity Center.
 FY 20 - Roof replacement and other building renovations

PROJECT STATUS:

Installation of the new HVAC in the gymnasium and batting cage is underway

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		25,000	25,000						25,000
Land Acquisition			0						0
Construction	1,464,000	210,000	1,674,000						1,674,000
Inspection Fees	21,000	15,000	36,000						36,000
Equipment/Furnishing			0						0
Total Cost	1,485,000	250,000	1,735,000	0	0	0	0	0	1,735,000

FUNDING SCHEDULE

R6330 Developer	139,500		139,500						139,500
R6999 Other	230,500		230,500						230,500
R1515 Recordation Tax	790,000	50,000	840,000						840,000
R3380 Program Open Space	200,000		200,000						200,000
R8092 Reappropriated Recordation Tax	125,000	150,000	275,000						275,000
R7000 Future Bonds			0						0
R8750 Paygo - P&R Special Rev		50,000	50,000						50,000
Total Funds	1,485,000	250,000	1,735,000	0	0	0	0	0	1,735,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	470,503
Encumbered	2,830
Total	\$473,333

PROJECT: Equestrian Center Improvements

PARKS AND RECREATION

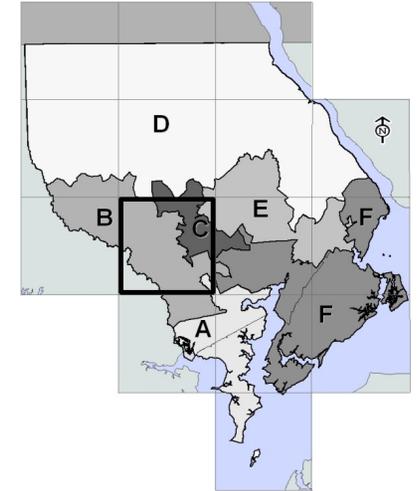
COUNCIL DISTRICT: B

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 under consideration include additional onsite parking. 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: Additional electrical improvements
 FY 20: Additional site improvements

PROJECT STATUS:

Electrical improvements to the riding rings and some pavilions are complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	361,000	100,000	461,000	75,000			100,000		636,000
Inspection Fees	14,000		14,000	25,000					39,000
Equipment/Furnishing			0						0
Total Cost	375,000	100,000	475,000	100,000	0	0	100,000	0	675,000

FUNDING SCHEDULE

R8092 Reappropriated Recordation Tax	150,000		150,000						150,000
R6999 Other	25,000	100,000	125,000						125,000
R8750 Paygo	150,000		150,000						150,000
R1515 Recordation Tax	50,000		50,000	100,000			100,000		250,000
			0						0
			0						0
Total Funds	375,000	100,000	475,000	100,000	0	0	100,000	0	675,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	287,678
Encumbered	0
Total	\$287,678

PROJECT: Facility Renovations

PARKS AND RECREATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

P184114

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 19: Construction - window replacement at P&R headquarter building
 FY 20: Construction



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	365,000	50,000	415,000	95,000	95,000	95,000	95,000	95,000	890,000
Inspection Fees	10,000		10,000	5,000	5,000	5,000	5,000	5,000	35,000
Equipment/Furnishing			0						0
Total Cost	375,000	50,000	425,000	100,000	100,000	100,000	100,000	100,000	925,000

FUNDING SCHEDULE

R1515 Recordation Tax	275,000	50,000	325,000	100,000	100,000	100,000	100,000	100,000	825,000
R6999 Other	100,000		100,000						100,000
			0						0
			0						0
			0						0
Total Funds	375,000	50,000	425,000	100,000	100,000	100,000	100,000	100,000	925,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	20,000
Encumbered	31,587
Total	\$51,587

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 20 - Assessment of the Norrisville Activity Center Gymnasium

PROJECT STATUS:

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	135,000	50,000	185,000	50,000		50,000		50,000	335,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	135,000	50,000	185,000	50,000	0	50,000	0	50,000	335,000

FUNDING SCHEDULE

R1515 Recordation Tax	90,000	25,000	115,000	25,000		25,000		25,000	190,000
R6999 Other	45,000	25,000	70,000	25,000		25,000		25,000	145,000
			0						0
			0						0
			0						0
			0						0
Total Funds	135,000	50,000	185,000	50,000	0	50,000	0	50,000	335,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 39,991

Encumbered

Total \$39,991

PROJECT: Mariner Point Park - DMP Site Remediation

PARKS AND RECREATION

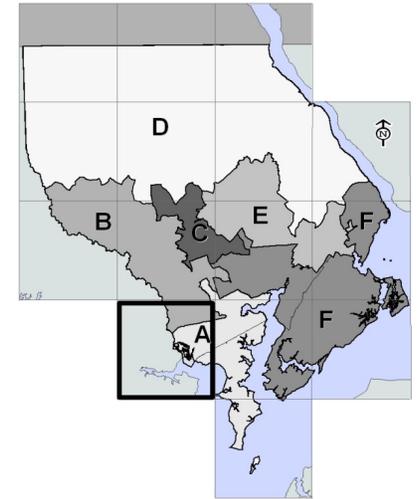
COUNCIL DISTRICT: A

LOCATION: Joppatowne

P204130

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes the remediation of the dredged material placement site at Mariner Point Park to support future dredging projects on Joppatowne waterways. With the completion of the dredging projects on Foster Branch and Taylor's Creek, the DMP site at Mariner Point Park has reached its capacity. The necessity of continued maintenance dredging projects in the future requires the current site be emptied to create capacity. The majority of the funding for this project will come from the Waterway Improvement Fund administered by the Department of Natural Resources. 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 - Engineering
 FY 22 - Construction

PROJECT STATUS:

This project is not yet funded.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		100,000	100,000						100,000
Land Acquisition			0						0
Construction			0		1,000,000				1,000,000
Inspection Fees			0		15,000				15,000
Equipment/Furnishing			0						0
Total Cost	0	100,000	100,000	0	1,015,000	0	0	0	1,115,000

FUNDING SCHEDULE

R1515 Recordation Tax			0		15,000				15,000
R3399 State Other		100,000	100,000		1,000,000				1,100,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	100,000	100,000	0	1,015,000	0	0	0	1,115,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended
 Encumbered
 Total
 \$0

PROJECT: Norrisville Park

PARKS AND RECREATION

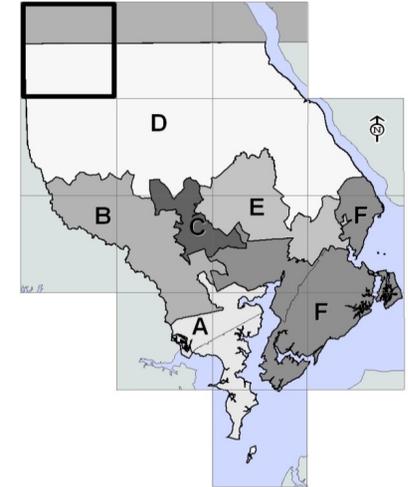
COUNCIL DISTRICT: D

LOCATION: Norrisville

P204117

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 coordinated with Highways construction of Salt Dome
 FY 22: Construction

PROJECT STATUS:

This project is not yet funded

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		125,000	125,000						125,000
Land Acquisition			0						0
Construction			0	1,000,000				142,000	1,142,000
Inspection Fees			0	50,000				8,000	58,000
Equipment/Furnishing			0						0
Total Cost	0	125,000	125,000	1,050,000	0	0	0	150,000	1,325,000

FUNDING SCHEDULE

R1515 Recordation Tax			0	600,000				150,000	750,000
R3380 Program Open Space			0	450,000					450,000
R8027 Reappropriated Recordation Tax		125,000	125,000						125,000
			0						0
			0						0
			0						0
Total Funds	0	125,000	125,000	1,050,000	0	0	0	150,000	1,325,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended	0
Encumbered	0
Total	\$0

PROJECT: Otter Point Creek Boat Launch

PARKS AND RECREATION

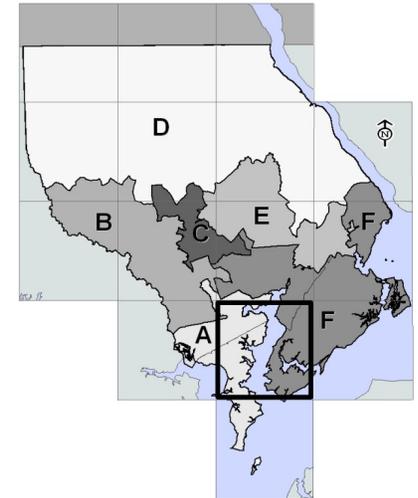
COUNCIL DISTRICT: A

LOCATION: Abingdon

P204118

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes renovations and ADA improvements to the Otter Point Creek public boat launch. The Otter Point Creek Boat launch was constructed in 2003 and the site is in need of improvements and repairs. This project proposes replacing an existing finger pier with a floating pier, remove and replace the concrete launch ramp, and mill and replace the existing parking lot to meet current ADA standards. Funding has been requested from the State of Maryland and the US Fish & Wildlife Service. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan.



PROJECT SCHEDULE:

FY 20 - Engineering
 FY 20-FY 21 - Construction

PROJECT STATUS:

This project is not yet funded

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		530,000	530,000						530,000
Inspection Fees		30,000	30,000						30,000
Equipment/Furnishing			0						0
Total Cost	0	560,000	560,000	0	0	0	0	0	560,000

FUNDING SCHEDULE

R1515 Recordation Tax		30,000	30,000						30,000
R8770 Reappropriated Recordation		200,000	200,000						200,000
R3399 State Other		165,000	165,000						165,000
R3199 Federal Other		165,000	165,000						165,000
			0						0
			0						0
Total Funds	0	560,000	560,000	0	0	0	0	0	560,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended
 Encumbered
 Total \$0

PROJECT: 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 20: Construction

PROJECT STATUS:

Work was completed at the Havre de Grace Activity Center

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	10,000		10,000						10,000
Land Acquisition			0						0
Construction	844,000	50,000	894,000	50,000		140,000	140,000		1,224,000
Inspection Fees	50,000		50,000	5,000		10,000	10,000		75,000
Equipment/Furnishing			0						0
Total Cost	904,000	50,000	954,000	55,000	0	150,000	150,000	0	1,309,000

FUNDING SCHEDULE

R1515 Recordation Tax	804,000	50,000	854,000	55,000		150,000	150,000		1,209,000
R8027 Reappropriated Recordation Tax	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
Total Funds	904,000	50,000	954,000	55,000	0	150,000	150,000	0	1,309,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	679,607
Encumbered	0
Total	\$679,607

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 20 - Property acquisition



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	25,000	25,000	50,000	25,000	25,000	25,000	25,000	25,000	175,000
Land Acquisition	9,351,000	1,755,000	11,106,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	16,106,000
Construction			0						0
Inspection Fees	80,000		80,000						80,000
Equipment/Furnishing			0						0
Total Cost	9,456,000	1,780,000	11,236,000	1,025,000	1,025,000	1,025,000	1,025,000	1,025,000	16,361,000

FUNDING SCHEDULE

R1515 Recordation Tax	590,000		590,000	75,000	75,000	75,000	75,000	75,000	965,000
R3380 Program Open Space	8,641,000	1,780,000	10,421,000	950,000	950,000	950,000	950,000	950,000	15,171,000
R8092 Reappropriated Recordation Tax	225,000		225,000						225,000
			0						0
			0						0
			0						0
Total Funds	9,456,000	1,780,000	11,236,000	1,025,000	1,025,000	1,025,000	1,025,000	1,025,000	16,361,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	2,270,349
Encumbered	0
Total	\$2,270,349

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 20 - FY 25: Installation

PROJECT STATUS:

Replacement of equipment Fox Meadows Park, William Longley Park, and Churchville Recreation Center is complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	10,000	25,000	35,000	7,500	7,500	7,500	7,500	7,500	72,500
Land Acquisition			0						0
Construction	2,265,000	275,000	2,540,000	212,500	212,500	162,500	162,500	225,000	3,515,000
Inspection Fees	5,000	25,000	30,000	5,000	5,000	5,000	5,000	7,500	57,500
Equipment/Furnishing			0						0
Total Cost	2,280,000	325,000	2,605,000	225,000	225,000	175,000	175,000	240,000	3,645,000

FUNDING SCHEDULE

R1515 Recordation Tax	1,216,000	100,000	1,316,000	150,000	150,000	150,000	150,000	150,000	2,066,000
R6330 Developer	490,000	25,000	515,000	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	200,000	559,000					90,000	649,000
R8092 Reappropriated Recordation Tax	100,000		100,000						100,000
			0						0
Total Funds	2,280,000	325,000	2,605,000	225,000	225,000	175,000	175,000	240,000	3,645,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 961,199
 Encumbered 242,485
 Total \$1,203,684

PROJECT: Rock Glenn Park

PARKS AND RECREATION

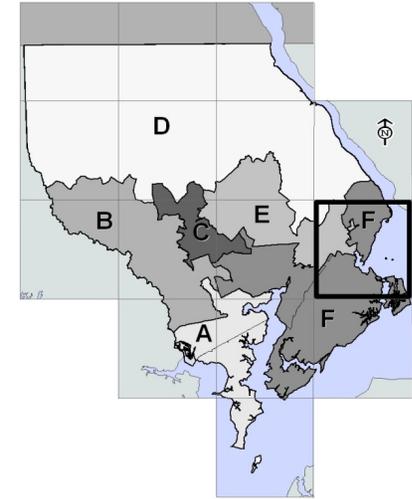
COUNCIL DISTRICT: E

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction		1,160,000	1,160,000						1,160,000
Inspection Fees		40,000	40,000						40,000
Equipment/Furnishing			0						0
Total Cost	100,000	1,200,000	1,300,000	0	0	0	0	0	1,300,000

FUNDING SCHEDULE

R1515 Recordation Tax	100,000	800,000	900,000						900,000
R6999 Other		400,000	400,000						400,000
			0						0
			0						0
			0						0
Total Funds	100,000	1,200,000	1,300,000	0	0	0	0	0	1,300,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 23,500
 Encumbered 72,450
Total \$95,950

PROJECT: Swan Harbor Farm Improvements

PARKS AND RECREATION

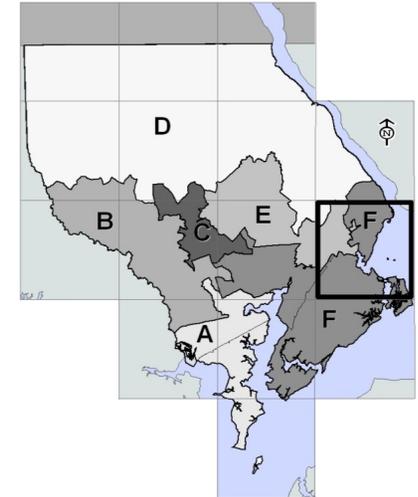
COUNCIL DISTRICT: F

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 20 - Renovations and improvements to the farm house and event areas

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	539,000	50,000	589,000						589,000
Inspection Fees	20,000		20,000						20,000
Equipment/Furnishing	80,000		80,000						80,000
Total Cost	639,000	50,000	689,000	0	0	0	0	0	689,000

FUNDING SCHEDULE

R8750 Paygo - Parks & Rec Fund	530,000	50,000	580,000						580,000
R7000 Future Bonds			0						0
R1515 Recordation Tax	10,000		10,000						10,000
R3399 State Other	99,000		99,000						99,000
			0						0
Total Funds	639,000	50,000	689,000	0	0	0	0	0	689,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 440,657
 Encumbered 0
 Total \$440,657

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:

Work on one of the original stormwater ponds at the Fallston Rec Complex is complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	450,000	260,000	710,000	120,000		120,000			950,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	450,000	260,000	710,000	120,000	0	120,000	0	0	950,000

FUNDING SCHEDULE

R1515 Recordation Tax	450,000	100,000	550,000	120,000		120,000			790,000
R8027 Reappropriated Recordation Tax		160,000	160,000						160,000
			0						0
			0						0
			0						0
Total Funds	450,000	260,000	710,000	120,000	0	120,000	0	0	950,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	200,102
Encumbered	249,896
Total	\$449,998

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 20: Construction

PROJECT STATUS:

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	940,000	350,000	1,290,000	100,000	100,000	100,000	150,000		1,740,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	940,000	350,000	1,290,000	100,000	100,000	100,000	150,000	0	1,740,000

FUNDING SCHEDULE

R1515 Recordation Tax	740,255	200,000	940,255	100,000	100,000	100,000	150,000		1,390,255
R8092 Reappropriated Recordation Tax	199,745		199,745						199,745
R3380 Program Open Space		150,000	150,000						150,000
			0						0
			0						0
			0						0
Total Funds	940,000	350,000	1,290,000	100,000	100,000	100,000	150,000	0	1,740,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	799,640
Encumbered	90,451
Total	\$890,091

PROJECT: Tollgate Woodshop

PARKS AND RECREATION

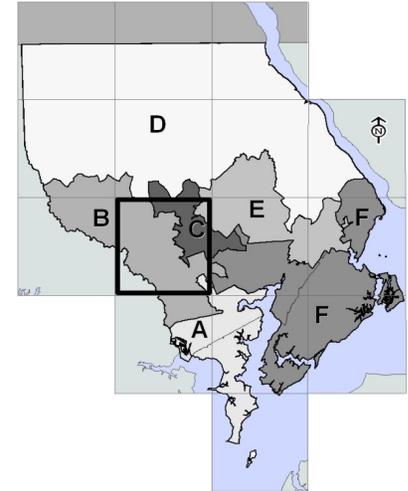
COUNCIL DISTRICT: C

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:

FY 20 - Equipment replacement as needed

PROJECT STATUS:

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	5,000		5,000						5,000
Inspection Fees			0						0
Equipment/Furnishing	20,000	15,000	35,000						35,000
Total Cost	25,000	15,000	40,000	0	0	0	0	0	40,000

FUNDING SCHEDULE

R8092 Reappropriated Recordation Tax	15,000		15,000						15,000
R6999 Other	10,000	15,000	25,000						25,000
R1515 Recordation Tax			0						0
			0						0
			0						0
Total Funds	25,000	15,000	40,000	0	0	0	0	0	40,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	2,869
Encumbered	
Total	\$2,869

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. Construction will occur as funds are available. Future projects are under consideration as funding allows. This project supports the goals and objectives of the 2018 Land Preservation, Parks and Recreation Plan and its Capital Improvement Program Recommendations. Prior Bonds reallocated from Emergency Operations Center capital project.

PROJECT SCHEDULE:

FY 18: Engineering for Ma & Pa trail connection from Williams Street to Blake's Venture Park
 FY 19- FY 21: Construction of the Ma & Pa trail connection from Williams Street to Blake's Venture Park

PROJECT STATUS:

Engineering for segment 3 of the Ma & Pa connecting trail is underway
 Construction of segments 1 and 2 of the Ma & Pa connecting section of the trail is underway



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	245,000		245,000						245,000
Land Acquisition	55,000		55,000						55,000
Construction	8,950,000	5,750,000	14,700,000						14,700,000
Inspection Fees	350,000	250,000	600,000						600,000
Equipment/Furnishing			0						0
Total Cost	9,600,000	6,000,000	15,600,000	0	0	0	0	0	15,600,000

FUNDING SCHEDULE

	Prior Appropriation	FY 2020 Budget	Appropriation Total	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL PROJECT COST
R1515 Recordation Tax	325,000	1,000,000	1,325,000						1,325,000
R8750 Paygo	75,000		75,000						75,000
R3140 Federal TAP	5,000,000	2,000,000	7,000,000						7,000,000
R6999 Other	2,250,000		2,250,000						2,250,000
R8750 Paygo - Hotel Tax Revenue	1,750,000		1,750,000						1,750,000
R7100 Prior Bonds		2,500,000	2,500,000						2,500,000
R3380 Program Open Space	200,000	500,000	700,000						700,000
Total Funds	9,600,000	6,000,000	15,600,000	0	0	0	0	0	15,600,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 632,977
 Encumbered 410,819
Total \$1,043,796

OUTYEAR PROJECTS

FY 20 - FY 24

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 to improve older facilities. 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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0					25,000	25,000
Land Acquisition			0						0
Construction	370,000		370,000	75,000		75,000		75,000	595,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	370,000	0	370,000	75,000	0	75,000	0	100,000	620,000

FUNDING SCHEDULE

R1515 Recordation Tax	300,000		300,000	50,000		50,000		75,000	475,000
R6999 Other	70,000		70,000	25,000		25,000		25,000	145,000
			0						0
			0						0
			0						0
			0						0
Total Funds	370,000	0	370,000	75,000	0	75,000	0	100,000	620,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	167,956
Encumbered	3,070
Total	\$171,026

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 21: Renovation of backstops.

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	270,000		270,000	50,000		50,000		50,000	420,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	270,000	0	270,000	50,000	0	50,000	0	50,000	420,000

FUNDING SCHEDULE

R1515 Recordation Tax	155,000		155,000	30,000		30,000		30,000	245,000
R6999 Other	115,000		115,000	20,000		20,000		20,000	175,000
			0						0
			0						0
			0						0
Total Funds	270,000	0	270,000	50,000	0	50,000	0	50,000	420,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	16,607
Encumbered	7,334
Total	\$23,941

PROJECT: Benson Field Development

PARKS AND RECREATION

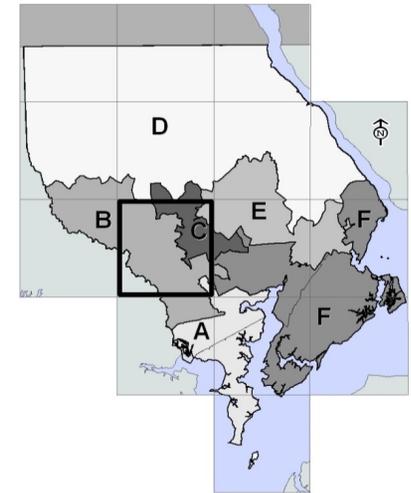
COUNCIL DISTRICT: B

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	0	0	0	100,000	0	0	0	1,000,000	1,100,000

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
Total Funds	0	0	0	100,000	0	0	0	1,000,000	1,100,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended	0
Encumbered	0
Total	\$0

PROJECT: Blake's Venture Park

PARKS AND RECREATION

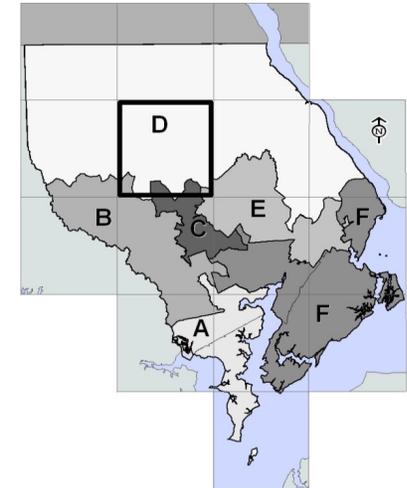
COUNCIL DISTRICT: D

LOCATION: Forest Hill

New

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes the development of Phase II of Blake's Venture Park in Forest Hill. The initial phase of development included the trailhead for Phase II of the Ma and Pa Heritage Trail, two soccer fields, and associated parking. The second phase will include active recreation facilities to serve the needs of the Forest Hill Recreation Council. This project supports the goals and objectives of the 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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	0		0	100,000	0	1,000,000	0	0	1,100,000

FUNDING SCHEDULE

R1515 Recordation Tax				100,000		500,000			600,000
R3380 Program Open Space			0			500,000			500,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	100,000	0	1,000,000	0	0	1,100,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Bleacher Renovations

PARKS AND RECREATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

P094123

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes the replacement of existing bleachers which do not meet current safety standards. 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 21 - FY 25: Purchase and installation of bleacher units



PROJECT STATUS:

New bleacher units are purchased on an as needed basis.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	490,000		490,000	80,000		80,000		80,000	730,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	490,000	0	490,000	80,000	0	80,000	0	80,000	730,000

FUNDING SCHEDULE

R1515 Recordation Tax	260,000		260,000	40,000		40,000		40,000	380,000
R6999 Other	230,000		230,000	40,000		40,000		40,000	350,000
			0						0
			0						0
			0						0
			0						0
Total Funds	490,000	0	490,000	80,000	0	80,000	0	80,000	730,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	155,697
Encumbered	0
Total	\$155,697

PROJECT: Bulkhead Renovations

PARKS AND RECREATION

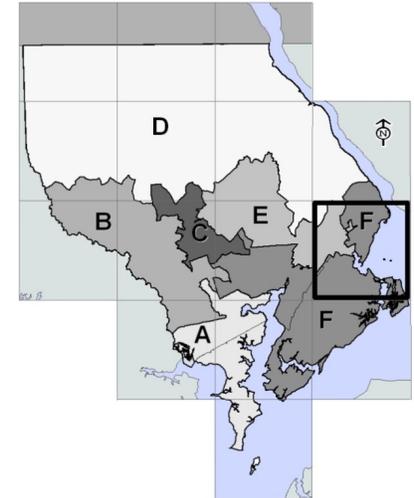
COUNCIL DISTRICT: F

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 22: Design and Engineering
 FY 24: Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	0	0	0	0	40,000	535,000	0	75,000	650,000

FUNDING SCHEDULE

R3399 State Other					40,000	515,000		70,000	625,000
R1515 Recordation Tax			0			20,000		5,000	25,000
			0						0
			0						0
			0						0
Total Funds	0	0	0	0	40,000	535,000	0	75,000	650,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Canoe and Kayak Water Access

PARKS AND RECREATION

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

P164113

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes construction of canoe and kayak launches along various waterways throughout the County. The first site, 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:

The Deer Creek water trail feasibility study is underway

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	200,000		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
Total Cost	880,000	0	880,000	200,000	0	0	325,000	0	1,405,000

FUNDING SCHEDULE

R6999 Other	200,000		200,000	100,000			100,000		400,000
R1515 Recordation Tax	380,000		380,000	100,000			225,000		705,000
R3399 State Other	200,000		200,000						200,000
R8092 Reappropriated Recordation Tax	100,000		100,000						100,000
			0						0
			0						0
Total Funds	880,000	0	880,000	200,000	0	0	325,000	0	1,405,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	421,966
Encumbered	39,265
Total	\$461,231

PROJECT: Churchville Center Renovations

PARKS AND RECREATION

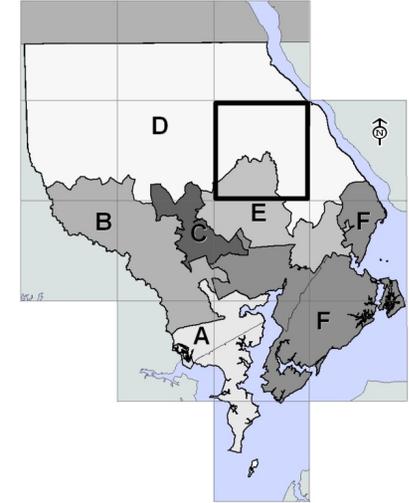
COUNCIL DISTRICT: E

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 21: Engineering for future building renovations.

PROJECT STATUS:

Renovations to the existing HVAC are complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	100,000					100,000
Land Acquisition			0						0
Construction	570,000		570,000			475,000			1,045,000
Inspection Fees	5,000		5,000			25,000			30,000
Equipment/Furnishing			0						0
Total Cost	575,000	0	575,000	100,000	0	500,000	0	0	1,175,000

FUNDING SCHEDULE

R1515 Recordation Tax	175,000		175,000	100,000					275,000
R6999 Other	200,000		200,000						200,000
R8089 Reappropriated Paygo	200,000		200,000						200,000
R7000 Future Bonds			0			500,000			500,000
			0						0
			0						0
Total Funds	575,000	0	575,000	100,000	0	500,000	0	0	1,175,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 312,936
 Encumbered 27,581
Total \$340,517

PROJECT: Disc Golf Course

PARKS AND RECREATION

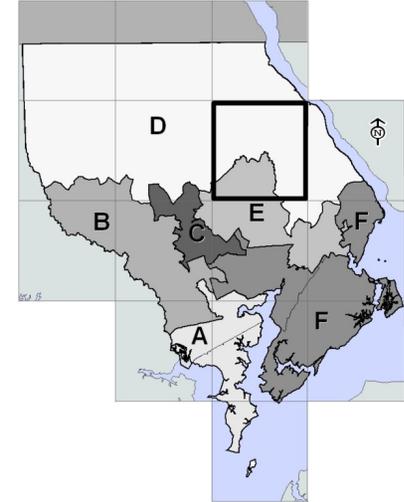
COUNCIL DISTRICT: E

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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	50,000	0	50,000	50,000	0	0	0	0	100,000

FUNDING SCHEDULE

R1515 Recordation Tax	50,000		50,000	50,000					100,000
									0
			0						0
			0						0
			0						0
			0						0
Total Funds	50,000	0	50,000	50,000	0	0	0	0	100,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	46,791
Encumbered	386
Total	\$47,177

PROJECT: Eden Mill Park Rehabilitation

PARKS AND RECREATION

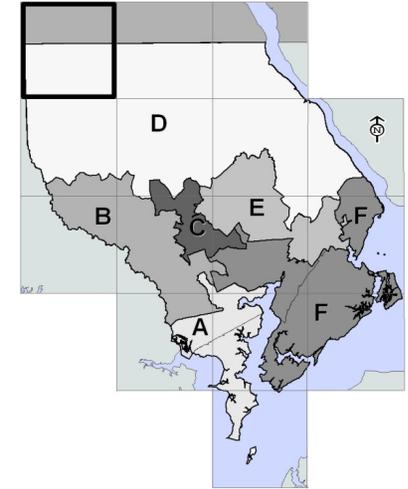
COUNCIL DISTRICT: D

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	50,000		50,000						50,000
Land Acquisition			0						0
Construction	1,055,000		1,055,000	50,000			100,000		1,205,000
Inspection Fees	50,000		50,000						50,000
Equipment/Furnishing			0						0
Total Cost	1,155,000	0	1,155,000	50,000	0	0	100,000	0	1,305,000

FUNDING SCHEDULE

R6999 Other	250,000		250,000	50,000					300,000
R8092 Reappropriated Recordation Tax	600,000		600,000						600,000
R1515 Recordation Tax	305,000		305,000				100,000		405,000
			0						0
			0						0
			0						0
Total Funds	1,155,000	0	1,155,000	50,000	0	0	100,000	0	1,305,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 700,435
 Encumbered 258
Total \$700,693

PROJECT: Edgewood Recreation Park

PARKS AND RECREATION

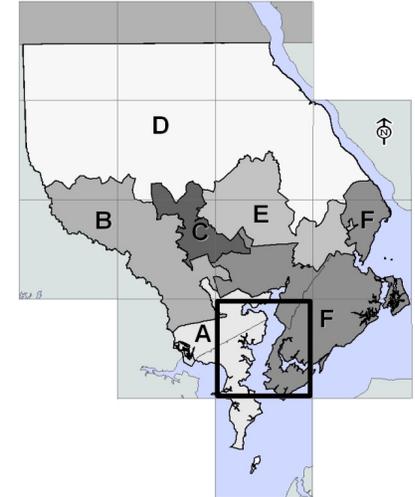
COUNCIL DISTRICT: A

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	50,000	0	50,000	0	0	100,000	500,000	0	650,000

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
Total Funds	50,000	0	50,000	0	0	100,000	500,000	0	650,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: Emily Bayliss Graham Park

PARKS AND RECREATION

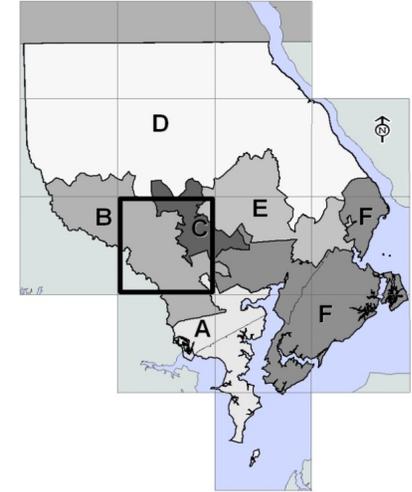
COUNCIL DISTRICT: B

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:

Construction of the initial phase of the passive park is underway.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	495,000		495,000						495,000
Land Acquisition			0						0
Construction	2,020,000		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
Total Cost	2,575,000	0	2,575,000	525,000	500,000	0	250,000	0	3,850,000

FUNDING SCHEDULE

R6999 Other	1,175,000		1,175,000	525,000	250,000				1,950,000
R8092 Reappropriated Recordation Tax	250,000		250,000						250,000
R8750 Paygo	150,000		150,000						150,000
R1515 Recordation Tax	400,000		400,000		250,000		250,000		900,000
R3380 Program Open Space	600,000		600,000						600,000
			0						0
Total Funds	2,575,000	0	2,575,000	525,000	500,000	0	250,000	0	3,850,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 236,554
 Encumbered 66,229
Total \$302,783

PROJECT: Heavenly Waters Park - Soma

PARKS AND RECREATION

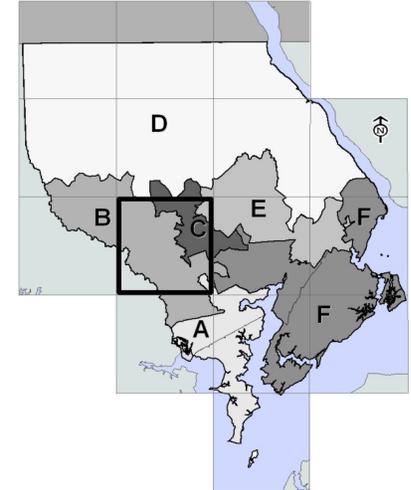
COUNCIL DISTRICT: B

LOCATION: Benson

P164116

PROJECT DESCRIPTION / JUSTIFICATION:

This project proposes the long term development of the Soma area of Heavenly Waters Park. FY 16 funding was 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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0		100,000				100,000
Land Acquisition			0						0
Construction	95,000		95,000					500,000	595,000
Inspection Fees	5,000		5,000					25,000	30,000
Equipment/Furnishing			0						0
Total Cost	100,000	0	100,000	0	100,000	0	0	525,000	725,000

FUNDING SCHEDULE

R8750 Paygo	100,000		100,000						100,000
R1515 Recordation Tax			0		100,000			300,000	400,000
R3380 Program Open Space			0					225,000	225,000
			0						0
			0						0
			0						0
Total Funds	100,000	0	100,000	0	100,000	0	0	525,000	725,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 99,790
 Encumbered 210
Total \$100,000

PROJECT: Jarrettsville Recreation Center

PARKS AND RECREATION

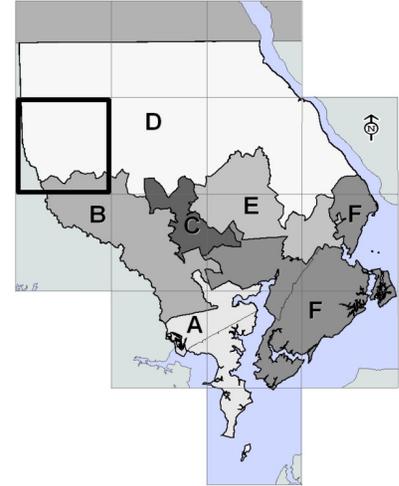
COUNCIL DISTRICT: D

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 22: Engineering/design

PROJECT STATUS:

Site development ongoing.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	510,775	0	510,775	0	0	6,500,000	200,000	0	7,210,775

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
Total Funds	510,775	0	510,775	0	0	6,500,000	200,000	0	7,210,775

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	16,758
Encumbered	46,795
Total	\$63,553

PROJECT: Joppa/Joppatowne Youth/Senior Center

PARKS AND RECREATION

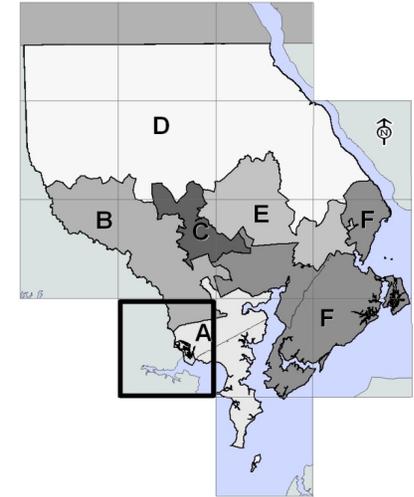
COUNCIL DISTRICT: A

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:

This project is not yet funded

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	0	0	0	0	0	500,000	6,500,000	0	7,000,000

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
Total Funds	0	0	0	0	0	500,000	6,500,000	0	7,000,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
Encumbered
Total \$0

PROJECT: Magnolia Complex Development

PARKS AND RECREATION

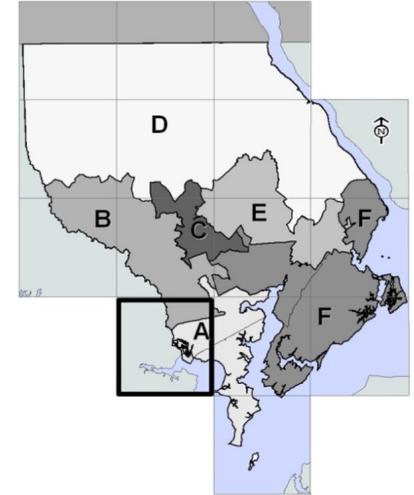
COUNCIL DISTRICT: A

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:

FY21: Engineering for restroom
 FY22: Restroom construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	80,000		80,000	25,000					105,000
Land Acquisition			0						0
Construction	1,917,000		2,317,000	375,000					2,317,000
Inspection Fees	58,000		83,000	25,000					83,000
Equipment/Furnishing			0						0
Total Cost	2,055,000	0	2,480,000	425,000	0	0	0	0	2,480,000

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
Total Funds	2,055,000	0	2,055,000	425,000	0	0	0	0	2,480,000

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 2/1/19:

Expended	1,585,766
Encumbered	0
Total	\$1,585,766

PROJECT: Mariner Point Park Renovations

PARKS AND RECREATION

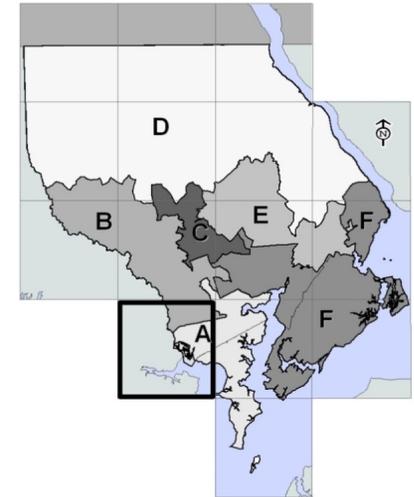
COUNCIL DISTRICT: A

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 of a canoe/kayak launch at the park

PROJECT STATUS:

Engineering for the canoe/kayak launch is complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	7,000					7,000
Land Acquisition			0						0
Construction	590,000		590,000	43,000					633,000
Inspection Fees	46,000		46,000						46,000
Equipment/Furnishing			0						0
Total Cost	636,000	0	636,000	50,000	0	0	0	0	686,000

FUNDING SCHEDULE

R1515 Recordation Tax	212,000		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
Total Funds	636,000	0	636,000	50,000	0	0	0	0	686,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	118,801
Encumbered	30,925
Total	\$149,726

PROJECT: Northern Regional Park

PARKS AND RECREATION

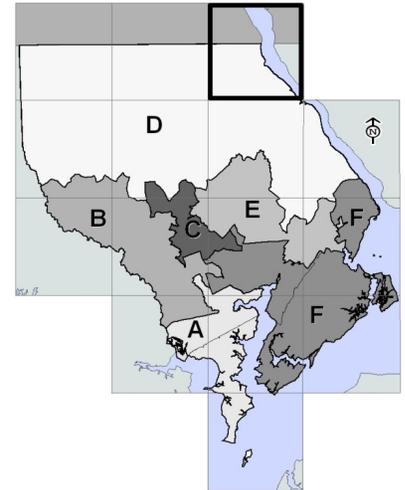
COUNCIL DISTRICT: D

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0		250,000			500,000	750,000
Land Acquisition	575,000		575,000						575,000
Construction							1,500,000	500,000	2,000,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	575,000	0	575,000	0	250,000	0	1,500,000	1,000,000	3,325,000

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					1,000,000	1,000,000
R1515 Recordation Tax			0		250,000		500,000		750,000
			0						0
			0						0
Total Funds	575,000	0	575,000	0	250,000	0	1,500,000	1,000,000	3,325,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	458,454
Encumbered	0
Total	\$458,454

PROJECT: Oakington Peninsula Heritage Trail

PARKS AND RECREATION

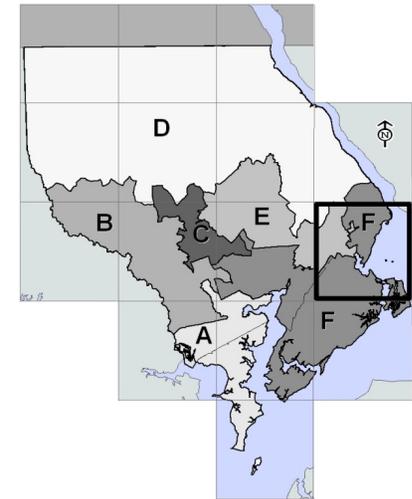
COUNCIL DISTRICT: F

LOCATION: Havre de Grace

New

PROJECT DESCRIPTION / JUSTIFICATION:

This project engineering and construction for a trail system on the Department properties on the Oakington Peninsula with the City of Havre de Grace. These properties include Swan Harbor Farms and Elanor and Millard Tydings Park. 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 21: Walking trail feasibility study

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	100,000		100,000			200,000
Land Acquisition			0						0
Construction			0					200,000	200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	0	0	100,000	0	100,000	0	200,000	400,000

FUNDING SCHEDULE

R8027 Reappropriated Recordation Tax			0						0
R3399 State Other			0	50,000					50,000
R1515 Recordation Tax			0	50,000		100,000		100,000	250,000
R3380 Program Open Space			0					100,000	100,000
			0						0
			0						0
Total Funds	0	0	0	100,000	0	100,000	0	200,000	400,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

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 2020 - FY 2025 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 20 - FY 25: Construction



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	130,000		130,000	50,000	50,000	50,000	50,000	50,000	380,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	130,000	0	130,000	50,000	50,000	50,000	50,000	50,000	380,000

FUNDING SCHEDULE

R1515 Recordation Tax	100,000		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
Total Funds	130,000	0	130,000	50,000	50,000	50,000	50,000	50,000	380,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	
Encumbered	0
Total	\$0

PROJECT: Perryman Park Development

PARKS AND RECREATION

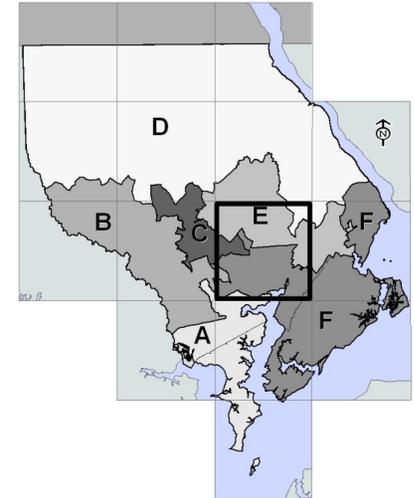
COUNCIL DISTRICT: F

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	125,000					125,000
Land Acquisition			0						0
Construction			0		475,000	475,000			950,000
Inspection Fees			0		25,000	25,000			50,000
Equipment/Furnishing			0						0
Total Cost	0	0	0	125,000	500,000	500,000	0	0	1,125,000

FUNDING SCHEDULE

R1515 Recordation Tax			0	125,000	300,000	300,000			725,000
R3380 Program Open Space			0		200,000	200,000			400,000
			0						0
			0						0
			0						0
Total Funds	0	0	0	125,000	500,000	500,000	0	0	1,125,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Prospect Mill Park

PARKS AND RECREATION

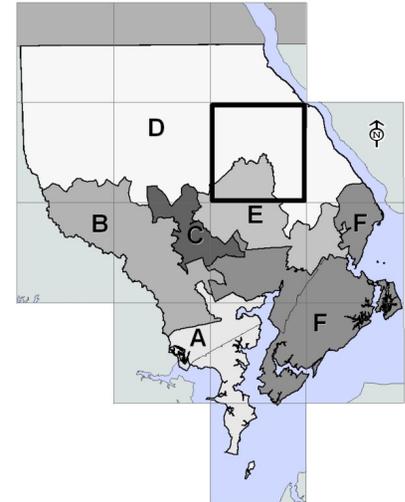
COUNCIL DISTRICT: E

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 21. 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 21: Installation of pavilion

FY 22: Installation of a storage building and playground

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	0	0	0	100,000	500,000	0	0	0	600,000

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
Total Funds	0	0	0	100,000	500,000	0	0	0	600,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	
Encumbered	0
Total	\$0

PROJECT: Red Pump Road Elementary School Facilities

PARKS AND RECREATION

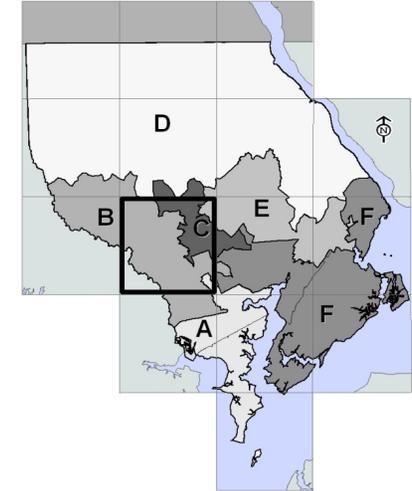
COUNCIL DISTRICT: C

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	0	0	0	50,000	125,000	0	0	0	175,000

FUNDING SCHEDULE

R1515 Recordation Tax			0	50,000	125,000				175,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	50,000	125,000	0	0	0	175,000

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 2/1/19:

Expended	
Encumbered	0
Total	\$0

PROJECT: Robert Copenhaver Park Improvements

PARKS AND RECREATION

COUNCIL DISTRICT: A

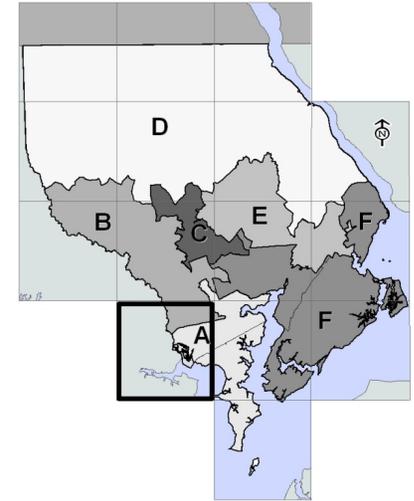
LOCATION: Joppatowne

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.

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:

Restroom renovations are complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	300,000	0	300,000	0	0	250,000	0	0	550,000

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
Total Funds	300,000	0	300,000	0	0	250,000	0	0	550,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	262,396
Encumbered	0
Total	\$262,396

PROJECT: Rockfield Park Improvements

PARKS AND RECREATION

COUNCIL DISTRICT: C

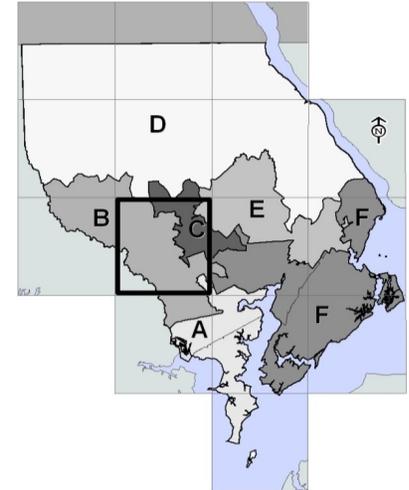
LOCATION: Bel Air

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:

PROJECT STATUS:

Construction of the pathway to the baseball diamond and connection to existing pathway to playground is complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	170,000		170,000		95,000	95,000			360,000
Inspection Fees			0		5,000	5,000			10,000
Equipment/Furnishing			0						0
Total Cost	170,000	0	170,000	0	100,000	100,000	0	0	370,000

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
Total Funds	170,000	0	170,000	0	100,000	100,000	0	0	370,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	55,132
Encumbered	4,378
Total	\$59,510

PROJECT: Vale Road Park

PARKS AND RECREATION

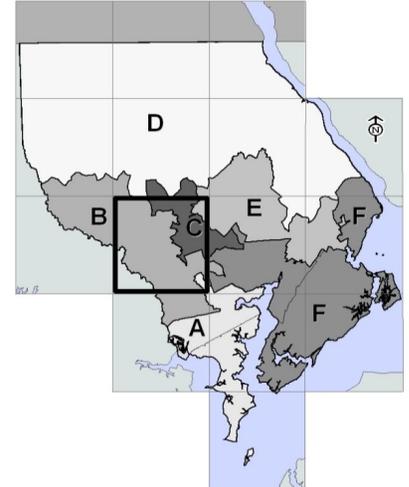
COUNCIL DISTRICT: B

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	0	0	0	100,000	1,000,000	0	0	0	1,100,000

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
Total Funds	0	0	0	100,000	1,000,000	0	0	0	1,100,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

OPEN/ACTIVE PROJECTS

PROJECT: Anita C. Leight Center Improvements

PARKS AND RECREATION

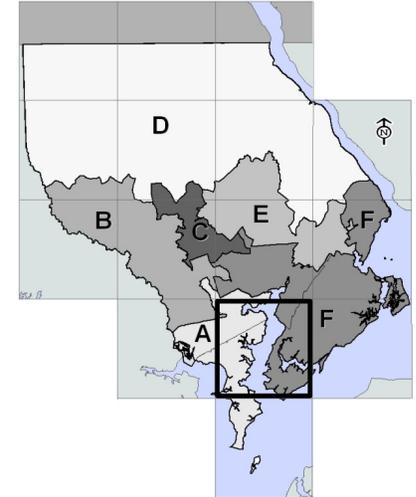
COUNCIL DISTRICT: A

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	190,000		190,000						190,000
Land Acquisition			0						0
Construction	795,000		795,000						795,000
Inspection Fees	20,000		20,000						20,000
Equipment/Furnishing			0						0
Total Cost	1,005,000	0	1,005,000	0	0	0	0	0	1,005,000

FUNDING SCHEDULE

R1515 Recordation Tax	615,000		615,000						615,000
R6999 Other	200,000		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
Total Funds	1,005,000	0	1,005,000	0	0	0	0	0	1,005,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	457,088
Encumbered	0
Total	\$457,088

PROJECT: Bush River Dredging and DMP Site

PARKS AND RECREATION

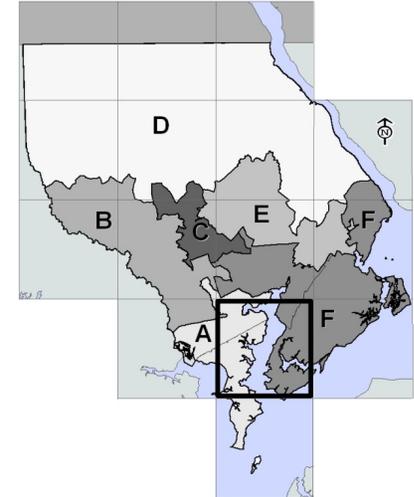
COUNCIL DISTRICT: MULTIPLE

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:

Engineering for the proposed dredging is underway.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	990,000	0	990,000	0	0	0	0	0	990,000

FUNDING SCHEDULE

R1515 Recordation Tax	40,000		40,000						40,000
R3399 State Other	950,000		950,000						950,000
			0						0
			0						0
			0						0
			0						0
Total Funds	990,000	0	990,000	0	0	0	0	0	990,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	76,714
Encumbered	73,664
Total	\$150,378

PROJECT: Churchville Complex Development

PARKS AND RECREATION

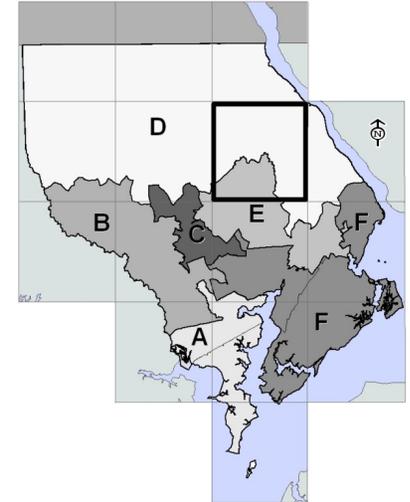
COUNCIL DISTRICT: E

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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	8,556,830	0	8,556,830	0	0	0	0	0	8,556,830

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
Total Funds	8,556,830	0	8,556,830	0	0	0	0	0	8,556,830

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 2/1/19:

Expended 8,166,686
 Encumbered 2,275
Total \$8,168,961

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	100,000		100,000						100,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	100,000	0	100,000	0	0	0	0	0	100,000

FUNDING SCHEDULE

R3399 State Other	100,000		100,000						100,000
									0
			0						0
			0						0
			0						0
			0						0
Total Funds	100,000	0	100,000	0	0	0	0	0	100,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: Demarco Memorial Park Improvements

PARKS AND RECREATION

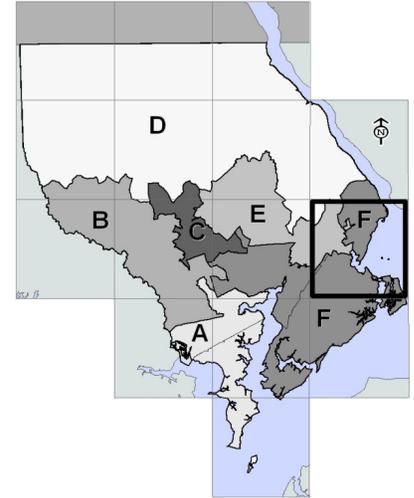
COUNCIL DISTRICT: E

LOCATION: Aberdeen

P174109

PROJECT DESCRIPTION / JUSTIFICATION:

This project is for improvements to the fencing at Demarco Memorial Park along Route 22. Future road plans call for the expansion of Route 22 in the area of Demarco Memorial Park. This project is for the installation of a 20 foot high fence along the stretch of the park that faces Route 22. This will reduce safety issues between the park and Route 22 and will minimize the amount of balls that may leave the park and land on Route 22. This project supports the goals and objectives of the 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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	40,000		40,000						40,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	40,000	0	40,000	0	0	0	0	0	40,000

FUNDING SCHEDULE

R8092 Reappropriated Recordation Tax	20,000		20,000						20,000
R6999 Other	20,000		20,000						20,000
			0						0
			0						0
			0						0
			0						0
Total Funds	40,000	0	40,000	0	0	0	0	0	40,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 0
 Encumbered 0
 Total \$0

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,200,000	0	1,200,000	0	0	0	0	0	1,200,000

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
Total Funds	1,200,000	0	1,200,000	0	0	0	0	0	1,200,000

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 2/1/19:

Expended	600,000
Encumbered	0
Total	\$600,000

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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,205,000	0	1,205,000	0	0	0	0	0	1,205,000

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
Total Funds	1,205,000	0	1,205,000	0	0	0	0	0	1,205,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	883,913
Encumbered	42,142
Total	\$926,055

PROJECT: Flying Point Park Improvements

PARKS AND RECREATION

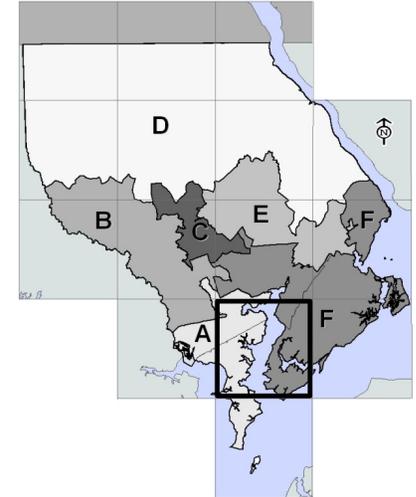
COUNCIL DISTRICT: A

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:

Renovation of the west fishing pier will occur in 2019

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	10,000		10,000						10,000
Land Acquisition			0						0
Construction	379,000		379,000						379,000
Inspection Fees	14,000		14,000						14,000
Equipment/Furnishing			0						0
Total Cost	403,000	0	403,000	0	0	0	0	0	403,000

FUNDING SCHEDULE

R1515 Recordation Tax	205,000		205,000						205,000
R3399 State Other	198,000		198,000						198,000
			0						0
			0						0
			0						0
			0						0
Total Funds	403,000	0	403,000	0	0	0	0	0	403,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 191,619
 Encumbered 528
 Total \$192,147

PROJECT: Forest Hill Recreation Complex Improvements

PARKS AND RECREATION

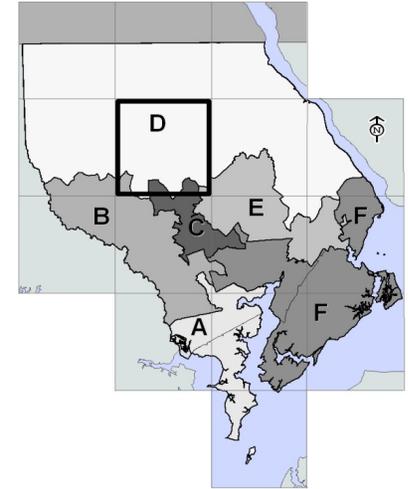
COUNCIL DISTRICT: C

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	800,000	0	800,000	0	0	0	0	0	800,000

FUNDING SCHEDULE

R6999 Other	800,000		800,000						800,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	800,000	0	800,000	0	0	0	0	0	800,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: Fox Meadows Park Improvements

PARKS AND RECREATION

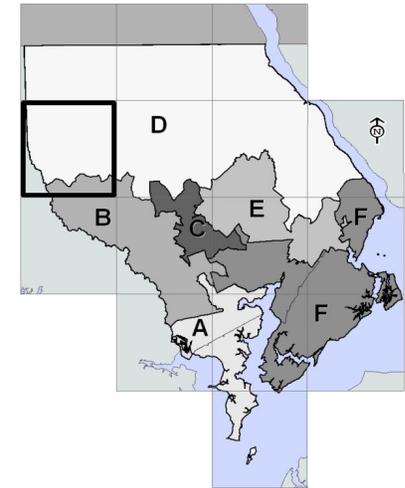
COUNCIL DISTRICT: D

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 complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	450,000	0	450,000	0	0	0	0	0	450,000

FUNDING SCHEDULE

R1515 Recordation Tax	270,000		270,000						270,000
R8027 Reappropriated Recordation Tax	180,000		180,000						180,000
			0						0
			0						0
			0						0
			0						0
Total Funds	450,000	0	450,000	0	0	0	0	0	450,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	10,522
Encumbered	9,350
Total	\$19,872

PROJECT: Francis Silver Park Improvements

PARKS AND RECREATION

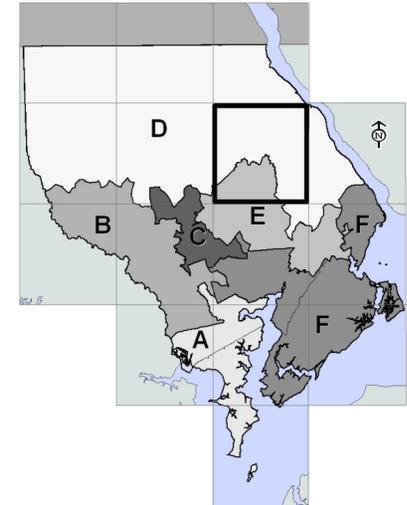
COUNCIL DISTRICT: D

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:

FY 19 - Construction

PROJECT STATUS:

The project is open and ongoing.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2022	FY 2024	FY 2025	
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
Total Cost	425,000	0	425,000	0	0	0	0	0	425,000

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
Total Funds	425,000	0	425,000	0	0	0	0	0	425,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 0
 Encumbered 0
 Total \$0

PROJECT: Gunpowder River Dredging

PARKS AND RECREATION

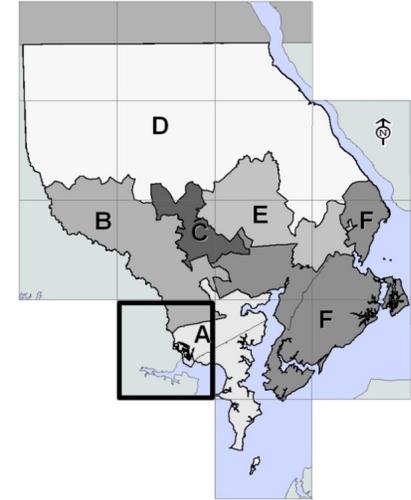
COUNCIL DISTRICT: A

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. 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 West Taylor Creek channel and Rumsey Island outfall is complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	550,000		550,000						550,000
Land Acquisition			0						0
Construction	1,550,000		1,550,000						1,550,000
Inspection Fees	134,000		134,000						134,000
Equipment/Furnishing			0						0
Total Cost	2,234,000	0	2,234,000	0	0	0	0	0	2,234,000

FUNDING SCHEDULE

R3399 State Other	1,720,000		1,720,000						1,720,000
R1515 Recordation Tax	364,000		364,000						364,000
R8092 Reappropriated Recordation Tax	150,000		150,000						150,000
			0						0
			0						0
			0						0
Total Funds	2,234,000	0	2,234,000	0	0	0	0	0	2,234,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	1,548,695
Encumbered	243,106
Total	\$1,791,801

PROJECT: Heavenly Waters Park

PARKS AND RECREATION

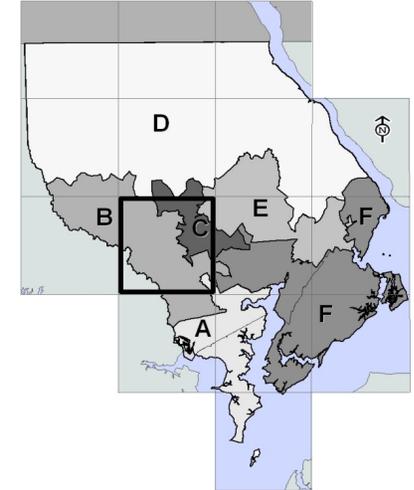
COUNCIL DISTRICT: B

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 Department of Public Works has identified additional funds for the wetland conversion project. Existing funds in this capital account will be used to improve drainage swales along the Ma & Pa Trail-Edgeley Grove section. 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:

The project is open and ongoing.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	2,120,000	0	2,120,000	0	0	0	0	0	2,120,000

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
Total Funds	2,120,000	0	2,120,000	0	0	0	0	0	2,120,000

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 2/1/19:

Expended	969,118
Encumbered	5,265
Total	\$974,383

PROJECT: Indoor Recreation Facility-Forest Hill/Hickory

PARKS AND RECREATION

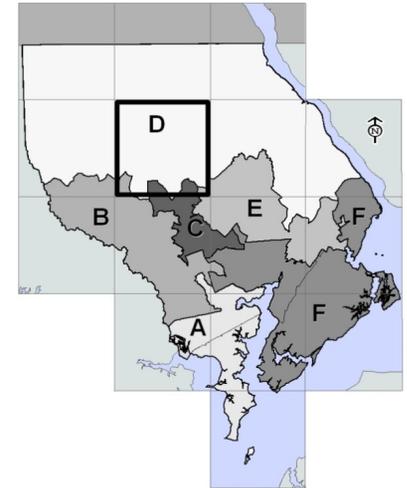
COUNCIL DISTRICT: D

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:

FY 19 - Replacement of the arena netting and plexiglass using existing funds in the capital account.

PROJECT STATUS:

Repairs to the multipurpose room and roof are complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,474,000	0	1,474,000	0	0	0	0	0	1,474,000

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
Total Funds	1,474,000	0	1,474,000	0	0	0	0	0	1,474,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	1,107,644
Encumbered	36,439
Total	\$1,144,083

PROJECT: Joppatowne Area Dredging

PARKS AND RECREATION

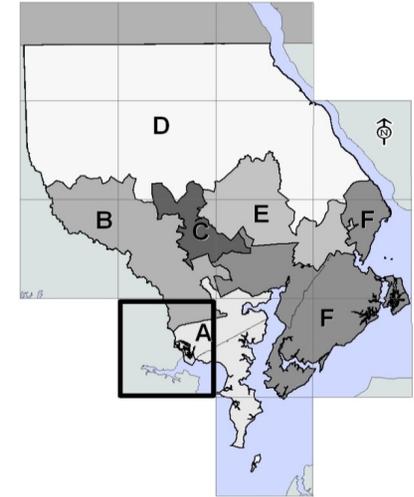
COUNCIL DISTRICT: A

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:

Maintenance dredging of Foster Branch is complete. This account will be closed in FY 20.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,090,000	0	1,090,000	0	0	0	0	0	1,090,000

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
Total Funds	1,090,000	0	1,090,000	0	0	0	0	0	1,090,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	684,981
Encumbered	1,859
Total	\$686,840

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 20: Renovation of grass fields

PROJECT STATUS:

This project will be closed and removed from the Capital Improvement Program after the audit in July, 2019. Any balance left on the project will be reappropriated in the FY 21 Capital Budget to Athletic Field Improvements capital project.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,290,000		1,290,000						1,290,000
Inspection Fees									0
Equipment/Furnishing			0						0
Total Cost	1,290,000	0	1,290,000	0	0	0	0	0	1,290,000

FUNDING SCHEDULE

R1515 Recordation Tax	910,000		910,000						910,000
R6999 Other	380,000		380,000						380,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,290,000	0	1,290,000	0	0	0	0	0	1,290,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	511,364
Encumbered	83,444
Total	\$594,808

PROJECT: Nuttal Avenue Park Development

PARKS AND RECREATION

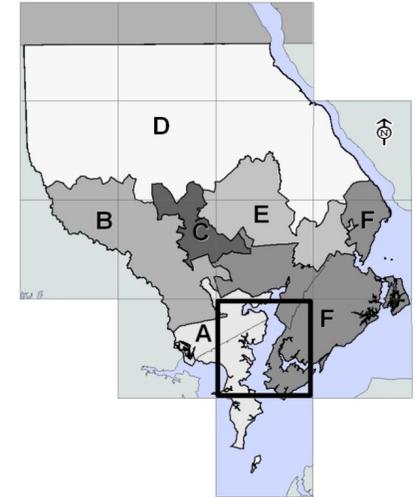
COUNCIL DISTRICT: A

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 19: Engineering

PROJECT STATUS:

This project is open and ongoing.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	500,000	0	500,000	0	0	0	0	0	500,000

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
Total Funds	500,000	0	500,000	0	0	0	0	0	500,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	52,025
Encumbered	29,600
Total	\$81,625

PROJECT: Schucks Road Regional Complex

PARKS AND RECREATION

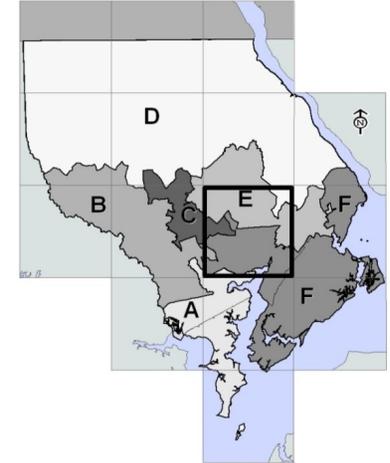
COUNCIL DISTRICT: E

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:

PROJECT STATUS:

Wetlands mitigation monitoring continues.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	8,110,415	0	8,110,415	0	0	0	0	0	8,110,415

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
Total Funds	8,110,415	0	8,110,415	0	0	0	0	0	8,110,415

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 2/1/19:

Expended	5,856,499
Encumbered	180,413
Total	\$6,036,912

PROJECT: Tudor Hall Rehabilitation

PARKS AND RECREATION

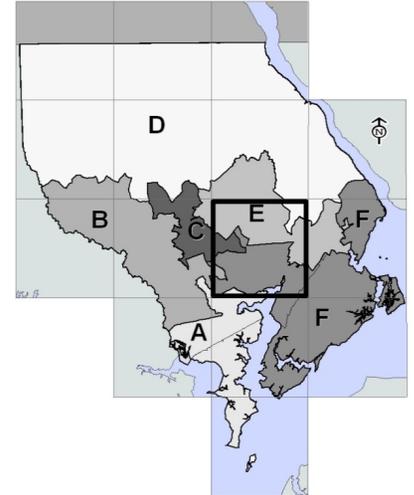
COUNCIL DISTRICT: E

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:

Repairs to the outside of the house began in April 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	585,000		585,000				0		585,000
Inspection Fees	25,000		25,000						25,000
Equipment/Furnishing			0						0
Total Cost	610,000	0	610,000	0	0	0	0	0	610,000

FUNDING SCHEDULE

R8770 Reappropriated	400,000		400,000						400,000
R1515 Recordation Tax	110,000		110,000				0		110,000
R8092 Reappropriated Recordation Tax	100,000		100,000						100,000
R8750 Paygo			0						0
			0						0
			0						0
Total Funds	610,000	0	610,000	0	0	0	0	0	610,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 268,122
 Encumbered 78,859
Total \$346,981

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
HIGHWAYS FUND								
BRIDGES								
<u>FY 20 Funded Projects:</u>								
Abingdon Road Bridge #169 over CSX	4,730,000	1,580,000	250,000	2,900,000	0	0	0	0
Bridge and Road Scour Repairs	2,475,000	1,575,000	150,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program - Over 20' Spans	4,950,000	1,050,000	150,000	1,100,000	0	1,250,000	0	1,400,000
Bridge Inspection Program - Under 20' Spans	525,000	0	100,000	0	200,000	0	225,000	0
Bridge Painting	1,500,000	300,000	200,000	200,000	200,000	200,000	200,000	200,000
Bridge Rehabilitation	7,466,381	2,291,381	2,925,000	450,000	450,000	450,000	450,000	450,000
Chestnut Hill Bridge #40	1,905,000	1,705,000	200,000	0	0	0	0	0
Grier Nursery Road Bridge #143	2,425,000	0	500,000	25,000	0	1,900,000	0	0
Hookers Mill Road Bridge	3,180,000	0	500,000	30,000	2,650,000	0	0	0
Johnson Mill Road Bridge #45	1,260,000	260,000	90,000	0	910,000	0	0	0
Phillips Mill Road Bridge #70	3,550,000	600,000	2,950,000	0	0	0	0	0
Stafford Road Bridge #24	3,405,000	405,000	200,000	2,800,000	0	0	0	0
Structural Evaluation	720,000	420,000	50,000	50,000	50,000	50,000	50,000	50,000
<u>Outyear Projects:</u>								
Boggs Road Bridge #66	1,250,000	0	0	200,000	20,000	0	1,030,000	0
Culvert Rehabilitation	5,480,000	4,730,000	0	150,000	150,000	150,000	150,000	150,000
Deep Run Road Bridge #152	1,245,000	0	0	200,000	20,000	0	1,025,000	0
Edwards Lane Culvert	850,000	0	0	0	0	0	0	850,000
Fawn Grove Road Bridge #132	310,000	10,000	0	0	250,000	50,000	0	0
Glen Cove Road Bridge #155	850,000	0	0	850,000	0	0	0	0
Glenville Road Bridge #30	1,735,000	410,000	0	25,000	0	1,300,000	0	0
Moore's Road Bridge #78	1,105,000	0	0	0	225,000	50,000	0	830,000
Scarboro Road Bridge #140	250,000	0	0	0	0	225,000	25,000	0
<u>Open Projects:</u>								
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0
Carrs Mill Road Bridge #216	2,575,000	2,575,000	0	0	0	0	0	0
Glen Cove Road Bridge #156	1,550,000	1,550,000	0	0	0	0	0	0
Green Road Bridges #119 and #122	1,119,087	1,119,087	0	0	0	0	0	0
New Park Road Bridge #125	1,100,000	1,100,000	0	0	0	0	0	0
Pleasantville Road Bridge #67	225,000	225,000	0	0	0	0	0	0
Robinson Mill Road Bridge #154	2,065,000	2,065,000	0	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	1,095,000	0	0	0	0	0	0
Bridges Total by Project	67,385,468	31,555,468	8,265,000	9,130,000	5,275,000	5,775,000	3,305,000	4,080,000
Paygo	24,338,143	16,053,143	1,425,000	1,025,000	1,450,000	1,310,000	1,225,000	1,850,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	10,885,000	0	3,130,000	2,485,000	1,705,000	655,000	2,080,000	830,000
Prior Bonds	4,162,558	4,162,558	0	0	0	0	0	0
Reappropriated	838,767	838,767	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0
Federal	27,161,000	10,501,000	3,710,000	5,620,000	2,120,000	3,810,000	0	1,400,000
Other	0	0	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0
Bridges Total by Fund	67,385,468	31,555,468	8,265,000	9,130,000	5,275,000	5,775,000	3,305,000	4,080,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET	FIVE YEAR CAPITAL PROGRAM				
			YEAR FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
ROADWAYS								
FY 20 Funded Projects:								
Guardrails	1,675,000	775,000	150,000	150,000	150,000	150,000	150,000	150,000
Intersection Improvements	6,266,728	3,281,728	1,085,000	380,000	380,000	380,000	380,000	380,000
Schucks Road Improvements	1,043,368	893,368	150,000	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	5,750,000	500,000	250,000	0	5,000,000	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	1,300,000	650,000	50,000	120,000	120,000	120,000	120,000	120,000
Trimble Road (Joppa Road to Garnett Road)	2,350,000	0	25,000	200,000	50,000	0	0	2,075,000
Woodley Road Extension to MD 715	7,250,000	0	1,250,000	6,000,000	0	0	0	0
Outyear Projects:								
Carrs Mill Road (MD152-Grafton Shop Road)	200,000	0	0	100,000	0	100,000	0	0
Drainage Improvements	2,075,000	1,575,000	0	100,000	100,000	100,000	100,000	100,000
MD152/Oakmont Road/Port Lane	1,027,666	392,666	0	0	0	0	635,000	0
New Roads and Stormdrains	3,625,000	2,625,000	0	200,000	200,000	200,000	200,000	200,000
Stormdrain Rehabilitation	2,341,231	1,766,231	0	115,000	115,000	115,000	115,000	115,000
Tollgate Road/Vale Road Corridor	1,125,000	0	0	200,000	0	925,000	0	0
Traffic Signals	784,601	109,601	0	135,000	135,000	135,000	135,000	135,000
Open Projects:								
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	750,000	750,000	0	0	0	0	0	0
Roadways Total by Project	48,276,682	24,031,682	2,960,000	7,700,000	6,250,000	2,225,000	1,835,000	3,275,000
Paygo	21,330,374	11,320,374	225,000	1,600,000	1,150,000	2,125,000	1,735,000	3,175,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	13,735,000	0	2,735,000	6,000,000	5,000,000	0	0	0
Prior Bonds	7,131,707	7,131,707	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
Roadways Total by Fund	48,276,682	24,031,682	2,960,000	7,700,000	6,250,000	2,225,000	1,835,000	3,275,000
RESURFACING								
FY 20 Funded Projects:								
Resurfacing Roadways	67,318,262	12,218,262	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Open Projects:								
Resurfacing Roadways 17	5,002,435	5,002,435	0	0	0	0	0	0
Resurfacing Roadways 16	5,292,842	5,292,842	0	0	0	0	0	0
Resurfacing Roadways 15	5,603,106	5,603,106	0	0	0	0	0	0
Resurfacing Roadways 14	6,661,509	6,661,509	0	0	0	0	0	0
Resurfacing Total by Project	89,878,154	34,778,154	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Paygo	87,302,762	32,202,762	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Reappropriated	2,575,392	2,575,392	0	0	0	0	0	0
Prior Paygo	0	0	0	0	0	0	0	0
Resurfacing Total by Fund	89,878,154	34,778,154	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
HIGHWAYS FUND								
OTHER								
FY 20 Funded Projects:								
APG Gate Pilot	2,500,000	2,500,000	0	0	0	0	0	0
Efficiency Capital Investment Project	515,000	235,000	80,000	40,000	40,000	40,000	40,000	40,000
Fleet Maintenance Facility	6,226,000	716,000	5,510,000	0	0	0	0	0
Fleet Replacement	14,142,000	11,942,000	2,200,000	0	0	0	0	0
Highways Facilities Repair Program	2,127,000	1,007,000	100,000	620,000	100,000	100,000	100,000	100,000
Refresh Program	690,500	515,500	175,000	0	0	0	0	0
Safeguarding Business Operations	3,637,450	3,337,450	300,000	0	0	0	0	0
Sidewalks and Handicapped Ramps	2,279,300	1,379,300	150,000	150,000	150,000	150,000	150,000	150,000
Open Projects:								
Fuel Dispensing System Upgrade	950,000	950,000	0	0	0	0	0	0
Glen Elyn Culvert and Ponds Repair	392,500	392,500	0	0	0	0	0	0
Harford County Metro Area Network (HMAN)	930,000	930,000	0	0	0	0	0	0
Primrose Place	146,000	146,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equipment	1,600,000	1,600,000	0	0	0	0	0	0
Other Total by Project	36,135,750	25,650,750	8,515,000	810,000	290,000	290,000	290,000	290,000
Paygo	26,805,696	22,761,718	3,093,978	190,000	190,000	190,000	190,000	190,000
Future Bonds	6,630,000	0	5,610,000	620,000	100,000	100,000	100,000	100,000
Prior Bonds	716,000	716,000	0	0	0	0	0	0
Special Paygo	0	0	0	0	0	0	0	0
Reappropriated	138,865	138,865	0	0	0	0	0	0
Federal	169,300	169,300	0	0	0	0	0	0
State	230,000	190,000	40,000	0	0	0	0	0
Developer	64,650	64,650	0	0	0	0	0	0
Other	1,381,239	1,610,217	(228,978)	0	0	0	0	0
Other Total by Fund	36,135,750	25,650,750	8,515,000	810,000	290,000	290,000	290,000	290,000
TOTAL HIGHWAYS CAPITAL	241,676,054	116,016,054	28,465,000	26,715,000	21,140,000	17,615,000	14,755,000	16,970,000

FY 20 APPROVED CAPITAL BUDGET

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

HIGHWAYS

BRIDGES

Abingdon Road Bridge #169 over CSX	250,000	0	0	0	50,000	0	0	0	0	0	200,000	0	0
Bridge and Road Scour Repairs	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program - Over 20' Spans	150,000	0	0	0	0	0	0	0	0	0	150,000	0	0
Bridge Inspection Program - Under 20' Spans	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Painting	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Bridge Rehabilitation	2,925,000	0	925,000	0	2,000,000	0	0	0	0	0	0	0	0
Chestnut Hill Bridge #40	200,000	0	0	0	40,000	0	0	0	0	0	160,000	0	0
Grier Nursery Road Bridge #43	500,000	0	0	0	100,000	0	0	0	0	0	400,000	0	0
Hookers Mill Road Bridge #13	500,000	0	0	0	100,000	0	0	0	0	0	400,000	0	0
Johnson Mill Road Bridge #45	90,000	0	0	0	90,000	0	0	0	0	0	0	0	0
Phillips Mill Road Bridge #70	2,950,000	0	0	0	650,000	0	0	0	0	0	2,300,000	0	0
Stafford Road Bridge #24	200,000	0	0	0	100,000	0	0	0	0	0	100,000	0	0
Structural Evaluation	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL BRIDGES	8,265,000	0	1,425,000	0	3,130,000	0	0	0	0	0	3,710,000	0	0

ROADWAYS

Guardrails	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	1,085,000	0	0	0	1,085,000	0	0	0	0	0	0	0	0
Schucks Road Improvements	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	250,000	0	0	0	250,000	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Trimble Road (Joppa Road to Garnett Road)	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Woodley Road Extension to MD 715	1,250,000	0	0	0	1,250,000	0	0	0	0	0	0	0	0
SUB-TOTAL ROADWAYS	2,960,000	0	225,000	0	2,735,000	0							

FY 20 APPROVED CAPITAL BUDGET

PROJECT	TOTAL	PRIOR PAYGO	PAYGO	PRIOR BONDS	COUNTY BONDS	REAPPROP	TRANSFER TAX	RECORD. TAX	STATE	P.O.S.	FEDERAL	DEVELOPER	OTHER
<u>HIGHWAYS FUND</u>													
HIGHWAYS													
RESURFACING													
Resurfacing Roadways	8,725,000	0	8,725,000	0	0		0	0	0	0	0	0	0
SUB-TOTAL RESURFACING	8,725,000	0	8,725,000	0	0	0	0	0	0	0	0	0	0
OTHER													
APG Gate PILOT	0	0	228,978	0	0	0	0	0	0	0	0	0	(228,978)
Efficiency Capital Investment Project	80,000	0	40,000	0	0	0	0	0	40,000	0	0	0	0
Fleet Maintenance Facility	5,510,000	0	0	0	5,510,000	0	0	0	0	0	0	0	0
Fleet Replacement	2,200,000	0	2,200,000	0	0	0	0	0	0	0	0	0	0
Highways Facilities Repair Program	100,000	0	0	0	100,000	0	0	0	0	0	0	0	0
Refresh Program	175,000	0	175,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL OTHER	8,515,000	0	3,093,978	0	5,610,000	0	0	0	40,000	0	0	0	(228,978)
TOTAL HIGHWAYS FUND CAPITAL	28,465,000	0	13,468,978	0	11,475,000	0	0	0	40,000	0	3,710,000	0	(228,978)

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
HIGHWAYS FUND								
BRIDGES								
<u>FY 20 Funded Projects:</u>								
Abingdon Road Bridge #169 over CSX	4,730,000	1,580,000	250,000	2,900,000	0	0	0	0
Bridge and Road Scour Repairs	2,475,000	1,575,000	150,000	150,000	150,000	150,000	150,000	150,000
Bridge Inspection Program - Over 20' Spans	4,950,000	1,050,000	150,000	1,100,000	0	1,250,000	0	1,400,000
Bridge Inspection Program - Under 20' Spans	525,000	0	100,000	0	200,000	0	225,000	0
Bridge Painting	1,500,000	300,000	200,000	200,000	200,000	200,000	200,000	200,000
Bridge Rehabilitation	7,466,381	2,291,381	2,925,000	450,000	450,000	450,000	450,000	450,000
Chestnut Hill Bridge #40	1,905,000	1,705,000	200,000	0	0	0	0	0
Grier Nursery Road Bridge #143	2,425,000	0	500,000	25,000	0	1,900,000	0	0
Hookers Mill Road Bridge	3,180,000	0	500,000	30,000	2,650,000	0	0	0
Johnson Mill Road Bridge #45	1,260,000	260,000	90,000	0	910,000	0	0	0
Phillips Mill Road Bridge #70	3,550,000	600,000	2,950,000	0	0	0	0	0
Stafford Road Bridge #24	3,405,000	405,000	200,000	2,800,000	0	0	0	0
Structural Evaluation	720,000	420,000	50,000	50,000	50,000	50,000	50,000	50,000
<u>Outyear Projects:</u>								
Boggs Road Bridge #66	1,250,000	0	0	200,000	20,000	0	1,030,000	0
Culvert Rehabilitation	5,480,000	4,730,000	0	150,000	150,000	150,000	150,000	150,000
Deep Run Road Bridge #152	1,245,000	0	0	200,000	20,000	0	1,025,000	0
Edwards Lane Culvert	850,000	0	0	0	0	0	0	850,000
Fawn Grove Road Bridge #132	310,000	10,000	0	0	250,000	50,000	0	0
Glen Cove Road Bridge #155	850,000	0	0	850,000	0	0	0	0
Glenville Road Bridge #30	1,735,000	410,000	0	25,000	0	1,300,000	0	0
Moore's Road Bridge #78	1,105,000	0	0	0	225,000	50,000	0	830,000
Scarboro Road Bridge #140	250,000	0	0	0	0	225,000	25,000	0
<u>Open Projects:</u>								
Bridge Inspection Program	3,640,000	3,640,000	0	0	0	0	0	0
Bridge Rehabilitation	2,850,000	2,850,000	0	0	0	0	0	0
Carrs Mill Road Bridge #216	2,575,000	2,575,000	0	0	0	0	0	0
Glen Cove Road Bridge #156	1,550,000	1,550,000	0	0	0	0	0	0
Green Road Bridges #119 and #122	1,119,087	1,119,087	0	0	0	0	0	0
New Park Road Bridge #125	1,100,000	1,100,000	0	0	0	0	0	0
Pleasantville Road Bridge #67	225,000	225,000	0	0	0	0	0	0
Robinson Mill Road Bridge #154	2,065,000	2,065,000	0	0	0	0	0	0
Snake Lane Bridge #31	1,095,000	1,095,000	0	0	0	0	0	0
Bridges Total by Project	67,385,468	31,555,468	8,265,000	9,130,000	5,275,000	5,775,000	3,305,000	4,080,000
Paygo	24,338,143	16,053,143	1,425,000	1,025,000	1,450,000	1,310,000	1,225,000	1,850,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	10,885,000	0	3,130,000	2,485,000	1,705,000	655,000	2,080,000	830,000
Prior Bonds	4,162,558	4,162,558	0	0	0	0	0	0
Reappropriated	838,767	838,767	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0
Federal	27,161,000	10,501,000	3,710,000	5,620,000	2,120,000	3,810,000	0	1,400,000
Other	0	0	0	0	0	0	0	0
Developer	0	0	0	0	0	0	0	0
Bridges Total by Fund	67,385,468	31,555,468	8,265,000	9,130,000	5,275,000	5,775,000	3,305,000	4,080,000

FY 20 APPROVED CAPITAL BUDGET

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

HIGHWAYS

BRIDGES

Abingdon Road Bridge #169 over CSX	250,000	0	0	0	50,000	0	0	0	0	0	200,000	0	0
Bridge and Road Scour Repairs	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Bridge Inspection Program - Over 20' Spans	150,000	0	0	0	0	0	0	0	0	0	150,000	0	0
Bridge Inspection Program - Under 20' Spans	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Bridge Painting	200,000	0	200,000	0	0	0	0	0	0	0	0	0	0
Bridge Rehabilitation	2,925,000	0	925,000	0	2,000,000	0	0	0	0	0	0	0	0
Chestnut Hill Bridge #40	200,000	0	0	0	40,000	0	0	0	0	0	160,000	0	0
Grier Nursery Road Bridge #43	500,000	0	0	0	100,000	0	0	0	0	0	400,000	0	0
Hookers Mill Road Bridge #13	500,000	0	0	0	100,000	0	0	0	0	0	400,000	0	0
Johnson Mill Road Bridge #45	90,000	0	0	0	90,000	0	0	0	0	0	0	0	0
Phillips Mill Road Bridge #70	2,950,000	0	0	0	650,000	0	0	0	0	0	2,300,000	0	0
Stafford Road Bridge #24	200,000	0	0	0	100,000	0	0	0	0	0	100,000	0	0
Structural Evaluation	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL BRIDGES	8,265,000	0	1,425,000	0	3,130,000	0	0	0	0	0	3,710,000	0	0

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.

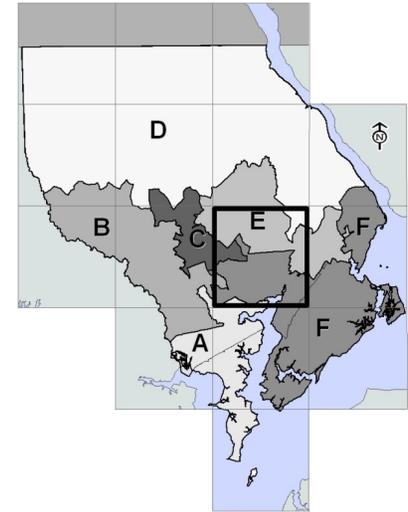
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

PROJECT SCHEDULE:

- FY18 - Design Revisions to Address CSX Requirements
- FY19 - Utilities & R/W
- FY20 - Add'l Design Revisions to address ABC/PBES Construction & Utility Relocations
- FY21 - Construction

PROJECT STATUS:

Design approximately 40% complete



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	820,000		820,000						820,000
Land Acquisition	360,000	50,000	410,000						410,000
Construction	400,000	200,000	600,000	2,750,000					3,350,000
Inspection Fees			0	150,000					150,000
Equipment/Furnishing			0						0
Total Cost	1,580,000	250,000	1,830,000	2,900,000	0	0	0	0	4,730,000

FUNDING SCHEDULE

R8750 Paygo	240,762		240,762						240,762
R3140 Federal TEA-21	1,070,000	200,000	1,270,000	2,320,000					3,590,000
R8770 Reappropriated	69,238		69,238						69,238
R7000 Future Bonds		50,000	50,000	580,000					630,000
R7100 Prior Bonds	200,000		200,000						200,000
			0						0
Total Funds	1,580,000	250,000	1,830,000	2,900,000	0	0	0	0	4,730,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$6,975
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 560,785
 Encumbered 32,756
Total \$593,541

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 - Emergency funding added to account - \$75,000 for repairs to Forge Hill Road

FY20 - Ongoing program / Possible Madonna Road Embankment Repair

PROJECT STATUS:

Various projects are continuously being designed & constructed under this account.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	125,000	10,000	135,000	20,000	20,000	20,000	20,000	20,000	235,000
Land Acquisition	5,000		5,000						5,000
Construction	1,320,000	130,000	1,450,000	120,000	120,000	120,000	120,000	120,000	2,050,000
Inspection Fees	125,000	10,000	135,000	10,000	10,000	10,000	10,000	10,000	185,000
Equipment/Furnishing			0						0
Total Cost	1,575,000	150,000	1,725,000	150,000	150,000	150,000	150,000	150,000	2,475,000

FUNDING SCHEDULE

R8750 Paygo	1,575,000	150,000	1,725,000	150,000	150,000	150,000	150,000	150,000	2,475,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,575,000	150,000	1,725,000	150,000	150,000	150,000	150,000	150,000	2,475,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	1,050,773
Encumbered	17,879
Total	\$1,068,652

PROJECT: Bridge Inspection Program - Over 20' Spans

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

H184501

PROJECT DESCRIPTION / JUSTIFICATION:

This program provides funding for the inspection of bridges in Harford County that have a span length of greater than 20'. Funding is 100% provided by Federal Aid. This program is being separated from the bridge inspections under 20' in length because that program is 100% locally funded and dividing the programs into separate capital accounts makes budget more streamlined. The bridge inspection program identifies problem areas on the County's bridge structures and is used to prioritize repairs and replacements to them.

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	1,050,000	150,000	1,200,000	1,100,000	0	1,250,000	0	1,400,000	4,950,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equip. / Furn.			0						0
Total Cost	1,050,000	150,000	1,200,000	1,100,000	0	1,250,000	0	1,400,000	4,950,000

FUNDING SCHEDULE

R3140 Federal TEA-21	950,000	150,000	1,100,000	1,100,000	0	1,250,000	0	1,400,000	4,850,000
R8750 Paygo	100,000		100,000						100,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,050,000	150,000	1,200,000	1,100,000	0	1,250,000	0	1,400,000	4,950,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 11,262
 Encumbered 88,738
 Total \$100,000

PROJECT: Bridge Inspection Program - Under 20' Spans

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

H204519

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 bridge inspection data is analyzed to develop priorities for bridge repairs and replacements. As of September, 2018, the County's DPW maintains 65 bridges that are under 20' long.

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		100,000	100,000		200,000		225,000		525,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equip. / Furn.			0						0
Total Cost	0	100,000	100,000	0	200,000	0	225,000	0	525,000

FUNDING SCHEDULE

R8750 Paygo		100,000	100,000		200,000		225,000		525,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	100,000	100,000	0	200,000	0	225,000	0	525,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: Bridge Painting

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

H144501

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides funding to paint bridges in Harford County. This preventative maintenance project will help to conserve future County resources by extending the life of the existing bridges and forestalling expensive replacement costs. This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.



PROJECT SCHEDULE:

FY19: On-going program
 FY20 - Estimated 7 - 10 bridges planned for painting

PROJECT STATUS:

Various projects are continuously being designed & constructed under this account.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	10,000	5,000	15,000	5,000	5,000	5,000	5,000	5,000	40,000
Land Acquisition			0						0
Construction	270,000	175,000	445,000	175,000	175,000	175,000	175,000	175,000	1,320,000
Inspection Fees	20,000	20,000	40,000	20,000	20,000	20,000	20,000	20,000	140,000
Equipment/Furnishing			0						0
Total Cost	300,000	200,000	500,000	200,000	200,000	200,000	200,000	200,000	1,500,000

FUNDING SCHEDULE

R8750 Paygo	300,000	200,000	500,000	200,000	200,000	200,000	200,000	200,000	1,500,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	300,000	200,000	500,000	200,000	200,000	200,000	200,000	200,000	1,500,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	98,330
Encumbered	0
Total	\$98,330

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. FY 20 additional funding provided for emergency bridge repairs.

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 on three bridges with some construction funding for future - including Troyer Road, Linkous Road, West Chapel Road, FY19 (Emergency Funding): Bill 18-041 added \$500,000 in emergency funding for flood repairs - for Eden Mill, Glen Cove (2) and Trappe Church
 FY20 - Construction on Linkous Road #133, Troyer Road #103 and West Chapel Road #17 - Design on Bailey Road Bridge

PROJECT STATUS:

Various projects are continuously being designed & constructed under this account.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	530,000	100,000	630,000	100,000	100,000	100,000	100,000	100,000	1,130,000
Land Acquisition			0						0
Construction	1,556,381	2,750,000	4,306,381	300,000	300,000	300,000	300,000	300,000	5,806,381
Inspection Fees	205,000	75,000	280,000	50,000	50,000	50,000	50,000	50,000	530,000
Equipment/Furnishing			0						0
Total Cost	2,291,381	2,925,000	5,216,381	450,000	450,000	450,000	450,000	450,000	7,466,381

FUNDING SCHEDULE

R8750 Paygo	2,200,000	925,000	3,125,000	450,000	450,000	450,000	450,000	450,000	5,375,000
R8750 Prior Paygo	91,381		91,381						91,381
R7000 Future Bonds		2,000,000	2,000,000						2,000,000
			0						0
			0						0
			0						0
Total Funds	2,291,381	2,925,000	5,216,381	450,000	450,000	450,000	450,000	450,000	7,466,381

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 55,800
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 901,727
 Encumbered 803,057
Total \$1,704,784

PROJECT: Chestnut Hill Bridge #40

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

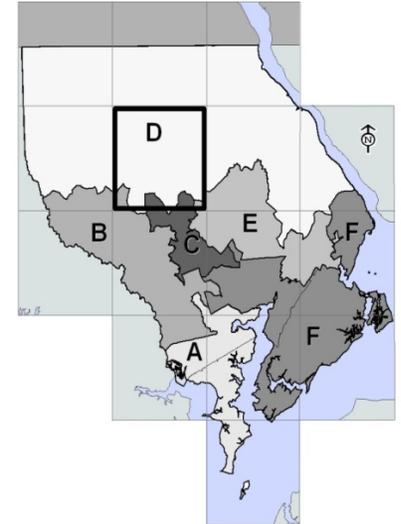
LOCATION: Hickory

H114501

PROJECT DESCRIPTION / JUSTIFICATION:

This project will replace the existing Chestnut Hill Road Bridge. The current structure is a single lane bridge with deteriorating superstructure and an inadequate waterway opening. This project is eligible for Federal funding.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.



PROJECT SCHEDULE:

- FY13 / 15 - Design
- FY18 - R/W
- FY19 - Utility Relocations & Construction
- FY20 - Inspections & Construction

PROJECT STATUS:

Design approximately 50% complete.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	340,000		340,000						340,000
Land Acquisition	60,000		60,000						60,000
Construction	1,205,000	200,000	1,405,000						1,405,000
Inspection Fees	100,000		100,000						100,000
Equipment/Furnishing			0						0
Total Cost	1,705,000	200,000	1,905,000	0	0	0	0	0	1,905,000

FUNDING SCHEDULE

R8750 Paygo	124,000		124,000						124,000
R3140 Federal Aid	1,233,000	160,000	1,393,000						1,393,000
R7100 Prior Bonds	348,000		348,000						348,000
R7000 Future Bonds		40,000	40,000						40,000
			0						0
			0						0
Total Funds	1,705,000	200,000	1,905,000	0	0	0	0	0	1,905,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$10,825
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 427,067
 Encumbered 4,326
Total \$431,393

PROJECT: Grier Nursery Road Bridge #43

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

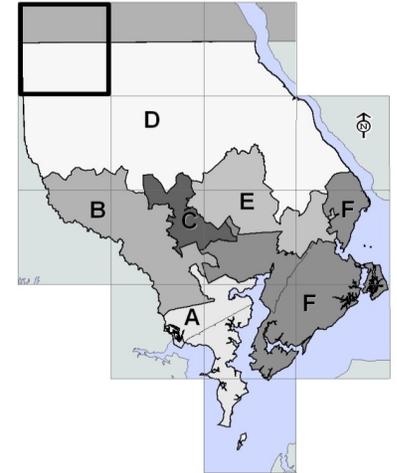
LOCATION: Norrisville

H204520

PROJECT DESCRIPTION / JUSTIFICATION:

This project is to replace the entire superstructure for the Grier Nursery Road Bridge over Deer Creek. The deck is in poor condition requiring the reconstruction.

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
- FY23 - Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		500,000	500,000						500,000
Land Acquisition			0	25,000					0
Construction			0			1,800,000			1,800,000
Inspection Fees			0			100,000			100,000
Equipment/Furnishing			0						0
Total Cost	0	500,000	500,000	25,000	0	1,900,000	0	0	2,425,000

FUNDING SCHEDULE

R7000 Future Bonds		100,000	100,000	25,000		380,000			505,000
R3140 Federal Aid		400,000	400,000			1,520,000			1,920,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	500,000	500,000	25,000	0	1,900,000	0	0	2,425,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 2,790
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Hookers Mill Road Bridge #13

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: B

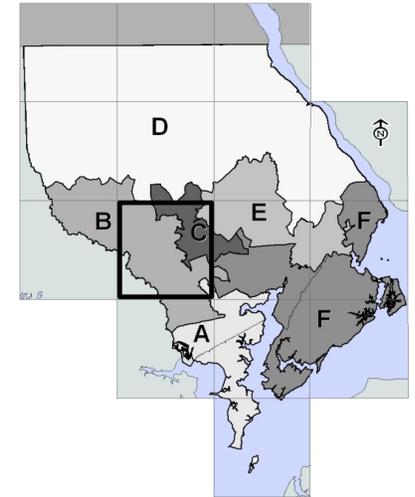
LOCATION: Forest Hill

H204521

PROJECT DESCRIPTION / JUSTIFICATION:

This project is to replace the entire bridge that carries Hookers Mill Road over Bynum Run. The beams, deck and abutments are deteriorated and should be replaced in the next several years. 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:

- FY20 - Design
- FY21 - R/W & Permits
- FY22 - Construction

PROJECT STATUS:

Design complete, ROW acquisition in progress

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		500,000	500,000						500,000
Land Acquisition			0	30,000					30,000
Construction			0		2,500,000				2,500,000
Inspection Fees			0		150,000				150,000
Equipment/Furnishing			0						0
Total Cost	0	500,000	500,000	30,000	2,650,000	0	0	0	3,180,000

FUNDING SCHEDULE

R8750 Paygo			0						0
R3140 Federal Aid		400,000	400,000		2,120,000				2,520,000
R7000 Future Bonds		100,000	100,000	30,000	530,000				660,000
			0						0
			0						0
			0						0
Total Funds	0	500,000	500,000	30,000	2,650,000	0	0	0	3,180,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 2,790
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Johnson Mill Road Bridge #45

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

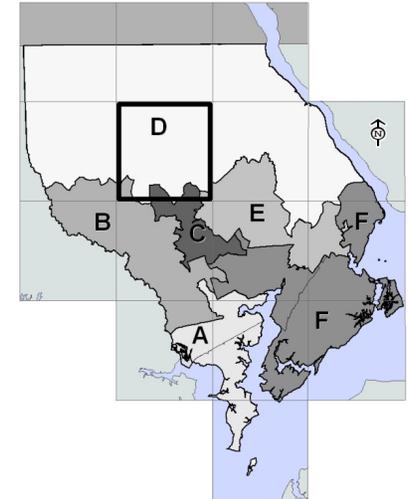
LOCATION: Hickory

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
 FY20 - R/W & Utility Relocations
 FY21 - Construction

PROJECT STATUS:

Design approximately 35% complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	250,000		250,000						250,000
Land Acquisition	10,000	15,000	25,000						25,000
Construction		75,000	75,000		850,000				925,000
Inspection Fees			0		60,000				60,000
Equipment/Furnishing			0						0
Total Cost	260,000	90,000	350,000	0	910,000	0	0	0	1,260,000

FUNDING SCHEDULE

R8710 Paygo			0						0
R7100 Prior Bonds	260,000		260,000						260,000
R7000 Future Bonds		90,000	90,000		910,000				1,000,000
			0						0
			0						0
			0						0
Total Funds	260,000	90,000	350,000	0	910,000	0	0	0	1,260,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$9,765
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 174,605
 Encumbered 23,752
Total \$198,357

PROJECT: Phillips Mill Road Bridge #70

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: B

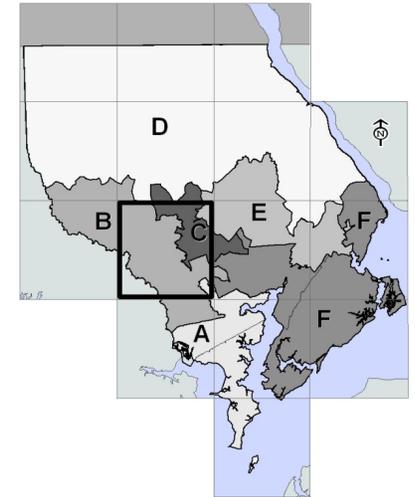
LOCATION: Forest Hill

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	490,000		490,000						490,000
Land Acquisition	60,000		60,000						60,000
Construction	50,000	2,800,000	2,850,000						2,850,000
Inspection Fees		150,000	150,000						150,000
Equipment/Furnishing			0						0
Total Cost	600,000	2,950,000	3,550,000	0	0	0	0	0	3,550,000

FUNDING SCHEDULE

R8750 Paygo	180,000		180,000						180,000
R3140 Federal Aid	320,000	2,300,000	2,620,000						2,620,000
R7100 Prior Bonds	100,000		100,000						100,000
R7000 Future Bonds		650,000	650,000						650,000
			0						0
			0						0
Total Funds	600,000	2,950,000	3,550,000	0	0	0	0	0	3,550,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 20,925
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 444,554
 Encumbered 22,155
Total \$466,709

PROJECT: Stafford Road Bridge #24

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

LOCATION: Darlington

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.

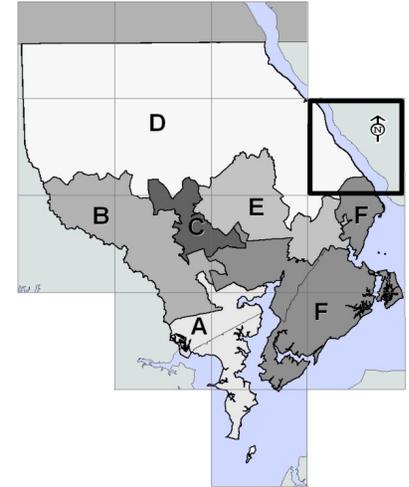
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

Project Schedule:

- FY18 - Design
- FY20 - Utilities & Design Revisions
- FY21 - Construction

Project Status:

Design 75% Complete



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	405,000		405,000						405,000
Land Acquisition			0						0
Construction		200,000	200,000	2,700,000					2,900,000
Inspection Fees			0	100,000					100,000
Equipment/Furnishing			0						0
Total Cost	405,000	200,000	605,000	2,800,000	0	0	0	0	3,405,000

FUNDING SCHEDULE

R8750 Paygo	40,000		40,000						40,000
R3140 Federal Aid	300,000	100,000	400,000	2,200,000					2,600,000
R7000 Future Bonds		100,000	100,000	600,000					700,000
R7100 Prior Bonds	65,000		65,000						65,000
			0						0
			0						0
Total Funds	405,000	200,000	605,000	2,800,000	0	0	0	0	3,405,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 4,604
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 150,542
 Encumbered 37,652
Total \$188,194

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	420,000	50,000	470,000	50,000	50,000	50,000	50,000	50,000	720,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	420,000	50,000	470,000	50,000	50,000	50,000	50,000	50,000	720,000

FUNDING SCHEDULE

R8750 Paygo	420,000	50,000	470,000	50,000	50,000	50,000	50,000	50,000	720,000
			0						0
			0						0
			0						0
			0						0
Total Funds	420,000	50,000	470,000	50,000	50,000	50,000	50,000	50,000	720,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	368,656
Encumbered	38,670
Total	\$407,326

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.

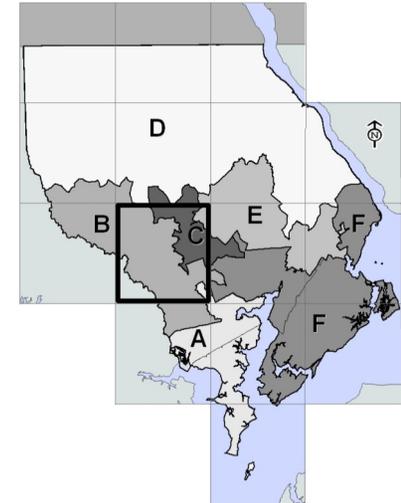
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

PROJECT SCHEDULE:

- FY21 - Design
- FY22 - R/W & Permits
- FY24 - Construction

PROJECT STATUS:

Not currently funded.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	200,000					200,000
Land Acquisition			0		20,000				20,000
Construction			0				950,000		950,000
Inspection Fees			0				80,000		80,000
Equipment/Furnishing			0						0
Total Cost	0	0	0	200,000	20,000	0	1,030,000	0	1,250,000

FUNDING SCHEDULE

R7000 Future Bonds			0	200,000	20,000		1,030,000		1,250,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	200,000	20,000	0	1,030,000	0	1,250,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended	
Encumbered	
Total	\$0

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

FY19 - Emergency funding placed in account under Bill 18-041 for emergency flooding repairs

PROJECT STATUS:

Various projects are continuously being designed and constructed under this account.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	550,000		550,000	10,000	10,000	10,000	10,000	10,000	600,000
Land Acquisition	30,000		30,000						30,000
Construction	3,785,000		3,785,000	130,000	130,000	130,000	130,000	130,000	4,435,000
Inspection Fees	365,000		365,000	10,000	10,000	10,000	10,000	10,000	415,000
Equipment/Furnishing			0						0
Total Cost	4,730,000	0	4,730,000	150,000	150,000	150,000	150,000	150,000	5,480,000

FUNDING SCHEDULE

R8750 Paygo	4,300,000		4,300,000	150,000	150,000	150,000	150,000	150,000	5,050,000
R8089 Reappropriated Paygo	430,000		430,000						430,000
			0						0
			0						0
			0						0
			0						0
Total Funds	4,730,000	0	4,730,000	150,000	150,000	150,000	150,000	150,000	5,480,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	4,374,033
Encumbered	14,617
Total	<u>\$4,388,650</u>

PROJECT: Deep Run Road Bridge #152

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

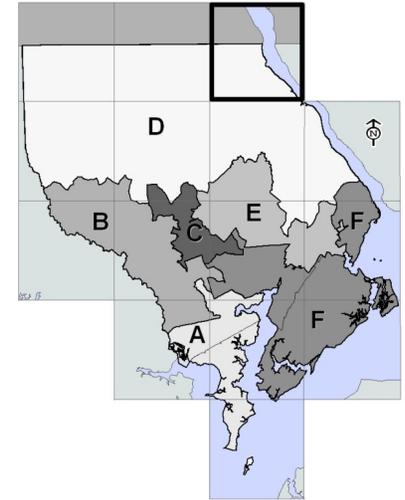
LOCATION: Whiteford

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	200,000					200,000
Land Acquisition			0		20,000				20,000
Construction			0				950,000		950,000
Inspection Fees			0				75,000		75,000
Equipment/Furnishing			0						0
Total Cost	0	0	0	200,000	20,000	0	1,025,000	0	1,245,000

FUNDING SCHEDULE

R7000 Future Bonds			0	200,000	20,000		1,025,000		1,245,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	200,000	20,000	0	1,025,000	0	1,245,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended	
Encumbered	
Total	\$0

PROJECT: Fawn Grove Road Bridge #132

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

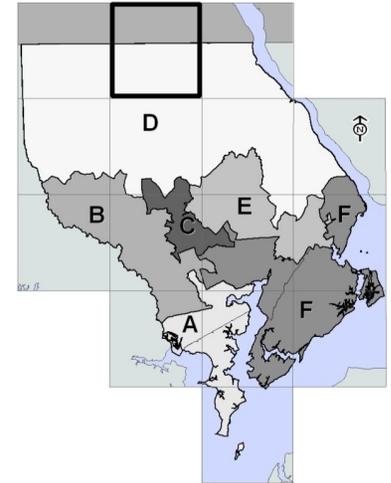
LOCATION: Pylesville

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:

- FY22 - Design
- FY23 - R/W & Permits
- Outyears - Construction

PROJECT STATUS:

Not currently funded.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	10,000		10,000		250,000				260,000
Land Acquisition						50,000			50,000
Construction									0
Inspection Fees									0
Equipment/Furnishing									0
Total Cost	10,000	0	10,000	0	250,000	50,000	0	0	310,000

FUNDING SCHEDULE

R8750 Paygo	10,000		10,000		250,000	50,000			310,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	10,000	0	10,000	0	250,000	50,000	0	0	310,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	5,467
Encumbered	
Total	\$5,467

PROJECT: Glen Cove Road Bridge #155

HIGHWAYS - BRIDGES

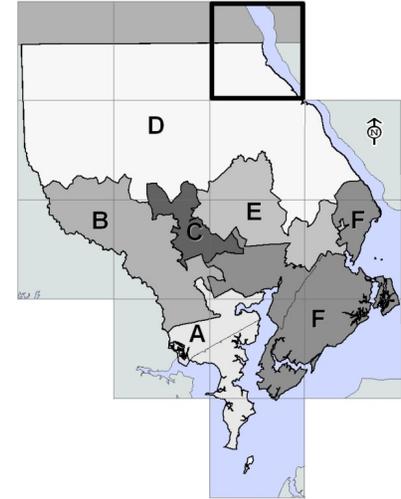
COUNCIL DISTRICT: D

LOCATION: Dublin

New

PROJECT DESCRIPTION / JUSTIFICATION:

This project is to replace the bridge that carries Glen Cove Road over Peddler Run closer to MD 440. The existing bridge suffered severe damage in a storm in August, 2018 and was subsequently demolished. The new bridge is under design through the County's on-call structural services contract.



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 Design through on-call consultants
 FY 21- Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0	800,000					800,000
Inspection Fees			0	50,000					50,000
Equipment/Furnishing			0						0
Total Cost	0	0	0	850,000	0	0	0	0	850,000

FUNDING SCHEDULE

R7000 Future Bonds			0	850,000					850,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	850,000	0	0	0	0	850,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended
 Encumbered
 Total \$0

PROJECT: Glenville Road Bridge #30

HIGHWAYS - BRIDGES

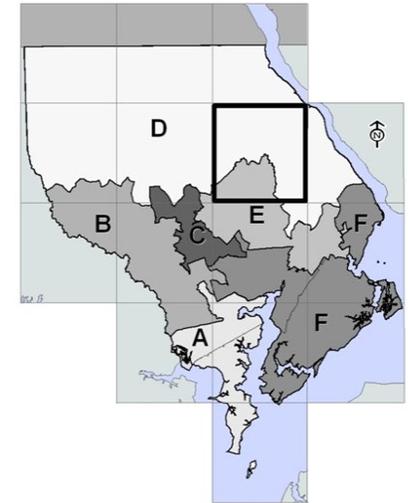
COUNCIL DISTRICT: MULTIPLE

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
- FY21 - R/W
- FY23 - Utility Relocation & Construction

PROJECT STATUS:

Design has been initiated

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	410,000		410,000						410,000
Land Acquisition			0	25,000					25,000
Construction			0			1,200,000			1,200,000
Inspection Fees			0			100,000			100,000
Equipment/Furnishing			0						0
Total Cost	410,000	0	410,000	25,000	0	1,300,000	0	0	1,735,000

FUNDING SCHEDULE

R8710 Paygo	300,000		300,000	25,000		260,000			585,000
R3140 Federal TEA-21	110,000		110,000			1,040,000			1,150,000
			0						0
			0						0
			0						0
Total Funds	410,000	0	410,000	25,000	0	1,300,000	0	0	1,735,000

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 2/1/19:

Expended	146
Encumbered	0
Total	\$146

PROJECT: Moores Road Bridge #78

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: B

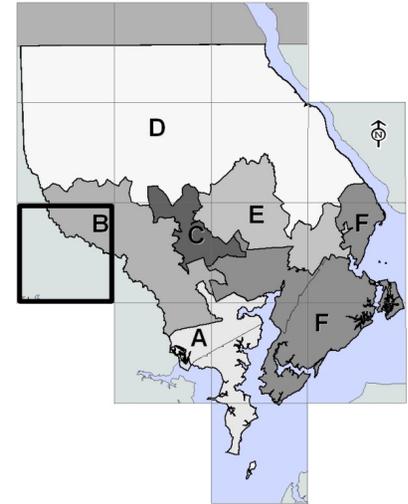
LOCATION: Upper Crossroads

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
- FY25 - Construction

PROJECT STATUS:

Not currently funded.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0		225,000				225,000
Land Acquisition			0			50,000			50,000
Construction			0					750,000	750,000
Inspection Fees			0					80,000	80,000
Equipment/Furnishing			0						0
Total Cost	0	0	0	0	0	50,000	0	830,000	1,105,000

FUNDING SCHEDULE

R7000 Future Bonds			0		225,000	50,000		830,000	1,105,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	0	225,000	50,000	0	830,000	1,105,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended	
Encumbered	
Total	\$0

PROJECT: Scarboro Road Bridge #140

HIGHWAYS - BRIDGES

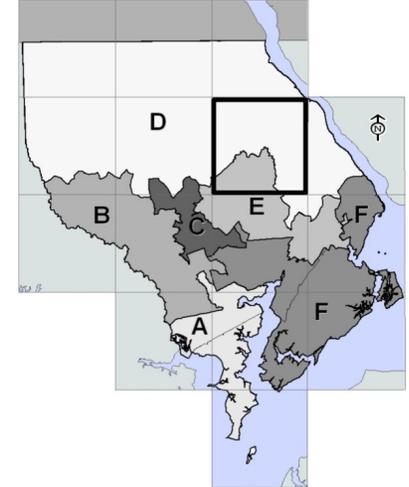
COUNCIL DISTRICT: D

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0			225,000			225,000
Land Acquisition			0				25,000		25,000
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	0	0	0	0	225,000	25,000	0	250,000

FUNDING SCHEDULE

R7000 Future Bonds			0			225,000	25,000		250,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	0	0	225,000	25,000	0	250,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended	0
Encumbered	0
Total	\$0

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	3,640,000	0	3,640,000	0	0	0	0	0	3,640,000

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
Total Funds	3,640,000	0	3,640,000	0	0	0	0	0	3,640,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	3,571,152
Encumbered	0
Total	\$3,571,152

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	2,850,000	0	2,850,000	0	0	0	0	0	2,850,000

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
Total Funds	2,850,000	0	2,850,000	0	0	0	0	0	2,850,000

OPERATING BUDGET IMPACT:

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

Financial activity as of 2/1/19:

Expended	2,828,803
Encumbered	896
Total	\$2,829,699

PROJECT: Carrs Mill Road Bridge #216

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: B

LOCATION: Fallston

H084501

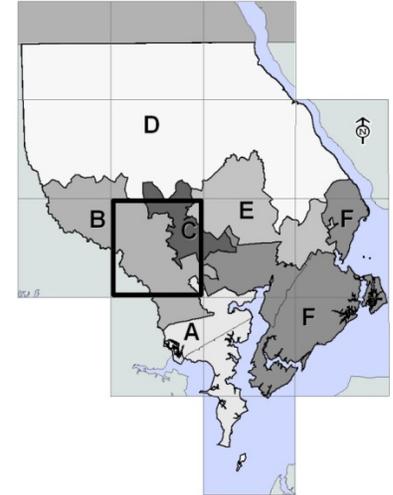
PROJECT DESCRIPTION / JUSTIFICATION:

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	2,575,000	0	2,575,000	0	0	0	0	0	2,575,000

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
Total Funds	2,575,000	0	2,575,000	0	0	0	0	0	2,575,000

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 2/1/19:

Expended	2,195,340
Encumbered	78,520
Total	\$2,273,860

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.

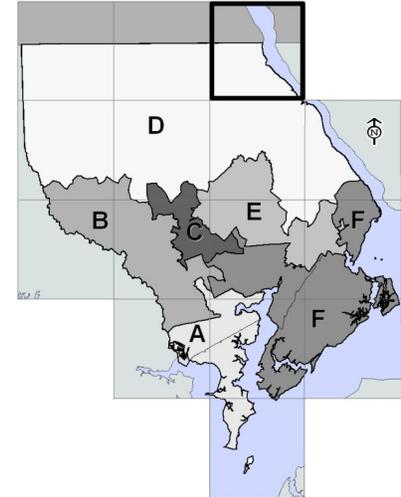
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

PROJECT SCHEDULE:

FY19 - Utility Relocation & Construction

PROJECT STATUS:

Design is complete, r/w is acquired



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0						0
Construction	1,400,000		1,400,000						1,400,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,550,000	0	1,550,000	0	0	0	0	0	1,550,000

FUNDING SCHEDULE

R8750 Paygo	1,350,000		1,350,000						1,350,000
R7100 Prior Bonds	200,000		200,000						200,000
			0						0
			0						0
			0						0
Total Funds	1,550,000	0	1,550,000	0	0	0	0	0	1,550,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$5,580
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 150,164
 Encumbered 723,206
Total \$873,370

PROJECT: Green Road Bridges #119 and #122

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

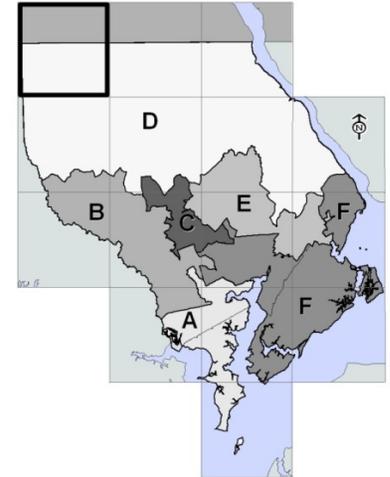
LOCATION: Norrisville

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	175,000		175,000						175,000
Land Acquisition			0						0
Construction	890,000		890,000						890,000
Inspection Fees	54,087		54,087						54,087
Equipment/Furnishing			0						0
Total Cost	1,119,087	0	1,119,087	0	0	0	0	0	1,119,087

FUNDING SCHEDULE

R8750 Paygo	190,000		190,000						190,000
R7000 Future Bonds			0						0
R7100 Prior Bonds	879,558		879,558						879,558
R8089 Reappropriated Paygo	49,529		49,529						49,529
			0						0
			0						0
Total Funds	1,119,087	0	1,119,087	0	0	0	0	0	1,119,087

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 2/1/19:

Expended 545,732
 Encumbered 395,844
Total \$941,576

PROJECT: New Park Road Bridge #125

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

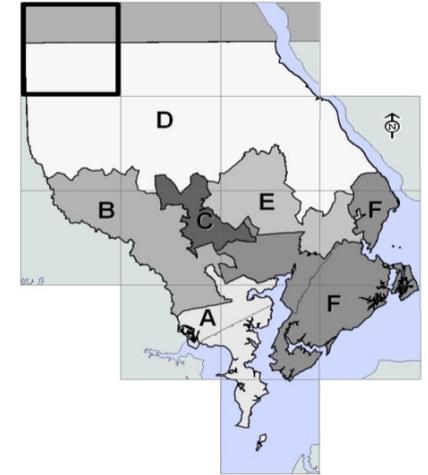
LOCATION: Norrisville

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	175,000		175,000						175,000
Land Acquisition	35,000		35,000						35,000
Construction	850,000		850,000						850,000
Inspection Fees	40,000		40,000						40,000
Equipment/Furnishing			0						0
Total Cost	1,100,000	0	1,100,000	0	0	0	0	0	1,100,000

FUNDING SCHEDULE

R8750 Paygo	175,000		175,000						175,000
R7100 Prior Bonds	925,000		925,000						925,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,100,000	0	1,100,000	0	0	0	0	0	1,100,000

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 2/1/19:

Expended 963,343
 Encumbered 72,938
Total \$1,036,281

PROJECT: Pleasantville Road Bridge #67

HIGHWAYS - BRIDGES

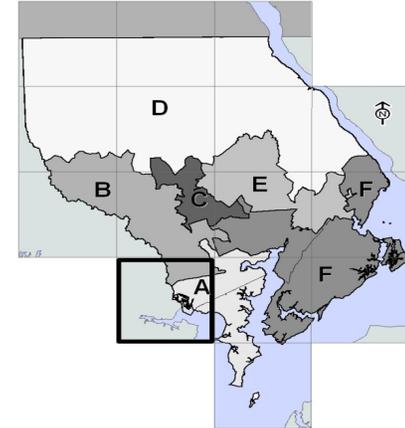
COUNCIL DISTRICT: B

LOCATION: Fallston

H194507

PROJECT DESCRIPTION / JUSTIFICATION:

This project is to improve the substructure for the bridge that carries Pleasantville Road over Winters Run. The existing abutments are showing heavy efflorescence and some cracking / delamination.



PROJECT SCHEDULE:

- FY20 - Design
- FY21 - R/W & Utilities
- FY23 - Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	225,000		225,000						225,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	225,000	0	225,000	0	0	0	0	0	225,000

FUNDING SCHEDULE

R8750 Paygo	225,000		225,000						225,000
R3140 Federal TEA-21			0						0
			0						0
			0						0
			0						0
Total Funds	225,000	0	225,000	0	0	0	0	0	225,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: Robinson Mill Road Bridge #154

HIGHWAYS - BRIDGES

COUNCIL DISTRICT: D

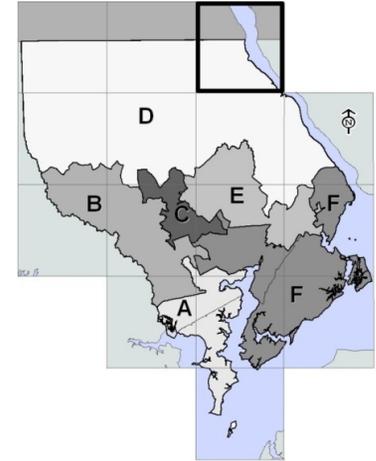
LOCATION: Dublin

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
 FY20 - Updated Construction Costs

PROJECT STATUS:

Design 100% complete. R/W Acquisitions complete.
 Advertise for Construction: Winter, 2018

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	125,000		125,000						125,000
Land Acquisition	125,000		125,000						125,000
Construction	1,815,000		1,815,000						1,815,000
Inspection Fees			0						0
Equip. / Furn.			0						0
Total Cost	2,065,000	0	2,065,000	0	0	0	0	0	2,065,000

FUNDING SCHEDULE

R8750 Paygo	465,000		465,000						465,000
R3140 Federal Aid	1,385,000		1,385,000						1,385,000
R7100 Prior Bonds	185,000		185,000						185,000
R8089 Reappropriated Paygo	30,000		30,000						30,000
R7000 Future Bonds			0						0
			0						0
Total Funds	2,065,000	0	2,065,000	0	0	0	0	0	2,065,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$5,162
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 313,570
 Encumbered 37,897
Total \$351,467

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR FY 2020	FY 2021	FIVE YEAR CAPITAL PROGRAM			
					FY 2022	FY 2023	FY 2024	FY 2025
HIGHWAYS FUND								
ROADWAYS								
FY 20 Funded Projects:								
Guardrails	1,675,000	775,000	150,000	150,000	150,000	150,000	150,000	150,000
Intersection Improvements	6,266,728	3,281,728	1,085,000	380,000	380,000	380,000	380,000	380,000
Schucks Road Improvements	1,043,368	893,368	150,000	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	5,750,000	500,000	250,000	0	5,000,000	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	1,300,000	650,000	50,000	120,000	120,000	120,000	120,000	120,000
Trimble Road (Joppa Road to Garnett Road)	2,350,000	0	25,000	200,000	50,000	0	0	2,075,000
Woodley Road Extension to MD 715	7,250,000	0	1,250,000	6,000,000	0	0	0	0
Outyear Projects:								
Carrs Mill Road (MD152-Grafton Shop Road)	200,000	0	0	100,000	0	100,000	0	0
Drainage Improvements	2,075,000	1,575,000	0	100,000	100,000	100,000	100,000	100,000
MD152/Oakmont Road/Port Lane	1,027,666	392,666	0	0	0	0	635,000	0
New Roads and Stormdrains	3,625,000	2,625,000	0	200,000	200,000	200,000	200,000	200,000
Stormdrain Rehabilitation	2,341,231	1,766,231	0	115,000	115,000	115,000	115,000	115,000
Tollgate Road/Vale Road Corridor	1,125,000	0	0	200,000	0	925,000	0	0
Traffic Signals	784,601	109,601	0	135,000	135,000	135,000	135,000	135,000
Open Projects:								
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	750,000	750,000	0	0	0	0	0	0
Roadways Total by Project	48,276,682	24,031,682	2,960,000	7,700,000	6,250,000	2,225,000	1,835,000	3,275,000
Paygo	21,330,374	11,320,374	225,000	1,600,000	1,150,000	2,125,000	1,735,000	3,175,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	13,735,000	0	2,735,000	6,000,000	5,000,000	0	0	0
Prior Bonds	7,131,707	7,131,707	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
Roadways Total by Fund	48,276,682	24,031,682	2,960,000	7,700,000	6,250,000	2,225,000	1,835,000	3,275,000

FY 20 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

Guardrails	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
Intersection Improvements	1,085,000	0	0	0	1,085,000	0	0	0	0	0	0	0	0
Schucks Road Improvements	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Spesutia Road Reconstruction/Upgrade	250,000	0	0	0	250,000	0	0	0	0	0	0	0	0
Traffic Calming, Bicycle & Road Safety Improvements	50,000	0	50,000	0	0	0	0	0	0	0	0	0	0
Trimble Road (Joppa Road to Garnett Road)	25,000	0	25,000	0	0	0	0	0	0	0	0	0	0
Woodley Road Extension to MD 715	1,250,000	0	0	0	1,250,000	0	0	0	0	0	0	0	0
SUB-TOTAL ROADWAYS	2,960,000	0	225,000	0	2,735,000	0							

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	60,000	10,000	70,000	10,000	10,000	10,000	10,000	10,000	120,000
Land Acquisition			0						0
Construction	685,000	135,000	820,000	135,000	135,000	135,000	135,000	135,000	1,495,000
Inspection Fees	30,000	5,000	35,000	5,000	5,000	5,000	5,000	5,000	60,000
Equipment/Furnishing			0						0
Total Cost	775,000	150,000	925,000	150,000	150,000	150,000	150,000	150,000	1,675,000

FUNDING SCHEDULE

R8750 Paygo	775,000	150,000	925,000	150,000	150,000	150,000	150,000	150,000	1,675,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	775,000	150,000	925,000	150,000	150,000	150,000	150,000	150,000	1,675,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	702,134
Encumbered	0
Total	\$702,134

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:

- FY19 - Vale Road at Carrs Mill Road Intersection R/W purchase
- FY20 - Bynum Road & Water Tower Way Roundabout
- FY20 - Bel Air S. Pkwy & Tollgate Roundabout

PROJECT STATUS:

Ongoing Program

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	305,000	40,000	345,000	10,000	10,000	10,000	10,000	10,000	395,000
Land Acquisition	105,000	10,000	115,000						115,000
Construction	2,601,728	975,000	3,576,728	350,000	350,000	350,000	350,000	350,000	5,326,728
Inspection Fees	270,000	60,000	330,000	20,000	20,000	20,000	20,000	20,000	430,000
Equipment/Furnishing			0						0
Total Cost	3,281,728	1,085,000	4,366,728	380,000	380,000	380,000	380,000	380,000	6,266,728

FUNDING SCHEDULE

R8750 Paygo	2,831,728		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
R7000 Future Bonds		1,085,000	1,085,000						1,085,000
			0						0
			0						0
Total Funds	3,281,728	1,085,000	4,366,728	380,000	380,000	380,000	380,000	380,000	6,266,728

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 30,272
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 2,687,062
 Encumbered 47,720
Total \$2,734,782

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.

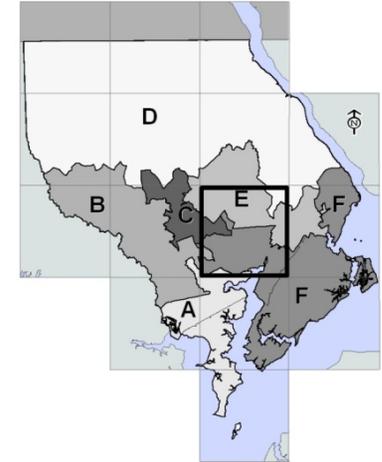
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

PROJECT SCHEDULE:

FY19 - R/W
 FY20 - Construction

PROJECT STATUS:

Design complete - 7 of 8 rights-of-way have been acquired.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	456,176		456,176						456,176
Land Acquisition	15,000		15,000						15,000
Construction	377,192	150,000	527,192						527,192
Inspection Fees	45,000		45,000						45,000
Equipment/Furnishing			0						0
Total Cost	893,368	150,000	1,043,368	0	0	0	0	0	1,043,368

FUNDING SCHEDULE

R8750 Paygo	437,192		437,192						437,192
R8750 Prior Paygo	56,176		56,176						56,176
R7100 Prior Bonds	400,000		400,000						400,000
R7000 Future Bonds		150,000	150,000						150,000
			0						0
			0						0
Total Funds	893,368	150,000	1,043,368	0	0	0	0	0	1,043,368

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$15,345
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial activity as of 2/1/19:

Expended 139,550
 Encumbered 0
 Total \$139,550

PROJECT: Spesutia Road Reconstruction/Upgrade

HIGHWAYS - ROADS

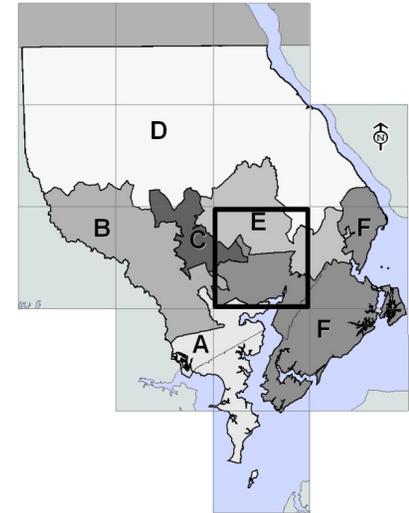
COUNCIL DISTRICT: F

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 22 - Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	500,000		500,000						500,000
Land Acquisition		250,000	250,000						250,000
Construction			0		5,000,000				5,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	500,000	250,000	750,000	0	5,000,000	0	0	0	5,750,000

FUNDING SCHEDULE

R8750 Paygo	500,000		500,000						500,000
R7000 Future Bonds		250,000	250,000		5,000,000				5,250,000
			0						0
			0						0
			0						0
Total Funds	500,000	250,000	750,000	0	5,000,000	0	0	0	5,750,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$6,975
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of

Expended 0
 Encumbered 0
 Total \$0

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	70,000	5,000	75,000	10,000	10,000	10,000	10,000	10,000	125,000
Land Acquisition			0						0
Construction	515,000	40,000	555,000	100,000	100,000	100,000	100,000	100,000	1,055,000
Inspection Fees	65,000	5,000	70,000	10,000	10,000	10,000	10,000	10,000	120,000
Equipment/Furnishing			0						0
Total Cost	650,000	50,000	700,000	120,000	120,000	120,000	120,000	120,000	1,300,000

FUNDING SCHEDULE

R8750 Paygo	650,000	50,000	700,000	120,000	120,000	120,000	120,000	120,000	1,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	650,000	50,000	700,000	120,000	120,000	120,000	120,000	120,000	1,300,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	537,713
Encumbered	0
Total	\$537,713

PROJECT: Trimble Road (Joppa Road to Garnett Road)

HIGHWAYS - ROADS

COUNCIL DISTRICT: A

LOCATION: Joppatowne

H204522

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.

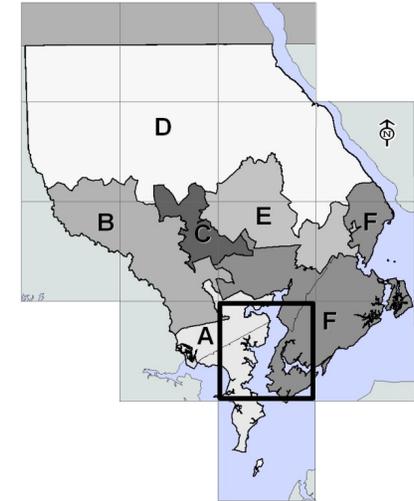
This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

PROJECT SCHEDULE:

- FY20 - Preliminary Engineering
- FY21 - Engineering
- FY22 - R/W
- FY24 - Construction

PROJECT STATUS:

Project is currently unfunded.



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		25,000	25,000	200,000					225,000
Land Acquisition			0		50,000				50,000
Construction			0					2,000,000	2,000,000
Inspection Fees			0					75,000	75,000
Equipment/Furnishing			0						0
Total Cost	0	25,000	25,000	200,000	50,000	0	0	2,075,000	2,350,000

FUNDING SCHEDULE

R8750 Paygo		25,000	25,000	200,000	50,000			2,075,000	2,350,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	25,000	25,000	200,000	50,000	0	0	2,075,000	2,350,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of

Expended	
Encumbered	
Total	\$0

PROJECT: Woodley Road Extension to MD 715

HIGHWAYS - ROADS

COUNCIL DISTRICT: F

LOCATION: Perryman

H204523

PROJECT DESCRIPTION / JUSTIFICATION:

This project will provide a connection from MD 715 to the existing dead end portion of Woodley Road. Currently, the only connection into the Perryman peninsula, south of the Amtrak railroad is by way of the Chelsea Road bridge and MD159. In the event of any emergencies along MD159 or the Amtrak bridge, there will be no way of accessing the Sod Run Sewage Treatment Plant or the eight large warehouses in the area. Additionally, traffic volumes along MD159 will continue to increase with ongoing development, further exasperating delays along the connections to US40. This proposed connection to MD715 will provide a critical second access to the area. The vast majority of this road (approx. 11,100 feet) has already been constructed by the Eastgate development, leaving approximately 1,000' of road to complete the connection.



PROJECT SCHEDULE:

FY20 - Design & Utility Relocation
 FY21 - Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		1,250,000	1,250,000						1,250,000
Land Acquisition			0						0
Construction			0	6,000,000					6,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	1,250,000	1,250,000	6,000,000	0	0	0	0	7,250,000

FUNDING SCHEDULE

R7000 Future Bonds		1,250,000	1,250,000	6,000,000					7,250,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	1,250,000	1,250,000	6,000,000	0	0	0	0	7,250,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$34,875
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

OUTYEAR PROJECTS

FY 20 - FY 24

PROJECT: Carrs Mill Road (MD152 - Grafton Shop Road)

HIGHWAYS - ROADS

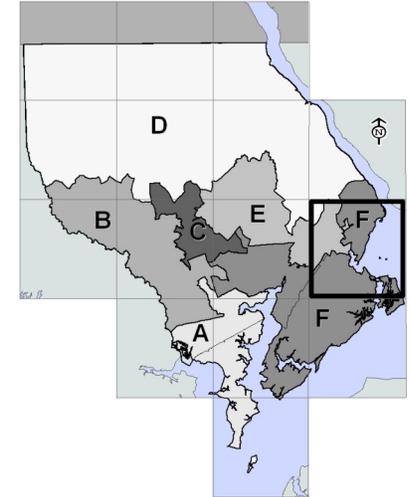
COUNCIL DISTRICT: F

LOCATION:

New

PROJECT DESCRIPTION / JUSTIFICATION:

Carrs Mill Road between MD152 and Grafton Shop Road is to be improved to adequately handle existing and projected traffic loads and to improve safety. The initial phase from MD152 to Belle Meade Road is complete. Recent improvements include new guardrails and the removal of several large rock outcroppings directly adjacent to the roadway. Future improvements will include a widening and realigning of the roadway to improve safety and a realignment of the intersection (s) of Vale Road with Carrs Mill 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:

- FY21 - Design
- FY23 - R/W & Utilities
- Outyears - Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	100,000					100,000
Land Acquisition			0			100,000			100,000
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	0	0	100,000	0	100,000	0	0	200,000

FUNDING SCHEDULE

R8750 Paygo			0	100,000		100,000			200,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	0	0	100,000	0	100,000	0	0	200,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	169,821
Encumbered	0
Total	\$169,821

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	90,000		90,000	10,000	10,000	10,000	10,000	10,000	140,000
Land Acquisition	22,250		22,250						22,250
Construction	1,375,000		1,375,000	80,000	80,000	80,000	80,000	80,000	1,775,000
Inspection Fees	87,750		87,750	10,000	10,000	10,000	10,000	10,000	137,750
Equipment/Furnishing			0						0
Total Cost	1,575,000	0	1,575,000	100,000	100,000	100,000	100,000	100,000	2,075,000

FUNDING SCHEDULE

R8750 Paygo	1,575,000		1,575,000	100,000	100,000	100,000	100,000	100,000	2,075,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,575,000	0	1,575,000	100,000	100,000	100,000	100,000	100,000	2,075,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 1,439,967
 Encumbered 4,635
Total \$1,444,602

PROJECT: MD152/Oakmont Road/Port Lane

HIGHWAYS - ROADS

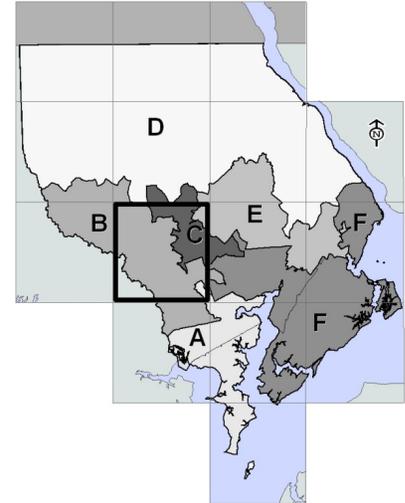
COUNCIL DISTRICT: B

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:

FY23 - Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	75,000		75,000						75,000
Land Acquisition	200,000		200,000						200,000
Construction	117,666		117,666				600,000		717,666
Inspection Fees			0				35,000		35,000
Equipment/Furnishing			0						0
Total Cost	392,666	0	392,666	0	0	0	635,000	0	1,027,666

FUNDING SCHEDULE

R8750 Paygo	400,000		400,000				635,000		1,035,000
R7100 Prior Bonds	732		732						732
R8750 Prior Paygo	(8,066)		(8,066)						(8,066)
			0						0
			0						0
			0						0
Total Funds	392,666	0	392,666	0	0	0	635,000	0	1,027,666

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 2/1/19:

Expended 117,666
 Encumbered 0
Total \$117,666

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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	185,000	185,000	185,000	185,000	185,000	3,325,000
Inspection Fees	75,000		75,000	10,000	10,000	10,000	10,000	10,000	125,000
Equipment/Furnishing			0						0
Total Cost	2,625,000	0	2,625,000	200,000	200,000	200,000	200,000	200,000	3,625,000

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
Total Funds	2,625,000	0	2,625,000	200,000	200,000	200,000	200,000	200,000	3,625,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	1,347,871
Encumbered	58,505
Total	\$1,406,376

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	300,000		300,000	5,000	5,000	5,000	5,000	5,000	325,000
Land Acquisition			0						0
Construction	1,326,231		1,326,231	100,000	100,000	100,000	100,000	100,000	1,826,231
Inspection Fees	140,000		140,000	10,000	10,000	10,000	10,000	10,000	190,000
Equipment/Furnishing			0						0
Total Cost	1,766,231	0	1,766,231	115,000	115,000	115,000	115,000	115,000	2,341,231

FUNDING SCHEDULE

R8750 Paygo	1,766,231		1,766,231	115,000	115,000	115,000	115,000	115,000	2,341,231
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,766,231	0	1,766,231	115,000	115,000	115,000	115,000	115,000	2,341,231

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	1,500,886
Encumbered	13,899
Total	\$1,514,785

PROJECT: Tollgate Road / Vale Road Corridor

HIGHWAYS - ROADS

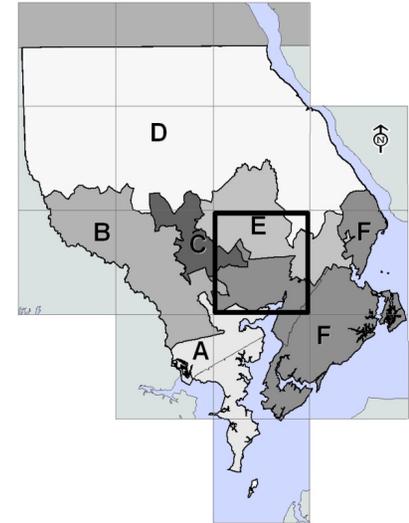
COUNCIL DISTRICT: B

LOCATION: Bel Air / Fallston

New

PROJECT DESCRIPTION / JUSTIFICATION:

The Tollgate Road - Vale Road corridor between Business Rt. 1 and Carrs Mill Road is to be improved to adequately handle existing and projected traffic volumes. The project, approximately 6,800' long, will improve the roadway section and safety of Vale and Tollgate Roads, which carry heavy volumes from subdivisions to the west of Bel Air to the Central Business District in Bel Air. Phase 1 is to realign the Vale Road intersection(s) with Carrs Mill Road and create a conventional single point intersection. Phase 2 is to realign the "S" curve near the intersection of Jenny Road. Add'l Phases are in the out 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:

FY21: Design for Phase 1 & Phase 2
 FY23: Construction

PROJECT STATUS:

New project.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0	200,000					200,000
Land Acquisition			0						0
Construction			0			850,000			850,000
Inspection Fees			0			75,000			75,000
Equipment/Furnishing			0						0
Total Cost	0	0	0	200,000	0	925,000	0	0	1,125,000

FUNDING SCHEDULE

R8750 Paygo			0	200,000		925,000			1,125,000
			0						0
			0						0
			0						0
Total Funds	0	0	0	200,000	0	925,000	0	0	1,125,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$0
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of

Expended 0
 Encumbered 0
Total \$0

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	5,000		5,000	10,000	10,000	10,000	10,000	10,000	55,000
Land Acquisition			0						0
Construction	104,601		104,601	120,000	120,000	120,000	120,000	120,000	704,601
Inspection Fees			0	5,000	5,000	5,000	5,000	5,000	25,000
Equipment/Furnishing			0						0
Total Cost	109,601	0	109,601	135,000	135,000	135,000	135,000	135,000	784,601

FUNDING SCHEDULE

R8750 Paygo	0		0	135,000	135,000	135,000	135,000	135,000	675,000
R8770 Reappropriated	109,601		109,601						109,601
			0						0
			0						0
			0						0
			0						0
Total Funds	109,601	0	109,601	135,000	135,000	135,000	135,000	135,000	784,601

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

OPEN/ACTIVE PROJECTS

PROJECT: Landis Circle - Foxborough Farms

HIGHWAYS - ROADS

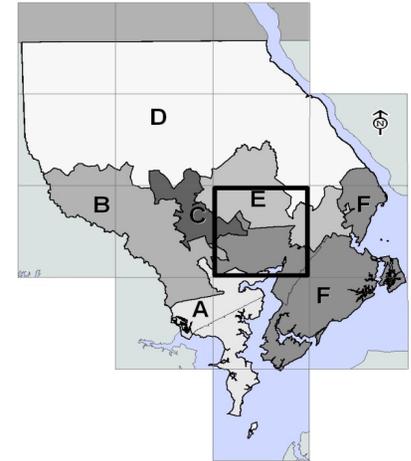
COUNCIL DISTRICT: E

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	320,000		320,000						320,000
Inspection Fees	30,000		30,000						30,000
Equipment/Furnishing			0						0
Total Cost	350,000	0	350,000	0	0	0	0	0	350,000

FUNDING SCHEDULE

R6999 Other	350,000		350,000						350,000
			0						0
			0						0
			0						0
			0						0
Total Funds	350,000	0	350,000	0	0	0	0	0	350,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	259,694
Encumbered	0
Total	\$259,694

PROJECT: Moores Mill Road

HIGHWAYS - ROADS

COUNCIL DISTRICT: MULTIPLE

LOCATION: Bel Air

H984519

PROJECT DESCRIPTION / JUSTIFICATION:

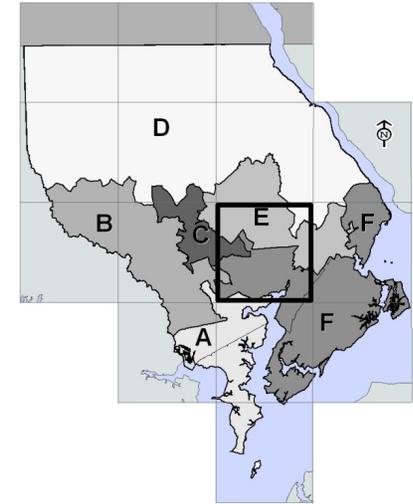
This project consists of improving Moores Mill Road between MD 924 and Southampton Middle School to address the safety and traffic volume increases due to the continuous development in and around the Bel Air area. Approximately 10,000 LF of closed section road is proposed to be built. Moores Mill Road 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
Total Cost	10,363,088	0	10,363,088	0	0	0	0	0	10,363,088

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
Total Funds	10,363,088	0	10,363,088	0	0	0	0	0	10,363,088

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 187,794
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 6,354,000
 Encumbered 2,761,873
Total \$9,115,873

PROJECT: Village of Scot's Fancy Starmount Lane

HIGHWAYS - ROADS

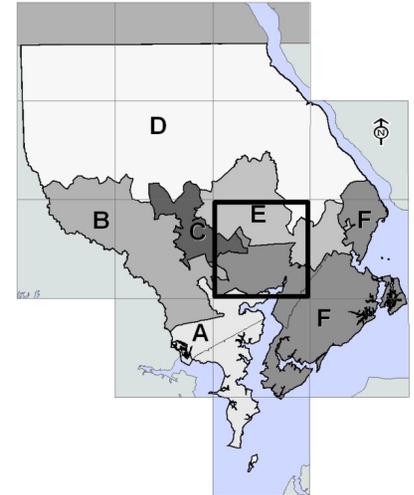
COUNCIL DISTRICT: E

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
Total Cost	750,000	0	750,000	0	0	0	0	0	750,000

FUNDING SCHEDULE

R1602 Special Assessment	750,000		750,000						750,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	750,000	0	750,000	0	0	0	0	0	750,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 715,128
 Encumbered 0
Total \$715,128

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
HIGHWAYS FUND								
RESURFACING								
FY 20 Funded Projects:								
Resurfacing Roadways	67,318,262	12,218,262	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Open Projects:								
Resurfacing Roadways 17	5,002,435	5,002,435	0	0	0	0	0	0
Resurfacing Roadways 16	5,292,842	5,292,842	0	0	0	0	0	0
Resurfacing Roadways 15	5,603,106	5,603,106	0	0	0	0	0	0
Resurfacing Roadways 14	6,661,509	6,661,509	0	0	0	0	0	0
Resurfacing Total by Project	89,878,154	34,778,154	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Paygo	87,302,762	32,202,762	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000
Reappropriated	2,575,392	2,575,392	0	0	0	0	0	0
Prior Paygo	0	0	0	0	0	0	0	0
Resurfacing Total by Fund	89,878,154	34,778,154	8,725,000	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000

FY 20 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

RESURFACING

Resurfacing Roadways	8,725,000	0	8,725,000	0	0		0	0	0	0	0	0	0
SUB-TOTAL RESURFACING	8,725,000	0	8,725,000	0									

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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	150,000	75,000	225,000	75,000	75,000	75,000	75,000	75,000	600,000
Land Acquisition			0						0
Construction	11,768,262	8,500,000	20,268,262	8,750,000	9,000,000	9,000,000	9,000,000	9,000,000	65,018,262
Inspection Fees	300,000	150,000	450,000	250,000	250,000	250,000	250,000	250,000	1,700,000
Equipment/Furnishing			0						0
Total Cost	12,218,262	8,725,000	20,943,262	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000	67,318,262

FUNDING SCHEDULE

R8750 Paygo	12,155,017	8,725,000	20,880,017	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000	67,255,017
R8750 Prior Paygo	63,245		63,245						63,245
R8089 Reappropriated Paygo			0						0
			0						0
			0						0
			0						0
Total Funds	12,218,262	8,725,000	20,943,262	9,075,000	9,325,000	9,325,000	9,325,000	9,325,000	67,318,262

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 4,791,447
 Encumbered 703,061
Total \$5,494,508

OPEN/ACTIVE PROJECTS

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	5,002,435	0	5,002,435	0	0	0	0	0	5,002,435

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
Total Funds	5,002,435	0	5,002,435	0	0	0	0	0	5,002,435

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 4,541,202
 Encumbered 77,250
Total \$4,618,452

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	5,292,842	0	5,292,842	0	0	0	0	0	5,292,842

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
Total Funds	5,292,842	0	5,292,842	0	0	0	0	0	5,292,842

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	4,927,551
Encumbered	55,289
Total	\$4,982,840

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	5,603,106	0	5,603,106	0	0	0	0	0	5,603,106

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
Total Funds	5,603,106	0	5,603,106	0	0	0	0	0	5,603,106

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	5,425,284
Encumbered	155,957
Total	\$5,581,241

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 closed and will be removed from CIP following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	6,661,509	0	6,661,509	0	0	0	0	0	6,661,509

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
Total Funds	6,661,509	0	6,661,509	0	0	0	0	0	6,661,509

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	6,661,509
Encumbered	0
Total	\$6,661,509

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET	FIVE YEAR CAPITAL PROGRAM				
			YEAR FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025

HIGHWAYS FUND

OTHER

FY 20 Funded Projects:

APG Gate Pilot	2,500,000	2,500,000	0	0	0	0	0	0	0
Efficiency Capital Investment Project	515,000	235,000	80,000	40,000	40,000	40,000	40,000	40,000	40,000
Fleet Maintenance Facility	6,226,000	716,000	5,510,000	0	0	0	0	0	0
Fleet Replacement	14,142,000	11,942,000	2,200,000	0	0	0	0	0	0
Highways Facilities Repair Program	2,127,000	1,007,000	100,000	620,000	100,000	100,000	100,000	100,000	100,000
Refresh Program	690,500	515,500	175,000	0	0	0	0	0	0
Safeguarding Business Operations	3,637,450	3,337,450	300,000	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	2,279,300	1,379,300	150,000	150,000	150,000	150,000	150,000	150,000	150,000

Open Projects:

Fuel Dispensing System Upgrade	950,000	950,000	0	0	0	0	0	0	0
Glen Elyn Culvert and Ponds Repair	392,500	392,500	0	0	0	0	0	0	0
Harford County Metro Area Network (HMAN)	930,000	930,000	0	0	0	0	0	0	0
Primrose Place	146,000	146,000							
700 MHz Wireless Radio System Equipment	1,600,000	1,600,000	0	0	0	0	0	0	0

Other Total by Project	36,135,750	25,650,750	8,515,000	810,000	290,000	290,000	290,000	290,000	290,000
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Paygo	26,805,696	22,761,718	3,093,978	190,000	190,000	190,000	190,000	190,000	190,000
Future Bonds	6,630,000	0	5,610,000	620,000	100,000	100,000	100,000	100,000	100,000
Prior Bonds	716,000	716,000	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	230,000	190,000	40,000	0	0	0	0	0	0
Developer	64,650	64,650	0	0	0	0	0	0	0
Other	1,381,239	1,610,217	(228,978)	0	0	0	0	0	0

Other Total by Fund	36,135,750	25,650,750	8,515,000	810,000	290,000	290,000	290,000	290,000	290,000
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FY 20 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	0	0	228,978	0	0	0	0	0	0	0	0	0	(228,978)
Efficiency Capital Investment Project	80,000	0	40,000	0	0	0	0	0	40,000	0	0	0	0
Fleet Maintenance Facility	5,510,000	0	0	0	5,510,000	0	0	0	0	0	0	0	0
Fleet Replacement	2,200,000	0	2,200,000	0	0	0	0	0	0	0	0	0	0
Highways Facilities Repair Program	100,000	0	0	0	100,000	0	0	0	0	0	0	0	0
Refresh Program	175,000	0	175,000	0	0	0	0	0	0	0	0	0	0
Safeguarding Business Operations	300,000	0	300,000	0	0	0	0	0	0	0	0	0	0
Sidewalks and Handicapped Ramps	150,000	0	150,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL OTHER	8,515,000	0	3,093,978	0	5,610,000	0	0	0	40,000	0	0	0	(228,978)

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 intersection of Perryman Road (MD159) and Old Philadelphia Road (MD7)

PROJECT STATUS:

Design of Perryman Roundabout

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	2,500,000		2,500,000						2,500,000
Total Cost	2,500,000	0	2,500,000	0	0	0	0	0	2,500,000

FUNDING SCHEDULE

R8750 Paygo - APG Gate PILOT	1,263,633	228,978	1,492,611						1,492,611
R6999 Other	1,236,367	(228,978)	1,007,389						1,007,389
			0						0
			0						0
			0						0
			0						0
Total Funds	2,500,000	0	2,500,000	0	0	0	0	0	2,500,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	365,699
Encumbered	1,929,288
Total	\$2,294,987

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	20,000	20,000	40,000						40,000
Land Acquisition									0
Construction	40,000	30,000	70,000	15,000	15,000	15,000	15,000	15,000	145,000
Inspection Fees									0
Equipment/Furnishing	175,000	30,000	205,000	25,000	25,000	25,000	25,000	25,000	330,000
Total Cost	235,000	80,000	315,000	40,000	40,000	40,000	40,000	40,000	515,000

FUNDING SCHEDULE

R8750 Paygo	90,000	40,000	130,000	40,000	40,000	40,000	40,000	40,000	330,000
R6999 Other	10,000		10,000						10,000
R3399 State Other	110,000	40,000	150,000						150,000
R8089 Reappropriated Paygo	25,000		25,000						25,000
			0						0
			0						0
Total Funds	235,000	80,000	315,000	40,000	40,000	40,000	40,000	40,000	515,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	90,515
Encumbered	0
Total	\$90,515

PROJECT: Fleet Maintenance Facility

HIGHWAYS - OTHER

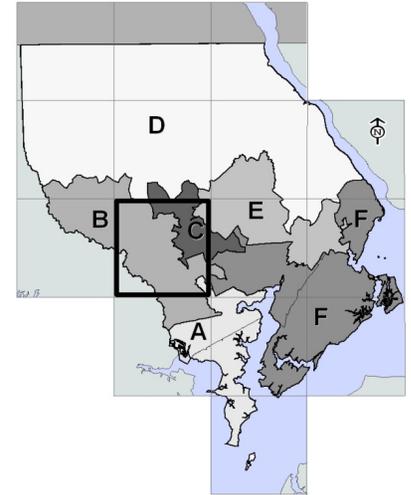
COUNCIL DISTRICT: C

LOCATION: Hickory

H184504

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides for engineering, design and construction of a new Fleet Maintenance/Radio Shop facility for Harford County and the Board of Education. This facility was listed as a high priority in the Countywide Facilities Master Plan Study.



PROJECT SCHEDULE:

FY19 - Design
 FY20 - Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	716,000		716,000						716,000
Land Acquisition			0						0
Construction		5,510,000	5,510,000						5,510,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	716,000	5,510,000	6,226,000	0	0	0	0	0	6,226,000

FUNDING SCHEDULE

R7100 Prior Bonds	716,000		716,000						716,000
R7000 Future Bonds		5,510,000	5,510,000						5,510,000
			0						0
			0						0
			0						0
Total Funds	716,000	5,510,000	6,226,000	0	0	0	0	0	6,226,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$173,705
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	11,942,000	2,200,000	14,142,000						14,142,000
Total Cost	11,942,000	2,200,000	14,142,000	0	0	0	0	0	14,142,000

FUNDING SCHEDULE

R8750 Paygo	11,942,000	2,200,000	14,142,000						14,142,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	11,942,000	2,200,000	14,142,000	0	0	0	0	0	14,142,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	10,836,716
Encumbered	864,339
Total	<u>\$11,701,055</u>

PROJECT: Highways 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 Highways buildings. The program would allow for the timely repair/replacement of deteriorating roofs, parking lots, HVAC equipment, windows, salt domes 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:

FY 21 - Salt Dome construction coordinated with Parks & Recreations construction of Norrisville Park

PROJECT STATUS:

Ongoing Program

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	125,000		125,000						125,000
Land Acquisition			0						0
Construction	827,000	100,000	927,000	620,000	100,000	100,000	100,000	100,000	1,947,000
Inspection Fees	55,000		55,000						55,000
Equipment/Furnishing			0						0
Total Cost	1,007,000	100,000	1,107,000	620,000	100,000	100,000	100,000	100,000	2,127,000

FUNDING SCHEDULE

R8750 Paygo	1,007,000		1,007,000						1,007,000
R7000 Future Bonds		100,000	100,000	620,000	100,000	100,000	100,000	100,000	1,120,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,007,000	100,000	1,107,000	620,000	100,000	100,000	100,000	100,000	2,127,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 2,790
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 926,311
 Encumbered 38,884
 Total \$965,195

PROJECT: Refresh Program

HIGHWAYS - OTHER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

H134511

PROJECT DESCRIPTION / JUSTIFICATION:

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



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	515,500	175,000	690,500						690,500
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	515,500	175,000	690,500	0	0	0	0	0	690,500

FUNDING SCHEDULE

R8750 Paygo	451,635	175,000	626,635						626,635
R8089 Reappropriated Paygo	63,865		63,865						63,865
			0						0
			0						0
			0						0
			0						0
Total Funds	515,500	175,000	690,500	0	0	0	0	0	690,500

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	417,626
Encumbered	8,937
Total	\$426,563

PROJECT: Safeguarding Business Operations

HIGHWAYS - OTHER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

H114507

PROJECT DESCRIPTION / JUSTIFICATION:

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



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	3,337,450	300,000	3,637,450						3,637,450
Total Cost	3,337,450	300,000	3,637,450	0	0	0	0	0	3,637,450

FUNDING SCHEDULE

R8750 Paygo	3,337,450	300,000	3,637,450						3,637,450
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	3,337,450	300,000	3,637,450	0	0	0	0	0	3,637,450

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	2,974,691
Encumbered	227,873
Total	\$3,202,564

PROJECT: Sidewalks and Handicapped Ramps

HIGHWAYS - OTHER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

H104512

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides for the construction of sidewalks to interconnect communities, schools, and commercial areas. The project will benefit air quality and congestion by encouraging local walking trips and will improve safety by separating pedestrians and motor vehicles.

This project is consistent with the Master Planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.



PROJECT SCHEDULE:

Ongoing Program

PROJECT STATUS:

Ongoing Program

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	85,000	10,000	95,000	10,000	10,000	10,000	10,000	10,000	145,000
Land Acquisition	30,000	5,000	35,000	5,000	5,000	5,000	5,000	5,000	60,000
Construction	1,189,300	125,000	1,314,300	125,000	125,000	125,000	125,000	125,000	1,939,300
Inspection Fees	75,000	10,000	85,000	10,000	10,000	10,000	10,000	10,000	135,000
Equipment/Furnishing			0						0
Total Cost	1,379,300	150,000	1,529,300	150,000	150,000	150,000	150,000	150,000	2,279,300

FUNDING SCHEDULE

R8750 Paygo	1,000,000	150,000	1,150,000	150,000	150,000	150,000	150,000	150,000	1,900,000
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
Total Funds	1,379,300	150,000	1,529,300	150,000	150,000	150,000	150,000	150,000	2,279,300

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A
 Annual Operating/Maintenance Cost: N/A

Financial Activity as of 2/1/19:

Expended 920,485
 Encumbered 22,835

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
Total Cost	950,000	0	950,000	0	0	0	0	0	950,000

FUNDING SCHEDULE

R8750 Paygo	950,000		950,000						950,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	950,000	0	950,000	0	0	0	0	0	950,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	949,273
Encumbered	0
Total	\$949,273

PROJECT: Glen Elyn Culvert and Ponds Repair

HIGHWAYS - OTHER

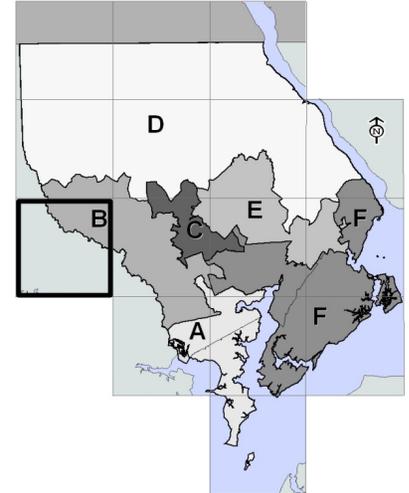
COUNCIL DISTRICT: B

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	392,500	0	392,500	0	0	0	0	0	392,500

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
Total Funds	392,500	0	392,500	0	0	0	0	0	392,500

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	930,000	0	930,000						930,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	930,000	0	930,000	0	0	0	0	0	930,000

FUNDING SCHEDULE

R8750 Paygo	930,000		930,000						930,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	930,000	0	930,000	0	0	0	0	0	930,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	925,809
Encumbered	4,143
Total	\$929,952

PROJECT: Primrose Place

HIGHWAYS - OTHER

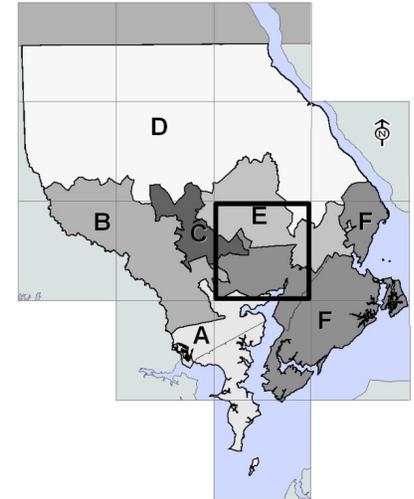
COUNCIL DISTRICT: F

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	146,000		146,000						146,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	146,000	0	146,000	0	0	0	0	0	146,000

FUNDING SCHEDULE

R1602 Special Assessment	146,000		146,000						146,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	146,000	0	146,000	0	0	0	0	0	146,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	132,605
Encumbered	0
Total	\$132,605

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:

This project is completed and will be removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,600,000	0	1,600,000	0	0	0	0	0	1,600,000

FUNDING SCHEDULE

R8750 Paygo	1,600,000		1,600,000						1,600,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,600,000	0	1,600,000	0	0	0	0	0	1,600,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	1,600,000
Encumbered	0
Total	\$1,600,000

**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
WATER & SEWER FUND								
WATER PROJECTS								
<u>FY 20 Funded Projects:</u>								
Abingdon Road Water	3,300,000	8,300,000	(5,000,000)	0	0	0	0	0
Abingdon Water Treatment Plant pH Control System	2,750,000	250,000	2,500,000	0	0	0	0	0
Abingdon WTP Switch Gear /Generator	1,650,000	0	150,000	1,500,000	0	0	0	0
Central W&S Laboratory	85,000	0	85,000	0	0	0	0	0
Efficiency Capital Investment Projects	430,000	365,000	65,000	0	0	0	0	0
Fleet Maintenance Facility	1,220,000	140,000	1,080,000	0	0	0	0	0
Fleet Replacement	10,122,000	5,062,000	1,060,000	800,000	800,000	800,000	800,000	800,000
Havre de Grace Water Treatment Plant Upgrade	1,150,000	150,000	1,000,000	0	0	0	0	0
Infrastructure Management System Enhancements	425,000	350,000	75,000	0	0	0	0	0
Oak Grove Booster Station	330,000	0	330,000	0	0	0	0	0
Refresh Program	717,000	542,000	175,000	0	0	0	0	0
Renewal and Replacement Water Infrastructure	2,100,000	700,000	1,000,000	100,000	0	300,000	0	0
Replacement of Water Booster Station SCADA	2,250,000	1,500,000	750,000	0	0	0	0	0
Safeguarding Business Operations	3,841,650	3,586,650	255,000	0	0	0	0	0
SCADA Information Management Systems	4,750,000	250,000	850,000	100,000	800,000	250,000	2,500,000	0
Tank Painting	6,400,000	1,600,000	800,000	800,000	800,000	800,000	800,000	800,000
Water & Sewer Facilities Repair Program	1,500,000	0	250,000	250,000	250,000	250,000	250,000	250,000
Water & Sewer Infrastructure Improvements Projects	6,100,000	1,000,000	100,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Water Meter Upgrade	2,960,000	1,460,000	250,000	250,000	250,000	250,000	250,000	250,000
<u>Outyear Projects:</u>								
Perryman Wellfield Improvements	3,850,000	350,000	0	0	0	0	3,500,000	0
US 40 Water Main Replacement	1,700,000	200,000	0	500,000	0	500,000	0	500,000
Water Tank Design and Construction	3,700,000	300,000	0	0	0	0	400,000	3,000,000
Water Zone Improvements	1,430,000	830,000	0	200,000	0	200,000	0	200,000
<u>Open Projects:</u>								
Abingdon WTP Expansion	76,535,000	76,535,000	0	0	0	0	0	0
City of Baltimore - Deer Creek PS & Valve Improvements	3,700,000	3,700,000	0	0	0	0	0	0
City of Baltimore - Raw Water Supply	3,300,000	3,300,000	0	0	0	0	0	0
Construction Unanticipated 12	300,000	300,000	0	0	0	0	0	0
Construction Unanticipated 15	460,000	460,000	0	0	0	0	0	0
Fuel Dispensing Upgrade	120,000	120,000	0	0	0	0	0	0
Harford County Metro Area Network (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
Perryman GAC Plant Improvements	1,000,000	1,000,000	0	0	0	0	0	0
700 MHz Wireless Radio System Equipment	649,000	649,000	0	0	0	0	0	0
Tank Painting FY 15	800,000	800,000	0	0	0	0	0	0
Tank Painting FY 16	700,000	700,000	0	0	0	0	0	0
Underground & Aboveground Storage Tank Management	50,000	50,000	0	0	0	0	0	0
US 40 and Rt. 150 SHA Water Relocation	3,900,000	3,900,000	0	0	0	0	0	0
Water & 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
Water Total by Project	158,744,650	122,919,650	5,775,000	5,500,000	3,900,000	4,350,000	9,500,000	6,800,000
Paygo	46,236,284	20,661,284	3,675,000	3,150,000	3,650,000	3,300,000	5,750,000	6,050,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	8,550,000	0	400,000	2,350,000	250,000	1,050,000	3,750,000	750,000
Prior Bonds	101,232,460	99,572,460	1,660,000	0	0	0	0	0
Reappropriated	2,045,906	2,045,906	0	0	0	0	0	0
State	380,000	340,000	40,000	0	0	0	0	0
Developer	300,000	300,000	0	0	0	0	0	0
Water Total by Fund	158,744,650	122,919,650	5,775,000	5,500,000	3,900,000	4,350,000	9,500,000	6,800,000

FY 20 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 & SEWER FUND</u>													
<u>WATER PROJECTS</u>													
Abingdon Road Water	(5,000,000)	0	0	(5,000,000)	0	0	0	0	0	0	0	0	0
Abingdon Water Treatment Plant pH Control System	2,500,000	0	0	2,500,000	0	0	0	0	0	0	0	0	0
Abingdon WTP Switch Gear/Generator	150,000	0	0	0	150,000	0	0	0	0	0	0	0	0
Central W&S Laboratory	85,000	0	85,000	0	0	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
Fleet Maintenance Facility	1,080,000	0	0	1,080,000	0	0	0	0	0	0	0	0	0
Fleet Replacement	1,060,000	0	1,060,000	0	0	0	0	0	0	0	0	0	0
Havre de Grace Water Treatment Plant Upgrade	1,000,000	0	0	1,000,000	0	0	0	0	0	0	0	0	0
Infrastructure Management System Enhancements	75,000	0	75,000	0	0	0	0	0	0	0	0	0	0
Oak Grove Booster Station	330,000	0	0	330,000	0	0	0	0	0	0	0	0	0
Refresh Program	175,000	0	175,000	0	0	0	0	0	0	0	0	0	0
Renewal and Replacement Water Infrastructure	1,000,000	0	0	1,000,000	0	0	0	0	0	0	0	0	0
Replacement of Water Booster Station SCADA	750,000	0	0	750,000	0	0	0	0	0	0	0	0	0
Safeguarding Busines Operations	255,000	0	255,000	0	0	0	0	0	0	0	0	0	0
SCADA Information Management Systems	850,000	0	850,000	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
Water and Sewer Facilities Repair Program	250,000	0	0	0	250,000	0	0	0	0	0	0	0	0
Water and Sewer Infrastructure Improvements Projects	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Water Meter Upgrade	250,000	0	250,000	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL WATER PROJECTS	5,775,000	0	3,675,000	1,660,000	400,000	0	0	0	40,000	0	0	0	0

PROJECT: Abingdon Road Water

WATER

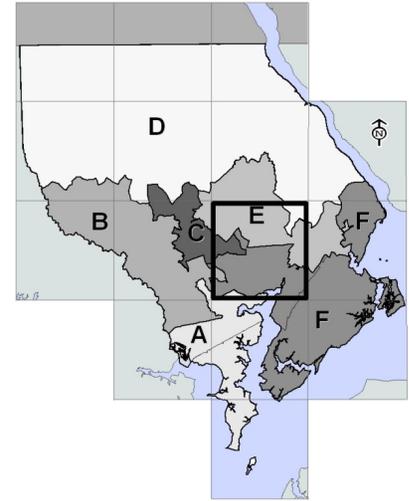
COUNCIL DISTRICT: MULTIPLE

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:

On hold due to change in water demands
 Pursuing CSX crossing only
 Design and construction over CSX to be coordinated with new highway bridge. Reallocate \$5m in FY 20.

PROJECT STATUS:

Reallocate prior bonds to:	2,500,000	Abingdon WTP Ph Control - W196130
	1,080,000	Fleet Maintenance Facility - O186037
	1,000,000	HdG WTP Upgrade - W196141
	330,000	Oak Grove Booster Station - New
	90,000	Replacement of Water Booster Station SCADA - W156492
	<u>5,000,000</u>	

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	250,000		250,000						250,000
Land Acquisition			0						0
Construction	8,050,000	(5,000,000)	3,050,000						3,050,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	8,300,000	(5,000,000)	3,300,000	0	0	0	0	0	3,300,000

FUNDING SCHEDULE

R7100 Prior Bonds	8,300,000	(5,000,000)	3,300,000						3,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	8,300,000	(5,000,000)	3,300,000	0	0	0	0	0	3,300,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$92,070
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 271,540
 Encumbered 22,785
Total \$294,325

PROJECT: Abingdon Water Treatment Plant pH control System

**WATER
W196130**

COUNCIL DISTRICT: MULTIPLE LOCATION: Various

PROJECT DESCRIPTION / JUSTIFICATION:

This project is for the design of a new pH and alkalinity control system at the Abingdon Water Treatment Plant.

PROJECT SCHEDULE:

Design Spring of 2019
Construction Fall 2019 through Spring of 2020



PROJECT STATUS:

Prior Bonds reallocated from Abingdon Road Water (W086687)

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	250,000		250,000						250,000
Land Acquisition			0						0
Construction		2,500,000	2,500,000						2,500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	250,000	2,500,000	2,750,000	0	0		0	0	2,750,000

FUNDING SCHEDULE

R7100 Prior Bonds	250,000	2,500,000	2,750,000						2,750,000
			0						0
			0						0
Total Funds	250,000	2,500,000	2,750,000	0	0		0	0	2,750,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$76,725
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 0
Encumbered 0
Total \$0

PROJECT: Abingdon WTP Switch Gear/Generator Upgrade

WATER

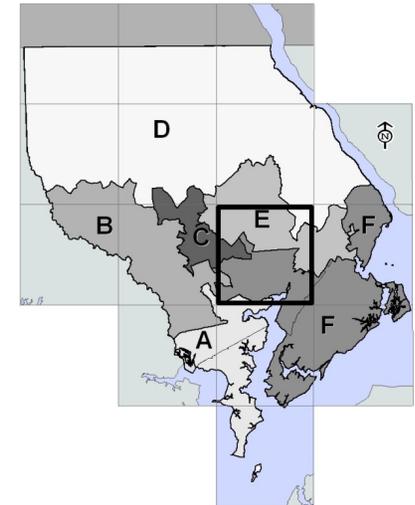
COUNCIL DISTRICT: F

LOCATION: Abingdon

W205424

PROJECT DESCRIPTION / JUSTIFICATION:

The electrical feed switch gear and main breaker system into the Abingdon Water Treatment Plant was recently evaluated and spare units are no longer available. A critical failure could put the plant operation in jeopardy. This project will design and build a new switch gear and back up generator system.



PROJECT SCHEDULE:

Design FY 2020
Construction FY 2021

PROJECT STATUS:

New-design scope development

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 20223	FY 2024	FY 2025	
Engineering/Design		150,000	150,000						150,000
Land Acquisition			0						0
Construction			0	1,500,000					1,500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	150,000	150,000	1,500,000	0	0	0	0	1,650,000

FUNDING SCHEDULE

R7000 Future Bonds		150,000	150,000	1,500,000					1,650,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	150,000	150,000	1,500,000	0	0	0	0	1,650,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$4,185
Annual Operating/Maintenance Cost:
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended
Encumbered 0
Total \$0

PROJECT: Central W&S Laboratory

WATER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

W205425

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides funds for the study and design of a central consolidate 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 & Sewer central office building.

PROJECT SCHEDULE:



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		85,000	85,000						85,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0		85,000		0	0	0	0	85,000

FUNDING SCHEDULE

R8750 Paygo		85,000	85,000						85,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	85,000	85,000		0	0	0	0	85,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/18:

Expended	120,000
Encumbered	0
Total	\$120,000

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 19-20 Complete lighting retrofit at Abingdon 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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	25,000	25,000	50,000						50,000
Land Acquisition			0						0
Construction	195,000	15,000	210,000						210,000
Inspection Fees			0						0
Equipment/Furnishing	145,000	25,000	170,000						170,000
Total Cost	365,000	65,000	430,000	0	0	0	0	0	430,000

FUNDING SCHEDULE

R3399 State Other	340,000	40,000	380,000						380,000
R8750 Paygo	25,000	25,000	50,000						50,000
			0						0
			0						0
			0						0
			0						0
Total Funds	365,000	65,000	430,000	0	0	0	0	0	430,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	233,192
Encumbered	0
Total	\$233,192

PROJECT: Fleet Maintenance Facility

WATER

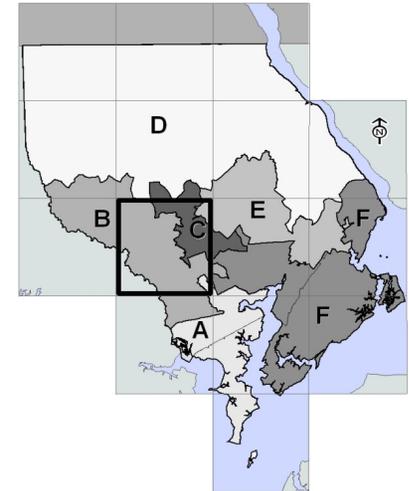
COUNCIL DISTRICT: C

LOCATION: Hickory

0186037

PROJECT DESCRIPTION / JUSTIFICATION:

This project provides for engineering, design and construction of a new Fleet Maintenance/Radio Shop facility for Harford County and the Board of Education. The facility was listed as a high priority in the Countywide Facilities Master Plan Study.



PROJECT SCHEDULE:

FY19 - Design
FY20 - Construction

PROJECT STATUS:

Prior Bonds reallocated from Abingdon Road Water (W086687)

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	140,000		140,000						140,000
Land Acquisition			0						0
Construction		1,080,000	1,080,000						1,080,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	140,000	1,080,000	1,220,000	0	0	0	0	0	1,220,000

FUNDING SCHEDULE

	Prior Appropriation	FY 2020 Budget	Appropriation Total	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	TOTAL PROJECT COST
R7100 Prior Bonds	140,000	1,080,000	1,220,000						1,220,000
			0						0
			0						0
			0						0
			0						0
Total Funds	140,000	1,080,000	1,220,000	0	0	0	0	0	1,220,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$34,038
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 0
Encumbered 0
Total \$0

PROJECT: Fleet Replacement

WATER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

0126727

PROJECT DESCRIPTION / JUSTIFICATION:

Provide funds for the replacement of essential vehicles and equipment to enable using agencies to perform their critical jobs. Funds will allow the County to maintain a consistent rotation, which lowers maintenance costs, fuel efficiency, and fleet availability. Units to be replaced are on average 10 years old which have high mileage and are unreliable.

PROJECT SCHEDULE:

This project will be managed/controlled by the Department of Procurement, Fleet Management Division.



PROJECT STATUS:

This project is ongoing.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	5,062,000	1,060,000	6,122,000	800,000	800,000	800,000	800,000	800,000	10,122,000
Total Cost	5,062,000	1,060,000	6,122,000	800,000	800,000	800,000	800,000	800,000	10,122,000

FUNDING SCHEDULE

R8750 Paygo	4,928,621	1,060,000	5,988,621	800,000	800,000	800,000	800,000	800,000	9,988,621
R8770 Reappropriated	133,379		133,379						133,379
			0						0
			0						0
			0						0
			0						0
Total Funds	5,062,000	1,060,000	6,122,000	800,000	800,000	800,000	800,000	800,000	10,122,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	3,491,971
Encumbered	226,010
Total	\$3,717,981

PROJECT: Havre de Grace Water Treatment Plant Upgrade

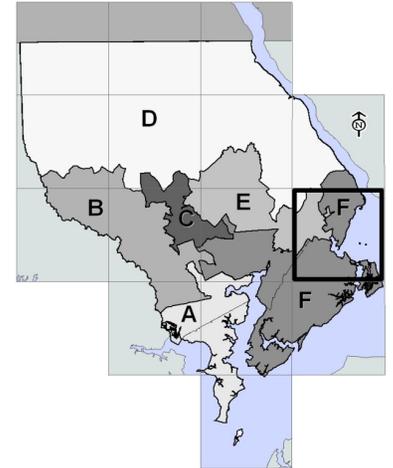
**WATER
W196141**

COUNCIL DISTRICT: F

LOCATION: Havre de Grace

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 Spring through Summer 2019
FY 20 Construction

PROJECT STATUS:

Prior Bonds reallocated from Abingdon Road Water (W086687)

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0						0
Construction		1,000,000	1,000,000					0	1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	150,000	1,000,000	1,150,000	0	0	0	0	0	1,150,000

FUNDING SCHEDULE

R7100 Prior Bonds	150,000	1,000,000	1,150,000						1,150,000
R7000 Future Bonds			0					0	0
			0						0
			0						0
			0						0
Total Funds	150,000	1,000,000	1,150,000	0	0	0	0	0	1,150,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$32,085
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 5,728
Encumbered 0
Total \$5,728

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:

Spring 2019 Implementation of City Works

PROJECT STATUS:

This project is on track from completion in FY 2020

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	350,000	75,000	425,000						425,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	350,000	75,000	425,000	0	0	0	0	0	425,000

FUNDING SCHEDULE

R8750 Paygo	143,013	75,000	218,013						218,013
R8089 Reappropriated Paygo	206,987		206,987						206,987
			0						0
			0						0
			0						0
			0						0
Total Funds	350,000	75,000	425,000	0	0	0	0	0	425,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 74,980
 Encumbered 75,917
Total \$150,897

PROJECT: Oak Grove Booster Station

COUNCIL DISTRICT: MULTIPLE

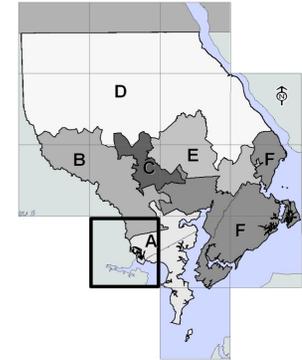
LOCATION: Magnolia

WATER

W205426

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

Prior Bonds reallocated from Abingdon Road Water (W086687)

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		330,000	330,000						330,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	330,000	330,000	0	0	0	0	0	330,000

FUNDING SCHEDULE

R7100 Prior Bonds		330,000	330,000						330,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	0	330,000	330,000	0	0	0	0	0	330,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$9,207
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of

Expended 0
 Encumbered 0
 Total \$0

PROJECT: Refresh Program

WATER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	542,000	175,000	717,000						717,000
Total Cost	542,000	175,000	717,000	0	0	0	0	0	717,000

FUNDING SCHEDULE

R8750 Paygo	542,000	175,000	717,000						717,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	542,000	175,000	717,000	0	0	0	0	0	717,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	449,126
Encumbered	8,511
Total	\$457,637

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 into 2019
 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
 Prior Bonds reallocated from Lower Bynum Run Interceptor Phase 6&7

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction	500,000	1,000,000	1,500,000	100,000		300,000			1,900,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	700,000	1,000,000	1,700,000	100,000	0	300,000	0	0	2,100,000

FUNDING SCHEDULE

R8750 Paygo	400,000		400,000						400,000
R7100 Prior Bonds	300,000	1,000,000	1,300,000						1,300,000
R7000 Future Bonds			0	100,000		300,000			400,000
			0						0
			0						0
			0						0
Total Funds	700,000	1,000,000	1,700,000	100,000	0	300,000	0	0	2,100,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$36,270
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 8,983
 Encumbered 142,807
Total \$151,790

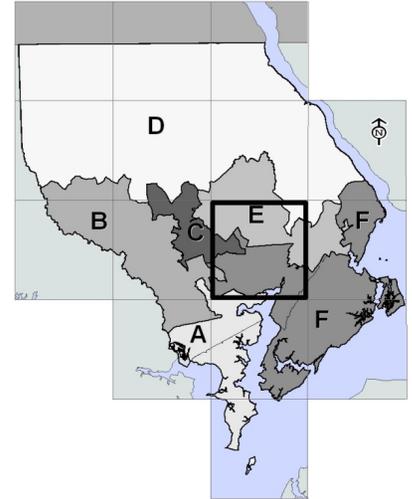
PROJECT: Replacement of Water Booster Station SCADA

**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:

Prior Bonds reallocated from:

90,000	Abingdon Road Water - W086687
660,000	Lower Bynum Run Interceptor Phas 6&7 - S096703
<u>750,000</u>	

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction	1,200,000	750,000	1,950,000						1,950,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,500,000	750,000	2,250,000	0	0	0	0	0	2,250,000

FUNDING SCHEDULE

R7100 Prior Bonds	1,200,000	750,000	1,950,000						1,950,000
R8750 Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,500,000	750,000	2,250,000	0	0	0	0	0	2,250,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$54,405
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	191,775
Encumbered	127,777
Total	<u><u>\$319,552</u></u>

PROJECT: Safeguarding Business Operations

WATER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Countywide

0116716

PROJECT DESCRIPTION / JUSTIFICATION:

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



PROJECT SCHEDULE:

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing	3,586,650	255,000	3,841,650						3,841,650
Total Cost	3,586,650	255,000	3,841,650	0	0	0	0	0	3,841,650

FUNDING SCHEDULE

R8750 Paygo	3,586,650	255,000	3,841,650						3,841,650
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	3,586,650	255,000	3,841,650	0	0	0	0	0	3,841,650

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	3,150,566
Encumbered	270,474
Total	\$3,421,040

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 spring 2019
 Installation and integration of new data management system
 Programming and reports development

PROJECT STATUS:

Study/design scope development spring 2019

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	250,000		250,000						250,000
Land Acquisition			0						0
Construction		850,000	850,000	100,000	800,000	250,000	2,500,000		4,500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	250,000	850,000	1,100,000	100,000	800,000	250,000	2,500,000	0	4,750,000

FUNDING SCHEDULE

R8750 Paygo	250,000	850,000	1,100,000						1,100,000
			0	100,000	800,000	250,000	2,500,000		3,650,000
			0						0
			0						0
			0						0
			0						0
Total Funds	250,000	850,000	1,100,000	100,000	800,000	250,000	2,500,000	0	4,750,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	58,564
Total	\$58,564

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,600,000	800,000	2,400,000	800,000	800,000	800,000	800,000	800,000	6,400,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,600,000	800,000	2,400,000	800,000	800,000	800,000	800,000	800,000	6,400,000

FUNDING SCHEDULE

R8750 Paygo	1,600,000	800,000	2,400,000	800,000	800,000	800,000	800,000	800,000	6,400,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,600,000	800,000	2,400,000	800,000	800,000	800,000	800,000	800,000	6,400,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	217,397
Encumbered	53,971
Total	\$271,368

PROJECT: Water and Sewer Facilities Repair Program

WATER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

W205427

PROJECT DESCRIPTION / JUSTIFICATION:

This project will allow for an umbrella facilities repair fund for County Water & Sewer 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:

PROJECT STATUS:

Ongoing Program

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000

FUNDING SCHEDULE

R7000 Future Bonds		250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	250,000	1,500,000						

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$6,975
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of

Expended
 Encumbered
 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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction	800,000	100,000	900,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,900,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,000,000	100,000	1,100,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,100,000

FUNDING SCHEDULE

R8750 Paygo	700,000	100,000	800,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,800,000
R6330 Developer	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,000,000	100,000	1,100,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,100,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 9/30/18:

Expended	0
Encumbered	0
Total	\$0

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:

Design and construction 2019
 This is an ongoing project



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	520,000	250,000	770,000	250,000	250,000	250,000	250,000	250,000	2,020,000
Inspection Fees			0						0
Equipment/Furnishing	940,000		940,000						940,000
Total Cost	1,460,000	250,000	1,710,000	250,000	250,000	250,000	250,000	250,000	2,960,000

FUNDING SCHEDULE

R8750 Paygo	1,460,000	250,000	1,710,000	250,000	250,000	250,000	250,000	250,000	2,960,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,460,000	250,000	1,710,000	250,000	250,000	250,000	250,000	250,000	2,960,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	1,210,272
Encumbered	15,524
Total	\$1,225,796

OUTYEAR PROJECTS

FY 20 - FY 24

PROJECT: Perryman Wellfield Improvements

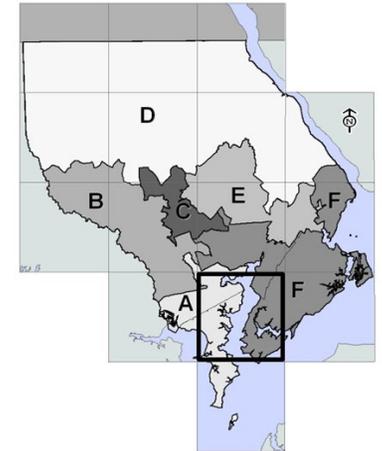
**WATER
W186056**

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
Design in 2019

PROJECT STATUS:

Design scope development; design NTP in late 2019

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	350,000		350,000						350,000
Land Acquisition			0						0
Construction			0				3,500,000		3,500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	350,000	0	350,000	0	0	0	3,500,000	0	3,850,000

FUNDING SCHEDULE

R8750 Paygo	200,000		200,000			0			200,000
R7100 Prior Bonds	150,000		150,000						150,000
R7000 Future Bonds			0				3,500,000		3,500,000
			0						0
			0						0
			0						0
Total Funds	350,000	0	350,000	0	0	0	3,500,000	0	3,850,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$4,185
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): 0

Financial Activity as of 2/1/19:

Expended 0
Encumbered 0
Total \$0

PROJECT: US 40 Water Main Replacement

WATER

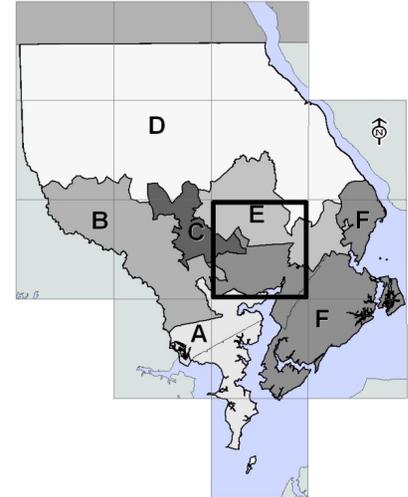
COUNCIL DISTRICT: MULTIPLE

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 FY21

PROJECT STATUS:

Study/design scope development spring 2019

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction			0	500,000		500,000		500,000	1,500,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	200,000	0	200,000	500,000	0	500,000	0	500,000	1,700,000

FUNDING SCHEDULE

R7100 Prior Bonds	200,000		200,000						200,000
R7000 Future Bonds			0	500,000		500,000		500,000	1,500,000
			0						0
			0						0
			0						0
			0						0
Total Funds	200,000	0	200,000	500,000	0	500,000	0	500,000	1,700,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$5,580

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction			0				400,000	3,000,000	3,400,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	300,000	0	300,000	0	0	0	400,000	3,000,000	3,700,000

FUNDING SCHEDULE

R8750 Paygo	300,000		300,000				400,000	3,000,000	3,700,000
			0						0
			0						0
			0						0
			0						0
Total Funds	300,000	0	300,000	0	0	0	400,000	3,000,000	3,700,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

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:

Harford Commons meter vault and backflow prevention design/construction 2019



PROJECT STATUS:

This is an ongoing project to maintain the condition of critical water infrastructure

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction	730,000		730,000	200,000		200,000		200,000	1,330,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	830,000	0	830,000	200,000	0	200,000	0	200,000	1,430,000

FUNDING SCHEDULE

R8089 Reappropriated Paygo	300,000		300,000						300,000
R8750 Paygo	530,000		530,000	200,000		200,000		200,000	1,130,000
			0						0
			0						0
			0						0
Total Funds	830,000	0	830,000	200,000	0	200,000	0	200,000	1,430,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	149,399
Encumbered	0
Total	\$149,399

OPEN/ACTIVE PROJECTS

PROJECT: Abingdon WTP Expansion

WATER

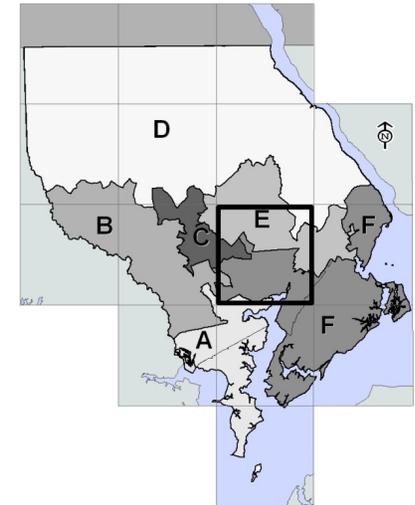
COUNCIL DISTRICT: F

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:

Plant construction completed 2012
 Administrative Building completed 2014

PROJECT STATUS:

This project has been closed and will be removed from the CIP after completion of Audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 20223	FY 2024	FY 2025	
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
Total Cost	76,535,000	0	76,535,000	0	0	0	0	0	76,535,000

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
Total Funds	76,535,000	0	76,535,000	0	0	0	0	0	76,535,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 2,135,256
 Annual Operating/Maintenance Cost: >\$100,000
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 75,986,192
 Encumbered 0
Total 75,986,192

PROJECT: City of Baltimore - Deer Creek Pump Station and Valve Improvements

WATER

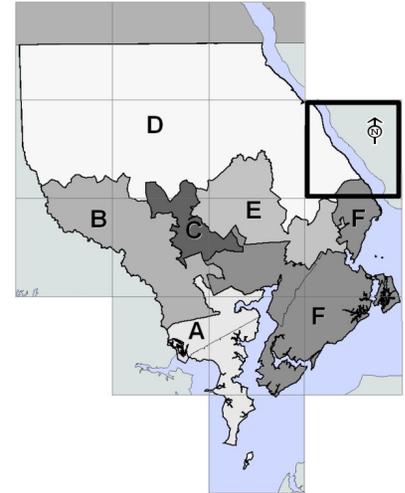
COUNCIL DISTRICT: D

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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	3,700,000	0	3,700,000	0	0	0	0	0	3,700,000

FUNDING SCHEDULE

R7100 Prior Bonds	3,700,000		3,700,000						3,700,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	3,700,000	0	3,700,000	0	0	0	0	0	3,700,000

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 2/1/19:

Expended 3,100,936
 Encumbered 136,913
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:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	3,300,000		3,300,000						3,300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	3,300,000	0	3,300,000	0	0	0	0	0	3,300,000

FUNDING SCHEDULE

R7100 Prior Bonds	3,300,000		3,300,000						3,300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	3,300,000	0	3,300,000	0	0	0	0	0	3,300,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$308,142

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	1,221,513
Encumbered	34,263
Total	\$1,255,776

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:

This project will be closed and removed from CIP after the Audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	300,000		300,000						300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	300,000	0	300,000	0	0	0	0	0	300,000

FUNDING SCHEDULE

R8750 Paygo	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	300,000	0	300,000	0	0	0	0	0	300,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	231,147
Encumbered	68,577
Total	\$299,724

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:

This project is complete; waiting for final invoicing from the State Highway Administration.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction	160,000		160,000						160,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	460,000	0	460,000	0	0	0	0	0	460,000

FUNDING SCHEDULE

R8750 Paygo	460,000		460,000						460,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	460,000	0	460,000	0	0	0	0	0	460,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	220,442
Encumbered	37,367
Total	\$257,809

PROJECT: Fuel Dispensing System Upgrade

WATER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

0146738

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	120,000		120,000						120,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	120,000		120,000		0	0	0	0	120,000

FUNDING SCHEDULE

R8750 Paygo	120,000		120,000						120,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	120,000		120,000		0	0	0	0	120,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	120,000
Encumbered	0
Total	\$120,000

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,220,000	0	1,220,000	0	0	0	0	0	1,220,000

FUNDING SCHEDULE

R8750 Paygo	1,220,000		1,220,000						1,220,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,220,000	0	1,220,000	0	0	0	0	0	1,220,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	1,135,704
Encumbered	27,226
Total	\$1,162,930

PROJECT: Magnolia Booster Station

WATER

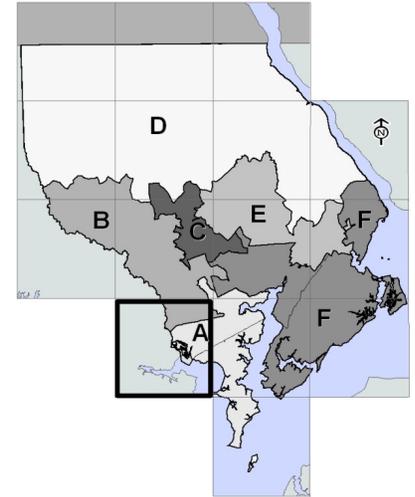
COUNCIL DISTRICT: A

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:

Design complete in 2018
Construction in 2019

PROJECT STATUS:

Construction in 2019-2020

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,450,000	0	1,450,000	0	0	0	0	0	1,450,000

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
Total Funds	1,450,000	0	1,450,000	0	0	0	0	0	1,450,000

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 2/1/19:

Expended	169,126
Encumbered	23,917
Total	\$193,043

PROJECT: Perryman GAC Plant Improvements

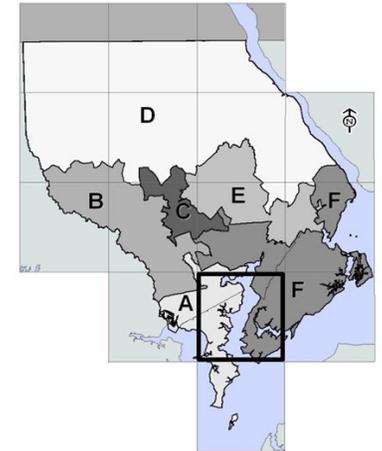
**WATER
W186046**

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:

Ongoing; awaiting APG funding and execution

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,000,000		1,000,000						1,000,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,000,000	0	1,000,000	0	0	0	0	0	1,000,000

FUNDING SCHEDULE

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
Total Funds	1,000,000	0	1,000,000	0	0	0	0	0	1,000,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): 0

Financial Activity as of 2/1/19:

Expended	90,034
Encumbered	62,911
Total	\$152,945

PROJECT: 700 MHz Wireless Radio System Equipment

WATER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

0126728

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	649,000	0	649,000	0	0	0	0	0	649,000

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
Total Funds	649,000	0	649,000	0	0	0	0	0	649,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 607,660

Encumbered

Total \$607,660

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:

This project is closed and will be removed from the CIP after completion of audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	800,000		800,000						800,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	800,000	0	800,000	0	0	0	0	0	800,000

FUNDING SCHEDULE

R8750 Paygo	300,000		300,000						300,000
R8089 Reappropriated Paygo	500,000		500,000						500,000
			0						0
			0						0
			0						0
			0						0
Total Funds	800,000	0	800,000	0	0	0	0	0	800,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	753,012
Encumbered	46,988
Total	\$800,000

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



PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	700,000		700,000						700,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	700,000	0	700,000	0	0	0	0	0	700,000

FUNDING SCHEDULE

R8750 Paygo	700,000		700,000						700,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	700,000	0	700,000	0	0	0	0	0	700,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	583,692
Encumbered	116,308
Total	\$700,000

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	50,000	0	50,000	0	0	0	0	0	50,000

FUNDING SCHEDULE

R8750 Paygo	50,000		50,000						50,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	50,000	0	50,000	0	0	0	0	0	50,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 3,425
 Encumbered 0
Total \$3,425

PROJECT: US 40 and Rt. 159 SHA Water Relocation

WATER

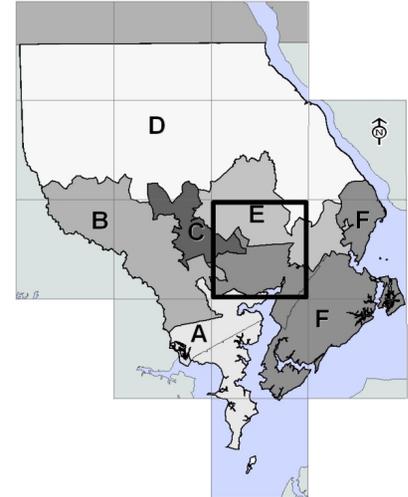
COUNCIL DISTRICT: MULTIPLE

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:

Construction is complete; restoration in 2019

PROJECT STATUS:

Construction is 95% complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	2,600,000		2,600,000						2,600,000
Land Acquisition			0						0
Construction	1,300,000		1,300,000		0				1,300,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	3,900,000	0	3,900,000		0	0	0	0	3,900,000

FUNDING SCHEDULE

R7100 Prior Bonds	3,900,000		3,900,000						3,900,000
			0		0				0
			0						0
			0						0
			0						0
			0						0
Total Funds	3,900,000	0	3,900,000	0	0	0	0	0	3,900,000

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 2/1/19:

Expended 3,040,104
 Encumbered 850,224
Total \$3,890,328

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:

On hold

PROJECT STATUS:

On hold

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,500,000	0	1,500,000	0	0	0	0	0	1,500,000

FUNDING SCHEDULE

R8750 Paygo	1,500,000		1,500,000						1,500,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,500,000	0	1,500,000	0	0	0	0	0	1,500,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

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

PROJECT STATUS:

Model update ongoing
Zone and modeling 90% complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	300,000		300,000						300,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	300,000	0	300,000	0	0	0	0	0	300,000

FUNDING SCHEDULE

R8770 Reappropriated	300,000		300,000						300,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	300,000	0	300,000	0	0	0	0	0	300,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	58,622
Encumbered	48,230
Total	\$106,852

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**HARFORD COUNTY, MARYLAND
FY 20 APPROVED SIX YEAR CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE	TOTAL COST	PRIOR APPROP	BUDGET YEAR	FIVE YEAR CAPITAL PROGRAM				
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
SEWER PROJECTS								
<u>FY 20 Funded Projects:</u>								
Infiltration and Inflow	750,000	450,000	100,000	0	0	100,000	0	100,000
Lower Bynum Interceptor Phase 6&7	9,120,324	12,120,324	(3,000,000)	0	0	0	0	0
Magnolia Sewer Petition	685,000	0	85,000	600,000	0	0	0	0
Pumping Station Improvements	865,000	265,000	200,000	0	200,000	0	200,000	0
Sod Run Facility Improvements	6,700,000	4,400,000	1,000,000	0	0	300,000	1,000,000	0
Utility Protection/Restoration	1,700,000	900,000	200,000	200,000	200,000	200,000	0	0
Woodridge Sewer Petition	3,635,000	0	385,000	3,250,000	0	0	0	0
<u>Outyear Projects</u>								
Bio Solids Facilities Enhancements	35,500,000	8,900,000	0	2,600,000	12,000,000	12,000,000	0	0
Inventory Storage and Control Improvements	3,585,000	385,000	0	0	0	0	0	3,200,000
Renewal and Replacement Sewer Infrastructure	1,700,000	1,100,000	0	0	300,000	0	300,000	0
Sod Run WWTP Ultraviolet Disinfection Project	6,350,000	3,200,000	0	3,150,000	0	0	0	0
<u>Open Projects:</u>								
Bill Bass PS FM Replacement	900,384	900,384	0	0	0	0	0	0
Brentwood Park Pumping Station Improvements	1,450,000	1,450,000	0	0	0	0	0	0
Bush Creek Pumping 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
Delta WWTP Plant Upgrades	225,000	225,000	0	0	0	0	0	0
Edgewood Interceptor Sewer Parallel	650,000	650,000	0	0	0	0	0	0
Fallston Area Sewer	3,800,000	3,800,000	0	0	0	0	0	0
Freys Road Sewer Petition	800,000	800,000	0	0	0	0	0	0
Harford WWTP Facility Improvements	885,000	885,000	0	0	0	0	0	0
Hickory Sewer Infrastructure Improvement Project	3,000,000	3,000,000	0	0	0	0	0	0
Oaklyn Manor/Joppa Area Sewer Relief	1,950,300	1,950,300	0	0	1,950,300	0	0	0
Ring Factory PS and Fairwind Farms Abandonment	1,465,000	1,465,000	0	0	0	0	0	0
Town Center Drive Pump Station Replacement	585,000	585,000	0	0	0	0	0	0
Sewer Total by Project	115,501,008	76,631,008	(1,030,000)	9,800,000	12,700,000	12,600,000	1,500,000	3,300,000
Paygo	13,216,450	10,916,450	500,000	200,000	700,000	300,000	500,000	100,000
Prior Paygo	0	0	0	0	0	0	0	0
Future Bonds	37,802,500	0	130,000	9,172,500	12,000,000	12,300,000	1,000,000	3,200,000
Prior Bonds	61,582,256	63,242,256	(1,660,000)	0	0	0	0	0
Reappropriated	1,042,002	1,042,002	0	0	0	0	0	0
State	427,500	0	0	427,500	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
Sewer Total by Fund	115,501,008	76,631,008	(1,030,000)	9,800,000	12,700,000	12,600,000	1,500,000	3,300,000

FY 20 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

Infiltration and Inflow	100,000	0	100,000	0	0	0	0	0	0	0	0	0	0
Lower Bynum Run Interceptor Phase 6 & 7	(3,000,000)	0	0	(3,000,000)	0	0	0	0	0	0	0	0	0
Magnolia Sewer Petition	85,000	0	0	0	85,000	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
Sod Run Facility Improvements	1,000,000	0	0	1,000,000	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
Woodridge Sewer Petition	385,000	0	0	340,000	45,000	0	0	0	0	0	0	0	0
SUB-TOTAL SEWER PROJECTS	(1,030,000)	0	500,000	(1,660,000)	130,000	0							

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:

Install meters and sensors to evaluate flows in Spring 2019
 Smoke testing Summer/Fall 2019
 Modeling Summer 2019



PROJECT STATUS:

Ongoing

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	150,000		150,000						150,000
Land Acquisition			0						0
Construction	300,000	100,000	400,000			100,000		100,000	600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	450,000	100,000	550,000	0	0	100,000	0	100,000	750,000

FUNDING SCHEDULE

R8750 Paygo	391,450	100,000	491,450			100,000		100,000	691,450
R8089 Reappropriated Paygo	58,550		58,550						58,550
			0						0
			0						0
			0						0
			0						0
Total Funds	450,000	100,000	550,000	0	0	100,000	0	100,000	750,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	158,743
Encumbered	22,846
Total	\$181,589

PROJECT: Lower Bynum Run Interceptor Phase 6&7

SEWER

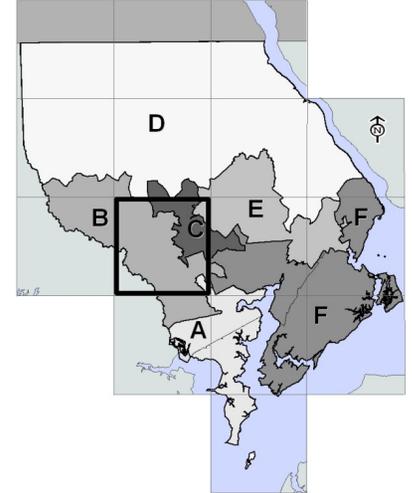
COUNCIL DISTRICT: C

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, modeling 2019

PROJECT STATUS:

Phase 6 is modeling dependent; phase 7 is complete

Prior Bonds reallocated to:	660,000	Replacement of Water Booster Station SCADA - W156492
	1,000,000	Renewal and Replacement Water Infrastructure - W126723
	1,000,000	Sod Run Facility Improvements - S126724
	340,000	Woodridge Sewer Petition - New
	<u>3,000,000</u>	

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	1,370,000		1,370,000						1,370,000
Land Acquisition			0						0
Construction	10,750,324	(3,000,000)	7,750,324						7,750,324
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	12,120,324	(3,000,000)	9,120,324	0	0	0	0	0	9,120,324

FUNDING SCHEDULE

R7100 Prior Bonds	11,647,154	(3,000,000)	8,647,154						8,647,154
R7000 Future Bonds	0		0						0
R8089 Reappropriated Paygo	473,170		473,170						473,170
			0						0
			0						0
			0						0
Total Funds	12,120,324	(3,000,000)	9,120,324	0	0	0	0	0	9,120,324

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$ 241,256
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 7,868,178
Encumbered 38,308
Total \$7,906,486

PROJECT: Magnolia Sewer Petition

SEWER

COUNCIL DISTRICT: B

LOCATION: Fallston

S205428

PROJECT DESCRIPTION / JUSTIFICATION:

This project involves the planning, land acquisition, design and construction of a gravity sewer to service the Magnolia sewer petition area. This petition project is located along Magnolia Road, just south of the intersection of Magnolia Road and Hanson Road. We are expecting a \$72,000 grant from the Stormwater Management Septic System Disconnection Program.



PROJECT SCHEDULE:

FY 20 - Engineering/design
FY 21 - Construction

PROJECT STATUS:

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design		85,000	85,000						85,000
Land Acquisition			0						0
Construction			0	600,000					600,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	85,000	85,000	600,000	0	0	0	0	685,000

FUNDING SCHEDULE

R7000 Future Bonds		85,000	85,000	528,000					613,000
R3399 State Other			0	72,000					72,000
			0						0
			0						0
			0						0
			0						0
Total Funds	0	85,000	85,000	600,000	0	0	0	0	685,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$2,372
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 0
Encumbered 0
Total \$0

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:

Study/Design - Summer through Fall of 2019
 Construction in 2020
 Controls at Pine Ridge Road pump station
 Controls at Bill Bass pump station
 Roye F. Williams Pump Station easement/upgrade

PROJECT STATUS:

Design scope development

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	115,000		115,000						115,000
Land Acquisition			0						0
Construction	150,000	200,000	350,000		200,000		200,000		750,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	265,000	200,000	465,000	0	200,000	0	200,000	0	865,000

FUNDING SCHEDULE

R8750 Paygo	265,000	200,000	465,000		200,000		200,000		865,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	265,000	200,000	465,000	0	200,000	0	200,000	0	865,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

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:

New methanol tank construction Summer 2019; new digester pumps construction Summer 2019; new scaffolding in denitrification filter construction Summer 2019.

PROJECT STATUS:

Bio Solids Study 100 % complete , Grit & Hydraulics Study 100% complete, Grease Study 100% Complete
 Design complete on new methanol tank, digester pumps and denitrification filter, and scaffolding.
 Prior Bonds reallocated from: 1,000,000 Lower Bynum Run Interceptor Phase 6&7 - S096703



EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	550,000		550,000						550,000
Land Acquisition			0						0
Construction	3,850,000	1,000,000	4,850,000			300,000	1,000,000		6,150,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	4,400,000	1,000,000	5,400,000	0	0	300,000	1,000,000	0	6,700,000

FUNDING SCHEDULE

R8750 Paygo	1,500,000		1,500,000						1,500,000
R7100 Prior Bonds	2,900,000	1,000,000	3,900,000						3,900,000
R7000 Future Bonds			0			300,000	1,000,000		1,300,000
			0						0
			0						0
			0						0
Total Funds	4,400,000	1,000,000	5,400,000	0	0	300,000	1,000,000	0	6,700,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$80,910
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 1,490,715
 Encumbered 28,180
Total \$1,518,895

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	450,000		450,000						450,000
Land Acquisition			0						0
Construction	450,000	200,000	650,000	200,000	200,000	200,000			1,250,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	900,000	200,000	1,100,000	200,000	200,000	200,000	0	0	1,700,000

FUNDING SCHEDULE

R8750 Paygo	900,000	200,000	1,100,000	200,000	200,000	200,000			1,700,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	900,000	200,000	1,100,000	200,000	200,000	200,000	0	0	1,700,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	215,880
Encumbered	0
Total	\$215,880

PROJECT: Woodridge Sewer Petition

SEWER

COUNCIL DISTRICT: B

LOCATION: Fallston

W205429

PROJECT DESCRIPTION / JUSTIFICATION:

This project involves the planning, land acquisition, design and construction of both gravity sewer and a small diameter grinder pump system to service the Woodridge sewer petition area. This petition project is located South of Bel Air Road, North of Whitaker Mill Road and East of Joppa Road. We expect \$355,500 in grant funding from the Stormwater Management Septic System Disconnection Program.



PROJECT SCHEDULE:

Design phase Fall 2019 into 2020
Construction in FY 21

PROJECT STATUS:

Prior Bonds reallocated from: 340,000 Lower Bynum Run Interceptor Phase 6&7 - S096703
Design scope in development

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction		385,000	385,000	3,250,000					3,635,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	0	385,000	385,000	3,250,000	0	0	0	0	3,635,000

FUNDING SCHEDULE

R7000 Future Bonds		45,000	45,000	2,894,500					2,939,500
R7100 Prior Bonds		340,000	340,000						340,000
R3399 State Other			0	355,500					355,500
			0						0
			0						0
			0						0
Total Funds	0	385,000	385,000	3,250,000	0	0	0	0	3,635,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 10,742
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 0
Encumbered 0
Total \$0

OUTYEAR PROJECTS

FY 20 - FY 24

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 19 Construction

PROJECT STATUS:

Design Complete Fall of 2018

Construction to begin 2019

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	1,350,000		1,350,000						1,350,000
Land Acquisition			0						0
Construction	7,000,000		7,000,000	2,600,000	12,000,000	12,000,000			33,600,000
Inspection Fees	550,000		550,000						550,000
Equipment/Furnishing			0						0
Total Cost	8,900,000	0	8,900,000	2,600,000	12,000,000	12,000,000	0	0	35,500,000

FUNDING SCHEDULE

R8750 Paygo	200,000		200,000						200,000
R7100 Prior Bonds	8,700,000		8,700,000						8,700,000
R7000 Future Bonds				2,600,000	12,000,000	12,000,000			26,600,000
			0						0
			0						0
			0						0
Total Funds	8,900,000	0	8,900,000	2,600,000	12,000,000	12,000,000	0	0	35,500,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$242,730
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 467,962
 Encumbered 158,241
Total \$626,203

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 2019

PROJECT STATUS:

Design scope development

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	385,000		385,000						385,000
Land Acquisition			0						0
Construction			0					3,200,000	3,200,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	385,000	0	385,000	0	0	0	0	3,200,000	3,585,000

FUNDING SCHEDULE

R8750 Paygo	385,000		385,000						385,000
R7000 Future Bonds			0					3,200,000	3,200,000
			0						0
			0						0
			0						0
			0						0
Total Funds	385,000	0	385,000	0	0	0	0	3,200,000	3,585,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
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:

Study and design Moores Mill Road sewer 2019
Design and rebuild Winter's Run culvert 2019

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	1,100,000		1,100,000		300,000		300,000		1,700,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,100,000	0	1,100,000	0	300,000	0	300,000	0	1,700,000

FUNDING SCHEDULE

R8750 Paygo	700,000		700,000		300,000		300,000		1,300,000
R8089 Reappropriated Paygo	400,000		400,000						400,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,100,000	0	1,100,000	0	300,000	0	300,000	0	1,700,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	119,013
Encumbered	1,659
Total	\$120,672

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 - FY 19
Construction in FY 21

PROJECT STATUS:

Design is 50% complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	200,000		200,000						200,000
Land Acquisition			0						0
Construction	3,000,000		3,000,000	3,150,000					6,150,000
Inspection Fees			0						0
Equipment/Furnishing		0	0						0
Total Cost	3,200,000	0	3,200,000	3,150,000	0	0	0	0	6,350,000

FUNDING SCHEDULE

R8750 Paygo	200,000		200,000						200,000
R7100 Prior Bonds	3,000,000		3,000,000						3,000,000
R7000 Future Bonds			0	3,150,000					3,150,000
			0						0
			0						0
			0						0
Total Funds	3,200,000	0	3,200,000	3,150,000	0	0	0	0	6,350,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$83,700
Annual Operating/Maintenance Cost: N/A
New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 58,562
Encumbered 138,214
Total \$196,776

OPEN/ACTIVE PROJECTS

PROJECT: Bill Bass PS FM Replacement

SEWER

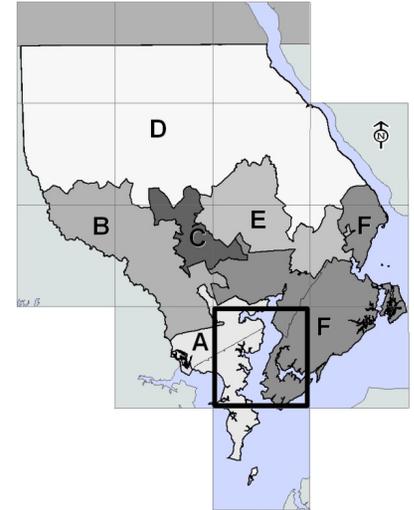
COUNCIL DISTRICT: A

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:

Complete design. Waiting on modeling confirmation prior to construction.

PROJECT STATUS:

Project in Design Phase

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	700,384		700,384						700,384
Land Acquisition	200,000		200,000						200,000
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	900,384	0	900,384	0	0	0	0	0	900,384

FUNDING SCHEDULE

R7100 Prior Bonds	790,102		790,102						790,102
R8770 Reappropriated	110,282		110,282						110,282
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
Total Funds	900,384	0	900,384	0	0	0	0	0	900,384

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$22,044
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 310,748
 Encumbered 389,605
Total \$700,353

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 - complete summer 2019
Construction in 2019-2020

PROJECT STATUS:

Design is 50% new

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	100,000		100,000						100,000
Land Acquisition			0						0
Construction	1,350,000		1,350,000						1,350,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	1,450,000	0	1,450,000	0	0	0	0	0	1,450,000

FUNDING SCHEDULE

R8750 Paygo	200,000		200,000						200,000
R7100 Prior Bonds	1,250,000		1,250,000						1,250,000
			0						0
			0						0
			0						0
			0						0
Total Funds	1,450,000	0	1,450,000	0	0	0	0	0	1,450,000

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 2/1/19:

Expended 99,926
Encumbered 99,422
Total \$199,348

PROJECT: Bush Creek Pump Station

SEWER

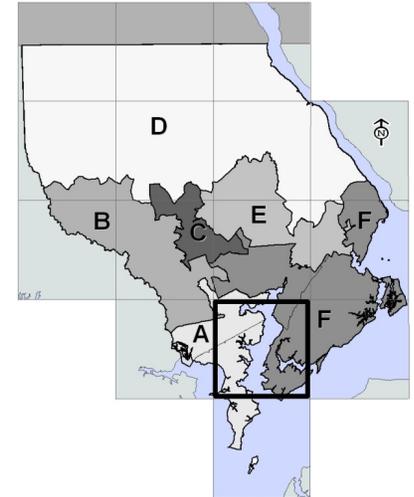
COUNCIL DISTRICT: A

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:

Evaluate controls and pump design in 2019
 Modify pumps and controls in 2020

PROJECT STATUS:

Gravity sewer and force main construction complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	28,400,000	0	28,400,000	0	0	0	0	0	28,400,000

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
Total Funds	28,400,000	0	28,400,000	0	0	0	0	0	28,400,000

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 2/1/19:

Expended 27,060,687
 Encumbered 30,732
Total 27,091,419

PROJECT: Bynum Ridge Replacement Sewer

SEWER

COUNCIL DISTRICT: D

LOCATION: Rock Spring

S156010

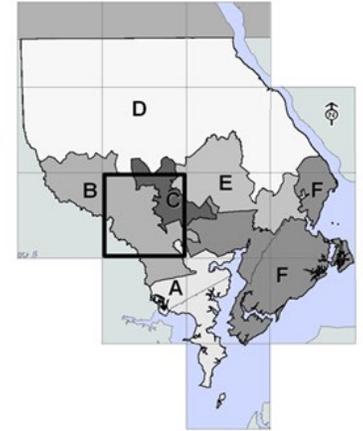
PROJECT DESCRIPTION / JUSTIFICATION:

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	800,000	0	800,000	0	0	0	0	0	800,000

FUNDING SCHEDULE

R8750 Paygo	800,000		800,000						800,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	800,000	0	800,000	0	0	0	0	0	800,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	590,525
Encumbered	175
Total	\$590,700

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 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	225,000		225,000						225,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	225,000	0	225,000	0	0	0	0	0	225,000

FUNDING SCHEDULE

R8750 Paygo	225,000		225,000						225,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	225,000	0	225,000	0	0	0	0	0	225,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: Edgewood Interceptor Sewer Parallel

SEWER

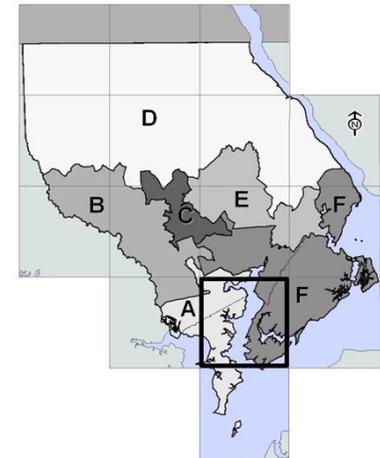
COUNCIL DISTRICT: A

LOCATION: Edgewood

S106712

PROJECT DESCRIPTION / JUSTIFICATION:

This project shall allow for the design and construction of 36 inch parallel sewer between Bill Bass Pump Station and contract #6044 (Winter's Run Outfall sewer).



PROJECT SCHEDULE:

Modeling evaluation in 2019

PROJECT STATUS:

Preliminary design complete
 Alternative alignments needed to be evaluated
 Modeling needs to be completed

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	550,000		550,000						550,000
Land Acquisition	100,000		100,000						100,000
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	650,000	0	650,000	0	0	0	0	0	650,000

FUNDING SCHEDULE

R7100 Prior Bonds	650,000		650,000						650,000
R7000 Future Bonds			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	650,000	0	650,000	0	0	0	0	0	650,000

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 2/1/19:

Expended	181,806
Encumbered	285,313
Total	\$467,119

PROJECT: Fallston Area Sewer

SEWER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

S196190

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 in a future year



PROJECT STATUS:

Study/evaluation complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				2021	2022	2023	2024	2025	
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
Total Cost	3,800,000	0	3,800,000	0	0	0	0	0	3,800,000

FUNDING SCHEDULE

R7100 Prior Bonds	3,800,000		3,800,000						3,800,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	3,800,000	0	3,800,000	0	0	0	0	0	3,800,000

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 2/1/19:

Expended	0
Encumbered	0
Total	\$0

PROJECT: Freys Road Sewer Petition

SEWER

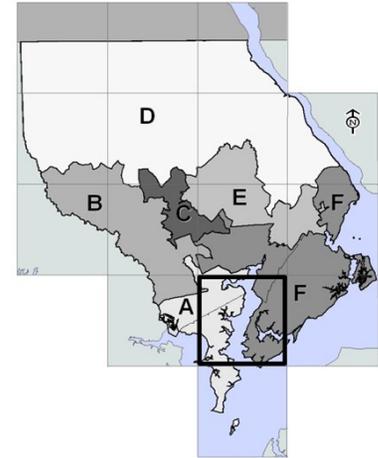
COUNCIL DISTRICT: A

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 in Summer 2019
Construction in 2019-2020

PROJECT STATUS:

Design scope in development

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design	800,000		800,000						800,000
Land Acquisition			0						0
Construction			0						0
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	800,000	0	800,000	0	0	0	0	0	800,000

FUNDING SCHEDULE

R8750 Paygo	800,000		800,000						800,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	800,000	0	800,000	0	0	0	0	0	800,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: \$47,074

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of

Expended
Encumbered
Total \$0

PROJECT: Harford WWTP Facility Improvements

SEWER

COUNCIL DISTRICT: MULTIPLE

LOCATION: Various

S136731

PROJECT DESCRIPTION / JUSTIFICATION:

This project will allow for treatment process enhancements to be installed at Joppatowne and Sod Run Wastewater Treatment Plants. A portion of the funding requirement (55%) is coming from a SAAP Federal Grant and will be used to offset the design and construction necessary to install process enhancement equipment at these plants. Such projects include, but not limited to UV installation chemical feed system upgrades FOG segregation and treatment systems, and temporary Biosolids storage facilities.

PROJECT SCHEDULE:

Design and construction completed in 2017



PROJECT STATUS:

This project is complete and will be closed and removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Engineering/Design			0						0
Land Acquisition			0						0
Construction	885,000		885,000						885,000
Inspection Fees			0						0
Equipment/Furnishing			0						0
Total Cost	885,000	0	885,000	0	0	0	0	0	885,000

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
Total Funds	885,000	0	885,000	0	0	0	0	0	885,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended	792,124
Encumbered	0
Total	\$792,124

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-FY 20

PROJECT STATUS:

Design scope in development

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	3,000,000	0	3,000,000	0	0	0	0	0	3,000,000

FUNDING SCHEDULE

R7100 Prior Bonds	3,000,000		3,000,000						3,000,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	3,000,000	0	3,000,000	0	0	0	0	0	3,000,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 83,700
 Annual Operating/Maintenance Cost: N/A
 New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended 0
 Encumbered 0
 Total \$0

PROJECT: Oaklyn Manor/Joppa Area Sewer Relief

SEWER

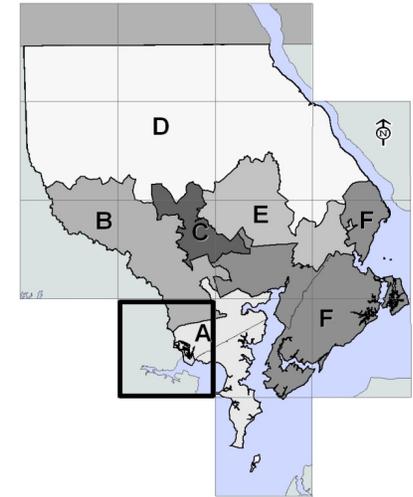
COUNCIL DISTRICT: A

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. The PWA will determine the cost share.



PROJECT SCHEDULE:

PROJECT STATUS:

Phase A complete
Phase B on hold; awaiting developer agreement

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,950,300	0	1,950,300	0	0	0	0	0	1,950,300

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
Total Funds	1,950,300	0	1,950,300	0	0	0	0	0	1,950,300

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 2/1/19:

Expended	1,464,291
Encumbered	0
Total	\$1,464,291

PROJECT: Ring Factory PS and Fairwind Farms Abandonment

SEWER

COUNCIL DISTRICT: C

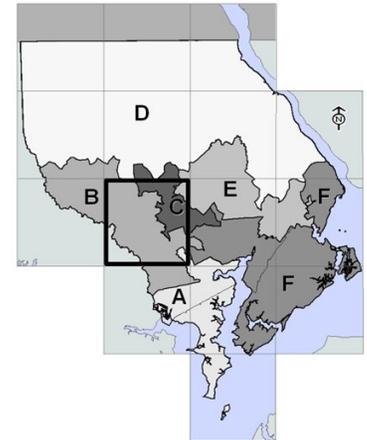
LOCATION: Bel Air

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:

This project is complete and will be removed from the Capital Improvement Program following completion of the audit in July, 2019.

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	1,465,000	0	1,465,000	0	0	0	0	0	1,465,000

FUNDING SCHEDULE

R8750 Paygo	1,465,000		1,465,000						1,465,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	1,465,000	0	1,465,000	0	0	0	0	0	1,465,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: N/A

Annual Operating/Maintenance Cost: N/A

New Positions (FTE's): N/A

Financial Activity as of 2/1/19:

Expended	1,402,705
Encumbered	0
Total	\$1,402,705

PROJECT: Town Center Drive Pump Station Replacement

SEWER

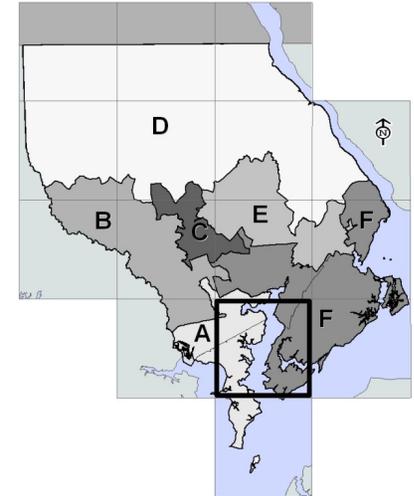
COUNCIL DISTRICT: A

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 2019

PROJECT STATUS:

Design is 100% complete

EXPENDITURE SCHEDULE

Cost Elements	Prior Appropriation	FY 2020 Budget	Appropriation Total	Five Year Capital Program					TOTAL PROJECT COST
				FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
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
Total Cost	585,000	0	585,000	0	0	0	0	0	585,000

FUNDING SCHEDULE

R8750 Paygo	585,000		585,000						585,000
			0						0
			0						0
			0						0
			0						0
			0						0
Total Funds	585,000	0	585,000	0	0	0	0	0	585,000

OPERATING BUDGET IMPACT:

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

Financial Activity as of 2/1/19:

Expended 48,047
 Encumbered 27,374
Total \$75,421