

*Clerk's note: Resolution is corrected to include list of partial closeouts in Part IV (attached as last two pages)*

Resolution No:	<u>18-497</u>
Introduced:	<u>May 26, 2016</u>
Adopted:	<u>May 26, 2016</u>

**COUNTY COUNCIL  
FOR MONTGOMERY COUNTY, MARYLAND**

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By: County Council

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**SUBJECT:** Approval of the FY 2017-2022 Capital Improvements Program, and Approval of and Appropriation for the FY 2017 Capital Budget of the Montgomery County Government

**Background**

1. Section 302 of the County Charter requires the County Executive to send to the County Council by January 15 in each even-numbered calendar year a 6-year Capital Improvements Program (CIP), which the Executive did on January 15, 2016 for the 6-year period FY 2017-2022. Section 302 requires the affirmative vote of at least 5 Councilmembers to approve or modify the Executive's Recommended CIP. After the Council approves a CIP, Section 302 permits the Council to amend it at any time with the affirmative vote of at least 6 Councilmembers.
2. Section 303 of the Charter requires the Executive to send to the Council by January 15 in each year a recommended Capital Budget, which the Executive did on January 15, 2016 for FY 2017.
3. As required by Section 304 of the Charter, the Council held public hearings on the Capital Budget for FY 2017 and on the Recommended CIP for FY 2017-2022 on February 10 and 11, 2016.

**Action**

The County Council for Montgomery County, Maryland approves the following resolution:

1. For FY 2017, the Council approves the Capital Budget for the Montgomery County Government and appropriates the amounts by project, which are shown in part I.
2. The Council reappropriates the appropriations made in prior years for all capital projects:
  - a) except as specifically reflected elsewhere in this resolution;
  - b) in the amounts and for the purposes specified in the Approved CIP for FY 2017-2022; and
  - c) to the extent that those appropriations are not expended or encumbered.

3. The County appropriation for Acquisition: Non-Local Parks and Legacy Open Space includes (\$000):

998798	Acquisition Non-Local Parks-County Current Revenue-General	135
018710	Legacy Open Space-County Current Revenue-General	250
018710	Legacy Open Space-County G.O. Bonds	2,500
	(\$100,000 of G.O. Bonds appropriation is for Personnel Costs)	

The County will contribute the following amounts for non-local park projects (\$000):

County G.O. Bonds	11,974
County Current Revenue-General	2,748

4. The Council approves the projects in the Executive’s Recommended FY 2017 Capital Budget and CIP for Fiscal Years 2017-2022, with the exceptions which are attached in part II. These projects are approved as modified.
5. The Council approves the close out of the projects in part III.
6. The Council approves the partial close out of the projects in part IV.
7. For FY 2017, when the County Government decides that it will apply for a grant or respond to a granting agency on how it would spend a formula-awarded grant, the Chief Administrative Officer or his designee must notify the Council Administrator in writing of the name and purpose of the grant, the amount being requested or the formula-driven award amount, the name of the agency the application is directed to, the term of the grant, and the name of the department or departments that seek to receive the grant award. This requirement applies when any of the following conditions are met:
- the application is for a new grant of more than \$200,000 or formula-driven award of more than \$200,000 for a new program; or,
  - the grant or award would require the appropriation of new tax-supported funds in the current or any future fiscal year; or,
  - the grant application or proposal to spend formula-driven funds will create a new position in County Government.
- Upon request, the Chief Administrative Officer or his designee must send a copy of the grant application or description of the proposed use of a formula-driven award to the Council Administrator within 3 working days after submitting it to the funding agency.
8. In FY 2017 this resolution appropriates \$14.635 million to the Affordable Housing Acquisition and Preservation project (P760100). In addition, the Council appropriates any loan repayments associated with the Affordable Housing Acquisition and Preservation project that are received in FY2016 to this CIP project to be used for affordable housing. The Council also approves amending the FY 2017 expenditure and funding schedule to reflect additional loan repayments.

- 9. If a sign recognizing the contribution of any Federal, State, or local government or agency is displayed at any project for which funds are appropriated in this resolution, as a condition of spending those funds each sign must also expressly recognize the contribution of the County and the County's taxpayers.
- 10. As authorized by County Code Section 27-62A(f), the Office of Management and Budget need not analyze the feasibility of providing child care facilities in the following capital projects:

- Indoor Air Quality Improvement -- Brookeville Buildings D&E
- MCPS Bus Depot and Maintenance Relocation
- Poolesville Depot Improvements
- Seven Locks Signal Shop Building C
- Damascus Depot Improvements
- Criminal Justice Complex
- Emergency Operations Center Relocation
- Montgomery Village Fire Station
- Shady Grove Fire Station

- 11. As authorized by County Code Section 25B-7(e), the Office of Management and Budget need not analyze the feasibility of including a significant amount of affordable housing in the following capital projects

- Indoor Air Quality Improvement -- Brookeville Buildings D&E
- MCPS Bus Depot and Maintenance Relocation
- Poolesville Depot Improvements
- Seven Locks Signal Shop Building C
- Damascus Depot Improvements
- Criminal Justice Complex
- Emergency Operations Center Relocation

This is a correct copy of Council action.



Linda M. Lauer, Clerk of the Council

**PART I: FY 17 CAPITAL BUDGET FOR MONTGOMERY COUNTY GOVERNMENT**

The appropriations for FY 17 in this Part are made to implement the projects in the Capital Improvements Program for FY 17- FY 22.

<b>Project Name( Project Number)</b>	<b>FY 17 Appropriation</b>	<b>Cumulative Appropriation</b>	<b>Total Appropriation</b>
Council Office Building Renovations (P010100)	4,275,000	35,916,000	40,191,000
Public Safety System Modernization (P340901)	1,180,000	106,633,000	107,813,000
MCPS Bus Depot and Maintenance Relocation (P360903)	6,175,000	27,150,000	33,325,000
Energy Systems Modernization (P361302)	10,300,000	40,600,000	50,900,000
Facilities Site Selection: MCG (P500152)	25,000	369,000	394,000
Environmental Compliance: MCG (P500918)	1,397,000	10,645,000	12,042,000
Energy Conservation: MCG (P507834)	150,000	663,000	813,000
Roof Replacement: MCG (P508331)	2,240,000	10,354,000	12,594,000
Asbestos Abatement: MCG (P508728)	100,000	274,000	374,000
Facility Planning: MCG (P508768)	360,000	8,975,000	9,335,000
HVAC/Elec Replacement: MCG (P508941)	1,135,000	3,746,000	4,881,000
Planned Lifecycle Asset Replacement: MCG (P509514)	1,500,000	3,915,000	5,415,000
Resurfacing Parking Lots: MCG (P509914)	650,000	7,555,000	8,205,000
Elevator Modernization (P509923)	1,000,000	11,654,000	12,654,000
Life Safety Systems: MCG (P509970)	625,000	6,688,000	7,313,000
Building Envelope Repair (P361501)	1,000,000	2,165,000	3,165,000
Rockville Core (P361702)	1,107,000	0	1,107,000
Integrated Justice Information System (P340200)	100,000	15,723,000	15,823,000
Fibernet (P509651)	3,693,000	53,765,000	57,458,000
ultraMontgomery (P341700)	1,124,000	0	1,124,000
Wheaton Redevelopment Program (P150401)	8,866,000	140,043,000	148,909,000
White Flint Redevelopment Program (P151200)	160,000	3,243,000	3,403,000
Universities at Shady Grove Expansion (P151201)	5,000,000	15,000,000	20,000,000
White Oak Science Gateway Redevelopment Project (P361701)	360,000	0	360,000

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Project Name( Project Number)	FY 17 Appropriation	Cumulative Appropriation	Total Appropriation
Fire Stations: Life Safety Systems (P450302)	335,000	3,008,000	3,343,000
Kensington (Aspen Hill) FS 25 Addition (P450903)	14,159,000	1,957,000	16,116,000
Resurfacing: Fire Stations (P458429)	300,000	829,000	1,129,000
Roof Replacement: Fire Stations (P458629)	352,000	1,569,000	1,921,000
HVAC/Elec Replacement: Fire Stns (P458756)	1,150,000	4,277,000	5,427,000
Apparatus Replacement Program (P451504)	9,421,000	23,822,000	33,243,000
Pre-Release Center Dietary Facilities Improvements(P420900)	327,000	1,033,000	1,360,000
DOCR Staff Training Center (P421101)	-16,000	60,000	44,000
Highway Noise Abatement (P500338)	25,000	2,886,000	2,911,000
Montrose Parkway East (P500717)	799,000	20,819,000	21,618,000
State Transportation Participation (P500722)	400,000	80,957,000	81,357,000
Snouffer School Road (P501109)	3,164,000	20,546,000	23,710,000
Seminary Road Intersection Improvement (P501307)	961,000	466,000	1,427,000
East Gude Drive Roadway Improvements (P501309)	1,031,000	0	1,031,000
Clarksburg Transportation Connections (P501315)	2,000,000	2,600,000	4,600,000
Public Facilities Roads (P507310)	100,000	2,536,000	2,636,000
Subdivision Roads Participation (P508000)	874,000	8,581,000	9,455,000
Facility Planning-Transportation (P509337)	1,720,000	47,359,000	49,079,000
Maryland/Dawson Extended (P501405)	2,260,000	500,000	2,760,000
Bridge Preservation Program (P500313)	1,028,000	7,751,000	8,779,000
Gold Mine Road Bridge M-0096 (P501302)	866,000	4,433,000	5,299,000
Elmhirst Parkway Bridge (Bridge No. M-0353) (P501420)	229,000	2,022,000	2,251,000
Bridge Design (P509132)	1,226,000	15,097,000	16,323,000
Bridge Renovation (P509753)	2,000,000	6,625,000	8,625,000

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Project Name( Project Number)	FY 17 Appropriation	Cumulative Appropriation	Total Appropriation
Lyttonsville Place Bridge(P501421)	-100,000	500,000	400,000
Bethesda Bikeway and Pedestrian Facilities (P500119)	297,000	3,520,000	3,817,000
Metropolitan Branch Trail (P501110)	509,000	5,515,000	6,024,000
Frederick Road Bike Path (P501118)	4,975,000	2,218,000	7,193,000
Needwood Road Bikepath (P501304)	2,126,000	3,639,000	5,765,000
Sidewalk Program - Minor Projects (P506747)	2,414,000	6,802,000	9,216,000
Bikeway Program - Minor Projects (P507596)	530,000	1,886,000	2,416,000
ADA Compliance: Transportation (P509325)	1,525,000	3,762,000	5,287,000
Capital Crescent Trail (P501316)	8,023,000	6,054,000	14,077,000
Transportation Improvements For Schools (P509036)	209,000	680,000	889,000
Bicycle-Pedestrian Priority Area Improvements (P501532)	2,000,000	1,375,000	3,375,000
Life Sciences Center Loop Trail (P501742)	400,000	0	400,000
MD355-Clarksburg Shared Use Path(P501744)	737,000	0	737,000
Pedestrian Safety Program (P500333)	1,646,000	12,890,000	14,536,000
Streetlight Enhancements-CBD/Town Center (P500512)	250,000	2,930,000	3,180,000
Traffic Signal System Modernization (P500704)	2,329,000	35,306,000	37,635,000
White Flint Traffic Analysis and Mitigation (P501202)	181,000	1,363,000	1,544,000
Intersection and Spot Improvements (P507017)	1,732,000	3,692,000	5,424,000
Streetlighting (P507055)	955,000	2,293,000	3,248,000
Traffic Signals (P507154)	4,835,000	11,773,000	16,608,000
Guardrail Projects (P508113)	315,000	663,000	978,000
Advanced Transportation Management System (P509399)	2,008,000	51,201,000	53,209,000
Neighborhood Traffic Calming (P509523)	310,000	771,000	1,081,000
Parking Lot Districts Service Facility (P501551)	612,000	3,585,000	4,197,000

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Project Name( Project Number)	FY 17 Appropriation	Cumulative Appropriation	Total Appropriation
Facility Planning Parking: Wheaton PLD (P501312)	45,000	180,000	225,000
Facility Planning Parking: Bethesda PLD (P501313)	90,000	360,000	450,000
Facility Planning Parking: Silver Spring PLD (P501314)	90,000	360,000	450,000
Pkg Sil Spg Fac Renovations (P508250)	2,610,000	7,693,000	10,303,000
Pkg Beth Fac Renovations (P508255)	2,625,000	2,322,000	4,947,000
Pkg Wheaton Fac Renovations (P509709)	112,000	339,000	451,000
Rapid Transit System (P501318)	4,250,000	3,125,000	7,375,000
Transit Park and Ride Lot Renovations (P500534)	843,000	1,687,000	2,530,000
Ride On Bus Fleet (P500821)	18,115,000	124,560,000	142,675,000
Bethesda Metro Station South Entrance (P500929)	4,737,000	16,100,000	20,837,000
Bus Stop Improvements (P507658)	511,000	1,792,000	2,303,000
Purple Line (P501603)	3,596,000	1,030,000	4,626,000
Resurfacing: Residential/Rural Roads (P500511)	3,900,000	94,664,000	98,564,000
Street Tree Preservation (P500700)	3,000,000	18,900,000	21,900,000
Resurfacing Park Roads and Bridge Improvements (P500720)	600,000	5,760,000	6,360,000
Residential and Rural Road Rehabilitation (P500914)	2,285,000	46,212,000	48,497,000
Permanent Patching: Residential/Rural Roads (P501106)	2,400,000	27,292,000	29,692,000
Sidewalk & Curb Replacement (P508182)	4,191,000	15,660,000	19,851,000
Resurfacing: Primary/Arterial (P508527)	2,600,000	24,140,000	26,740,000
School Based Health & Linkages to Learning Centers (P640400)	607,000	10,763,000	11,370,000
Avery Road Treatment Center (P601502)	1,592,000	6,424,000	8,016,000
Cost Sharing: MCG (P720601)	3,135,000	22,712,000	25,847,000
Recreation Facility Modernization (P720917)	-100,000	200,000	100,000

## PART I: FY 17 CAPITAL BUDGET FOR MONTGOMERY COUNTY GOVERNMENT

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Project Name( Project Number)	FY 17 Appropriation	Cumulative Appropriation	Total Appropriation
Good Hope Neighborhood Recreation Center (P720918)	1,418,000	9,327,000	10,745,000
Public Arts Trust (P729658)	190,000	331,000	521,000
Ken Gar Community Center Renovation (P721401)	-37,000	200,000	163,000
Western County Outdoor Pool Renovation and Modernization (P721501)	14,000	3,836,000	3,850,000
Wheaton Library and Community Recreation Center (P361202)	772,000	75,782,000	76,554,000
Library Refurbishment Level of Effort (P711502)	2,170,000	4,057,000	6,227,000
21st Century Library Enhancements Level Of Effort (P711503)	1,000,000	1,000,000	2,000,000
Noyes Library for Young Children Rehabilitation and Renovation (P711704)	3,050,000	0	3,050,000
Storm Drain General (P500320)	1,708,000	11,159,000	12,867,000
Facility Planning: Storm Drains (P508180)	290,000	5,204,000	5,494,000
Outfall Repairs (P509948)	462,000	6,209,000	6,671,000
Storm Drain Culvert Replacement (P501470)	1,200,000	5,500,000	6,700,000
SM Retrofit - Roads (P801300)	-9,876,000	53,830,000	43,954,000
SM Retrofit - Schools (P801301)	-5,104,000	13,390,000	8,286,000
Misc Stream Valley Improvements (P807359)	13,951,000	15,376,000	29,327,000
SM Retrofit: Countywide (P808726)	8,918,000	65,197,000	74,115,000
Facility Planning: SM (P809319)	4,000	13,141,000	13,145,000
Watershed Restoration - Interagency (P809342)	36,000	6,391,000	6,427,000
Wheaton Regional Dam Flooding Mitigation (P801710)	2,950,000	0	2,950,000
Ag Land Pres Easements (P788911)	611,000	6,314,000	6,925,000
Facility Planning: HCD (P769375)	125,000	3,670,000	3,795,000
Colesville/New Hampshire Avenue Community Revitalization (P761501)	550,000	700,000	1,250,000



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## PART I: FY 17 CAPITAL BUDGET FOR MONTGOMERY COUNTY GOVERNMENT

The appropriations for FY 17 in this Part are made to implement the projects in the Capital Improvements Program for FY 17- FY 22.

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Project Name( Project Number)	FY 17 Appropriation	Cumulative Appropriation	Total Appropriation
Affordable Housing Acquisition and Preservation (P760100)	14,635,000	145,151,000	159,786,000
<b>Total -- Montgomery County Government</b>	<b>236,922,000</b>	<b>1,805,267,000</b>	<b>2,042,189,000</b>

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\*In addition to the appropriation shown for this project, any actual revolving loan repayments received from the prior year are appropriated.

**PART II: REVISED PROJECTS**

**The projects described in this section were revised from, or were not included among, the projects as recommended by the County Executive in the County Executive's Recommended FY 2017 Capital Budget and Capital Improvements Program FY 2017 - 2022 of January 15, 2016. These projects are approved.**

## Council Office Building Garage (P011601)

Category  
Sub Category  
Administering Agency  
Planning Area

General Government  
County Offices and Other Improvements  
General Services (AAGE29)  
Rockville

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

5/19/16  
No  
None  
Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	875	0	159	718	395	263	58	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	3,884	0	0	3,884	1,748	2,136	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,759</b>	<b>0</b>	<b>159</b>	<b>4,600</b>	<b>2,143</b>	<b>2,399</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	4,759	0	159	4,600	2,143	2,399	58	0	0	0	0
<b>Total</b>	<b>4,759</b>	<b>0</b>	<b>159</b>	<b>4,600</b>	<b>2,143</b>	<b>2,399</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,759
Expenditure / Encumbrances		0
Unencumbered Balance		4,759

Date First Appropriation	
First Cost Estimate	
Current Scope	FY 16 4,759
Last FY's Cost Estimate	4,753

#### Description

The project provides for the design and construction of repairs to the Council Office Building Garage (COBG). Repairs include, but are not limited to, concrete deck, structural steel, drains, post-tensioned concrete tendons, curbs, painting of structural steel, and a new waterproof membrane. The project will be completed in phases in order to keep the garage open in continuous operation. Each phase will require closing approximately 100 parking spaces for construction.

#### Location

Rockville Core

#### Estimated Schedule

The project is expected to take 32 months to complete.

#### Justification

Montgomery County Department of General Services contracted with an independent consultant to assess the condition of the COB garage. The Council Office Building Parking Garage Condition Assessment dated August 10, 2015 provides recommendations for various repairs.

#### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

#### Coordination

County Council, Department of Technology Services, Department of Police, Department of General Services, Department of Transportation, Department of Fire Rescue Services, Office of Management and Budget, City of Rockville, and Montgomery County Circuit Court

## Council Office Building Renovations (P010100)

Category  
Sub Category  
Administering Agency  
Planning Area

General Government  
County Offices and Other Improvements  
General Services (AAGE29)  
Rockville

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

5/4/16  
No  
None  
Bids Let

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	2,553	669	334	1,550	1,000	550	0	0	0	0	0
Land	4	4	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	2	2	0	0	0	0	0	0	0	0	0
Construction	36,414	3,272	293	32,849	19,785	13,064	0	0	0	0	0
Other	1,218	8	0	1,210	610	600	0	0	0	0	0
<b>Total</b>	<b>40,191</b>	<b>3,955</b>	<b>627</b>	<b>35,609</b>	<b>21,395</b>	<b>14,214</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Cable TV	952	900	0	52	0	52	0	0	0	0	0
G.O. Bonds	35,932	3,048	627	32,257	18,095	14,162	0	0	0	0	0
Long-Term Financing	3,300	0	0	3,300	3,300	0	0	0	0	0	0
PAYGO	7	7	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>40,191</b>	<b>3,955</b>	<b>627</b>	<b>35,609</b>	<b>21,395</b>	<b>14,214</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	4,275
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		35,916
Expenditure / Encumbrances		3,955
Unencumbered Balance		31,961

Date First Appropriation	FY 05
First Cost Estimate	
Current Scope	FY 16 40,191
Last FY's Cost Estimate	35,916

### Description

This project is in two phases. The first phase renovated the hearing room, conference room, and anteroom on the third floor of the Council Office Building (COB) which had not been renovated in at least 30 years. The first phase was completed in 2009. The second phase replaces the HVAC system, the lighting systems, windows in the rest of the COB, upgrades restrooms to ADA standards, renovates the auditorium on the first floor, provides improved signage inside and outside the buildings, refreshes common areas, and reconfigures space on the fourth, fifth, and sixth floors for the Council Office and the Office of Legislative Oversight (OLO) staff.

### Estimated Schedule

Design/Build/ESPC Contract Award expected in Spring 2016, construction starts in fall 2016, and completion in fall 2017.

### Justification

Heating ventilation, and air condition in the COB function poorly, and most of the restrooms are not compliance with updated ADA standards or high performance building standards. The Council Office and OLO have far outgrown their space since it was last reconfigured more than 25 years ago. The 1st Floor Auditorium, which is used regularly for County Government staff training and as a meeting place by civic organizations, is extremely substandard.

### Fiscal Note

The second phase of the project is partially funded with a \$184,000 unencumbered balance from the first phase and a FY15 transfer of \$2,993,000 in GO Bonds from the Montgomery County Government Complex (360901). A FY15 supplemental of \$296,000 in GO Bonds occurred. An audit by Energy Service Company (ESCO) has been conducted, and it has determined that \$3.3 million in savings can be anticipated from this project. An Energy Savings Performance Contract (ESPC) will allow for third-party funding to cover this portion of the contract, so that no General Obligation Bonds are required for it. A financing mechanism is initiated to cover the cost of the contract and the repayment of debt is guaranteed through the energy savings.

### Disclosures

A pedestrian impact analysis has been completed for this project.

### Coordination

County Council, Department of General Services, Department of Technology Services, Legislative Branch Office, Office of Consumer Protection, Department of Housing and Community Affairs, Ethics Commission. Special Capital Projects Legislation was enacted on June 23, 2015 and signed into law on July 6, 2015 (Bill No. 27-15).

## Facility Planning: MCG (P508768)

Category  
Sub Category  
Administering Agency  
Planning Area

General Government  
County Offices and Other Improvements  
General Services (AAGE29)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

11/17/14  
No  
None  
Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	9,987	8,007	420	1,560	360	160	260	260	260	260	0
Land	87	87	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	7	7	0	0	0	0	0	0	0	0	0
Construction	233	233	0	0	0	0	0	0	0	0	0
Other	221	221	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10,535</b>	<b>8,555</b>	<b>420</b>	<b>1,560</b>	<b>360</b>	<b>160</b>	<b>260</b>	<b>260</b>	<b>260</b>	<b>260</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	9,890	7,910	420	1,560	360	160	260	260	260	260	0
G.O. Bonds	625	625	0	0	0	0	0	0	0	0	0
Solid Waste Disposal Fund	20	20	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10,535</b>	<b>8,555</b>	<b>420</b>	<b>1,560</b>	<b>360</b>	<b>160</b>	<b>260</b>	<b>260</b>	<b>260</b>	<b>260</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	360
Appropriation Request Est.	FY 18	160
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,975
Expenditure / Encumbrances		8,602
Unencumbered Balance		373

Date First Appropriation	FY 87
First Cost Estimate	
Current Scope	FY 17 10,535
Last FY's Cost Estimate	10,015

#### Description

This project provides for general government facility planning studies for a variety of projects under consideration in the CIP. In addition, facility planning serves as a transition stage for a project between the master plan or conceptual stage and its inclusion as a stand-alone project in the CIP. Prior to the establishment of a stand-alone project, Montgomery County develops a Program of Requirements (POR) that outlines the general and specific features required on the project. Selected projects range in type including: new buildings, renovation of existing buildings, stormwater management, and recycling centers. Facility planning is a decision making process that includes the determination of the purpose of and need for a candidate project, a rigorous investigation of non-County sources of funding, and an estimate of the cost of the design and an estimated range of the cost of construction of the project. Facility planning represents planning and preliminary design and develops a POR in advance of full programming of a project in the CIP. Depending upon the results of a facility planning determination of purpose and need, a project may or may not proceed to design and construction. For a full description of the facility planning process, see the CIP Planning Section.

#### Cost Change

Increase is due to the addition of FY21 and FY22 to this ongoing project.

#### Justification

Facility planning costs for projects which ultimately become stand-alone projects are included here. These costs will not be reflected in the resulting individual project.

#### Other

The study proposals under this program are developed in conjunction with program departments, the Department of General Services, the Office of Management and Budget (OMB), and consultants to ensure accurate program requirements. Planning studies are underway or to be completed in FY17 or FY18 are listed on the next page. This list includes projects that will potentially be considered for inclusion as stand alone projects in the FY21-22 CIP. Other projects not listed may be planned under urgent situations. Planning for future fire stations will be considered if response time or population data warrant such a need.

#### Fiscal Note

Funds may also be used to explore opportunities in the event a private developer expresses interest in County property.

#### Disclosures

Expenditures will continue indefinitely.

#### Coordination

Department of Environmental Protection, Department of General Services, Department of Correction and Rehabilitation, Department of Fire and Rescue Services, Department of Police, Department of Health and Human Services, Department of Recreation, Department of Public Libraries, Circuit Court, Office of Management and Budget, Commission on People with Disabilities, Montgomery County Pedestrian Safety Advisory Committee

## **Facility Planning: MCG No. 508768**

**Planning Studies underway or candidate projects to be completed during FY17 and FY18**

### **Candidate Projects**

Grey Courthouse  
Rockville Core Parking  
Bushey Drive Reuse  
Silver Spring Library Reuse  
Clarksburg Library  
Poolesville Depot Improvements  
Damascus Depot Improvements  
Noyes Library  
Clarksburg Community Recreation and Aquatic Center  
Seven Locks Signal Shop (Building C)  
Olney Civic Commons  
Future Fire Stations  
Wheaton Arts and Humanities Center

### **Studies Underway**

White Flint Fire Station  
Public Safety Communications System (to include the Emergency Operations Center)

As redevelopment opportunities occur, County facilities in need of rehabilitation and/or expansion may be considered for facility planning to leverage non-County funding. Examples of properties where this could occur include the 4th and 5th District Police Stations.

As refresh opportunities occur, County facilities in need of rehabilitation may be considered for facility planning.

## Facilities Site Selection: MCG (P500152)

Category  
Sub Category  
Administering Agency  
Planning Area

General Government  
County Offices and Other Improvements  
General Services (AAGE29)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

5/4/16  
No  
None  
Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	410	150	110	150	25	25	25	25	25	25	0
Land	106	106	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	3	3	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>519</b>	<b>259</b>	<b>110</b>	<b>150</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	519	259	110	150	25	25	25	25	25	25	0
<b>Total</b>	<b>519</b>	<b>259</b>	<b>110</b>	<b>150</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	25
Appropriation Request Est.	FY 18	25
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		369
Expenditure / Encumbrances		259
Unencumbered Balance		110

Date First Appropriation	FY 01	
First Cost Estimate		
Current Scope	FY 17	519
Last FY's Cost Estimate		469

#### Description

This project provides for site selection for the following candidate projects: Clarksburg Library, Damascus Depot Relocation, Clarksburg Community Recreation and Aquatic Center, and East County HHS Facility and other site selection activities such as appraisals, geotechnical services, environmental studies, and surveys. Other sites that could be considered for site selection analysis are the Silver Spring Community Recreation and Aquatic Center, Supply and Evidence Facility, and Land for Facility Reforestation.

#### Cost Change

Increase due to the addition of FY21 and FY22 to this ongoing project.

#### Other

These funds will be used for site selection only. No land will be purchased without notice to the County Council that must include the reasons why the proposed site is appropriate for the specific project being planned, including the expected size of the facility and how the site is responsive to community needs. Any land acquisition will be funded initially through ALARF: MCG, then reimbursed by a future appropriation from the specific project. The County Executive will work with the Maryland-National Capital Park and Planning Commission staff to review future facility needs in master plans and department strategic plans to identify sites beyond those for projects in facility planning and the current CIP for acquisition.

#### Coordination

Department of Police, Department of Public Libraries, Department of General Services, Department of Recreation, Department of Fire/Rescue services, Department of Transportation, Maryland-National Capital Park and Planning Commission, Office of Management and Budget, Regional Services Centers

## Environmental Compliance: MCG (P500918)

Category  
Sub Category  
Administering Agency  
Planning Area

General Government  
County Offices and Other Improvements  
General Services (AAGE29)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

11/17/14  
No  
None  
Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,520	1,302	720	1,498	247	251	250	250	250	250	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	675	675	0	0	0	0	0	0	0	0	0
Construction	12,455	4,066	1,489	6,900	1,150	1,150	1,150	1,150	1,150	1,150	0
Other	2,393	2,393	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>19,043</b>	<b>8,436</b>	<b>2,209</b>	<b>8,398</b>	<b>1,397</b>	<b>1,401</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	18,913	8,436	2,079	8,398	1,397	1,401	1,400	1,400	1,400	1,400	0
Water Quality Protection Charge	130	0	130	0	0	0	0	0	0	0	0
<b>Total</b>	<b>19,043</b>	<b>8,436</b>	<b>2,209</b>	<b>8,398</b>	<b>1,397</b>	<b>1,401</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,397
Appropriation Request Est.	FY 18	1,401
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,645
Expenditure / Encumbrances		8,701
Unencumbered Balance		1,944

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 17 19,043
Last FY's Cost Estimate	16,243

#### Description

This project develops and implements plans for the prevention of pollution and the abatement and containment of potential pollution sources at County facilities - including the Department of Transportation, the Department of General Services depots and maintenance shops - as well as other county facilities and offices. This project provides for the design and construction of structural covered areas to ensure appropriate storage of hazardous materials and potential pollution sources at County depots. Work will also include replacement of the salt barns at County depots and addressing environmental compliance issues of Underground Storage Tanks (USTs) and associated piping at County facilities.

#### Estimated Schedule

FY17: Removal and replacement of the UST at Colesville Depot. FY18: Construction of water quality improvements and bulk material structure 1 of 3 at Silver Spring Depot.

#### Cost Change

Funding increase due to addition of FY21 and FY22.

#### Justification

This project is supported by the Pollution Prevention Plan (P2) for County facilities and the Storm Water Pollution Prevention Plans (SWPPP) for County facilities to comply with aspects of the Federal Clean Water Act National Pollutant Discharge Elimination System (NPDES) Notice of Intent (NOI). Each of the County maintenance facilities must implement appropriate pollution prevention techniques to reduce contamination of stormwater runoff. Covered areas are required under the NPDES for all hazardous products and liquid drums that are stored outside to avoid the potential of drum deterioration, leakage and/or runoff contamination. Structural improvements of covered areas and salt barn structures are scheduled at the Silver Spring, Poolesville, and Bethesda Depots. This project also includes efforts to address environmental compliance issues of USTs and associated piping at County facilities.

#### Coordination

Department of General Services, Department of Transportation, Department of Permitting Services, Department of Environmental Protection, Maryland Department of the Environment



## Energy Systems Modernization (P361302)

Category General Government  
 Sub Category County Offices and Other Improvements  
 Administering Agency General Services (AAGE29)  
 Planning Area Countywide

Date Last Modified 5/12/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,400	153	4,447	1,800	300	300	300	300	300	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	95,999	4,193	31,806	60,000	10,000	10,000	10,000	10,000	10,000	0
Other	1	1	0	0	0	0	0	0	0	0
<b>Total</b>	<b>102,400</b>	<b>4,347</b>	<b>36,253</b>	<b>61,800</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	2,400	39	561	1,800	300	300	300	300	300	0
Long-Term Financing	100,000	4,308	35,692	60,000	10,000	10,000	10,000	10,000	10,000	0
<b>Total</b>	<b>102,400</b>	<b>4,347</b>	<b>36,253</b>	<b>61,800</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	10,300
Appropriation Request Est.	FY 18	10,300
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		40,600
Expenditure / Encumbrances		4,407
Unencumbered Balance		36,193

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 17 102,400
Last FY's Cost Estimate	81,800

#### Description

This project provides a means to implement energy savings performance contracting as a mechanism to reduce the County's energy usage and perform strategic facility upgrades with significantly reduced capital costs. These contracts performed by Energy Services Companies (ESCOs) have been used extensively by the federal government and other state and local jurisdictions to accomplish energy saving retrofits in a variety of facility applications. For each facility proposed, a unique prescriptive energy conservation analysis (audit) is conducted. Savings are associated with each element (energy conservation measure) of the analysis. Ultimately, the compilation of the measures defines the project. Third party funding (bonds or commercial loans) covers the cost of the contract. A key feature of Energy Savings Performance Contracts (ESPC) is that no General Obligation (G.O.) bonds are required for the contract and construction costs. A financing mechanism is initiated to cover the cost of the contract and the repayment of the debt is guaranteed through the energy savings. G.O. Bonds are required to cover associated staffing costs.

#### Estimated Schedule

FY17 and FY18: 1301 Piccard, Pre-Release Center, Longwood Community Recreation Center, 8818 Georgia Ave, Kensington Park Library, Aspen Hill Library, UpCounty Regional Services Center

#### Cost Change

Increase due to funding for FY21-22.

#### Justification

Implementation of this project is consistent with the County's continuing objective to accomplish environmentally friendly initiatives as well as limit the level of G.O. Bonds. The ultimate objective of the individual building projects is to permanently lower the County's energy usage, reduce its carbon footprint and save considerable operating expenses.

#### Other

The proposals outlined in this program are developed in conjunction with the Department of General Services, the Department of Finance, and the Office of Management and Budget. Financial consultants will be employed to advise and guide the financial decisions. Projects will be implemented based on the potential for energy savings as well as operational and infrastructure upgrades.

#### Coordination

Department of General Services, Department of Finance, Office of Management and Budget

## EOB HVAC Renovation (P361103)

**Category** General Government  
**Sub Category** County Offices and Other Improvements  
**Administering Agency** General Services (AAGE29)  
**Planning Area** Rockville

**Date Last Modified** 5/19/16  
**Required Adequate Public Facility** No  
**Relocation Impact** None  
**Status** Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	8,000	0	0	8,000	0	0	0	2,000	6,000	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,000</b>	<b>6,000</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
G.O. Bonds	8,000	0	0	8,000	0	0	0	2,000	6,000	0	0
<b>Total</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>8,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,000</b>	<b>6,000</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 14
Last FY's Cost Estimate	8,000

#### Description

This project provides for the procurement and partial compensation of an Energy Service Company (ESCO) to replace the outdated and energy-inefficient HVAC systems in the Executive Office Building (EOB) located at 101 Monroe Street, Rockville, Maryland. The ESCO analyzes, designs, and constructs the energy-efficient Heating Ventilation, and Air Conditioning (HVAC) replacement systems. In return, the ESCO receives a portion of the saved energy costs in addition to direct compensation.

#### Location

101 Monroe St. Rockville, MD

#### Estimated Schedule

The ESCO analysis and design has been rescheduled to occur in FY20 with an agreement with the ESCO and construction occurring in FY20 and 21.

#### Justification

The EOB was built in 1979, and its HVAC system is over 30 years old. In 2006, the Department of General Services hired a consultant (URS Inc.) to conduct a condition assessment study to identify the condition of the HVAC system. The outcome of this study indicated that all equipment and components have reached the end of their economic life expectancy. Moreover, the existing all electric heating system is highly inefficient and is costly to operate. The consultant study recommended that the entire HVAC system be redesigned with state-of-the-art-technology, highly efficient equipment, and be replaced in its entirety. The ESCO approach to this project saves the County considerable upfront costs.

#### Fiscal Note

Project has been delayed due to fiscal affordability.

#### Coordination

Department of General Services, City of Rockville, Offices of the County Executive, Department of Technology Services, Department of Finance, Montgomery County Fire and Rescue Service, Department of Human Resources, Office of Management and Budget, Department of Transportation, Washington Gas, WSSC, PEPSCO

## HVAC/Elec Replacement: MCG (P508941)

Category  
Sub Category  
Administering Agency  
Planning Area

General Government  
County Offices and Other Improvements  
General Services (AAGE29)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

5/12/16  
No  
None  
Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	2,001	176	475	1,350	225	225	225	225	225	225	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,208	1,208	0	0	0	0	0	0	0	0	0
Construction	10,722	97	1,775	8,850	925	925	925	2,025	2,025	2,025	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>13,931</b>	<b>1,481</b>	<b>2,250</b>	<b>10,200</b>	<b>1,150</b>	<b>1,150</b>	<b>1,150</b>	<b>2,250</b>	<b>2,250</b>	<b>2,250</b>	<b>0</b>
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	13,931	1,481	2,250	10,200	1,150	1,150	1,150	2,250	2,250	2,250	0
<b>Total</b>	<b>13,931</b>	<b>1,481</b>	<b>2,250</b>	<b>10,200</b>	<b>1,150</b>	<b>1,150</b>	<b>1,150</b>	<b>2,250</b>	<b>2,250</b>	<b>2,250</b>	<b>0</b>
<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Energy				-561	-51	-68	-85	-102	-119	-136	
<b>Net Impact</b>				<b>-561</b>	<b>-51</b>	<b>-68</b>	<b>-85</b>	<b>-102</b>	<b>-119</b>	<b>-136</b>	

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,135
Appropriation Request Est.	FY 18	1,150
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,746
Expenditure / Encumbrances		1,979
Unencumbered Balance		1,767

Date First Appropriation	FY 96
First Cost Estimate	
Current Scope	FY 17 13,931
Last FY's Cost Estimate	9,781

#### Description

This project provides for the orderly replacement/renovation of outdated Heating, Ventilation, and Air Conditioning (HVAC) systems and electrical systems in County buildings. The Department of General Services (DGS) currently oversees, monitors and provides services for operation of the mechanical, electrical and fire protection systems of 250 County facilities with approximately 12 million square feet of occupied space. The project requires periodic condition assessments and renovation of the HVAC, plumbing, electrical, and control systems and equipment; overhauling the air distribution systems; electrical service upgrades.

#### Estimated Schedule

FY17: Grey Brick Courthouse boilers, MCCF boilers, Strathmore Mansion chillers, Shady Grove Kidstop Furnaces and A/C, Holiday Park Senior Center HVAC equipment replacements, PSHQ air handler and control upgrades. FY18: MCCF boilers, ECC upgrade data center HVAC, AFI Theater HVAC upgrades, Olney Pool HVAC replacement.

#### Cost Change

Increase due to the addition of FY21 and FY22 to this ongoing project.

#### Justification

Many HVAC, plumbing and electrical systems in County-owned buildings are outdated and well beyond economical repair, particularly in buildings which have not been renovated in many years. In the life of the buildings, the HVAC, plumbing and electrical systems require major renovation or replacement at least once every 25 years. These renovations will not only significantly extend the life of the County buildings, but convert the old mechanical/electrical systems to state-of-the-art energy efficient systems which improves indoor air quality. It conserves energy and saves resources. The criteria for selecting the County facilities for systems renovation or replacement include: mechanical/electrical systems degradation, high maintenance costs, high energy consumption, current code compliance, indoor air quality, and major change of the functional use of the building. Occupational Safety and Health Administration (OSHA) has issued proposed rules for providing quality of indoor air in the work place (OSHA 29 CFR parts 1910, 1915, and 1926). The rules require indoor air quality (IAQ) compliance plans to be implemented. The results of a facility condition assessment of 73 County facilities completed by a consultant in FY05, FY06 and FY07 have been used to prioritize the six-year program. The March 2010 Report of the Infrastructure Maintenance Task Force, identified an annual level of effort for HVAC/electrical replacement based on a 25 year life span.

#### Disclosures

Expenditures will continue indefinitely.

#### Coordination

Department of General Services, Departments affected by HVAC projects

## Red Brick Courthouse Structural Repairs (P500727)

Category	General Government	Date Last Modified	5/12/16
Sub Category	County Offices and Other Improvements	Required Adequate Public Facility	No
Administering Agency	General Services (AAGE29)	Relocation Impact	None
Planning Area	Rockville	Status	Final Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	3,625	292	0	2,542	0	0	0	1,041	889	612	791
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	227	0	0	80	0	0	0	0	0	80	147
Construction	15,606	295	0	8,983	0	0	0	0	0	8,983	6,328
Other	4	0	4	0	0	0	0	0	0	0	0
<b>Total</b>	<b>19,462</b>	<b>587</b>	<b>4</b>	<b>11,605</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,041</b>	<b>889</b>	<b>9,675</b>	<b>7,266</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	19,462	587	4	11,605	0	0	0	1,041	889	9,675	7,266
<b>Total</b>	<b>19,462</b>	<b>587</b>	<b>4</b>	<b>11,605</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,041</b>	<b>889</b>	<b>9,675</b>	<b>7,266</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		591
Expenditure / Encumbrances		587
Unencumbered Balance		4

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 15 19,462
Last FY's Cost Estimate	19,462

#### Description

Phase I of this project provided for the rehabilitation of the flooring system in the Red Brick Courthouse at 29 Courthouse Square in Rockville. The structural integrity of the flooring system was weakened by modifications made over the years to accommodate various electrical, mechanical, and plumbing systems. Phase II will provide for a historic rehabilitation of the Courthouse, to accommodate programmatic functions and requirements of current users and to preserve the building exterior and interior. Work will include the replacement of major building systems, modifications to make the facility compliant with the requirements for the Americans with Disabilities Act (ADA), repair for moisture infiltration issues, and repair and replacement of the building exterior, masonry, copper fittings, and roofing. All work will have to be performed in compliance with requirements and oversight of the Maryland Historical Society and per existing County regulation and easements.

#### Location

29 Courthouse Square Rockville, MD 20850

#### Estimated Schedule

Design is estimated to begin in FY20 and construction in FY22.

#### Justification

For Phase I, a structural engineer determined that some areas of the terra cotta arch and beam flooring system have been compromised by modifications that have been made for various electrical, mechanical, and plumbing systems. Access to certain areas on the first and second floors will be restricted until the problem is resolved. Phase II is the historic renovation of the building, which dates back to the 1800's. In 1995, the Courthouse had a small renovation to upgrade the HVAC and to provide an elevator. Currently, the slate roofing is deteriorating, as is the copper metal roofing on the steeple (both of which have reached the end of service life). The masonry joints need to be tuck-pointed on the exterior walls and parapets. This deterioration has allowed moisture infiltration, which has damaged the building, with repair efforts slowing but not stopping the problems. Along with accessibility issues, the HVAC, plumbing, and electrical systems are at the end of useful life. The fire prevention systems require redesign and installation to provide for better safeguards to prevent potential loss of the historic wood structure.

#### Other

This facility has been designated as a historic structure.

#### Fiscal Note

Project has been delayed due to fiscal affordability.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination

Department of General Services, Circuit Court, Department of Technology Services, City of Rockville, Montgomery County Sheriff, Department of Human Resources, Peerless Rockville, Montgomery County Historical Society

## Technology Modernization -- MCG (P150701)

Category  
Sub Category  
Administering Agency  
Planning Area

General Government  
County Offices and Other Improvements  
County Executive (AAGE03)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

4/19/16  
No  
None  
Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	134,353	110,412	19,305	4,636	4,636	0	0	0	0	0	0
and	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	56	0	56	0	0	0	0	0	0	0	0
<b>Total</b>	<b>134,409</b>	<b>110,412</b>	<b>19,361</b>	<b>4,636</b>	<b>4,636</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Contributions	1,615	1,340	275	0	0	0	0	0	0	0	0
Current Revenue: General	67,412	62,812	4,600	0	0	0	0	0	0	0	0
Federal Aid	741	0	0	741	741	0	0	0	0	0	0
and Sale	2,634	2,634	0	0	0	0	0	0	0	0	0
Recreation Fund	645	322	323	0	0	0	0	0	0	0	0
Recordation Tax Premium	2,623	2,623	0	0	0	0	0	0	0	0	0
Short-Term Financing	58,739	40,681	14,163	3,895	3,895	0	0	0	0	0	0
<b>Total</b>	<b>134,409</b>	<b>110,412</b>	<b>19,361</b>	<b>4,636</b>	<b>4,636</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Maintenance				2,802	467	467	467	467	467	467	467
Productivity Improvements				-29,148	-700	-3,472	-6,244	-6,244	-6,244	-6,244	-6,244
Program-Staff				858	143	143	143	143	143	143	143
Program-Other				10,374	1,054	1,864	1,864	1,864	1,864	1,864	1,864
<b>Net Impact</b>				<b>-15,114</b>	<b>964</b>	<b>-998</b>	<b>-3,770</b>	<b>-3,770</b>	<b>-3,770</b>	<b>-3,770</b>	<b>-3,770</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		134,409
Expenditure / Encumbrances		126,901
Unencumbered Balance		7,508

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 17 134,409
Last FY's Cost Estimate	134,909

Description

## Technology Modernization – MCG (P150701)

This project provides for the replacement, upgrade, and implementation of IT initiatives that will ensure ongoing viability of key processes, replace outdated and vulnerable systems, and produce a high return in terms of customer service and accountability to our residents. Major new IT systems that have been completed through this project include the Enterprise Resource Planning (ERP) Financial and Human Resources modules, foundation phase of the 311/Constituent Relationship Management (CRM), Electronic Time reporting (MCTime), and related Business Process Review (BPR). Planning activities for the Department of Health and Human Services (HHS) technology modernization of key systems and processes are underway. The Budgeting module of the ERP system (Hyperion) and additional self-service functionality is currently underway and the workforce component of the Hyperion System has been completed. The ERP project was implemented to modernize Core Business Systems to improve the efficiency, effectiveness, and responsiveness of the County Government. In addition, modernization of the County's Tax Assessment Billing System is underway. This system is used to annually calculate and bill County residents for County and municipal property taxes, solid waste fees, water quality fees, Washington Suburban Sanitary Commission (WSSC) fees, and other fees, taxes, and related credits. The HHS program provides for the development and implementation of an Enterprise Integrated Case Management (EICM) system as part of a larger Process and Technology Modernization (PTM) program that will move the department from a traditional agency-centric model of practice to a more effective client-centered model of practice. As part of this initiative, the EICM project will upgrade obsolete IT systems and information processes to avoid duplication of data entry, reduce ineffective coordination of services, and minimize inefficiencies resulting from legacy systems. The Active Network (ActiveNet) upgrade for the Department of Recreation, Community Use of Public Facilities (CUPF), and the Maryland-National Capital Park and Planning (M-NCPPC) involves the replacement of the existing CLASS registration and payment system. The Gilchrist Center is also in need of a platform to register its clients for programs and activities. Implementation involves analysis and realignment of business practices and procedures, system configuration, web-site designs; redesign/testing of ERP interfaces; and new Accounts Receivable functions. An Interagency Governance Committee comprised of managers from each participating department/agency will make decisions balancing the needs of each department.

### Cost Change

The cost decrease is due to shifting the FY17 funding in Current Revenue to the HHS Operating budget.

### Justification

According to a 2004 ranking of major existing technology systems based on their current health and relative need for upgrade or replacement, the County's then current core business systems (ADPICS, FAMIS, BPREP, and HRMS) were ranked as Priority #1, which means obsolete or vulnerable critical system in immediate risk of failure. These at-risk systems were replaced with a state of the art ERP system which provides a common database supporting financials, procurement, budget, and HR/payroll, and includes system-wide features for security, workflow, and reporting, and up-to-date technology architecture. Tax Assessment Billing System: The current system is over 30 years old, is only internally supported, and is used for the collection of over \$2 billion in revenues annually. Health and Human Services EICM: This technology modernization effort will ensure ongoing viability of key processes, replace outdated and vulnerable systems, create staff operating efficiencies, and produce a high return in terms of customer service and accountability to our residents. Related plans and studies include the Information Technology Interagency Funding and Budgeting Committee's report of September 30, 2003, the Montgomery County Government FY06 IT Budget Overview prepared by Department of Technology Services, and the FY14 Process and Technology Modernization Readiness Assessment conducted by the Gartner consulting group. Recreation, CUPF, and M-NCPPC: The Active Network announced that they will release one more version upgrade of CLASS, scheduled for first quarter of 2014. After this release, there will be no further development of the CLASS software and maintenance/support will be phased out of the CLASS software (ending by December, 2017). A feasibility study determined that the Active Network's browser based application, ActiveNet, is the only software with sufficient functionality and processing capability to meet the needs of a joint registration and facility management system in a single database for Recreation, CUPF, MNCPPC, and the Gilchrist Center. The system will also improve customer service by providing a one-stop access point.

### Other

The Technology Modernization - MCG project is intended to serve as an ongoing resource for future IT modernization and related process engineering to the County Government's business systems beyond the currently defined project scope. Future projects may include the following: CRM - Citizen Relationship Management Phase II: This initiative will extend the service to municipalities in the County and other County agencies (e.g. Board of Education, M-NCPPC, Montgomery College). This initiative will proceed based upon interest from these organizations and agreement on funding. Objectives include creation of a Citizen Relationship Management (CRM) program to develop or convert automated capabilities for all appropriate County services including: Case Management Events, Management Field Services, Grants Management, Help Desk Solutions, Point of Sales, Resident Issue Tracking System, Work Order Processing System, ERP - Enterprise Resource Planning, Business Intelligence/Data Warehouse Development, Loan Management, Property Tax Billing and Collection, Public Access to Contractor Payments, Upgrade to Oracle E-Business/Kronos/Siebel, and Enhancements to comply with evolving Payment Card Industry (PCI) mandates.

### Fiscal Note

## Technology Modernization -- MCG (P150701)

Project funding includes short-term financing for integrator services and software costs. The Operating Budget Impact (OBI) estimates have been reduced to reflect the full accounting of ERP operating costs in the Operating budget. ERP: Funding through FY15 and FY16 estimated is now adjusted to reflect actual transfer by the Board of Investment Trustees (BIT) as Contributions and from the Department of Liquor Control and the Group Insurance Fund to the General Fund as Current Revenue: General. HHS: Due to delays in the State's process for seeking federal reimbursements for capital IT upgrades, Federal Aid is only assumed in FY17. HHS will continue to seek federal aid as the State updates its process. If the State is continuously unsuccessful to receive federal reimbursements, short-term financing will be used as an alternative funding source. ActiveNet: \$645,000 will be appropriated from the Current Revenue: Recreation Fund in FY15 for the ActiveNet upgrade; Recreation will charge CUPF and M-NCPPC for their share of the project's expenditures based on a proportionate share of each party's use of ActiveNet.

### **Coordination**

MCG efforts are coordinated with applicable agencies during the project planning, requirements gathering, and requests for proposal (RFP) phases: Offices of the County Executive, Office of the County Council, Department of Finance, Department of Technology Services, Office of Procurement, Office of Human Resources, Office of Management and Budget, Department of Health and Human Services, Department of Recreation, Community Use of Public Facilities, and the Maryland-National Capital Park and Planning Commission, Gilchrist Center or CEC, all MCG Departments and Offices, Maryland Department of Human Resources, Maryland Department of Health and Mental Hygiene.

## Fibernet (P509651)

Category General Government  
 Sub Category Technology Services  
 Administering Agency Technology Services (AAGE05)  
 Planning Area Countywide

Date Last Modified 11/17/14  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	7,244	3,046	0	4,198	731	724	719	705	614	705	0
Land	1,819	4	0	1,815	225	300	300	300	390	300	0
Site Improvements and Utilities	14,568	13,568	0	1,000	200	200	200	200	200	0	0
Construction	19,632	8,839	2,375	8,418	2,040	1,466	1,421	1,045	1,455	991	0
Other	32,740	24,210	1,723	6,807	497	1,200	1,200	1,500	910	1,500	0
<b>Total</b>	<b>76,003</b>	<b>49,667</b>	<b>4,098</b>	<b>22,238</b>	<b>3,693</b>	<b>3,890</b>	<b>3,840</b>	<b>3,750</b>	<b>3,569</b>	<b>3,496</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Cable TV	63,123	36,787	4,098	22,238	3,693	3,890	3,840	3,750	3,569	3,496	0
Contributions	1,624	1,624	0	0	0	0	0	0	0	0	0
Current Revenue: General	256	256	0	0	0	0	0	0	0	0	0
G.O. Bonds	4,074	4,074	0	0	0	0	0	0	0	0	0
PAYGO	6,926	6,926	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>76,003</b>	<b>49,667</b>	<b>4,098</b>	<b>22,238</b>	<b>3,693</b>	<b>3,890</b>	<b>3,840</b>	<b>3,750</b>	<b>3,569</b>	<b>3,496</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,693
Appropriation Request Est.	FY 18	3,890
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		53,765
Expenditure / Encumbrances		49,667
Unencumbered Balance		4,098

Date First Appropriation	FY 96
First Cost Estimate	
Current Scope	FY 17 76,003
Last FY's Cost Estimate	61,332

#### Description

FiberNet CIP provides for the planning, design, and installation of a county wide electro-optical communication network with the capacity to support voice, public-safety, traffic management, data, Internet access, wireless networking (including public WiFi) and video transmissions among Montgomery County Government (MCG), Montgomery County Public Schools (MCPS), Montgomery College (MC), Maryland National Capital Park and Planning Commission (M-NCPPC), Housing Opportunities Commission (HOC) and Washington Suburban Sanitary Commission (WSSC) facilities. FiberNet is the communications backbone for the Public Safety Radio and Public Safety Mobile Data Systems (collectively, Public Safety Communications System (PSCS)), and future technology implementations (including 800 MHz IP public safety radio). FiberNet's outside physical plant has a practically unlimited useful life. Upgrades and replacements to electronic components in the core and at user sites will be required periodically throughout the service life. Each generation of FiberNet electronic components have an estimated useful life of at least 10 years. FiberNet I is a legacy network still used to support specific public safety and traffic communications. FiberNet II is being used to support all County communications services including 311, e-mail, Internet and local cable channel video. FiberNet III is in the pilot and planning phase. When implemented, FiberNet III equipment will allow faster, higher capacity, more reliable means of optical networking. Using optical technology, all three generations of FiberNet can be run on the same outside physical plant.

#### Estimated Schedule

At the end of FY15, FiberNet reached 476 Locations. Based on the current funding schedule, FiberNet is scheduled to reach 526 Locations by the end of FY16; 551 locations by the end of FY17; and 576 locations by the end of FY18. The Traffic Management network reaches over 210 traffic cameras and 850 traffic signals with plans to add 200 pedestrian safety beacons. By the end of FY18 - and including sites connected by private carriers and institutional partners - FiberNet is expected to have a total of more than 1,825 sites on the network serving a tremendous variety of facilities from pedestrian beacons, wine and liquor stores to major campus networks and large multi-story office buildings. The focus remains on the completion of adding MCPS elementary schools, performing hub-site upgrades, adding new sites and constructing inter-jurisdictional connections to enable cost-effective future technology partnerships such as supporting fiber to the University of Maryland along the Purple Line and the Federal Exchange's 100G pilot.

#### Cost Change

Cost change is due to addition of FY21 and FY22 to this project, major hub relocations and upgrades, IP video distribution, registering and monitoring underground plant with Miss Utility, and completing new site constructions. Expenditure increase is funded by restricted-use Cable Fund PEG/I NET capital grant revenue that the county has a legal obligation to spend on appropriate uses.

#### Justification



## FiberNet (P509651)

FiberNet is a critical infrastructure asset providing communication services and applications to every agency in Montgomery County. As more services are offered electronically (e-applications, e-payment, e-document, e-storage, e-learning) it is critical that every County location has robust access to FiberNet, and that FiberNet be secure, reliable, and always-on.

### **Fiscal Note**

There will be more restricted-use Cable Fund PEG/I NET capital grant funding available through the County's three cable franchise agreements because the County has demonstrated the continuing need for expansion and upgrade of the FiberNet network. Previously, funding for the FiberNet CIP was provided by the General Fund, Cable Fund cable franchise fees, and restricted-use Cable Fund PEG/I NET capital grants. Funding for future years of the FiberNet CIP will be from restricted-use Cable Fund PEG/I NET capital grants. FiberNet operations and maintenance (O&M) activities are a critical component of FiberNet's utility but are not funded by the FiberNet CIP. O&M expenses have been partially funded by a Comcast FiberNet operations grant. In the renewed Comcast franchise transmitted by the County Executive for Council approval, restricted-use grant funding available to support FiberNet O&M will be reduced and a greater portion of FiberNet O&M will be funded by Cable Fund franchise fee revenue. In FY16 funds were also used to support Government and Educational ultraMontgomery broadband initiatives.

### **Coordination**

DTS, Department of Transportation, Advanced Transportation Management System Project, Montgomery County Public Schools, M-NCPPC, MC, HOC, WSSC, PSCS, Information Technology Policy Coordination Committee (ITPCC), ITPCC CIO Subcommittee, and Interagency Technology Advisory Group (ITAG).

## Integrated Justice Information System (P340200)

Category General Government  
 Sub Category Technology Services  
 Administering Agency Technology Services (AAGE05)  
 Planning Area Countywide

Date Last Modified 4/26/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,200	0	1,200	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	14,623	14,154	313	156	156	0	0	0	0	0	0
<b>Total</b>	<b>15,823</b>	<b>14,154</b>	<b>1,513</b>	<b>156</b>	<b>156</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	10,443	8,774	1,513	156	156	0	0	0	0	0	0
Federal Aid	5,380	5,380	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>15,823</b>	<b>14,154</b>	<b>1,513</b>	<b>156</b>	<b>156</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	100
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		15,723
Expenditure / Encumbrances		14,164
Unencumbered Balance		1,559

Date First Appropriation	FY 02	
First Cost Estimate		
Current Scope	FY 17	15,823
Last FY's Cost Estimate		15,667

#### Description

The Integrated Justice Information System (IJIS) will facilitate the exchange of data about criminals and criminal activity between Montgomery County agencies, the State of Maryland, and the Federal government. IJIS will simplify the steps for users to access data such as warrant and criminal background checks, while maintaining proper security and automatically exchanging data between appropriate agencies and systems. IJIS will be designed, implemented, and maintained to provide timely and appropriate data to field personnel in a clear and effective manner. Most field personnel will log on via a secure web site and view a simple menu of reports to access the data appropriate to their job function (e.g., a criminal background check on prisoners about to be released). IJIS will also be capable of routing data and/or warnings to the appropriate systems and personnel when certain events occur (e.g., if a person in the custody of the County is listed on a warrant from another jurisdiction). IJIS will link different data systems that are required to exchange data (e.g., arrest data between the Police department, the State of Maryland, the Courts, the Department of Correction and Rehabilitation, and the Federal Bureau of Investigation). The implementation of the Food Services and Time Scheduling modules of the Corrections and Rehabilitation Information Management System (CRIMS) will provide for an integrated Food Services solution allowing the easy identification of offenders requiring specialized diets based on, for example, medical needs. The Time Scheduling module will allow for the integration to MCTime, allowing for end-to-end scheduling and payroll activities.

#### Estimated Schedule

Estimated completion date for project is FY17.

#### Cost Change

Cost change is due to addition of funds to address security issues and to implement an efficient expungement process.

#### Justification

IJIS will directly improve the delivery of public safety services to the estimated one million residents of Montgomery County and facilitate easier data transfers between Montgomery County and both the State and Federal public safety agencies. Criminal justice agencies in Montgomery County have embarked upon major business process changes by introducing the use of open and flexible information technology systems. Currently criminal justice agencies utilize a single system to hold criminal justice-related data known as the Criminal Justice Information System (CJIS). CJIS has reached the end of its useful life, especially with respect to changes to data structure and functionality. As new systems go on-line, data must still be exchanged between all the criminal justice agencies (e.g., outstanding arrest warrants, warnings about former prisoners if they are picked up in an arrest after their incarceration, domestic violence information, etc.). If this data is not exchanged properly, the lives of public safety personnel and the general public could be endangered. An interagency project team has developed a detailed design and business process analysis for an Integrated Justice Information System (IJIS) that will ensure that criminal justice agencies can accomplish their individual mission goals, while still exchanging data that is vital to the public's safety.

#### Fiscal Note

In FY16, \$56,000 in Current Revenue was transferred from the Voice Mail System Replacement CIP (P340700). Addition of \$100,000 to address security issues and implement an efficient expungement process.

#### Coordination

## Integrated Justice Information System (P340200)

Department of Technology Services, Criminal Justice Coordinating Commission and member agencies, Office of Management and Budget, Office of Intergovernmental Relations, State of Maryland, United States Department of Justice, Public Safety Communications Systems project team

## Public Safety System Modernization (P340901)

Category  
 Sub Category  
 Administering Agency  
 Planning Area

General Government  
 County Offices and Other Improvements  
 County Executive (AAGE03)  
 Countywide

Date Last Modified  
 Required Adequate Public Facility  
 Relocation Impact  
 Status

5/3/16  
 No  
 None  
 Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	9,543	536	5,692	3,315	1,330	1,050	935	0	0	0
and	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	66,540	0	10,936	55,604	16,118	24,386	15,100	0	0	0
Other	34,733	34,733	0	0	0	0	0	0	0	0
<b>Total</b>	<b>110,816</b>	<b>35,269</b>	<b>16,628</b>	<b>58,919</b>	<b>17,448</b>	<b>25,436</b>	<b>16,035</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	9,543	4,121	2,107	3,315	1,330	1,050	935	0	0	0
Federal Aid	3,043	2,947	96	0	0	0	0	0	0	0
G.O. Bonds	54,932	1,393	5,935	47,604	12,118	22,386	13,100	0	0	0
Short-Term Financing	43,298	26,808	8,490	8,000	4,000	2,000	2,000	0	0	0
<b>Total</b>	<b>110,816</b>	<b>35,269</b>	<b>16,628</b>	<b>58,919</b>	<b>17,448</b>	<b>25,436</b>	<b>16,035</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Maintenance				3,600	600	600	600	600	600	600
Program-Staff				1,200	200	200	200	200	200	200
Program-Other				1,584	264	264	264	264	264	264
<b>Net Impact</b>				<b>6,384</b>	<b>1,064</b>	<b>1,064</b>	<b>1,064</b>	<b>1,064</b>	<b>1,064</b>	<b>1,064</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,180
Appropriation Request Est.	FY 18	1,067
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		106,633
Expenditure / Encumbrances		46,924
Unencumbered Balance		59,709

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 17 110,816
Last FY's Cost Estimate	109,708

#### Description

This program will provide for phased upgrades and modernization of computer aided dispatch (CAD), law enforcement records management system (LE RMS), and voice radio systems used primarily by the County's public safety first responder agencies including Police, Fire and Rescue, Sheriff, Corrections and Rehabilitation, and Emergency Management and Homeland Security. The modernization will include replacement of the current CAD/LE RMS system, replacement of public safety mobile and portable radios, upgrade of non-public safety mobile and portable radios, and replacement of core voice radio communications infrastructure. The previously approved Fire Station Alerting System Upgrades project (CIP #451000) was transferred to this project in order to coordinate the upgrades with the new CAD system. The alerting system upgrades will modernize the fire station alerting systems at 43 existing work sites, maintaining the ability to notify fire and rescue stations of emergencies. The alerting system, including audible and data signals, is essential for the notification of an emergency and the dispatch of appropriate response units from the County. As voice, data, and video are beginning to converge to a single platform, this project will provide a pathway to a modern public safety support infrastructure that will enable the County to leverage technology advances and provide efficient and reliable systems for first responders. This project will follow the methodologies and strategies presented in the Public Safety Systems Modernization (PSSM) plan completed in July 2009.

#### Cost Change

Cost changes due to the continuation of staff resources through FY19 and revised estimates for radio infrastructure.

#### Justification

## Public Safety System Modernization (P340901)

The public safety systems require modernization. The CAD system is reaching the end of useful life and does not meet the County's current operational requirements, impacting the response time of first responders to 9-1-1 calls. The CAD Roadmap Study, completed in March 2009, recommended replacement of the system to address existing shortcomings and prepare for the next generation 9-1-1 systems. The manufacturer's support for the voice radio system has begun to be phased out as of December 31, 2009. Beyond that date, the manufacturer will only continue to provide system support on an as available basis, but will not guarantee the availability of parts or technical resources. The CAD modernization has initiated a detailed planning phase that included the use of industry experts to assist with business process analysis and to develop detailed business and technical requirements for the new CAD system. This process will allow the County to incorporate lessons learned and best practices from other jurisdictions. As more of the County's regional partners migrate to newer voice technologies, it will affect interoperable voice communications. To ensure that the County maintains reliable and effective public safety (voice radio) communications for the operations of its first responders and to sustain communications interoperability for seamless mutual aid among its regional partners, the County needs to implement a project to upgrade and modernize its portable and mobile radio units and subsequently the radio voice communications infrastructure. Acceleration of the public safety radio purchases was initiated to take advantage of a Partial Payment in Lieu of Re-Banding offer from Sprint/Nextel toward the financing of new, upgraded, P-25 compliant public safety radios and to meet the Federal Communications Commission (FCC) mandated 800 MHz frequency rebanding requirements for nationwide public safety radio frequency interoperability. Now, the installation of the new core radio communication infrastructure is needed. The fire station alerting system upgrades were identified as a need under Section 5 of the MCFRS Master Plan (adopted by the County Council in October 2005) and detailed in the Station Alerting and Public Address (SA/PA) System for Fire/Rescue Stations, Rev 1, 2006. This project allows for the continuous and seamless functioning of the alerting systems within each fire station. A preliminary survey by DTS of existing conditions at all stations revealed system-wide concerns, including inadequate spare parts inventory and lack of available maintenance support for alerting systems.

### Other

\$20.936 million was appropriated in FY11 to purchase P-25 compliant radios that allowed the County to complete immediate re-banding within the 800 MHz frequency as required by the FCC. The radio replacement program includes the M-NCPPC Montgomery County Park Police. The future purchase of public safety radios (other than to replace broken equipment) must be able to be supported by a P25 Phase-2 compliant infrastructure. The use of State of Maryland infrastructure will be aggressively pursued in order to minimize costs to Montgomery County. The CAD procurement request will reflect the County's interest in maintaining the station alerting functionality at the current level or better through the CAD system. The RFP for CAD replacement will include replacement of the following systems: CAD, mapping, and the existing Law Enforcement Records Management and Field Reporting systems. Coordination with participating department/agencies and regional partners will continue throughout the project.

### Fiscal Note

Funding in FY09 included Urban Area Security Initiative (UASI) grant funding of \$2.055 million and Fire Act grant funding of \$988,000.

### Coordination

PSSM Executive Steering Group, Executive Program Directors, Department of Technology Services, Department of Police, Montgomery County Fire and Rescue Service, Sheriff's Office, Department of Correction and Rehabilitation, Office of Emergency Management and Homeland Security, Department of Transportation, Department of Liquor Control, Montgomery County Public Schools (MCPS), Maryland-National Park and Planning Commission (M-NCPPC) Park Police, Washington Metropolitan Area Transit Authority (WMATA)

## ultraMontgomery (P341700)

Category General Government.  
 Sub Category Technology Services  
 Administering Agency Technology Services (AAGE05)  
 Planning Area Countywide

Date Last Modified 5/9/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Preliminary Design Stage

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	475	0	0	475	25	130	230	30	30	30	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	4,049	0	0	4,049	1,099	550	450	650	650	650	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,524</b>	<b>0</b>	<b>0</b>	<b>4,524</b>	<b>1,124</b>	<b>680</b>	<b>680</b>	<b>680</b>	<b>680</b>	<b>680</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Cable TV	4,524	0	0	4,524	1,124	680	680	680	680	680	0
Current Revenue: General	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,524</b>	<b>0</b>	<b>0</b>	<b>4,524</b>	<b>1,124</b>	<b>680</b>	<b>680</b>	<b>680</b>	<b>680</b>	<b>680</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,124
Appropriation Request Est.	FY 18	236
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation		
First Cost Estimate		
Current Scope	FY 17	4,524
Last FY's Cost Estimate		0

#### Description

The ultraMontgomery CIP provides for capital funding to support Montgomery County's ultraMontgomery economic development program. Funding will support planning, engineering, design, and construction of: 1.) construction of an East County Fiber Highway to interconnect FiberNet in White Oak to Maryland's Inter-County Broadband Network (ICBN) and the Johns Hopkins University Applied Physics Lab (APL); 2.) creation of a 100 gigabit Federal Exchange network, beginning with interconnection of the County's FiberNet communications network to the federal agencies, National Institute of Technology Standards (NIST) and the National Cybersecurity Center of Excellence (NCCoE); 3.) design and engineering between Bethesda, Silver Spring and the University of Maryland College Park under or near the Purple Line transit route; and 4.) interconnection of FiberNet to high capacity, low-latency, dark fiber networks that reach 35 data centers in Ashburn, VA and multi-tenant data centers within Montgomery County.

#### Estimated Schedule

The NIST/NCCoE interconnections will be completed in FY16. Design and engineering for the East County Fiber Highway will be completed in FY16, with construction expected to be completed within FY18. Ashburn dark fiber route and data center interconnections will be coordinated with private sector construction, but are anticipated to be completed within FY17. Design and engineering along or near the Purple Line is expected to begin in FY17, but is dependent on the Purple Line and third-party construction schedules.

#### Justification

ultraMontgomery was officially launched by the County Executive in December 2014 as one of the County Executive's Six Economic Priorities. ultraMontgomery is designed to expand the STEM (science, technology, engineering, mathematics) and STEAM (STEM plus art and design) jobs and businesses that depend on high-speed, secure, and reliable broadband services and networks. The ultraMontgomery program focuses on four areas: government and education; economic and business development; connected communities; and public awareness and promotion. Federal, state and local governments, as well as community colleges and higher education entities, are both major employers within Montgomery County and increasing important partners to grow the cybersecurity, financial services, biotech and scientific innovation, Internet of Things, media, and next-generation Internet services and gigabit economy private sector businesses within the County. In addition, the County must ensure that all of our residents can participate in the Internet economy, and that the business community is aware of the breadth, diversity and robust assets and opportunities that exist within the County.

#### Other

FY16 ultraMontgomery funding was contained in the FiberNet CIP. FY16 and FY17 funding is provided from the Cable Fund PEG/I-Net Capital Grant and will be used consistent with the restricted government and educational purposes of that Grant.

#### Coordination

FiberNet (p509651) Purpleline Department of Transportation DTS Montgomery County Public Schools M-NCPPC MC HOC PSCS Information Technology Policy Coordination Committee (ITPCC) ITPCC CIO Subcommittee and Interagency Technology Advisory Group (ITAG)

## Clarksburg Fire Station (P450300)

Category                      Public Safety  
 Sub Category                Fire/Rescue Service  
 Administering Agency      General Services (AAGE29)  
 Planning Area                Clarksburg

Date Last Modified                      5/9/16  
 Required Adequate Public Facility    No  
 Relocation Impact                      None  
 Status                                        Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
Planning, Design and Supervision	4,583	714	0	3,869	0	565	1,230	1,105	969	0	0
Land	1,663	1,663	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	4,787	2	0	4,785	0	0	944	1,509	2,332	0	0
Construction	11,612	0	0	11,612	0	0	488	7,445	3,679	0	0
Other	6,601	10	0	6,591	0	0	0	1,996	4,595	0	0
<b>Total</b>	<b>29,246</b>	<b>2,389</b>	<b>0</b>	<b>26,857</b>	<b>0</b>	<b>565</b>	<b>2,662</b>	<b>12,055</b>	<b>11,575</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	29,246	2,389	0	26,857	0	565	2,662	12,055	11,575	0	0
<b>Total</b>	<b>29,246</b>	<b>2,389</b>	<b>0</b>	<b>26,857</b>	<b>0</b>	<b>565</b>	<b>2,662</b>	<b>12,055</b>	<b>11,575</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Energy				75	0	0	0	0	0	75
Maintenance				85	0	0	0	0	0	85
<b>Net Impact</b>				<b>160</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>160</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,226
Expenditure / Encumbrances		2,389
Unencumbered Balance		837

Date First Appropriation	FY 03	
First Cost Estimate		
Current Scope	FY 17	29,246
Last FY's Cost Estimate		28,409

#### Description

This project provides for a new Fire and Rescue Station in the Clarksburg area and the purchase of associated apparatus. The new station will be constructed in accordance with square footage specifications of the prototype Program of Requirements (POR) for a Class I Fire Station. A Class I Fire Station is approximately 22,600 gross square feet and includes apparatus bays, dormitory and support space, living and dining areas, administrative offices, and a meeting/training room. This station will include offices for a Battalion Chief, a Police satellite facility, additional space for the Upcounty Regional Services Center and personal protective equipment storage totaling 2,589 square feet. On-site parking will be provided. Fire/Rescue apparatus to be purchased for this station includes an aerial truck, a tanker and a brush truck.

#### Location

Clarksburg.

#### Estimated Schedule

The fire station planning and design is complete through the design development stage. Design to begin in FY18 with construction in FY19-21.

#### Cost Change

Cost increase is due to delay.

#### Justification

A new station will be necessary in this area due to the present and projected population density for the Clarksburg area. The Clarksburg population is expected to increase from 13,766 in 2010 to almost 40,000 by 2025. The Clarksburg Town Center is envisioned to include a mix of housing, commercial, retail, recreation and civic uses with the Clarksburg Historic District as the focal point. Residential areas include the Newcut Road neighborhood, the Cabin Branch neighborhood, the Ten Mile Creek area, the Ridge Road transition area, the Brink Road transition area, as well as projected residential development in the Transit Corridor District and the Gateway Center. This project is recommended in the Fire, Rescue, Emergency Medical Services and Community Risk Reduction Master Plan approved by the County Council in October 2005 and the Montgomery County Fire and Rescue Service Station Location and Resource Allocation Work Group, Phase I Report, "Need for Upcounty Fire-Rescue Resource Enhancements, October 14, 1999. Development of this facility will help Montgomery County meet the NFPA 1710 Guidelines.

#### Other

Project only includes cost to provide sewer service to the station. Alternative approaches to providing sewer service to the historic district are being explored.

#### Fiscal Note

The latest schedule reflects a six-month delay. Debt service for this project will be financed with Consolidated Fire tax District Funds.

#### Disclosures

## Clarksburg Fire Station (P450300)

A pedestrian impact analysis will be performed during design or is in progress.

### **Coordination**

Montgomery County Fire and Rescue Service, Department of Police, Upcounty Regional Services Center, Department of General Services, Department of Permitting Services, Department of Technology Services, M-NCPPC, State Highway Administration, WSSC, Special Capital Projects Legislation [Bill No. 07-06] was adopted by Council May 25, 2006 and reauthorization will be requested prior to construction.



## Future Fire Stations Program (P451702)

Category: Public Safety  
 Sub Category: Fire/Rescue Service  
 Administering Agency: General Services (AAGE29)  
 Planning Area: Gaithersburg

Date Last Modified: 11/17/14  
 Required Adequate Public Facility: No  
 Relocation Impact: None  
 Status: Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	8,900	0	0	4,500	0	0	0	1,000	1,500	2,000	4,400
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3,270	0	0	1,570	0	0	0	0	0	1,570	1,700
Construction	28,800	0	0	5,200	0	0	0	0	0	5,200	23,600
Other	2,530	0	0	230	0	0	0	0	0	230	2,300
<b>Total</b>	<b>43,500</b>	<b>0</b>	<b>0</b>	<b>11,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000</b>	<b>1,500</b>	<b>9,000</b>	<b>32,000</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	43,500	0	0	0	0	0	0	1,000	1,500	9,000	32,000
<b>Total</b>	<b>43,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000</b>	<b>1,500</b>	<b>9,000</b>	<b>32,000</b>

**APPROPRIATION**

Appropriation Request	FY 17	
Appropriation Request Est.	FY 18	
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

**EXPENDITURE DATA (000s)**

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 17 43,500
Last FY's Cost Estimate	0

DELETED

**Description**

This project provides for planning, design and construction of additional fire stations to be located in high-density areas of the County where the FY15 incident call load was high and expected to increase, and where response times need to be reduced to meet MCFRS benchmark goals. Based on the status of economic development activity, the new stations will be designed to meet current and future operational requirements of modern firefighting required to support the community. Once sites are identified and acquired, new stations will become standalone projects. Potential locations for future fire stations include the Shady Grove and Montgomery Village areas.

**Estimated Schedule**

Design will begin in FY20, and construction in FY22.

**Justification**

Justification for new stations can be found in the MCFRS Station Location and Resource Allocation Study. The need for new stations will be identified based on response times, call load, and projected growth.

**Fiscal Note**

Land Acquisition Cost will be added once site selection is complete and funding for apparatus will be required prior to the opening of each station.

**Coordination**

Montgomery County Fire and Rescue Service, Local Volunteer Fire and Rescue Departments, Department of General Services

# Rockville Fire Station 3 Renovation (P450105)

Category  
Sub Category  
Administering Agency  
Planning Area

Public Safety  
Fire/Rescue Service  
General Services (AAGE29)  
Rockville

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

11/17/14  
No  
None  
Planning Stage

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0
and	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	500	0	0	500	0	0	500	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Fire Consolidated	500	0	0	500	0	0	500	0	0	0
<b>Total</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	
First Cost Estimate	
Current Scope	FY 15 500
Last FY's Cost Estimate	500

#### Description

This project provides partial funding for the renovation and enhancement of Rockville Fire Station 3, which was constructed in 1965. The scope of work includes: structural repairs; ADA accessibility improvements; an addition to increase living and bunk space; maintenance bay reconfiguration and conversion to locker area; and improvements in kitchen, living area, administrative area, and bunk rooms. Other facility repairs include replacement of the existing roof and paved parking lot surface. The enhanced station will be built on the existing Station 3 site.

#### Location

380 Hungerford Dr, Rockville

#### Justification

The present facility does not comply with current building or ADA code requirements for fire suppression sprinklers, HVAC and electrical systems, personnel living quarters, and work space. The consulting structural engineer recommended that a complete renovation to the existing facility would be more cost effective in the long-run than multi-year partial repairs. Architectural plans have been submitted and approved by the Rockville Volunteer Fire Department (RVFD) Board of Directors.

#### Other

The total project cost is expected to be \$5,478,000. This PDF reflects a one-time County contribution of \$500,000 for this project. The remaining expenditures will be mostly funded with non-tax funds provided by the Rockville Volunteer Fire Department (RVFD). Partial funding may also be provided through the State of Maryland Senator William H. Amoss Fire, Rescue, and Ambulance fund. The RVFD developed cost estimates for this project through an independent cost estimator. The RVFD will be the contract manager for this project.

#### Coordination

City of Rockville, Fire and Rescue Commission, Montgomery County Fire and Rescue Service, Department of General Services, Division of Capital Development, Rockville Volunteer Fire Department.

## Long Branch Town Center Redevelopment (P150700)

Category General Government  
 Sub Category Economic Development  
 Administering Agency County Executive (AAGE03)  
 Planning Area Silver Spring

Date Last Modified 11/17/14  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	300	0	100	200	200	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>300</b>	<b>0</b>	<b>100</b>	<b>200</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	300	0	100	200	200	0	0	0	0	0	0
<b>Total</b>	<b>300</b>	<b>0</b>	<b>100</b>	<b>200</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		300
Expenditure / Encumbrances		0
Unencumbered Balance		300

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 13 300
Last FY's Cost Estimate	300

#### Description

This project provides for planning and infrastructure needed to support redevelopment in the Long Branch Sector Plan area. The construction of the Purple Line will influence the development potential of the sector plan area. Two Purple Line stations are planned in Long Branch - one on Arliss Street, just to the north of Piney Branch Road, and the other on University Boulevard, just south of its intersection with Piney Branch Road. The County will coordinate through a multi-departmental approach that will include DGS, DOT, DHCA and the RSC. Activities will also be planned in partnership with the Maryland Transit Administration (MTA), property owners and businesses in this sector plan area with input from the surrounding Long Branch community. M-NCPPC will assist by participating in the development review process. The State will have the primary responsibility for coordinating efforts to mitigate impacts of the Purple Line in Long Branch. The MTA, Maryland Department of Housing and Community Development (DHCD), and Maryland Department of Commerce will be the primary state agencies. The County will complement the State's efforts to protect the existing community character and quality of life while promoting commercial revitalization along the Purple Line.

#### Location

Long Branch Sector Plan area, Silver Spring, Maryland

#### Estimated Schedule

The State is expected to start construction of the Purple Line in late 2016 and begin services in 2021. The timing of any County efforts will relate to, or be coordinated with, the construction of the Purple Line.

#### Justification

The Long Branch community is a very diverse, high density multi-ethnic community. It has been designated as a revitalization area by the County and as an Enterprise Zone by the State of Maryland. The objective would be to preserve and improve the community's affordable housing and small scale commercial uses by leveraging proximity to Purple Line stations. With the construction of the Purple Line, the Long Branch area may face challenges ensuring that rental and ownership costs, for either homes or businesses, remain affordable, while encouraging reinvestment.

#### Other

This project will comply with the standards of the Department of Transportation (DOT), Department of General Services (DGS), Maryland State Highway Administration (MSHA), Manual on Uniform Traffic Control Devices (MUTCD), American Association of State Highway Officials (AASHTO), and Americans with Disabilities Act (ADA).

#### Fiscal Note

Planning activities were delayed to coincide with the proposed construction schedule of the Purple Line.

#### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

#### Coordination

Department of Housing and Community Affairs, Department of Transportation, Department of Permitting Services, M-NCPPC, Long Branch Advisory Committee, Maryland Transit Administration, Maryland State Highway Administration (MSHA), Department of General Services, Long Branch Business League, and Montgomery Housing Partnership.

## Universities at Shady Grove Expansion (P151201)

Category General Government  
 Sub Category Economic Development  
 Administering Agency General Services (AAGE29)  
 Planning Area Shady Grove Vicinity

Date Last Modified 11/17/14  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	5,000	5,000	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	15,000	0	10,000	5,000	5,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>20,000</b>	<b>5,000</b>	<b>10,000</b>	<b>5,000</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	20,000	5,000	10,000	5,000	5,000	0	0	0	0	0	0
<b>Total</b>	<b>20,000</b>	<b>5,000</b>	<b>10,000</b>	<b>5,000</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	5,000
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		15,000
Expenditure / Encumbrances		5,000
Unencumbered Balance		10,000

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 15 20,000
Last FY's Cost Estimate	20,000

#### Description

This project provides funding for the construction of a parking garage and related site modifications at the Universities at Shady Grove (USG) Campus. The County's commitment to fund the garage and ground modifications is intended to leverage State funding to build a Biomedical Sciences/Engineering Education (BSE) academic building. In conjunction with the nearby Institute for Bioscience and Biotechnology Research (IBBR), the new fourth 220,000 sq.ft. academic building is expected to expand capacity at the campus, particularly in the high growth fields of biotechnology and engineering. The building will house science/engineering classrooms as well as clinical training laboratories for programs that will include health, allied health, science and engineering/technology programs in both traditional and bioscience areas and education degrees focused on science, technology, engineering and mathematics (STEM). This initiative will support the County's education, employment, and economic development goals. The new academic building will be built on the surface parking lot adjacent to the IBBR on the USG campus. The County has agreed to provide funding to the University System of Maryland (USM) for the design and construction of a garage adjacent to the new facility that will recover and expand existing parking capacity and free up land on which the new academic building will be constructed. County funding will also be used to complete ground modifications to create a new entrance to the campus.

#### Location

9630-9640 Gudelsky Drive, Rockville, Maryland.

#### Estimated Schedule

The County and the USM (on behalf of the USG) have entered into a Memorandum of Understanding that outlines the roles and responsibilities of the County, USM and USG for this project. The BSE building will begin construction in July 2016 and expects to be completed by Fall 2018.

#### Justification

## Universities at Shady Grove Expansion (P151201)

The new Biomedical Sciences/Engineering Academic Complex (BSE) will be constructed on existing USG land already zoned for academic building expansion. Parking is currently limited and construction of the building will require the removal of the surface parking lot on this site. A structured parking facility is needed to replace the parking spaces taken by the BSE. Site improvements for a new entrance to the campus to accommodate the increased student, faculty, and staff access are also required. The project is a step toward implementing several objectives of the Biosciences Strategy adopted by the County's Biosciences Task Force (December 2009). The new building is planned to be funded by the State, with the County contributing toward the creation of site capacity through the structured garage. This expanded higher education presence in Montgomery County will help to build a robust biosciences workforce and foster commercialization that will provide economic benefits to the County and the State. The Biosciences Strategy further recommends that the County support partnerships between higher education institutions, industry, and Montgomery County Public Schools to support STEM curriculum development, enhance STEM teacher preparation and expand "laboratory" programs designed to spark student interest in and preparation for health science and bioscience careers. The new building will house programs and curriculum focused on STEM education. The USG offers more than 70 undergraduate degree programs from nine of the schools in the USM. Located in the Great Seneca Science Corridor Master Plan Area, USG offers among its programs, courses that complement the life sciences focus of the Great Seneca Science Corridor Master Plan. These programs included biology, business, health systems management, nursing, pharmacy, public health sciences, and respiratory therapy. The USG provides for significant development of the workforce for high quality science jobs in Montgomery County. Approximately 600 undergraduate students and 400 to 500 students with graduate and professional degrees graduate each year at the USG. The USG plans to increase its capacity to annually graduate 2,000 undergraduate students and approximately 1,200 graduate/professional degree students (several hundred of which will be in the bioscience and biotechnology disciplines).

### **Fiscal Note**

The County contribution for the parking structure and ground modification costs is capped at \$20 million and is dependent on State funding to design and construct a BMSE academic building. In 2015, the General Assembly pre-authorized \$9.3 million for the design of this academic building, and the State's CIP has the remaining \$153.3 million programmed for FY16-FY19. To date, the State has provided \$11.3M in planning funds and \$2.716M in construction funds for the BSE building. The FY17 State Capital funding request is \$1.5M for planning and \$72M for construction.

### **Coordination**

Department of Economic Development, Department of General Services, State of Maryland, USM, USG. Special Capital Projects Legislation [Bill No.16-13] was adopted by Council June 25, 2013.

## Wheaton Redevelopment Program (P150401)

Category                    General Government  
 Sub Category                Economic Development  
 Administering Agency      Transportation (AAGE30)  
 Planning Area                Kensington-Wheaton

Date Last Modified                    5/13/16  
 Required Adequate Public Facility    No  
 Relocation Impact                    None  
 Status                                    Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	14,689	6,053	5,493	3,143	628	1,886	629	0	0	0	0
Land	1,010	1,010	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	10,559	1,346	0	9,213	5,794	3,419	0	0	0	0	0
Construction	129,663	690	0	128,973	71,235	40,928	16,810	0	0	0	0
Other	12,063	221	565	11,277	3,828	5,813	1,636	0	0	0	0
<b>Total</b>	<b>167,984</b>	<b>9,320</b>	<b>6,058</b>	<b>152,606</b>	<b>81,485</b>	<b>52,046</b>	<b>19,075</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Contributions	862	0	862	0	0	0	0	0	0	0	0
Current Revenue: General	1,300	650	650	0	0	0	0	0	0	0	0
Federal Aid	418	417	1	0	0	0	0	0	0	0	0
G.O. Bonds	71,906	0	2,871	69,035	38,099	27,987	17,949	-15,000	0	0	0
Land Sale	15,000	0	0	15,000	0	0	0	15,000	0	0	0
Long-Term Financing	70,145	0	1,574	68,571	43,386	24,059	1,126	0	0	0	0
PAYGO	7,503	7,503	0	0	0	0	0	0	0	0	0
State Aid	850	750	100	0	0	0	0	0	0	0	0
<b>Total</b>	<b>167,984</b>	<b>9,320</b>	<b>6,058</b>	<b>152,606</b>	<b>81,485</b>	<b>52,046</b>	<b>19,075</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	8,868
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		140,043
Expenditure / Encumbrances		132,775
Unencumbered Balance		7,268

Date First Appropriation	FY 04	
First Cost Estimate		
Current Scope	FY 17	167,984
Last FY's Cost Estimate		143,847

**Description**

## Wheaton Redevelopment Program (P150401)

This project provides for the planning, studies, design, and construction of an office building, public parking garage, and a town square on the site of Parking Lot 13 and the Mid-County Regional Services Center (RSC) in Wheaton. The project components include 1) an approximately 303,000 s.f. office building to be owned by the Maryland-National Capital Park and Planning Commission (M-NCPPC); 2) an approximately 400 space underground public parking garage to be delivered to the Wheaton Parking Lot District (PLD); and 3) a town square located on Lot 13 and the current RSC site. The new headquarters for M-NCPPC will occupy approximately 132,000 s.f. of the building, including space for a child care facility. The remainder of the building space will be used by the County for office and retail under a long-term lease agreement. The County intends to use its space for nearly 15,000 s.f. of street front retail space and move offices of the RSC, Wheaton Urban District, Department of Environmental Protection, Department of Permitting Services, Department of Recreation, the Community Use of Public Facilities, and Environmental Health Regulatory Services in the Department of Health and Human Services to this building. The building will have a geothermal heating and cooling system which is likely to result in LEED Platinum certification for the office building. After the building is delivered to M-NCPPC, the Commission will transfer the ownership of the parcels at 8787 Georgia Ave. in Silver Spring and 11200 Amherst Ave. in Wheaton to the County. The County will then transfer 8787 Georgia Ave. to the developer who will develop a privately financed mixed-use project on the site. The delivery will include air rights above the land over the parking garage for the space comprising the office building and over that portion of the land located between the building and Reedie Drive. The town square will be maintained and programmed by the RSC for the community benefit. Publicly available WiFi will be among those community benefits. The obligations and relationship between County Government and M-NCPPC for the project are reflected in a Memorandum of Understanding dated May 31, 2013 and will be explicitly set forth in the Binding Agreements between the parties. This PDF also includes \$650,000 for consulting services to provide 1) a comprehensive parking study to identify potential redevelopment disruptions to the public parking supply and any related impacts of existing businesses and to identify potential mitigation options; 2) planning studies to review potential models and approaches to creating local jobs and job training opportunities prior to and during redevelopment, including relevant case examples in Montgomery County as well as innovative models from other local and national jurisdictions; and 3) a business assessment study to determine the number of businesses and the magnitude of the impact. The business assessment study is needed to support Council Bill 6-12 for the establishment of service provision and technical assistance to those small businesses adversely impacted by a County redevelopment project. As part of the agreement, this project also includes a privately owned mixed use residential building with independent financing and significant affordable housing components.

### Location

Montgomery County Public Parking Lot 13, between Grandview Avenue and Triangle Lane; the RSC site on Reedie Drive, Wheaton; 8787 Georgia Avenue, Silver Spring; and Veterans Urban Park at 11200 Amherst Avenue, Wheaton, Maryland.

### Estimated Schedule

The project design started in July 2014 and construction is expected to begin in the Summer of 2016. Demolition of the RSC site will begin as soon as the site can be vacated. The town square is planned to be completed in Spring 2019 and the completion of the office building is scheduled by the end of FY19.

### Cost Change

The cost increase is based on estimated costs of design and construction of a geothermal heating and cooling system for the office building and unexpected environmental remediation needs on the construction site. Two additional floors will also be added to the planned building to reduce expensive lease payments for County agencies, facilitate co-location for departments with program synergies, and enhance the presence of the County Government in Wheaton.

### Justification

The Wheaton Redevelopment Program was established in 2000 with the goal of encouraging private reinvestment through targeted, complementary public investment. The complementary public investment that Wheaton most needs is investment in creating a centrally located public space and a daytime population that together will contribute to an 18-hour economy in downtown Wheaton. It is expected that this public investment will leverage private investment, some of which is already occurring in Wheaton. Plans & Studies: Wheaton CBD and Vicinity Sector Plan (2011), State of Maryland designation as a Smart Growth and TOD site (2010), Urban Land Institute Technical Assistance Panel (2009). The International Downtown Association Advisory report (2008); Wheaton's Public Safety Audit (2004); The Wheaton Redevelopment Advisory Committee visioning process for the Wheaton core; National Mainstreet Center Planning Study (2000); WRAC activities since established in 2000.

### Fiscal Note

Minor project funding includes: 1) \$418,000 FY09 federal grant, funded through the SAFETEA-LU transportation act; 2) A developer contribution of \$861,940 from M-NCPPC Public Use Space and Amenity Fund. November 5, 2010 Planning Board Resolution, 10-149, Site Plan 820110010; and 3) \$350,000 FY14 and FY15 State aid to support façade improvements and a pilot solar-powered trash compactor program. Non-tax supported long-term financing and PAYGO will be used to finance the costs for DEP, DPS and CUPF facility space. \$15M of the land sale proceeds from the M-NCPPC Headquarters in Silver Spring is programmed in FY20 to help finance the project costs. Total project cost includes \$8,930,000 for Streetscape and Façade work funded through FY12. The residential development on Lot 13 will not be funded in this PDF.

### Disclosures

A pedestrian impact analysis has been completed for this project.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### Coordination

## Wheaton Redevelopment Program (P150401)

WMATA, Office of the County Attorney, M-NCPPC, Westfield Mall, Community Associations and Residents, private developers, Department of General Services, Department of Transportation, Department of Environmental Protection, Department of Permitting Services, Department of Housing and Community Affairs, Mid-County Regional Service Center, and State of Maryland. Special Projects Legislation [Bill No. 33-14] was adopted by Council June 17, 2014.



## Bridge Design (P509132)

Category                    Transportation  
 Sub Category            Bridges  
 Administering Agency   Transportation (AAGE30)  
 Planning Area            Countywide

Date Last Modified            11/17/14  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	18,262	12,296	1,882	4,084	1,022	873	694	605	492	398	0
Land	425	425	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	78	78	0	0	0	0	0	0	0	0	0
Construction	92	92	0	0	0	0	0	0	0	0	0
Other	18	18	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>18,875</b>	<b>12,909</b>	<b>1,882</b>	<b>4,084</b>	<b>1,022</b>	<b>873</b>	<b>694</b>	<b>605</b>	<b>492</b>	<b>398</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Federal Aid	956	956	0	0	0	0	0	0	0	0	0
G.O. Bonds	16,133	10,960	1,089	4,084	1,022	873	694	605	492	398	0
Land Sale	15	15	0	0	0	0	0	0	0	0	0
PAYGO	340	340	0	0	0	0	0	0	0	0	0
State Aid	1,431	638	793	0	0	0	0	0	0	0	0
<b>Total</b>	<b>18,875</b>	<b>12,909</b>	<b>1,882</b>	<b>4,084</b>	<b>1,022</b>	<b>873</b>	<b>694</b>	<b>605</b>	<b>492</b>	<b>398</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,226
Appropriation Request Est.	FY 18	669
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		15,097
Expenditure / Encumbrances		13,456
Unencumbered Balance		1,641

Date First Appropriation	FY 91
First Cost Estimate	
Current Scope	FY 17      18,875
Last FY's Cost Estimate	15,204

#### Description

This ongoing project provides studies for bridge projects under consideration for inclusion in the CIP. Bridge Design serves as a transition stage for a project between identification of need and its inclusion as a stand-alone construction project in the CIP. Prior to the establishment of a stand-alone project, the Department of Transportation will complete a design which outlines the general and specific features required on the project. Selected projects range in type, but typically consist of upgrading deficient bridges so that they can safely carry all legal loads which must be accommodated while providing a minimum of two travel lanes. Candidate projects currently included are listed below (Other).

#### Cost Change

Increase due to the addition of Glen Road Bridge #15, Mouth of Monocacy Bridge #43, and the addition of FY21 and FY22.

#### Justification

There is continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. Bridge design costs for all projects which ultimately become stand-alone PDFs are included here. These costs will not be reflected in the resulting individual project. Future individual CIP projects which result from bridge design will each benefit from reduced planning and design costs. Biennial inspections performed since 1987 have consistently shown that the bridges currently included in the project for design studies are in need of major rehabilitation or replacement.

#### Other

Candidates for this program are identified through the County Biennial Bridge Inspection Program as being deficient, load restricted, or geometrically substandard. The Planning, Design, and Supervision (PD&S) costs for all bridge designs include all costs up to contract preparation. At that point, future costs and Federal aid will be included in stand-alone projects. Candidate Projects: Elmhirst Parkway Bridge #MPK-13, Park Valley Road Bridge #MPK-03, Piney Meetinghouse Bridge #M-0021, Cedar Lane Bridge #M-0074, Valley Road Bridge #M-0111, Gold Mine Road Bridge #M-0096, Brink Road Bridge #M-0064, Garrett Park Road Bridge #M-0352, Beach Drive Bridge #MPK-24, Glen Road Bridge #M-0148, Glen Road Bridge #M-0015, and Mouth of Monocacy Bridge #M-0043.

#### Fiscal Note

FY16 transfer of \$299K from Glenmont Metro Parking Expansion (#500552); \$202K from Century Boulevard (#501115) and \$218K from Whites Ferry Road Bridges (#501301).

#### Disclosures

A pedestrian impact analysis has been completed for this project.

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

## Bridge Design (P509132)

Maryland-Department of the Environment, Maryland-Department of Natural Resources, Maryland-National Capital Park and Planning Commission, Montgomery County Department of Permitting Services, U.S. Army Corps of Engineers, Maryland State Highway Administration, Federal Highway Administration, Utility Companies, Maryland Historic Trust, CSX Transportation, Washington Metropolitan Area Transit Authority, Rural/Rustic Roads Legislation

## Bridge Renovation (P509753)

Category                      Transportation  
 Sub Category                Bridges  
 Administering Agency      Transportation (AAGE30)  
 Planning Area                Countywide

Date Last Modified            5/24/16  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	2,653	1,183	0	1,470	245	245	245	245	245	245	0
Land	2	2	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	15	15	0	0	0	0	0	0	0	0	0
Construction	9,236	571	4,135	4,530	755	755	755	755	755	755	0
Other	75	75	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11,981</b>	<b>1,846</b>	<b>4,135</b>	<b>6,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	9,663	1,755	3,290	4,638	773	773	773	773	773	773	0
State Aid	2,298	91	845	1,362	227	227	227	227	227	227	0
<b>Total</b>	<b>11,981</b>	<b>1,846</b>	<b>4,135</b>	<b>6,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,000
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,625
Expenditure / Encumbrances		2,321
Unencumbered Balance		4,304

Date First Appropriation	FY 97	
First Cost Estimate		
Current Scope	FY 17	11,981
Last FY's Cost Estimate		8,211

#### Description

This project provides for the renovation of County roadway and pedestrian bridges that have been identified as needing repair work beyond routine maintenance levels to assure continued safe functioning. Renovation work involves planning, preliminary engineering, project management, inspection, and construction. Construction is performed on various components of the bridge structures. Superstructure repair or replacement items include decking, support beams, bearing assemblies, and expansion joints. Substructure repair or replacement items include concrete abutments, backwalls, and wingwalls. Culvert repairs include concrete headwalls, structural steel plate pipe arch replacements, installation of concrete inverts, and placement of stream scour protection. Other renovation work includes paving of bridge deck surfaces, bolted connection replacements, stone slope protection, reconstruction of approach roadways, concrete crack injection, deck joint material replacement, scour protection, and installation of traffic safety barriers. The community outreach program informs the public when road closures or major lane shifts are necessary. Projects are reviewed and scheduled to reduce community impacts as much as possible, especially to school bus routes.

#### Cost Change

Increase due to addition of FY21 and FY22 to this ongoing project. Increase also due to additional permitting requirements to replace or rehabilitate steel culverts partially offset by capitalization of prior expenses.

#### Justification

The Biennial Bridge Inspection Program, a Federally mandated program, provides specific information to identify deficient bridge elements. The bridge renovation program also provides the ability for quick response and resolution to citizen public concerns for highway and pedestrian bridges throughout the County.

#### Other

The objective of this program is to identify bridges requiring extensive structural repairs and perform the work in a timely manner to avoid emergency situations and major public inconvenience. Construction work under this project is typically performed by County Division of Highway Services.

#### Fiscal Note

FY16 transfer of \$1.2M from Glenmont Metro Parking Expansion (#500552); \$503K from Cedar Lane Road Bridge (#501105); \$32K from Whites Ferry Road Bridges (#501301); and \$730K from Nebel Street Extended (#500401)

#### Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

Department of Transportation, Maryland State Highway Administration, Maryland Department of Natural Resources, Maryland Historic Trust, U.S. Fish and Wildlife Service

## Elmhirst Parkway Bridge (Bridge No. M-0353) (P501420)

Category	Transportation	Date Last Modified	5/5/16
Sub Category	Bridges	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Bethesda-Chevy Chase	Status	Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	191	1	70	120	120	0	0	0	0	0	0
Land	13	13	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	2,047	0	1,938	109	109	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,251</b>	<b>14</b>	<b>2,008</b>	<b>229</b>	<b>229</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Federal Aid	1,277	0	1,048	229	229	0	0	0	0	0	0
G.O. Bonds	974	14	960	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,251</b>	<b>14</b>	<b>2,008</b>	<b>229</b>	<b>229</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	229
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,022
Expenditure / Encumbrances		14
Unencumbered Balance		2,008

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 17 2,251
Last FY's Cost Estimate	1,965

#### Description

This project provides for the replacement of the existing Elmhirst Parkway Bridge over Tributary to Rock Creek. The existing bridge, built in 1940, is a single span structural plate arch under fill carrying a 19'-0" roadway and 10'-0" grass shoulders on each side. The proposed replacement bridge includes a single span precast concrete arch structure under fill with a 22'-0" roadway and 8'-6" grass shoulders on each side. The project includes approach roadway work at each end of the bridge as necessary to tie-in to the existing roadway. The bridge and road will be closed to vehicular and pedestrian traffic during construction. The existing Elmhirst Bike path will remain open during the construction.

#### Location

The project site is located approximately 400 feet north of the intersection of Elmhirst Parkway with Cedar Lane in Bethesda

#### Capacity

The roadway Average Daily Traffic (ADT) is 600 and the roadway capacity will not change as a result of this project.

#### Estimated Schedule

The design of the project is expected to finish in Summer 2014. The construction is scheduled to start in Spring 2016 and be completed in Winter 2017.

#### Cost Change

\$286,000 additional cost due to the need to maintain adequate stream flow and the need for complex excavation procedures to install bridge foundation elements.

#### Justification

The proposed replacement work is necessary to provide a safe roadway condition for the traveling public. The 2011 bridge inspection revealed that there is severe steel corrosion with areas of 100 percent section loss along the arch springlines. The steel structural plate arch is rated in poor condition and the bridge is considered structurally deficient. The bridge is weight restricted and school buses are denied a waiver to cross the bridge due to safety concerns. Based on experiences with similar type structures in this condition the structure needs to be replaced as soon as possible or the roadway may be closed. Elmhirst Parkway is located in the Bethesda-Chevy Chase Master Plan area. Elmhirst Parkway is the main entrance that extends north from Cedar Lane at the Locust Hill Estates neighborhood. Elmhirst Parkway Bridge is not considered historic but is located on the boundary of Maryland Inventory of Historic Properties Survey No. M:35-120. A review of impacts to pedestrians, bicyclists and the requirements of the ADA (American with Disabilities Act of 1991) has been performed and addressed by this project. Streetlights, crosswalks, sidewalk ramps, bikeways and other pertinent issues are being considered in the design of the project to ensure pedestrian safety.

#### Other

The design costs for this project are covered in the "Bridge Design" project (C.I.P. No. 509132).

#### Fiscal Note

The costs of bridge construction and construction management for this project are eligible for up to 80 percent Federal Aid. \$57,000 transfer in FY16 from Father Hurley Boulevard project (#500516).

#### Disclosures

## Elmhirst Parkway Bridge (Bridge No. M-0353) (P501420)

A pedestrian impact analysis has been completed for this project.

### **Coordination**

Federal Highway Administration - Federal Aid Bridge Replacement/Rehabilitation Program Maryland State Highway Administration  
Maryland Department of Environment Maryland Historical Trust Maryland National Capital Park and Planning Commission Montgomery  
County Department of Permitting Services Utilities Bridge Design PDF (CIP 509132)

## Lyttonsville Place Bridge(P501421)

Category	Transportation	Date Last Modified	11/17/14
Sub Category	Bridges	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Silver Spring	Status	Final Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	400	215	135	50	50	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>400</b>	<b>215</b>	<b>135</b>	<b>50</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Recordation Tax Premium	400	215	135	50	50	0	0	0	0	0	0
<b>Total</b>	<b>400</b>	<b>215</b>	<b>135</b>	<b>50</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	-100
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		500
Expenditure / Encumbrances		320
Unencumbered Balance		180

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 17 400
Last FY's Cost Estimate	0

#### Description

This project provides for the design of the concrete deck replacement of the existing Lyttonsville Place Bridge over Georgetown Branch Hiker/Biker Trail. The existing bridge, built in 1966, is a single span steel beam structure with a concrete deck carrying a 48'-0" roadway and two 5-foot sidewalks. The proposed concrete deck replacement will include the 48'-0" roadway, the two 5-foot sidewalks, and the two safety parapets. The existing steel beams and bridge abutments will be reused with minor modifications to support the new concrete deck structure. Repairs to the steel beams will be made as necessary to renew the integrity of the concrete surface. The bridge and road will remain open to vehicular and pedestrian traffic during construction. Accelerated bridge construction techniques will be utilized to minimize the disruption of the traveling public and local community.

#### Location

Lyttonsville Place between Industrial Brookville Road and Michigan Avenue.

#### Capacity

The roadway Average Daily Traffic (ADT) is 10,000.

#### Estimated Schedule

The design of the project is expected to finish in the Summer of 2016.

#### Cost Change

Decrease in cost of \$100,000 reflected in FY16. Bridge will be rebuilt by MTA as part of the Purple Line project.

#### Justification

The proposed replacement work is necessary to provide a safe roadway condition for the traveling public and preserve easy access to the Ride On Operations Center for County buses. The existing concrete deck is the original deck constructed in 1966, and is in poor condition. The 48 year old deck has shown severe deterioration since 1996 and has been on an annual repair schedule for the last 18 years. The existing concrete deck has reached and exceeded the expected service life. The bridge is currently posted for a 10,000 lb. limit. Implementation of this project would allow the bridge to be restored to full capacity.

#### Fiscal Note

Construction will not proceed without consulting the Purple Line project schedule to ensure that the projected financial and operational benefits of the bridge still warrant the construction expense.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination

Maryland Department of the Environment, Maryland National Capital Park and Planning Commission, Montgomery County Department of Permitting Services, Utilities, Maryland Transit Administration, Purple Line Project

## Permanent Patching: Residential/Rural Roads (P501106)

Category Transportation  
 Sub Category Highway Maintenance  
 Administering Agency Transportation (AAGE30)  
 Planning Area Countywide

Date Last Modified 5/19/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY16	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	5,726	5	3,486	2,235	360	210	360	435	435	435	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	36,966	21,382	2,419	13,165	2,040	1,180	2,040	2,465	2,715	2,715	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>42,692</b>	<b>21,387</b>	<b>5,905</b>	<b>15,400</b>	<b>2,400</b>	<b>1,400</b>	<b>2,400</b>	<b>2,900</b>	<b>3,150</b>	<b>3,150</b>	<b>0</b>
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	41,700	20,395	5,905	15,400	2,400	1,400	2,400	2,900	3,150	3,150	0
State Aid	992	992	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>42,692</b>	<b>21,387</b>	<b>5,905</b>	<b>15,400</b>	<b>2,400</b>	<b>1,400</b>	<b>2,400</b>	<b>2,900</b>	<b>3,150</b>	<b>3,150</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,400
Appropriation Request Est.	FY 18	1,480
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		27,292
Expenditure / Encumbrances		21,388
Unencumbered Balance		5,904

Date First Appropriation	FY 11
First Cost Estimate	
Current Scope	FY 17 42,692
Last FY's Cost Estimate	34,892

#### Description

This project provides for permanent patching of residential/rural roads in older residential communities. This permanent patching program provides for deep patching of residential and rural roads to restore limited structural integrity and prolong pavement performance. This program will ensure structural viability of older residential pavements until such time that road rehabilitation occurs. Based on current funding trends, many residential roads identified as needing reconstruction may not be addressed for 40 years or longer. The permanent patching program is designed to address this problem. Pavement reconstruction involves either total removal and reconstruction of the pavement section or extensive deep patching followed by grinding along with a thick structural hot mix asphalt overlay. Permanent patching may improve the pavement rating such that total rehabilitation may be considered in lieu of total reconstruction, at significant overall savings.

#### Cost Change

Cost increase due to the addition of FY21-22 to this ongoing level-of-effort project.

#### Justification

In FY09, the Department of Transportation instituted a pavement management system. This system provides for systematic physical condition surveys. The physical condition surveys note the type, level, and extent of residential pavement deterioration combined with average daily traffic and other usage characteristics. This information is used to calculate specific pavement ratings, types of repair strategies needed, and associated repair costs, as well as the overall Pavement Condition Index (PCI) of the entire residential network. The system also provides for budget optimization and a systematic approach to maintaining a healthy residential pavement inventory. The updated 2015 pavement condition survey indicated that 672 lane-miles (16 percent) of residential pavement have fallen into the lowest possible category and are in need of structural patching. Typically, pavements rated in this category require between 15-20 percent permanent patching per lane-mile. Physical condition inspections of residential pavements will occur on a 2-3 year cycle.

#### Fiscal Note

\$40M is the annual cost required to maintain the current Countywide Pavement Condition Index of 67 for residential and rural roads. Related CIP projects include Residential and Rural Road Rehabilitation (#500914) and Resurfacing: Residential/Rural Roads (#500511).

#### Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

Maryland-National Capital Park and Planning Commission, Maryland State Highway Administration, Utility Companies, Department of Permitting Services, City of Gaithersburg, Facility Planning: Transportation (CIP #509337)

## Residential and Rural Road Rehabilitation (P500914)

Category	Transportation	Date Last Modified	5/19/16
Sub Category	Highway Maintenance	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	6,977	9	1,975	4,993	343	690	485	990	1,215	1,290	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	72,511	33,019	11,200	28,292	1,942	3,910	2,636	5,610	5,885	7,310	0
Other	9	9	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>79,497</b>	<b>33,037</b>	<b>13,175</b>	<b>33,285</b>	<b>2,285</b>	<b>4,600</b>	<b>3,100</b>	<b>6,600</b>	<b>8,100</b>	<b>8,600</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	65,417	25,506	13,175	26,736	0	1,702	3,100	5,234	8,100	8,600	0
Recordation Tax Premium	14,080	7,531	0	6,549	2,285	2,898	0	1,366	0	0	0
<b>Total</b>	<b>79,497</b>	<b>33,037</b>	<b>13,175</b>	<b>33,285</b>	<b>2,285</b>	<b>4,600</b>	<b>3,100</b>	<b>6,600</b>	<b>8,100</b>	<b>8,600</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,285
Appropriation Request Est.	FY 16	4,600
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		46,212
Expenditure / Encumbrances		33,606
Unencumbered Balance		12,606

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 17 79,497
Last FY's Cost Estimate	68,297

#### Description

This project provides for the major rehabilitation of residential and rural roadways in older communities to include extensive pavement rehabilitation and reconstruction including the associated rehabilitation of ancillary elements such as under drains, sub-grade drains, and installation and replacement of curbs and gutters. This project will not make major changes to the location or size of existing drainage structures, if any. Pavement rehabilitation includes the replacement of existing failed pavement sections by the placement of an equivalent or increased pavement section. The rehabilitation usually requires the total removal and replacement of failed pavement exhibiting widespread areas of fatigue related distress, base failures and sub-grade failures.

#### Cost Change

Cost increase due to the addition of FY21-22 to this ongoing level-of-effort project.

#### Justification

In FY09, the Department of Transportation instituted a contemporary pavement management system. This system provides for systematic physical condition surveys. The physical condition surveys note the type, level, and extent of residential pavement deterioration combined with average daily traffic and other usage characteristics. This information is used to calculate specific pavement ratings, types of repair strategies needed, and associated repair costs, as well as the overall Pavement Condition Index (PCI) of the entire residential network. The system also provides for budget optimization for a systematic approach to maintaining a healthy residential pavement inventory. The updated 2015 pavement condition survey indicated that 308 lane-miles (or 7 percent) of residential pavement have fallen into the lowest possible category and are in need of structural reconstruction. Typically, pavements rated in this category require between 15-20 percent permanent patching per lane-mile. Physical condition inspections of residential pavements will occur on a 2-3 year cycle.

#### Other

Hot mix asphalt pavements have a finite life of approximately 20 years based upon a number of factors including but not limited to: original construction materials, means and methods, underlying soil conditions, drainage, daily traffic volume, other loading such as construction traffic and heavy truck traffic, age, and maintenance history. A well maintained residential road carrying low to moderate traffic levels is likely to provide a service life of 20 years or more. Conversely, lack of programmed maintenance will shorten the service life of residential roads considerably, in many cases to less than 15 years before rehabilitation is needed.

#### Fiscal Note

\$40M is the annual cost required to maintain the current Countywide Pavement Condition Index of 67 on residential and rural roads. Related CIP projects include Permanent Patching: Residential/Rural Roads (#501106) and Residential and Rural Road Rehabilitation (#500914). In FY16, a supplemental appropriation of \$2.3M in GO Bonds was approved for this project.

#### Disclosures

A pedestrian impact analysis has been completed for this project.  
Expenditures will continue indefinitely.

#### Coordination



## Residential and Rural Road Rehabilitation (P500914)

Washington Suburban Sanitary Commission, Washington Gas Light Company, Department of Permitting Services, PEPCO, Cable TV, Verizon, Montgomery County Public Schools, Regional Services Centers, Community Associations, Commission on People with Disabilities

## Resurfacing: Primary/Arterial (P508527)

Category	Transportation	Date Last Modified	5/9/16
Sub Category	Highway Maintenance	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Countywide	Status	Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,052	0	2,046	4,006	390	565	712	915	712	712	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	44,788	10,497	11,597	22,694	2,210	3,185	4,038	5,185	4,038	4,038	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>50,840</b>	<b>10,497</b>	<b>13,643</b>	<b>26,700</b>	<b>2,600</b>	<b>3,750</b>	<b>4,750</b>	<b>6,100</b>	<b>4,750</b>	<b>4,750</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	32,948	10,467	12,467	10,014	0	0	14	500	4,750	4,750	0
Recordation Tax Premium	17,892	30	1,176	16,686	2,600	3,750	4,736	5,600	0	0	0
<b>Total</b>	<b>50,840</b>	<b>10,497</b>	<b>13,643</b>	<b>26,700</b>	<b>2,600</b>	<b>3,750</b>	<b>4,750</b>	<b>6,100</b>	<b>4,750</b>	<b>4,750</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,600
Appropriation Request Est.	FY 18	3,750
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		24,140
Expenditure / Encumbrances		10,738
Unencumbered Balance		13,402

Date First Appropriation	FY 85
First Cost Estimate	
Current Scope	FY 17
Last FY's Cost Estimate	59,917

#### Description

The County maintains approximately 940 lane-miles of primary and arterial roadways. This project provides for the systematic milling, pavement repair, and bituminous concrete resurfacing of selected primary and arterial roads and revitalization of others. This project includes the Main Street Montgomery Program and provides for a systematic, full-service, and coordinated revitalization of the primary and arterial road infrastructure to ensure viability of the primary transportation network, and enhance safety and ease of use for all users. Mileage of primary/arterial roads has been adjusted to conform with the inventory maintained by the State Highway Administration. This inventory is updated annually.

#### Cost Change

Cost increase due to the addition of FY21-22 to this ongoing level-of-effort project partially offset by capitalization of prior year expenditures.

#### Justification

Primary and arterial roadways provide transport support for tens of thousands of trips each day. Primary and arterial roads connect diverse origins and destinations that include commercial, retail, industrial, residential, places of worship, recreation, and community facilities. The repair of the County's primary and arterial roadway infrastructure is critical to mobility throughout the County. In addition, the state of disrepair of the primary and arterial roadway system causes travel delays, increased traffic congestion, and compromises the safety and ease of travel along all primary and arterial roads for drivers, pedestrians, and bicyclists. Well maintained road surfaces increase safety and assist in the relief of traffic congestion. In FY09, the Department of Transportation instituted a contemporary pavement management system. This system provides for systematic physical condition surveys and subsequent ratings of all primary/arterial pavements as well as calculating the rating health of the primary roadway network as a whole. Physical condition inspections of the pavements will occur on a 2-3 year cycle. The physical condition surveys note the type, level, and extent of primary/arterial pavement deterioration combined with average daily traffic and other usage characteristics. This information is used to calculate specific pavement ratings, types of repair strategies needed, and associated repair costs, as well as the overall Pavement Condition Index (PCI) of the entire primary/arterial network. The system also provides for budget optimization and recommends annual budgets for a systematic approach to maintaining a healthy primary/arterial pavement inventory.

#### Other

One aspect of this project will focus on improving pedestrian mobility by creating a safer walking and biking environment, utilizing selected engineering technologies, and ensuring Americans with Disabilities Act (ADA) compliance. Several existing CIP and operating funding sources will be focused in support of the Main Street Montgomery campaign. The design and planning stages, as well as final completion of the project will comply with the Department of Transportation (DOT), Maryland State Highway Administration (MSHA), Manual on Uniform Traffic Control Devices (MUTCD), American Association of State Highway Officials (AASHTO), and ADA standards.

#### Fiscal Note

\$8M is the annual requirement to maintain Countywide Pavement Condition Index of 71 for Primary/Arterial roads. \$1.5 million shifted from FY18 to FY16.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

## Resurfacing: Primary/Arterial (P508527)

Expenditures will continue indefinitely.

### **Coordination**

Washington Suburban Sanitary Commission, Other Utilities, Department of Housing and Community Affairs, Montgomery County Public Schools, Maryland - National Capital Park and Planning Commission, Department of Economic Development, Department of Permitting Services, Regional Services Centers, Community Associations, Montgomery County Pedestrian Safety Advisory Committee, Commission on People with Disabilities

## Resurfacing: Residential/Rural Roads (P500511)

Category	Transportation	Date Last Modified	5/18/16
Sub Category	Highway Maintenance	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	8,506	74	2,807	5,625	586	465	975	1,125	1,237	1,237	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	123,612	75,827	15,910	31,875	3,314	2,635	6,525	6,375	7,013	7,013	0
Other	46	46	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>132,164</b>	<b>75,947</b>	<b>18,717</b>	<b>37,500</b>	<b>3,900</b>	<b>3,100</b>	<b>6,500</b>	<b>7,500</b>	<b>8,250</b>	<b>8,250</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	309	309	0	0	0	0	0	0	0	0	0
G.O. Bonds	130,238	74,021	18,717	37,500	3,900	3,100	6,500	7,500	8,250	8,250	0
PAYGO	1,617	1,617	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>132,164</b>	<b>75,947</b>	<b>18,717</b>	<b>37,500</b>	<b>3,900</b>	<b>3,100</b>	<b>6,500</b>	<b>7,500</b>	<b>8,250</b>	<b>8,250</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,900	Date First Appropriation	FY 05
Appropriation Request Est.	FY 18	3,100	First Cost Estimate	
Supplemental Appropriation Request		0	Current Scope	FY 17 132,164
Transfer		0	Last FY's Cost Estimate	115,664
Cumulative Appropriation		94,664		
Expenditure / Encumbrances		76,670		
Unencumbered Balance		17,994		

#### Description

This project provides for the permanent patching and resurfacing of rural and residential roadways using durable hot mix asphalt to restore long-term structural integrity to the aging rural and residential roadway infrastructure. The County maintains a combined total of 4,264 lane-miles of rural and residential roads. Preventative maintenance includes full-depth patching of distressed areas of pavement in combination with a new hot mix asphalt wearing surface of 1-inch to 2-inches depending on the levels of observed distress. A portion of this work will be performed by the county in-house paving crew.

#### Cost Change

Cost increase due to the addition of FY21-22 to this ongoing level-of-effort project.

#### Justification

In FY09, the Department of Transportation instituted a contemporary pavement management system. This system provides for systematic physical condition surveys. The surveys note the type, level, and extent of residential pavement deterioration combined with average daily traffic and other usage characteristics. This information is used to calculate specific pavement ratings, types of repair strategies needed, and associated repair cost, as well as the overall Pavement Condition Index (PCI) of the entire residential network. The system also provides for budget optimization and recommending annual budgets for a systematic approach to maintaining a healthy residential pavement inventory.

#### Other

The design and planning stages, as well as project construction, will comply with the Department of Transportation (DOT), Maryland State Highway Administration (MSHA), Manual on Uniform Traffic Control Devices (MUTCD), American Association of State Highway and Transportation Officials (AASHTO), and American with Disabilities Act (ADA). Rural/residential road mileage has been adjusted to conform with the State inventory of road mileage maintained by the State Highway Administration (SHA). This inventory is updated annually.

#### Fiscal Note

\$40M is the annual cost required to maintain the current Countywide Pavement Condition Index of 67 on residential and rural roads. Related CIP projects include Permanent Patching: Residential/Rural Roads (#501106) and Residential and Rural Road Rehabilitation (#500914). In FY16, a supplemental appropriation of \$5.5M in GO Bonds was approved for this project.

#### Disclosures

Expenditures will continue indefinitely.

#### Coordination

Washington Suburban Sanitary Commission, Washington Gas Light Company, PEPCO, Cable TV, Verizon, United States Post Office

## Street Tree Preservation (P500700)

Category                    Transportation  
 Sub Category            Highway Maintenance  
 Administering Agency   Transportation (AAGE30)  
 Planning Area            Countywide

Date Last Modified            5/9/16  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	4,188	59	1,354	2,775	450	525	450	450	450	450	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	33,206	15,302	2,179	15,725	2,550	2,975	2,550	2,550	2,550	2,550	0
Other	6	6	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>37,400</b>	<b>15,367</b>	<b>3,533</b>	<b>18,500</b>	<b>3,000</b>	<b>3,500</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	29,404	11,909	2,148	15,347	2,750	2,664	1,929	2,004	3,000	3,000	0
Land Sale	458	458	0	0	0	0	0	0	0	0	0
Recordation Tax Premium	7,538	3,000	1,385	3,153	250	836	1,071	996	0	0	0
<b>Total</b>	<b>37,400</b>	<b>15,367</b>	<b>3,533</b>	<b>18,500</b>	<b>3,000</b>	<b>3,500</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,000
Appropriation Request Est.	FY 18	3,500
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		18,900
Expenditure / Encumbrances		15,367
Unencumbered Balance		3,533

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 17            37,400
Last FY's Cost Estimate	30,900

#### Description

This project provides for the preservation of street trees through proactive pruning that will reduce hazardous situations to pedestrians and motorists, help reduce power outages in the County, preserve the health and longevity of trees, decrease property damage incurred from tree debris during storms, correct structural imbalances/defects that cause future hazardous situations and that shorten the lifespan of the trees, improve aesthetics and adjacent property values, improve sight distance for increased safety, and provide clearance from street lights for a safer environment. Proactive pruning will prevent premature deterioration, decrease liability, reduce storm damage potential and costs, improve appearance, and enhance the condition of street trees.

#### Cost Change

Cost increase due to the addition of FY21-22 to this ongoing level-of-effort project.

#### Justification

In FY97, the County eliminated the Suburban District Tax and expanded its street tree maintenance program from the old Suburban District to include the entire County. The street tree population has now increased from an estimated 200,000 to over 400,000 trees. Since that time, only pruning in reaction to emergency/safety concerns has been provided. A street tree has a life expectancy of 60 years and, under current conditions, a majority of street trees will never receive any pruning unless a hazardous situation occurs. Lack of cyclical pruning leads to increased storm damage and cleanup costs, right-of-way obstruction and safety hazards to pedestrians and motorists, premature death and decay from disease, weakening of structural integrity, increased public security risks, and increased liability claims. Healthy street trees that have been pruned on a regular cycle provide a myriad of public benefits including energy savings, a safer environment, aesthetic enhancements that soften the hard edges of buildings and pavements, property value enhancement, mitigation of various airborne pollutants, reduction in the urban heat island effect, and storm water management enhancement. Failure to prune trees in a timely manner can result in trees becoming diseased or damaged and pose a threat to public safety. Over the long term, it is more cost effective if scheduled maintenance is performed. The Forest Preservation Strategy Task Force Report (October, 2000) recommended the development of a green infrastructure CIP project for street tree maintenance. The Forest Preservation Strategy Update (July, 2004) reinforced the need for a CIP project that addresses street trees. (Recommendations in the inter-agency study of tree management practices by the Office of Legislative Oversight (Report #2004-8 - September, 2004) and the Tree Inventory Report and Management Plan by Appraisal, Consulting, Research, and Training Inc. (November, 1995)). Studies have shown that healthy trees provide significant year-round energy savings. Winter windbreaks can lower heating costs by 10 to 20 percent, and summer shade can lower cooling costs by 15 to 35 percent. Every tree that is planted and maintained saves \$20 in energy costs per year. In addition, a healthy street tree canopy captures the first 1/2 inch of rainfall reducing the need for storm water management facilities.

#### Fiscal Note

Includes funding switches from Current Revenue: General to Recordation Tax Premium in FY16-20.

#### Disclosures

Expenditures will continue indefinitely.

## Street Tree Preservation (P500700)

### **Coordination**

Maryland-National Capital Park and Planning Commission, Department of Environmental Protection, Maryland Department of Natural Resources, Utility companies

## Bethesda Metro Station South Entrance (P500929)

Category	Transportation	Date Last Modified	5/10/16
Sub Category	Mass Transit	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Bethesda-Chevy Chase	Status	Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	2,171	1,621	0	500	50	125	125	100	50	50	50
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	13,444	0	0	13,444	5,254	5,186	336	1,334	1,027	307	0
Construction	94,587	0	0	94,502	19,912	22,837	28,881	17,601	3,665	1,606	85
Other	0	0	0	0	-6,000	-6,000	-6,000	6,000	6,000	6,000	0
<b>Total</b>	<b>110,202</b>	<b>1,621</b>	<b>0</b>	<b>108,446</b>	<b>19,216</b>	<b>22,148</b>	<b>23,342</b>	<b>25,035</b>	<b>10,742</b>	<b>7,963</b>	<b>135</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	104,407	0	0	104,272	15,042	22,148	23,342	25,035	10,742	7,963	135
PAYGO	795	795	0	0	0	0	0	0	0	0	0
Revenue Bonds: Liquor Fund	5,000	826	0	4,174	4,174	0	0	0	0	0	0
<b>Total</b>	<b>110,202</b>	<b>1,621</b>	<b>0</b>	<b>108,446</b>	<b>19,216</b>	<b>22,148</b>	<b>23,342</b>	<b>25,035</b>	<b>10,742</b>	<b>7,963</b>	<b>135</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	4,737
Appropriation Request Est.	FY 18	22,148
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		16,100
Expenditure / Encumbrances		1,621
Unencumbered Balance		14,479

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 17      110,202
Last FY's Cost Estimate	57,610

#### Description

This project provides access from Elm Street west of Wisconsin Avenue to the southern end of the Bethesda Metrorail Station. The Metrorail Red Line runs below Wisconsin Avenue through Bethesda more than 120 feet below the surface, considerably deeper than the Purple Line right-of-way. The Bethesda Metrorail station has one entrance, near East West Highway. The Metrorail station was built with accommodations for a future southern entrance. The Bethesda light rail transit (LRT) station would have platforms located just west of Wisconsin Avenue on the Georgetown Branch right-of-way. This platform allows a direct connection between LRT and Metrorail, making transfers as convenient as possible. Six station elevators would be located in the Elm Street right-of-way, which would require narrowing the street and extending the sidewalk. The station would include a new south entrance to the Metrorail station, including a new mezzanine above the Metrorail platform, similar to the existing mezzanine at the present station's north end. The mezzanine would use the existing knock-out panel in the arch of the station and the passageway that was partially excavated when the station was built in anticipation of the future construction of a south entrance.

#### Estimated Schedule

Design: Fall FY10 through FY15. Construction: To take 30 months but must be coordinated and implemented as part of the State Purple Line project that is dependent upon State and Federal funding.

#### Other

Part of Elm Street west of Wisconsin Avenue will be closed for a period during construction.

#### Fiscal Note

The funds for this project were initially programmed in the State Transportation Participation project. Appropriation of \$5 million for design was transferred from the State Transportation Participation project in FY09. The project schedule and cost estimates were updated in FY17 as a result of the MTA's proposed Public Private Partnership for the Purple Line and reflects the actual bid by the Concessionaire. The expenditure schedule also reflects a negotiated cash flow arrangement with MTA for FY17-19, allowing a deferral of \$6 million per year to FY20-22.

#### Coordination

Maryland Transit Administration, WMATA, Maryland-National Capital Park and Planning Commission, Bethesda Lot 31 Parking Garage project, Department of Transportation, Department of General Services, Special Capital Projects Legislation [Bill No. 31-14] was adopted by Council June 17, 2014.

## Bus Stop Improvements (P507658)

Category                      Transportation  
 Sub Category                Mass Transit  
 Administering Agency      Transportation (AAGE30)  
 Planning Area                Countywide

Date Last Modified            5/13/16  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,560	739	0	661	151	155	195	160	0	0	160
Land	2,382	463	347	1,572	345	627	600	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	1,174	26	77	831	155	161	275	240	0	0	240
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,116</b>	<b>1,228</b>	<b>424</b>	<b>3,064</b>	<b>651</b>	<b>943</b>	<b>1,070</b>	<b>400</b>	<b>0</b>	<b>0</b>	<b>400</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	3,198	1,159	218	1,821	305	586	930	0	0	0	0
Mass Transit Fund	1,918	69	206	1,243	346	357	140	400	0	0	400
<b>Total</b>	<b>5,116</b>	<b>1,228</b>	<b>424</b>	<b>3,064</b>	<b>651</b>	<b>943</b>	<b>1,070</b>	<b>400</b>	<b>0</b>	<b>0</b>	<b>400</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	511
Appropriation Request Est.	FY 18	943
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,792
Expenditure / Encumbrances		1,656
Unencumbered Balance		136

Date First Appropriation	FY 76
First Cost Estimate	
Current Scope	FY 17      5,116
Last FY's Cost Estimate	3,995

#### Description

This project provides for the installation and improvement of capital amenities at bus stops in Montgomery County to make them safer, more accessible and attractive to users, and to improve pedestrian safety for County transit passengers. These enhancements can include items such as sidewalk connections, improved pedestrian access, pedestrian refuge islands and other crossing safety measures, area lighting, paved passenger standing areas, and other safety upgrades. In prior years, this project included funding for the installation and replacement of bus shelters and benches along Ride On and County Metrobus routes; benches and shelters are now handled under the operating budget. Full-scale construction began in October 2006. In the first year of the project, 729 bus stops were reviewed and modified, with significant construction occurring at 219 of these locations. Through FY15, approximately 3,025 stops with 1,255 curb ramps; 422 concrete kneewalls for safety and seating, 85,618 linear feet of sidewalk; and 166,777 linear feet of ADA concrete pads have been modified or installed.

#### Estimated Schedule

Completion of project delayed to FY23 due to complex nature of bus stops requiring right-of-way to be acquired and FY16 Savings Plan budget adjustments.

#### Cost Change

Increase due to addition of funding to complete stops identified in project scope; \$400,000 added in beyond 6 years to address bus stops deferred by improvements related to MD355 Priority Service in FY17

#### Justification

Many of the County's bus stops have safety, security, or right-of-way deficiencies since they are located on roads which were not originally built to accommodate pedestrians. Problems include: lack of drainage around the site, sidewalk connections, passenger standing areas or pads, lighting or pedestrian access, and unsafe street crossings to get to the bus stop. This project addresses significant bus stop safety issues to ease access to transit service. Correction of these deficiencies will result in fewer pedestrian accidents related to bus riders, improved accessibility of the system, increased attractiveness of transit as a means of transportation, and greater ridership. Making transit a more viable option than the automobile requires enhanced facilities as well as increased frequency and level of service. Getting riders to the bus and providing an adequate and safe facility to wait for the bus will help to achieve the goal. The County has approximately 5,400 bus stops. The completed inventory and assessment of each bus stop has determined what is needed at each location to render the stop safe and accessible to all transit passengers. In FY05, a contractor developed a GIS-referenced bus stop inventory and condition assessment for all bus stops in the County, criteria to determine which bus stops need improvements, and a prioritized listing of bus stop relocations, improvements, and passenger amenities. The survey and review of bus stop data have been completed and work is on-going.

#### Fiscal Note

Funding for this project includes general obligation bonds with debt service financed from the Mass Transit Facilities Fund; Includes \$400,000 in FY17 for improvements related to MD 355 Priority Service which will launch in FY18

#### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.



## Bus Stop Improvements (P507658)

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Civic Associations, Municipalities, Maryland State Highway Administration, Maryland Transit Administration, Washington Metropolitan Area Transit Authority, Commission on Aging, Commission on People with Disabilities, Montgomery County Pedestrian Safety Advisory Committee, Citizen Advisory Boards

## Purple Line (P501603)

Category                    Transportation  
 Sub Category            Mass Transit  
 Administering Agency   Transportation (AAGE30)  
 Planning Area            Countywide

Date Last Modified            11/17/14  
 Required Adequate Public Facility    No  
 Relocation Impact            Yes  
 Status                            Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	2,089	0	775	1,314	328	388	433	115	50	0	0
Land	3,523	0	255	3,268	3,268	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	40,000	0	0	40,000	0	0	0	0	20,000	20,000	0
<b>Total</b>	<b>45,612</b>	<b>0</b>	<b>1,030</b>	<b>44,582</b>	<b>3,596</b>	<b>388</b>	<b>433</b>	<b>115</b>	<b>20,050</b>	<b>20,000</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	45,612	0	1,030	44,582	3,596	388	433	115	20,050	20,000	0
<b>Total</b>	<b>45,612</b>	<b>0</b>	<b>1,030</b>	<b>44,582</b>	<b>3,596</b>	<b>388</b>	<b>433</b>	<b>115</b>	<b>20,050</b>	<b>20,000</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,596
Appropriation Request Est.	FY 18	388
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,030
Expenditure / Encumbrances		0
Unencumbered Balance		1,030

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 17            45,612
Last FY's Cost Estimate	0

#### Description

This project provides funding for County coordination and oversight of the Purple Line project, including the three County-funded projects [Capital Crescent Trail (P501316), Bethesda Metro South Entrance (P500929), and Silver Spring Green Trail (P509975)] that are being included with the construction of the Purple Line. The Purple Line is a 16-mile light rail line being constructed by the Maryland Transit Administration (MTA) between Bethesda Metrorail Station in Montgomery County and New Carrollton Metrorail Station in Prince George's County. The project will include the construction of 21 light rail stations, 10 of which are located in Montgomery County. The Purple Line, which is estimated to serve more than 65,000 daily riders, will operate both in its own right-of-way and in mixed traffic and provides a critical east-west connection linking Montgomery and Prince George's counties. The new rail line will result in many benefits, including faster and more reliable service for the region's east-west travel market, improved connectivity and access to existing and planned activity centers, increased service for transit-dependent populations, traffic congestion relief, and economic development, including Transit Oriented Development, along the corridor. The project is being bid out by the State as a Public-Private Partnership (PPP), with a selected Concessionaire responsible for final design and construction of the project, as well as the system operation and maintenance for the first 30 years of service. The County's role in the project will be defined in a Memorandum of Agreement (MOA) between MTA and the County.

#### Estimated Schedule

The Maryland Transit Administration anticipates having a Concessionaire selected for their PPP by March 2016. Financial close for the PPP agreement is expected to occur by May 2016. Final design will begin during Spring/Summer 2016 and construction is expected to begin in 2016. Revenue service on the Purple Line is scheduled to begin in 2022.

#### Justification

Montgomery County supports the Purple Line project due to economic and mobility benefits. As with any large infrastructure project, significant impacts to the community - both residents and businesses along the corridor - are anticipated during the construction period. MTA has plans for a robust public engagement effort during design and construction; nevertheless, the County has embarked on its own community engagement effort through the Purple Line Implementation Advisory Group (PLIAG) and expects to be actively engaged with the community throughout the various project stages. The County will also be required to provide technical review and oversight of both the County-funded projects and the overall Purple Line project to ensure that they are in keeping with County standards.

#### Other

Certain County properties will be impacted by the construction of the MTA. To facilitate the construction and long term maintenance of the system, certain County properties will need to be transferred to MTA, in part or in entirety. Properties include (address and tax account identification number): 8710 Brookville Road (971041), Brookville Road (983094), 8717 Brookville Road (972728), 1160 Bonifant Street (1043367), 1114 Bonifant Street (1045696), 1170 Bonifant Street (1046100), 734 E University Boulevard - for roadway widening and utility relocation (975345), 734 E University Boulevard - for use as parkland mitigation agreement with M-NCPPC (975345), vicinity of 25 East Wayne

#### Coordination

## Purple Line (P501603)

Maryland Transit Administration, Maryland Department of Transportation, Washington Metropolitan Area Transit Authority, State Highway Administration, Office of the County Executive, Maryland-National Capital Park and Planning Commission, Bethesda Bikeway and Pedestrian Facilities, CSX Transportation, Purple Line NOW, Coalition for the Capital Crescent Trail, Department of General Services, Department of Permitting Services, Silver Spring Transportation Management District, Bethesda Transportation Management District, Silver Spring Chamber of Commerce, Bethesda Chamber of Commerce

## Rapid Transit System (P501318)

Category  
Sub Category  
Administering Agency  
Planning Area

Transportation  
Mass Transit  
Transportation (AAGE30)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

11/17/14  
No  
None  
Planning Stage

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	16,871	978	2,143	13,750	4,250	7,000	2,500	0	0	0	0
Land	4	4	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16,875</b>	<b>982</b>	<b>2,143</b>	<b>13,750</b>	<b>4,250</b>	<b>7,000</b>	<b>2,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Contributions	2,000	0	0	2,000	1,000	1,000	0	0	0	0	0
G.O. Bonds	2,900	0	0	2,900	400	2,500	0	0	0	0	0
Impact Tax	2,000	0	0	2,000	1,000	1,000	0	0	0	0	0
Mass Transit Fund	5,875	625	0	5,250	250	2,500	2,500	0	0	0	0
Revenue Bonds: Liquor Fund	3,600	0	2,000	1,600	1,600	0	0	0	0	0	0
State Aid	500	357	143	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16,875</b>	<b>982</b>	<b>2,143</b>	<b>13,750</b>	<b>4,250</b>	<b>7,000</b>	<b>2,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	4,250
Appropriation Request Est.	FY 18	7,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,125
Expenditure / Encumbrances		1,063
Unencumbered Balance		2,062

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 17 16,875
Last FY's Cost Estimate	3,125

#### Description

This project provides for the initial steps and detailed studies related to a bus rapid transit system in the County, supplementing the Metrorail Red Line and master-planned Purple Line and Corridor Cities Transitway (CCT). The County Council approved the Countywide Transit Corridors Functional Master Plan, an amendment to the Master Plan of Highways and Transportation, on November 26, 2013. The amendment authorizes the Department of Transportation to study enhanced transit options and Bus Rapid Transit for 10 transit corridors, including: Georgia Avenue North, Georgia Avenue South, MD 355 North, MD 355 South, New Hampshire Avenue, North Bethesda Transitway, Randolph Road, University Boulevard, US 29, Veirs Mill Road and Corridor Cities Transitway.

#### Estimated Schedule

Phase 1 (Alternatives Retained for Design Study) facility planning for the MD 355 and US 29 corridors occurred in FY15 and FY16. Phase 2 (Locally Preferred Alternative) facility planning for MD 355 will occur in FY17-19 contingent on State funding. Planning and design for US 29 will occur in FY17 and FY18. Construction may begin as early as FY18 contingent on State funding.

#### Cost Change

Increases reflect the addition of 1) \$5 million in FY17-19 to share costs with the Maryland Department of Transportation to conduct Phase 2 facility planning on MD 355; 2) \$4.9 million to complete planning and design for US 29; and 3) \$1.25 million for marketing and outreach.

#### Justification

The proposed RTS will reduce congestion on County and State roadways, increase transit ridership, and improve air quality. The RTS will enhance the County's ability to meet transportation demands for existing and future land uses. Plans & Studies: MCDOT Countywide Bus Rapid Transit Study, Final Report (July 2011); County Executive's Transit Task Force (May 2012); and, Countywide Transit corridors Functional Master Plan (November 2013).

#### Other

The County has programmed funds for the Maryland Department of Transportation (MDOT) to conduct preliminary engineering for a master-planned RTS line on Veirs Mill Road between the Rockville and Wheaton Metro Stations (\$6 million). This study is funded in the State Transportation Participation project, PDF #500722. The Georgia Avenue study was terminated in FY15.

#### Fiscal Note

## Rapid Transit System (P501318)

The Maryland Department of Transportation draft Consolidated Transportation Program for 2014-2019 provides \$10 million for County Rapid Transit System planning; \$4.2 million in FY15 and \$5.8 million in FY16. The Department is using these funds to begin facility planning for the MD 355 and US 29 corridors; FY17 includes \$1.6 million in Liquor Bonds reallocated from the State Transportation Participation project. The project originally included \$1 million in Liquor Bonds for facility planning on the New Hampshire Avenue corridor. Those funds have been reallocated to US 29 planning and design. Assumes \$2 million in Impact Taxes from the cities of Rockville and Gaithersburg toward MD 355 facility planning. Assumes \$2 million in private contributions for US 29 planning and design.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Maryland Department of Transportation, Washington Metropolitan Area Transit Authority, Maryland-National Capital Park and Planning Commission, City of Rockville, City of Gaithersburg, Montgomery County Rapid Transit Steering Committee, State Transportation Participation project (#500722)

## Ride On Bus Fleet (P500821)

Category: Transportation  
 Sub Category: Mass Transit  
 Administering Agency: Transportation (AAGE30)  
 Planning Area: Countywide

Date Last Modified: 11/17/14  
 Required Adequate Public Facility: No  
 Relocation Impact: None  
 Status: Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	228,826	79,351	45,209	104,266	18,115	16,882	23,199	17,340	17,860	10,870	0
<b>Total</b>	<b>228,826</b>	<b>79,351</b>	<b>45,209</b>	<b>104,266</b>	<b>18,115</b>	<b>16,882</b>	<b>23,199</b>	<b>17,340</b>	<b>17,860</b>	<b>10,870</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Bond Premium	956	956	0	0	0	0	0	0	0	0	0
Contributions	475	0	475	0	0	0	0	0	0	0	0
Fed Stimulus (State Allocation)	6,550	6,550	0	0	0	0	0	0	0	0	0
Federal Aid	39,365	14,069	15,696	9,600	1,600	1,600	1,600	1,600	1,600	1,600	0
Impact Tax	2,350	1,881	469	0	0	0	0	0	0	0	0
Mass Transit Fund	97,227	1,621	12,440	83,166	7,015	14,882	21,199	15,340	15,860	8,870	0
Short-Term Financing	66,763	48,734	8,929	9,100	9,100	0	0	0	0	0	0
State Aid	15,140	5,540	7,200	2,400	400	400	400	400	400	400	0
<b>Total</b>	<b>228,826</b>	<b>79,351</b>	<b>45,209</b>	<b>104,266</b>	<b>18,115</b>	<b>16,882</b>	<b>23,199</b>	<b>17,340</b>	<b>17,860</b>	<b>10,870</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	18,115
Appropriation Request Est.	FY 18	16,882
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		124,560
Expenditure / Encumbrances		100,363
Unencumbered Balance		24,197

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 17 228,826
Last FY's Cost Estimate	190,996

#### Description

This project provides for the purchase of replacement and additional buses in the Ride On fleet in accordance with the Division of Transit Services' bus replacement plan and the Federal Transportation Administration's service guidelines

#### Estimated Schedule

FY17: 14 full-size CNG and 19 full-size diesel; FY18: 23 full-size CNG and 5 full-size hybrid; FY19: 9 full-size hybrid and 31 small diesel; FY20: 31 large diesel; FY21: 22 full-size hybrid; FY22: 13 full-size hybrid

#### Cost Change

Addition of 17 full-size diesel buses to implement Priority Service on MD 355 starting in FY18; addition of FY21 and FY22 for replacement buses.

#### Justification

The full-size transit buses have an expected useful life of twelve years. Smaller buses have an expected useful life of ten years.

#### Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

Department of General Services, Maryland Transit Administration

# Glenmont Metro Parking Expansion (P500552)

Category	WMATA	Date Last Modified	11/17/14
Sub Category	Mass Transit	Required Adequate Public Facility	No
Administering Agency	W.M.A.T.A. (AAGE22)	Relocation Impact	None
Planning Area	Kensington-Wheaton	Status	Final Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	25	2	23	0	0	0	0	0	0	0	0
Land	352	352	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	22,491	17,560	4,931	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>22,868</b>	<b>17,914</b>	<b>4,954</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: WMATA Surcharge	4,885	0	4,885	0	0	0	0	0	0	0	0
G.O. Bonds	1	1	0	0	0	0	0	0	0	0	0
PAYGO	375	375	0	0	0	0	0	0	0	0	0
Revenue Bonds	7,569	7,569	0	0	0	0	0	0	0	0	0
Revenue Bonds: Liquor Fund	10,038	9,969	69	0	0	0	0	0	0	0	0
<b>Total</b>	<b>22,868</b>	<b>17,914</b>	<b>4,954</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	-363
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		23,231
Expenditure / Encumbrances		17,914
Unencumbered Balance		5,317

Date First Appropriation	FY 05
First Cost Estimate	
Current Scope	FY 16 23,231
Last FY's Cost Estimate	24,731

#### Description

This project provides for the design and construction of 1,200 additional garaged parking spaces at the Glenmont Metrorail Station on the west side of Georgia Avenue.

#### Cost Change

Decrease reflects actual project costs.

#### Justification

The County's 10-Year Transportation Plan calls for the expansion of the existing Glenmont Metro Garage. The existing garage is regularly over capacity early on weekday mornings. By expanding parking at the station, more potential transit riders will be drawn to use Metrorail rather than driving to Washington, D.C. and to Silver Spring. WMATA has prepared traffic and environmental studies for the parking expansion as well as General Plans. The WMATA Compact Public Hearing was held on April 26, 2006. Plans incorporate the Georgia Avenue Greenway, ADA requirements, and pedestrian safety.

#### Other

The full cost of this project is \$26,329,000. The Maryland Department of Transportation has contributed \$1,600,000 for the design of this garage, which is not reflected in the expenditure and funding schedules since these funds went directly to WMATA. The project will be designed and constructed by WMATA.

#### Fiscal Note

Transfer of \$1.5M in FY16 to Bridge Design (#509132) and Bridge Renovation (#509753).

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination

Maryland-National Capital Park and Planning Commission, Washington Metropolitan Area Transit Authority, Maryland Department of Transportation, Department of Transportation, Department of General Services

## Parking Lot Districts Service Facility (P501551)

Category                      Transportation  
 Sub Category                Parking  
 Administering Agency      Transportation (AAGE30)  
 Planning Area                Silver Spring

Date Last Modified            11/17/14  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	729	164	150	415	300	115	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	227	0	0	227	227	0	0	0	0	0	0
Construction	3,126	0	0	3,126	2,333	793	0	0	0	0	0
Other	115	0	0	115	0	115	0	0	0	0	0
<b>Total</b>	<b>4,197</b>	<b>164</b>	<b>150</b>	<b>3,883</b>	<b>2,860</b>	<b>1,023</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: Parking - Silver Spring	4,197	164	150	3,883	2,860	1,023	0	0	0	0	0
<b>Total</b>	<b>4,197</b>	<b>164</b>	<b>150</b>	<b>3,883</b>	<b>2,860</b>	<b>1,023</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Energy				43	0	-17	15	15	15	15	15
Maintenance				260	0	-8	67	67	67	67	67
Program-Other				-689	0	147	-209	-209	-209	-209	-209
<b>Net Impact</b>				<b>-386</b>	<b>0</b>	<b>122</b>	<b>-127</b>	<b>-127</b>	<b>-127</b>	<b>-127</b>	<b>-127</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	612
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,585
Expenditure / Encumbrances		340
Unencumbered Balance		3,245

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 17                      4,197
Last FY's Cost Estimate	3,585

#### Description

The PLD Service Facility is proposed to include offices for the meter and maintenance teams, shops for meter repair and cleaning, dry storage and staff facilities for everyday use and emergency service callbacks. The facility will allow consolidation of the existing Parking Maintenance office directly across Spring Street (currently in leased space) and the Meter Maintenance Shop currently located on the ground floor of Garage 4 near Thayer Avenue and Fenton Street. The facility will be adjacent to the northern wall of Garage 2.

#### Location

1200 Spring Street, Silver Spring

#### Capacity

The facility will consist of 11,500 gross square feet of office, shop, and staff facilities space to support approximately 30 to 35 staff members and contractual employees.

#### Estimated Schedule

Design performed during FY15 and FY16. Construction will be performed during FY17 and the first quarter of FY18.

#### Cost Change

Costs increased for construction materials, provision of PEPCO services to site, and installation of a green roof.

#### Justification

Moving the Meter Maintenance Shop will allow the future sale/redevelopment of the property. The existing lease for the Parking Maintenance Office is located in a building that has been purchased by a new owner. The County has been put on notice that the lease will not be renewed at its scheduled termination. The Meter Shop currently is located in Garage 4 in South Silver Spring. This facility will either need extensive rehabilitation for continued use or may be the subject of a future demolition and redevelopment. Combining these teams in one location will allow space saving for conference rooms, kitchen and break room. Garage 2 also has space for additional employee parking and secure parking for Meter Maintenance vehicles. An analysis by the Leasing Office of the Department of General Services has determined that leasing or buying an existing building will cost significantly more than the construction of a new facility on PLD owned land. Operating expenses are expected to decrease by combining the two current facilities into one.

#### Fiscal Note

There will be no land costs since the facility will be built on a surface lot owned by the Parking Lot District. Full appropriation was requested in FY15 in order to accomplish a design/build contract.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination



## Parking Lot Districts Service Facility (P501551)

PEPCO, Washington Suburban Sanitary Commission, Department of Technology Services, Office of Management and Budget, Maryland-National Capital Park and Planning Commission

## Bicycle-Pedestrian Priority Area Improvements (P501532)

Category	Transportation	Date Last Modified	5/19/16
Sub Category	Pedestrian Facilities/Bikeways	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Countywide	Status	TBA

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	2,600	309	216	2,075	300	300	300	375	400	400	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	13,775	0	850	12,925	1,700	1,700	1,700	2,125	2,850	2,850	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16,375</b>	<b>309</b>	<b>1,066</b>	<b>15,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,500</b>	<b>3,250</b>	<b>3,250</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	375	309	66	0	0	0	0	0	0	0	0
G.O. Bonds	16,000	0	1,000	15,000	2,000	2,000	2,000	2,500	3,250	3,250	0
<b>Total</b>	<b>16,375</b>	<b>309</b>	<b>1,066</b>	<b>15,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,500</b>	<b>3,250</b>	<b>3,250</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,000
Appropriation Request Est.	FY 18	2,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,375
Expenditure / Encumbrances		309
Unencumbered Balance		1,066

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 17 16,375
Last FY's Cost Estimate	5,375

#### Description

The project provides for the design and construction of bicycle and pedestrian capital improvements in the 28 Bicycle-Pedestrian Priority Areas (BiPPAs) identified in County master plans. Examples of such improvements include, but are not limited to: sidewalk, curb, and curb ramp reconstruction to meet ADA best practices, bulb-outs, cycle tracks, street lighting, and relocation of utility poles.

#### Location

A study in FY15 identified sub-projects in the following BiPPAs: Glenmont, Grosvenor, Silver Spring Central Business District, Veirs Mill/Randolph Road, and Wheaton Central Business District.

#### Estimated Schedule

Subprojects in the Silver Spring CBD BiPPA began in FY16. Planning for the Flower Avenue/Piney Branch Road; Piney Branch Road/University Boulevard, and the Takoma-Langley Sector Plan will occur in FY17. Implementation of subprojects in the Grosvenor, Glenmont, Wheaton CD, Veirs Mill Road/Randolph Road, Flower Avenue/Piney Branch Road; Piney Branch Road/University Boulevard, and Takoma-Langley Crossroads BiPPAs will begin in FY17 and subsequent years.

#### Cost Change

Cost Change due to the addition of FY21 And FY22 to this ongoing project and additional \$1.0 million per year level of effort FY17-19, \$1.5 million in FY20 and \$2.25 million in FY21 and FY22.

#### Justification

This project will enhance the efforts in other projects to improve pedestrian and bicycle mobility in those areas where walking and biking are most prevalent. These efforts will also help meet master plan non-auto-driver mode share (NADMS) goals.

#### Other

The 28 BiPPAs are identified in various county master plans.

#### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

#### Coordination

Chambers of Commerce, Department of Permitting Services, Maryland-National Capital Park and Planning Commission, Maryland State Highway Administration, Regional Service Centers, Urban Districts, Utility companies, Washington Metropolitan Area Transit Authority

## Bikeway Program - Minor Projects (P507596)

Category  
Sub Category  
Administering Agency  
Planning Area

Transportation  
Pedestrian Facilities/Bikeways  
Transportation (AAGE30)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

11/17/14  
No  
None  
Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,408	415	0	993	143	170	170	170	170	170	0
Land	103	43	0	60	10	10	10	10	10	10	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	3,555	0	1,428	2,127	377	350	350	350	350	350	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,066</b>	<b>458</b>	<b>1,428</b>	<b>3,180</b>	<b>530</b>	<b>530</b>	<b>530</b>	<b>530</b>	<b>530</b>	<b>530</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	4,805	208	1,428	3,169	519	530	530	530	530	530	0
State Aid	261	250	0	11	11	0	0	0	0	0	0
<b>Total</b>	<b>5,066</b>	<b>458</b>	<b>1,428</b>	<b>3,180</b>	<b>530</b>	<b>530</b>	<b>530</b>	<b>530</b>	<b>530</b>	<b>530</b>	<b>0</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Maintenance				5	0	1	1	1	1	1	1
<b>Net Impact</b>				<b>5</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	530
Appropriation Request Est.	FY 18	530
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,886
Expenditure / Encumbrances		968
Unencumbered Balance		918

Date First Appropriation	FY 75	
First Cost Estimate		
Current Scope	FY 17	5,066
Last FY's Cost Estimate		4,897

#### Description

This program provides for the planning, design, and construction of bikeways, trails, and directional route signs throughout the County to develop the bikeway network specified by master plans and those requested by the community to provide access to commuter rail, mass transit, major employment centers, recreational and educational facilities, and other major attractions. The program will construct bicycle facilities that will cost less than \$1,000,000 and includes shared use paths, on-road bicycle facilities, wayfinding, and signed shared routes.

#### Estimated Schedule

Avery Road (FY17-18), Rockville Pike at Strathmore (FY18-20), Washington Grove Connector (FY21-22), and Emory Lane (FY21-22).

#### Cost Change

Cost increase due to the addition of FY21 and FY22 to this on-going project partially offset by capitalization of prior year expenditures.

#### Justification

There is a continuing and increasing need to develop a viable and effective bikeway and trail network throughout the County to increase bicyclist safety and mobility, provide an alternative to the use of automobiles, reduce traffic congestion, reduce air pollution, conserve energy, enhance quality of life, provide recreational opportunities, and encourage healthy life styles. This program implements the bikeways recommended in local area master plans, in the 2005 Countywide Bikeways Functional Master Plan and those identified by individuals, communities, the Montgomery County Bicycle Action Group, or bikeway segments and connectors necessitated by the subdivision process. Projects identified by individuals and communities will be used as an ongoing project guide which will be implemented in accordance with the funds available in each fiscal year. This program also complements and augments the bikeways that are included in road projects.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

Maryland Department of Transportation, Maryland State Highway Administration, Maryland-National Capital Park and Planning Commission, Department of Police, Citizen Advisory Boards, Montgomery County Bicycle Action Group, Coalition for the Capital Crescent Trail, Montgomery Bicycle Advocates

## Bradley Boulevard (MD 191) Improvements (P501733)

Category  
Sub Category  
Administering Agency  
Planning Area

Transportation  
Pedestrian Facilities/Bikeways  
Transportation (AAGE30)  
Bethesda-Chevy Chase

Date Last Modified 5/13/16  
Required Adequate Public Facility  
Relocation Impact  
Status

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,908	0	0	1,350	0	0	0	668	682	0	558
Land	5,029	0	0	1,776	0	0	0	0	0	1,776	3,253
Site Improvements and Utilities	1,965	0	0	0	0	0	0	0	0	0	1,965
Construction	6,598	0	0	0	0	0	0	0	0	0	6,598
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>15,500</b>	<b>0</b>	<b>0</b>	<b>3,126</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>668</b>	<b>682</b>	<b>1,776</b>	<b>12,374</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	15,500	0	0	3,126	0	0	0	668	682	1,776	12,374
<b>Total</b>	<b>15,500</b>	<b>0</b>	<b>0</b>	<b>3,126</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>668</b>	<b>682</b>	<b>1,776</b>	<b>12,374</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 17 15,500
Last FY's Cost Estimate	0

### Description

This project provides for completing final design and construction for the master planned dual bikeway along Bradley Boulevard which includes two 11' traffic lanes, two 5' on-road bike lanes, an 8' off-road shared use path on the north side of the road, and a 5' sidewalk on the south side of the road. The project limits extend approximately one mile from Wilson Lane to Glenbrook Road. The project connects the existing sidewalk on Bradley Boulevard east of Goldsboro Road and an existing sidewalk on Wilson Lane to improve pedestrian safety and provide access to transit stops and the Bethesda CBD. The project also includes the addition of left turn lanes on all four legs of the Bradley Boulevard and Wilson Lane intersection, two additional un-signalized crosswalks across Bradley Boulevard at Durbin Road and Pembroke Road, drainage improvements, and pedestrian lighting. This project also includes the land acquisitions and utility relocations that support the roadway improvements. The project is broken down into phases. Phase I includes everything except for the shared-use path, which is assumed in Phase II.

### Estimated Schedule

Phase I: Final design will begin in FY 20 and finish in FY21. Land acquisition is scheduled to begin in FY22. Construction will start and end in FY25. Phase II: final design, land acquisition and construction will be scheduled beyond the current 6 year fiscal cycle.

### Justification

The service area is predominantly high-income residential with several schools (Landon, Whitman HS, and Pyle MS) that could potentially generate bike-trips. Bethesda Row and other shopping centers are located a half mile to the east. There are 17 Montgomery County Ride-On bus stops (8 westbound and 9 eastbound) within the project area. This project will comply with area mater plans, improve bicycle and pedestrian facilities, encourage bicycle usage and improve safety for all users. It will improve access to major destination in and beyond the project area and ultimately connect to other sidewalk and bicycle facilities.

### Other

Costs are based on preliminary design. This project currently provides funding for phase I improvements only.

### Fiscal Note

The total estimated cost for all phases of this project is in the \$18 to \$20 million range including design, land acquisition, site improvements, utility relocation and construction. The project can be built in phases to better absorb cost and financial constraints.

## Capital Crescent Trail (P501316)

Category	Transportation	Date Last Modified	11/17/14
Sub Category	Pedestrian Facilities/Bikeways	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Bethesda-Chevy Chase	Status	Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	681	69	92	480	100	125	125	50	40	40	40
Land	1,430	0	1,430	0	0	0	0	0	0	0	0
Site Improvements and Utilities	238	0	238	0	0	0	0	0	0	0	0
Construction	55,048	0	2,056	52,933	13,092	11,491	14,086	10,249	2,848	1,167	59
Other	0	0	0	0	-3,000	-3,000	-3,000	3,000	3,000	3,000	0
<b>Total</b>	<b>57,397</b>	<b>69</b>	<b>3,816</b>	<b>53,413</b>	<b>10,192</b>	<b>8,616</b>	<b>11,211</b>	<b>13,299</b>	<b>5,888</b>	<b>4,207</b>	<b>99</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	48,606	0	0	48,507	10,192	8,616	9,011	10,593	5,888	4,207	99
Impact Tax	8,791	69	3,816	4,906	0	0	2,200	2,706	0	0	0
<b>Total</b>	<b>57,397</b>	<b>69</b>	<b>3,816</b>	<b>53,413</b>	<b>10,192</b>	<b>8,616</b>	<b>11,211</b>	<b>13,299</b>	<b>5,888</b>	<b>4,207</b>	<b>99</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	8,023
Appropriation Request Est.	FY 18	8,616
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,054
Expenditure / Encumbrances		275
Unencumbered Balance		5,779

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 17
Last FY's Cost Estimate	95,856

#### Description

This project provides for the funding of the Capital Crescent trail, including the main trail from Elm Street Park in Bethesda to Silver Spring as a largely 12-foot-wide hard-surface hiker-biker path, connector paths at several locations, a new bridge over Connecticut Avenue, a new underpass beneath Jones Mill Road, supplemental landscaping and amenities, and lighting at trail junctions, underpasses, and other critical locations.

#### Justification

This trail will be part of a larger system to enable non-motorized traffic in the Washington, DC region. This trail will connect to the existing Capital Crescent Trail from Bethesda to Georgetown, the Metropolitan Branch Trail from Silver Spring to Union Station, and the Rock Creek Bike Trail from northern Montgomery County to Georgetown. The trail will serve pedestrians, bicyclists, joggers, and skaters, and will be compliant with the Americans with Disabilities Act of 1990 (ADA), the Bethesda CBD Sector Plan, and the Purple Line Functional Master Plan.

#### Other

The County will continue to coordinate with the Maryland Transit Administration (MTA) to identify options to build a sidewalk or path alongside the Purple Line beneath Wisconsin Avenue and the Air Rights and Apex buildings in Bethesda. If the County and the MTA identify feasible options, the County will consider adding them to the scope of this project in the future.

#### Fiscal Note

The project schedule and cost estimates were updated in FY17 as a result of the MTA's proposed public-private partnership for the Purple Line and reflects the actual bid by the Concessionaire. The expenditure schedule also reflects a negotiated cash flow arrangement with MTA for FY17-19, allowing a deferral of \$3 million per year to FY20-22.

#### Coordination

Maryland Transit Administration, Maryland Department of Transportation, State Highway Administration, Maryland-National Capital Park and Planning Commission, Bethesda Bikeway and Pedestrian Facilities, Coalition for the Capital Crescent Trail, CSX Transportation, Washington Metropolitan Area Transit Authority. Special Capital Projects Legislation [Bill No. 32-14] was adopted by Council by June 17, 2014.

## Falls Road East Side Hiker/ Biker Path (P500905)

Category	Transportation	Date Last Modified	5/13/16
Sub Category	Pedestrian Facilities/Bikeways	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Potomac-Travilah	Status	Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,786	0	0	1,786	0	0	0	119	1,500	167	0
Land	2,700	0	0	2,700	0	0	0	0	1,794	906	0
Site Improvements and Utilities	3,000	0	0	3,000	0	0	0	0	0	3,000	0
Construction	17,344	0	0	286	0	0	0	0	0	286	17,058
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>24,830</b>	<b>0</b>	<b>0</b>	<b>7,772</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>119</b>	<b>3,294</b>	<b>4,359</b>	<b>17,058</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	18,536	0	0	1,478	0	0	0	119	0	1,359	17,058
Impact Tax	6,244	0	0	6,244	0	0	0	0	3,244	3,000	0
Intergovernmental	50	0	0	50	0	0	0	0	50	0	0
<b>Total</b>	<b>24,830</b>	<b>0</b>	<b>0</b>	<b>7,772</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>119</b>	<b>3,294</b>	<b>4,359</b>	<b>17,058</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	FY 17      24,830
Last FY's Cost Estimate	24,830

#### **Description**

This project provides funds to develop final design plans, acquire right-of-way, and construct approximately 4 miles of an 8-foot bituminous hiker/biker path along the east side of Falls Road from River Road to Dunster Road. Falls Road is classified as a major highway and has a number of side street connections along the project corridor. The path will provide pedestrians and cyclists safe access to communities along this project corridor, and will provide a connection to existing pedestrian facilities to the north (Rockville) and to the south (Potomac).

#### **Location**

Falls Road from River Road to Dunster Road

#### **Estimated Schedule**

Final design to start in FY20 and conclude in FY22. Property acquisition to start in FY21 and take approximately 2 years to complete. Utility relocations and construction will start in FY22.

#### **Justification**

This path provides access to public transportation along Falls Road. The path will provide pedestrian access to the following destinations: bus stops along Falls Road, Bullis School, Ritchie Park Elementary School, Potomac Community Center, Potomac Library, Potomac Village Shopping Center, Potomac Promenade Shopping Center, Heritage Farm Park, Falls Road Golf Club, Falls Road Park, and a number of religious facilities along Falls Road. The 2002 Potomac Subregion Master Plan calls for a Class I (off-road) bike path along Falls Road from the Rockville City limit to MacArthur Boulevard. The path is a missing link between existing bicycle facilities within the City of Rockville and existing path along Falls Road south of River Road.

#### **Other**

Montgomery County Department of Transportation has completed Phase 2 facility planning, preliminary design, with funds from the annual bikeway program.

#### **Fiscal Note**

Intergovernmental revenue represents the Washington Suburban Sanitary Commission's (WSSC) portion of the water and sewer relocation costs. Federal Transportation Enhancement Funds will be pursued after property acquisition has been completed. The project schedule is adjusted due to fiscal capacity.

#### **Disclosures**

A pedestrian impact analysis has been completed for this project.

#### **Coordination**

Maryland-National Capital Park and Planning Commission (M-NCPPC), State Highway Administration, Utility Companies, Department of Environmental Protection, Department of Permitting Services, Washington Gas, Pepco, Verizon, Maryland Department of Natural Resources

## Franklin Avenue Sidewalk (P501734)

Category                    Transportation  
 Sub Category              Pedestrian Facilities/Bikeways  
 Administering Agency    Transportation (AAGE30)  
 Planning Area              Silver Spring

Date Last Modified        5/11/16  
 Required Adequate Public Facility    No  
 Relocation Impact        None  
 Status                        Final Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	914	0	0	914	0	0	0	346	355	213	0
Land	865	0	0	865	0	0	0	0	412	453	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	1,521	0	0	1,521	0	0	0	0	0	1,521	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>346</b>	<b>767</b>	<b>2,187</b>	<b>0</b>
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	3,300	0	0	3,300	0	0	0	346	767	2,187	0
<b>Total</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>346</b>	<b>767</b>	<b>2,187</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	
First Cost Estimate	
Current Scope	FY 17                    3,300
Last FY's Cost Estimate	0

#### Description

This project provides for continuous sidewalk along the north side of Franklin Ave from Colesville Rd (US 29) to University Blvd (MD 193). The project includes 4600 linear feet of sidewalk, new curb and gutter, and storm drains.

#### Estimated Schedule

Final Design will begin in FY20. Land acquisition will begin in FY21 and Construction will occur in FY22.

#### Justification

This project is needed to construct a missing segment of sidewalk along the north side of Franklin Ave. Continuous and safe pedestrian access will be provided to existing sidewalks and bikeways, transit stops, churches, schools and public facilities in the Silver Spring area. This project conforms to the 2000 East Silver Spring Master Plan.

#### Other

Preliminary Design was completed in the Facility Planning - Transportation project in FY15.

#### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

#### Coordination

Maryland Transit Administration, Maryland Department of Transportation, State Highway Administration, Office of the County Executive, Maryland-National Capital Park and Planning Commission, Department of General Services, Department of Permitting Services, Silver Spring Transportation Management District, Silver Spring Chamber of Commerce.

## Frederick Road Bike Path (P501118)

Category	Transportation	Date Last Modified	11/17/14
Sub Category	Pedestrian Facilities/Bikeways	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Clarksburg	Status	Final Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,820	821	389	610	100	215	295	0	0	0	0
Land	1,198	12	326	860	173	687	0	0	0	0	0
Site Improvements and Utilities	802	0	670	132	0	92	40	0	0	0	0
Construction	3,373	0	0	3,373	150	1,548	1,675	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>7,193</b>	<b>833</b>	<b>1,385</b>	<b>4,975</b>	<b>423</b>	<b>2,542</b>	<b>2,010</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	7,193	833	1,385	4,975	423	2,542	2,010	0	0	0	0
<b>Total</b>	<b>7,193</b>	<b>833</b>	<b>1,385</b>	<b>4,975</b>	<b>423</b>	<b>2,542</b>	<b>2,010</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Energy				9	0	0	0	3	3	3	
Maintenance				36	0	0	0	12	12	12	
<b>Net Impact</b>				<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>15</b>	

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	4,975
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,218
Expenditure / Encumbrances		870
Unencumbered Balance		1,348

Date First Appropriation	FY 11
First Cost Estimate	
Current Scope	FY 15 7,193
Last FY's Cost Estimate	7,193

#### **Description**

This project provides for the design, land acquisition, and construction of a new 10-foot wide hiker-biker path along the west side of Frederick Road (MD 355) between Stringtown Road and the existing hiker-biker path near Milestone Manor Lane, a distance of approximately 2.5 miles. The entire project will replace about 0.9 miles of existing sidewalk segments in order to provide a continuous route serving two schools, two parks, and a church. The project includes streetlights and street trees.

#### **Location**

Frederick Road between Stringtown Road and Milestone Manor Lane

#### **Estimated Schedule**

Final design and land acquisitions are currently underway. Utility relocations will start in FY17 and will be completed in FY19. Construction will start in FY17 and will be completed in FY19.

#### **Justification**

This project will provide the first bike path connection between Clarksburg and north Germantown.

#### **Fiscal Note**

Funds for this project were originally programmed through Public Facilities Roads (CIP #507310). The project schedule is adjusted to reflect latest implementation.

#### **Disclosures**

A pedestrian impact analysis has been completed for this project.

#### **Coordination**

Maryland State Highway Administration, Maryland-National Capital Park and Planning Commission, Utility Companies



## Metropolitan Branch Trail (P501110)

Category	Transportation	Date Last Modified	4/26/16
Sub Category	Pedestrian Facilities/Bikeways	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Silver Spring	Status	Final Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	4,590	1,525	739	2,326	233	500	1,593	0	0	0	0
Land	2,967	8	2,959	0	0	0	0	0	0	0	0
Site Improvements and Utilities	626	0	10	616	10	35	571	0	0	0	0
Construction	10,110	0	274	9,836	266	4,305	5,265	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>18,293</b>	<b>1,533</b>	<b>3,982</b>	<b>12,778</b>	<b>509</b>	<b>4,840</b>	<b>7,429</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	18,293	1,533	3,982	12,778	509	4,840	7,429	0	0	0	0
<b>Total</b>	<b>18,293</b>	<b>1,533</b>	<b>3,982</b>	<b>12,778</b>	<b>509</b>	<b>4,840</b>	<b>7,429</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	509
Appropriation Request Est.	FY 18	12,269
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,515
Expenditure / Encumbrances		1,658
Unencumbered Balance		3,857

Date First Appropriation	FY 11
First Cost Estimate	
Current Scope	FY 16      18,293
Last FY's Cost Estimate	18,293

#### Description

This project provides for the design, land acquisition, utility relocations, and construction of the 0.6 mile segment of the trail in Montgomery County between the end of the existing trail in Takoma Park and the Silver Spring Transit Center. The trail will be designed to be 8 feet to 12 feet in width. The construction will be performed in three phases: the initial phase will construct the trail segment along Fenton Street and King Street; the second phase will extend the trail to Georgia Avenue; the final phase will construct a new bridge over Georgia Avenue and extend the trail to Ripley Street. The design for the second phase will include a grade-separated crossing of Burlington Avenue, the narrowing of Selim Road, and the construction of retaining walls. Two sections of the trail north of the B&O train station will be constructed by a developer during the development of the new progress place and the redevelopment of the existing progress place sites. This project's scope of work includes connecting the two developer installed trail segments and widening the existing section at Ripley Street.

#### Estimated Schedule

Phase I final design and land acquisition will be completed in FY16. Phase I construction will begin in FY16 and be completed in FY17. Phase II utility relocations will be completed in FY18. Phase II construction will begin in FY18 and Phase III will start in FY19. Phases II and III construction will be completed in FY19.

#### Justification

The Metropolitan Branch Trail is to be part of a larger system of trails to enable non-motorized travel around the Washington region. The overall goal for these trails is to create a bicycle beltway that links Union Station and the Mall in Washington, D.C. to Takoma Park, Silver Spring, and Bethesda in Maryland. The trail will serve pedestrians, bicyclists, joggers, and skaters, and will be Americans with Disabilities Act of 1990 (ADA) accessible. Plans & Studies: Silver Spring Central Business District Sector Plan. Disabilities Act of 1990 (ADA) accessible. Plans & Studies: Silver Spring Central Business District Sector Plan.

#### Other

The County is currently negotiating with the Maryland Historical Trust and Maryland Preservation Inc. regarding right-of-way impacts and the final alignment of a pedestrian bridge crossing over Georgia Avenue. The initial design for the project was funded through Facility Planning: Transportation (CIP#509337). The expenditures reflect the previously approved FY13-18 alignment over Georgia Avenue, which provides a crossing that is safe, cost-effective, and has a more limited visual impact than other proposed alternatives. This project will be coordinated with the redevelopment of Progress Place and other construction activity in the Ripley district of Silver Spring to minimize impacts to surrounding property owners.

#### Fiscal Note

Federal Transportation Enhancement Funds will be pursued after property acquisition is complete.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination

Washington Metropolitan Area Transit Authority, CSX-Transportation, Maryland State Highway Administration, Montgomery College, Maryland Historical Trust, Purple Line Project, Maryland-National Capital Park and Planning Commission, Montgomery County Department of Health and Human Services. Special Capital Projects Legislation was enacted on June 23, 2015 and signed into law on July 6, 2015 (Bill No. 29-15).

## Silver Spring Green Trail (P509975)

Category  
Sub Category  
Administering Agency  
Planning Area

Transportation  
Pedestrian Facilities/Bikeways  
Transportation (AAGE30)  
Silver Spring

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

11/17/14  
No  
None  
Preliminary Design Stage

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,442	1,192	0	250	0	50	50	50	50	50	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	533	0	0	533	118	114	120	90	77	14	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,975</b>	<b>1,192</b>	<b>0</b>	<b>783</b>	<b>118</b>	<b>164</b>	<b>170</b>	<b>140</b>	<b>127</b>	<b>64</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	265	265	0	0	0	0	0	0	0	0	0
G.O. Bonds	862	79	0	783	118	164	170	140	127	64	0
PAYGO	848	848	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1,975</b>	<b>1,192</b>	<b>0</b>	<b>783</b>	<b>118</b>	<b>164</b>	<b>170</b>	<b>140</b>	<b>127</b>	<b>64</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,626
Expenditure / Encumbrances		1,192
Unencumbered Balance		434

Date First Appropriation	FY 99	
First Cost Estimate		
Current Scope	FY 17	1,975
Last FY's Cost Estimate		4,279

#### Description

This project provides for an urban trail along the selected Purple Line alignment along Wayne Avenue in Silver Spring. A Memorandum of Understanding (MOU) will be established between the County and the Maryland Transit Administration (MTA) to incorporate the design and construction of the trail as a part of the design and construction of the Purple Line. The pedestrian and bicycle use along this trail supplements the County transportation program. The funding provided for the trail includes the design, property acquisition, and construction of the trail through the Silver Spring Central Business District (CBD), along the northern side of Wayne Avenue from Fenton Street to the Sligo Creek Hiker-Biker Trail. This trail is part of a transportation corridor and is not a recreation area of State or local significance. The trail will include an 8 to 10 foot wide bituminous shared use path, lighting, and landscaping. The trail will provide access to the Silver Spring Transit Station via the Metropolitan Branch and the future Capital Crescent Trail.

#### Justification

This project will create an important link through Silver Spring to the Silver Spring Transit Center and will provide connectivity to other trails and mitigate congestion on area roads.

#### Fiscal Note

The project schedule and cost estimate were updated in FY17 as a result of the MTA's proposed Public Private Partnership for the Purple Line and reflect the actual bid by the Concessionaire.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

Maryland-National Capital Park and Planning Commission, Maryland State Highway Administration, Washington Metropolitan Area Transit Authority, Utility Companies, Silver Spring Chamber of Commerce, Silver Spring Transportation Management District, Maryland Transit Administration

## Bethesda CBD Streetscape (P500102)

Category	Transportation	Date Last Modified	5/9/16
Sub Category	Roads	Required Adequate Public Facility	Yes
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Bethesda-Chevy Chase	Status	Preliminary Design Stage

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,997	413	500	410	0	0	0	0	410	674
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	910	0	0	0	0	0	0	0	0	910
Construction	2,814	0	0	0	0	0	0	0	0	2,814
Other	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,721</b>	<b>413</b>	<b>500</b>	<b>410</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>410</b>	<b>4,398</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	5,721	413	500	410	0	0	0	0	410	4,398
<b>Total</b>	<b>5,721</b>	<b>413</b>	<b>500</b>	<b>410</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>410</b>	<b>4,398</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,502
Expenditure / Encumbrances		431
Unencumbered Balance		1,071

Date First Appropriation	FY 01	
First Cost Estimate		
Current Scope	FY 17	5,721
Last FY's Cost Estimate		8,214

#### Description

This project provides for the design and construction of pedestrian improvements to complete unfinished streetscapes along approximately 2,670 feet of Central Business District (CBD) streets in Bethesda as identified in the Bethesda CBD Sector Plan. This includes 475 feet along Woodmont Avenue between Old Georgetown Road and Cheltenham Drive; 1,825 feet along Wisconsin Avenue between Cheltenham Drive and the northern end of the CBD; and 370 feet along East-West Highway between Waverly Street and Pearl Street. It is intended to fill the gaps between private development projects which have been constructed or are approved in the CBD. The design elements include the replacement and widening (where possible) of sidewalks, new vehicular and pedestrian lighting, street trees, street furniture, and roadway signs. This project addresses streetscape improvements only and does not assume the undergrounding of utilities.

#### Location

Bethesda CBD

#### Estimated Schedule

Project deferred until FY22 due to current pace of development activity within the CBD.

#### Cost Change

Cost decrease due to reduced scope of work as a result of developer activities in the CBD.

#### Justification

Staging in the Bethesda CBD Sector Plan recommends implementation of transportation improvements and facilities identified in Stage I prior to moving to Stage II. Bethesda CBD Sector Plan, approved and adopted July 1994; and Bethesda Streetscape Plan Standards, updated April 1992.

#### Other

Since the current scope was approved in FY13, developers have been required to construct portions of the work along East-West Highway, Woodmont Avenue and Wisconsin Avenue. This project will study potential replacement segments that can be completed with the savings derived from the developer-built segments. Potential candidate segments on Norfolk Avenue, Woodmont Avenue, and Cordell Avenue will be considered. Coordination with Pepco revealed that the installation of aesthetic coverings on existing utility poles is not technically feasible.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination

Maryland-National Capital Park and Planning Commission, Montgomery County Public Schools, Department of Permitting Services, Maryland State Highway Administration, Utility Companies, Bethesda-Chevy Chase Regional Services Center

## Century Boulevard (P501115)

Category                    Transportation  
 Sub Category              Roads  
 Administering Agency    Transportation (AAGE30)  
 Planning Area              Germantown

Date Last Modified            11/17/14  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            TBA

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,357	2,357	0	0	0	0	0	0	0	0
Land	820	345	475	0	0	0	0	0	0	0
Site Improvements and Utilities	227	100	127	0	0	0	0	0	0	0
Construction	11,581	7,791	3,790	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>14,985</b>	<b>10,593</b>	<b>4,392</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Contributions	4,000	462	1,438	2,100	1,400	700	0	0	0	0
G.O. Bonds	10,985	10,131	2,954	-2,100	-1,400	-700	0	0	0	0
<b>Total</b>	<b>14,985</b>	<b>10,593</b>	<b>4,392</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Energy				4	1	1	1	1	0	0
Maintenance				4	1	1	1	1	0	0
<b>Net Impact</b>				<b>8</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		14,985
Expenditure / Encumbrances		11,350
Unencumbered Balance		3,635

Date First Appropriation	FY 11
First Cost Estimate	
Current Scope	FY 16            14,985
Last FY's Cost Estimate	15,187

#### Description

This project provides for the design, utilities and construction of a new four-lane divided, closed section roadway from its current terminus south of Oxbridge Tract to its intersection with future Dorsey Mill Road, a distance of approximately 2,565 feet. The project has been coordinated to accommodate the Corridor Cities Transitway (CCT) within its right-of-way. The new road will be constructed below Father Hurley Boulevard at the existing bridge crossing. This project will also provide construction of a new arch culvert at the existing stream crossing with a five-foot concrete sidewalk along the east side, retaining walls, and an eight-foot bike way along the west side of the road.

#### Estimated Schedule

Design phase completed in Winter 2011. Land acquisition completed in Summer 2012. Construction started in Summer 2012 and completed in Fall 2013. The roadway is currently open and operational.

#### Justification

This project provides a vital link in the Germantown area. The new roadway segment provides the necessary link to the future Dorsey Mill Road overpass over I-270, thus providing a connection to Clarksburg without using I-270. This link creates a connection between economic centers on the east and west side of I-270. The linkage to Dorsey Mill Road also establishes a roadway alternative to congested north-south roadways such as I-270 and MD 355. In addition, the CCT will operate within the right-of-way of Century Boulevard.

#### Other

This project was initially funded under the County's Subdivision Road Participation program (CIP No. #508000). This project became a stand-alone project in FY11.

#### Fiscal Note

The schedule reflects the terms and conditions regarding contributions from the developer for the repayment of County funds and are specified within a Memorandum of Understanding (MOU) between the County and the developer. In FY14, \$530,000 in GO Bonds was transferred to MacArthur Boulevard Bikeway Improvements (P500718). In FY15, \$120,000 in GO Bonds was transferred to Greentree Road Sidewalk (P500506). In FY16, \$202,000 in GO Bonds was transferred to the Bridge Design CIP (P509732).

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination

## Century Boulevard (P501115)

Maryland Transit Authority (Corridor Cities Transitway), Developers, Maryland State Highway Administration, Maryland Department of the Environment, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Washington Suburban Sanitary Commission, Allegheny Power, Washington Gas Light Company, Verizon, Annual Bikeway Program

## Facility Planning-Transportation (P509337)

Category                    Transportation  
 Sub Category            Roads  
 Administering Agency   Transportation (AAGE30)  
 Planning Area            Countywide

Date Last Modified            5/18/16  
 Required Adequate Public Facility    No  
 Relocation Impact                None  
 Status                                Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	58,793	42,346	2,927	13,520	2,950	1,470	2,125	2,235	2,435	2,305	0
Land	622	622	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	128	128	0	0	0	0	0	0	0	0	0
Construction	54	54	0	0	0	0	0	0	0	0	0
Other	52	52	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>59,649</b>	<b>43,202</b>	<b>2,927</b>	<b>13,520</b>	<b>2,950</b>	<b>1,470</b>	<b>2,125</b>	<b>2,235</b>	<b>2,435</b>	<b>2,305</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Contributions	4	4	0	0	0	0	0	0	0	0	0
Current Revenue: General	43,504	33,129	0	10,375	1,235	300	2,060	2,170	2,370	2,240	0
Impact Tax	6,070	3,050	1,500	1,520	610	610	0	0	0	0	0
Intergovernmental	785	764	21	0	0	0	0	0	0	0	0
Land Sale	2,099	2,099	0	0	0	0	0	0	0	0	0
Mass Transit Fund	5,453	2,422	1,406	1,625	1,105	260	65	65	65	65	0
Recreation Tax Premium	1,659	1,659	0	0	0	0	0	0	0	0	0
State Aid	75	75	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>59,649</b>	<b>43,202</b>	<b>2,927</b>	<b>13,520</b>	<b>2,950</b>	<b>1,470</b>	<b>2,125</b>	<b>2,235</b>	<b>2,435</b>	<b>2,305</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,720
Appropriation Request Est.	FY 18	1,470
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		47,359
Expenditure / Encumbrances		45,087
Unencumbered Balance		2,272

Date First Appropriation	FY 93
First Cost Estimate	
Current Scope	FY 17      59,649
Last FY's Cost Estimate	56,799

### Description

This project provides for planning and preliminary engineering design for new and reconstructed highway projects, pedestrian facilities, bike facilities, and mass transit projects under consideration for inclusion in the Capital Improvements Program (CIP). Prior to the establishment of a stand-alone project in the CIP, the Department of Transportation will perform Phase I of facility planning, a rigorous planning-level investigation of the following critical project elements: purpose and need; usage forecasts; traffic operational analysis; community, economic, social, environmental, and historic impact analyses; recommended concept design and public participation are considered. At the end of Phase I, the Transportation, Infrastructure, Energy and Environment (T&E) Committee of the County Council reviews the work and determines if the project has the merits to advance to Phase II of facility planning: preliminary (35 percent level of completion) engineering design. In preliminary engineering design, construction plans are developed showing specific and detailed features of the project, from which its impacts and costs can be more accurately assessed. At the completion of Phase II, the County Executive and County Council hold project-specific public hearings to determine if the candidate project merits consideration in the CIP as a funded stand-alone project.

### Cost Change

Cost changes due to the addition of several new studies and the addition of FY21-22 to this ongoing level-of-effort project.

### Justification

There is a continuing need to define the scope and determine need, benefits, implementation feasibility, horizontal and vertical alignments, typical sections, impacts, community support/opposition, preliminary costs, and alternatives for master planned transportation recommendations. Facility Planning provides decision makers with reliable information to determine if a master-planned transportation recommendation merits inclusion in the CIP as a stand-alone project. The sidewalk and bikeway projects in Facility Planning specifically address pedestrian needs.

### Fiscal Note

Starting in FY01, Mass Transit Funds provide for mass transit related candidate projects. Impact taxes will continue to be applied to qualifying projects

### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.  
 Expenditures will continue indefinitely.

## Facility Planning-Transportation (P509337)

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Maryland-National Capital Park and Planning Commission, Maryland State Highway Administration, Maryland Department of the Environment, Maryland Department of Natural Resources, U.S. Army Corps of Engineers, Department of Permitting Services, Utilities, Municipalities, Affected communities, Commission on Aging, Commission on People with Disabilities, Montgomery County Pedestrian Safety Advisory Committee

**FACILITY PLANNING TRANSPORTATION – No. 509337**  
**FY17-22 PDF Project List**

**Studies Underway or to Start in FY17-18:**

**Road Projects**

- Dorsey Mill Road Extended and Bridge (over I-270)
- Midcounty Hwy Extended (Mont. Village Ave – MD27)
- Summit Avenue Extended (Plyers Mill Rd – University Blvd)

**Sidewalk/Bikeway Projects**

- Goldsboro Road Bikeway (MacArthur Blvd – River Rd)
- MacArthur Blvd Bikeway Improvements Segment 1 (Stable La – I-495)
- Tuckerman Lane Sidewalk (Gainsborough Rd – Old Georgetown Rd)

**Mass Transit Projects**

- Boyds Transit Improvements
- Germantown Transit Center Expansion
- Lakeforest Transit Center Modernization
- Milestone Transit Center Expansion
- Upcounty Park-and-Ride Expansion

**Candidate Studies to Start in FY19-22:**

**Road Projects**

- MD 355 (Clarksburg) Bypass
- North High Street Extended to Morningwood Drive
- Old Columbia Pike (Stewart La to Industrial Pkwy)
- Crabbs Branch Way-Amity Drive Connector

**Sidewalk/Bikeway Projects**

- Bowie Mill Road Bikeway (MD115 – MD108)
- Capitol View Ave/Metropolitan Ave (MD192) Sidewalk/Bikeway (Forest Glen Rd-Ferndale St)
- Sandy Spring Bikeway (MD108 – MD182 – Norwood Rd)

**Mass Transit Projects**

- Clarksburg Transit Center
- Olney Longwood Park-and-Ride



## Goshen Road South (P501107)

Category	Transportation	Date Last Modified	5/19/16
Sub Category	Roads	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Gaithersburg Vicinity	Status	Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	12,913	4,207	1,043	2,852	329	25	25	100	330	2,043	4,811
Land	17,010	24	0	16,986	671	904	1,100	9,836	4,475	0	0
Site Improvements and Utilities	14,730	0	0	10,317	0	0	0	0	4,908	5,408	4,413
Construction	87,806	0	0	0	0	0	0	0	0	0	87,806
Other	28	28	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>132,487</b>	<b>4,259</b>	<b>1,043</b>	<b>30,155</b>	<b>1,000</b>	<b>929</b>	<b>1,125</b>	<b>9,836</b>	<b>9,714</b>	<b>7,451</b>	<b>97,030</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	120,725	2,637	1,012	20,046	1,000	929	0	6,674	6,939	4,504	97,030
Impact Tax	4,162	1,822	31	2,509	0	0	1,125	662	275	447	0
Intergovernmental	7,600	0	0	7,600	0	0	0	2,600	2,500	2,500	0
<b>Total</b>	<b>132,487</b>	<b>4,259</b>	<b>1,043</b>	<b>30,155</b>	<b>1,000</b>	<b>929</b>	<b>1,125</b>	<b>9,936</b>	<b>9,714</b>	<b>7,451</b>	<b>97,030</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0	
Appropriation Request Est.	FY 18	0	
Supplemental Appropriation Request		0	
Transfer		0	
Cumulative Appropriation		15,756	
Expenditure / Encumbrances		5,053	
Unencumbered Balance		10,702	

Date First Appropriation	FY 11		
First Cost Estimate			
Current Scope	FY 17	132,487	
Last FY's Cost Estimate		128,630	

#### Description

This project provides for the design, land acquisition, utility relocations, and construction of roadway improvements along Goshen Road from south of Girard Street to 1,000 feet North of Warfield Road, a distance of approximately 3.5 miles. The improvements will widen Goshen Road from the existing two-lane open section to a four-lane divided, closed section roadway using 12-foot inside lanes, 11-foot outside lanes, 18-foot median, and five-foot on-road bike lanes. A five-foot concrete sidewalk and an eight-foot bituminous hiker/biker path along the east and west side of the road, respectively, are also proposed along with storm drain improvements, street lighting and landscaping. The project also entails construction of approximately 6,000 linear feet of retaining wall.

#### Capacity

The Average Daily Traffic (ADT) on Goshen Road for the year 2025 is forecasted to be about 26,000.

#### Estimated Schedule

Final design is underway and will conclude in FY16. Property acquisition will start in FY17 and will be completed by FY21. Utility relocations will begin in FY21 and construction will begin in FY23.

#### Cost Change

Cost increase due to the addition of noise barriers and more accurate estimates for utility relocations and construction.

#### Justification

This project is needed to reduce existing and future congestion and improve pedestrian and vehicular safety. Based on projected traffic volumes (year 2025), all intersections along Goshen Road will operate at an unacceptable level-of-service if the road remains in its current condition. The proposed project will provide congestion relief and create improved roadway network efficiency, provide for alternate modes of transportation, and will significantly improve pedestrian safety by constructing a sidewalk and a hiker/biker path. The Gaithersburg Vicinity Master Plan (January 1985; Amended May 1988; Amended July 1990) identifies Goshen Road as a major highway slated for improvement to 4-6 lanes.

#### Fiscal Note

Intergovernmental revenue is from the Washington Suburban Sanitary Commission (WSSC) for its agreed share of water and sewer relocation costs.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination

Maryland-National Capital Park and Planning Commission, Maryland State Highway Administration, Utility Companies, Department of Permitting Services, City of Gaithersburg, Facility Planning; Transportation (CIP #509337)

## Highway Noise Abatement (P500338)

Category  
Sub Category  
Administering Agency  
Planning Area

Transportation  
Roads  
Transportation (AAGE30)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

5/9/16  
No  
None  
Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,163	1,042	71	50	25	25	0	0	0	0
Land	28	28	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	1,736	1,736	0	0	0	0	0	0	0	0
Other	9	9	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,936</b>	<b>2,815</b>	<b>71</b>	<b>50</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	2,936	2,815	71	50	25	25	0	0	0	0
<b>Total</b>	<b>2,936</b>	<b>2,815</b>	<b>71</b>	<b>50</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	25
Appropriation Request Est.	FY 18	25
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,886
Expenditure / Encumbrances		2,840
Unencumbered Balance		46

Date First Appropriation	FY 03
First Cost Estimate	
Current Scope	FY 17 2,936
Last FY's Cost Estimate	3,286

#### Description

This project provides funds for the study and prioritization of noise abatement measures along publicly owned and maintained roads in Montgomery County, except freeways. Once the need and priority of the abatement measures are established, funding is provided for their design and construction.

#### Location

Countywide

#### Cost Change

Cost reduction due to lower demand for noise walls expected in FY17-18 offset by the addition of FY21 and FY22 to this ongoing project.

#### Justification

Residents regularly request noise abatement measures along County and State roads. The purpose of this project is to respond to these requests in accordance with the Transportation Noise Abatement Policy. Requests would result in noise studies that would determine the need, whether the requested location meets the noise criteria for abatement measures, determination of its priority, and future design and construction. The Highway Noise Abatement Policy was developed by the Noise Abatement Task Force in 2001. The Policy establishes criteria for evaluating the need for noise abatement along publicly maintained roads.

#### Other

This project was conceived through participation on the Noise Abatement Task Force that developed a policy and criteria for evaluating the need and appropriateness of requests for noise abatement along publicly maintained roads in Montgomery County. The project allows for the implementation of the policy established through this Task Force by providing funds for the study and prioritization of requests and the implementation of noise abatement measures.

#### Fiscal Note

There may be contributions from impacted and benefited property owners in the future as specified in the Policy. In FY12, \$21,000 was transferred to Advance Reforestation (CIP #500112). Expenditures will continue indefinitely.

#### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

#### Coordination

Maryland-National Capital Park and Planning Commission, Department of Environmental Protection, Department of Permitting Services, Maryland State Highway Administration

## Montrose Parkway East (P500717)

Category	Transportation	Date Last Modified	5/19/18
Sub Category	Roads	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	North Bethesda-Garrett Park	Status	Final Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	18,512	3,282	170	7,566	190	319	340	615	2,695	3,406	7,494
Land	18,056	3,916	7,350	6,790	1,258	1,039	1,068	1,970	1,455	0	0
Site Improvements and Utilities	6,490	0	0	3,300	0	0	0	0	3,100	200	3,190
Construction	96,830	0	0	45,143	0	0	0	0	20,749	24,894	51,687
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>139,888</b>	<b>7,198</b>	<b>7,520</b>	<b>62,799</b>	<b>1,448</b>	<b>1,358</b>	<b>1,408</b>	<b>2,585</b>	<b>28,000</b>	<b>28,000</b>	<b>62,371</b>

	Total	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>										
EDAET	504	504	0	0	0	0	0	0	0	0
G.O. Bonds	88,349	4,163	1,308	45,507	649	1,358	0	223	22,003	21,274
Impact Tax	18,743	1,617	6,212	10,914	799	0	1,408	2,362	3,172	3,173
Intergovernmental	728	0	0	728	0	0	0	0	0	728
Recordation Tax Premium	6,564	914	0	5,650	0	0	0	2,825	2,825	0
State Aid	25,000	0	0	0	0	0	0	0	0	25,000
<b>Total</b>	<b>139,888</b>	<b>7,198</b>	<b>7,520</b>	<b>62,799</b>	<b>1,448</b>	<b>1,358</b>	<b>1,408</b>	<b>2,585</b>	<b>28,000</b>	<b>62,371</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	799
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
<b>Cumulative Appropriation</b>		<b>20,819</b>
Expenditure / Encumbrances		7,474
Unencumbered Balance		13,345

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 17 139,888
Last FY's Cost Estimate	119,890

#### Description

This project provides for a new four-lane divided arterial road as recommended in the North Bethesda/Garrett Park and Aspen Hill Master Plans. The roadway will have a curb and gutter section with 11-foot wide lanes, a ten-foot wide bikepath on the north side, and a five-foot wide sidewalk on the south side. The limits of the 1.6 mile project are between the recently constructed MD 355/Montrose interchange on the west and the existing Veirs Mill Road/Parkland Drive/Gaynor Road intersection on the east. The Maryland State Highway Administration (SHA) is preparing the construction plans for the western portion of the project (the "SHA-designed portion"), which meet the County-prepared plans at a point 800 feet east of Parklawn Drive. The project includes a 230-foot bridge spanning the CSX railroad tracks and Nebel Street, a single-point urban interchange (SPUI) with a 198-foot bridge over Parklawn Drive, a 107-foot pedestrian bridge carrying Rock Creek Trail over Montrose Parkway, a 350-foot roadway bridge over Rock Creek, and an at-grade tie-in to Veirs Mill Road. State-of-the-art stormwater management, landscaping, and reforestation practices are included within the scope of the project.

#### Capacity

Average daily traffic is projected to be 42,000 vehicles per day by 2020.

#### Estimated Schedule

Design and land acquisition phase is expected to be complete by FY21. Construction is expected to start in FY21 and be complete in FY24.

#### Cost Change

Cost increases due to the addition of inflation and updated estimates for construction of the SHA-designed portion between Parklawn Drive and MD355.

#### Justification

This project will relieve traffic congestion on roadways in the area through increased network capacity. The project also provides improved safety for motorists, pedestrians, and bicyclists, as well as providing a greenway. The North Bethesda/Garrett Park Master Plan classifies this roadway as Arterial A-270. The Phase I Facility Planning process was completed in June 2004 with a final project prospectus recommending implementation.

#### Other

Design of this project will take into consideration the master planned Veirs Mill Bus Rapid Transit (BRT) service. Consistent with the County's master plan, trucks with more than four wheels will be prohibited from Montrose Parkway East between Parklawn Drive and Veirs Mill Road, except for trucks allowed for the parkway's maintenance and in emergency situations.

#### Fiscal Note

## Montrose Parkway East (P500717)

\$25 million in State Aid is programmed in the Beyond 6-Years; the County will continue to pursue additional state funding for the construction of the portion of the roadway between MD 355 and Parklawn Drive. \$9 million for the design of the SHA segment between the MD 355/Montrose Parkway interchange and Parklawn Drive is funded through State Transportation Participation (CIP #500722). Intergovernmental revenue represents the Washington Suburban Sanitary Commission's (WSSC) share of water and sewer relocation costs.

### Disclosures

A pedestrian impact analysis has been completed for this project.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### Coordination

Department of Fire and Rescue Services, Department of Transportation, Department of Permitting Services, Maryland-National Capital Park and Planning Commission, Maryland State Highway Administration, Maryland Department of Environment, Washington Suburban Sanitary Commission, Washington Gas, Pepco, Verizon, State Transportation Participation, Special Capital Projects Legislation [Bill No. 16-08] was adopted by Council June 10, 2008.

## Platt Ridge Drive Extended (P501200)

Category  
Sub Category  
Administering Agency  
Planning Area

Transportation  
Roads  
Transportation (AAGE30)  
Bethesda-Chevy Chase

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

5/9/16  
No  
None  
Under Construction

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	891	759	0	132	132	0	0	0	0	0
Land	10	5	5	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	2,799	0	0	2,799	2,799	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3,700</b>	<b>764</b>	<b>5</b>	<b>2,931</b>	<b>2,931</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	3,639	764	5	2,870	2,870	0	0	0	0	0
Intergovernmental	61	0	0	61	61	0	0	0	0	0
<b>Total</b>	<b>3,700</b>	<b>764</b>	<b>5</b>	<b>2,931</b>	<b>2,931</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Maintenance				5	0	.1	1	1	1	1
<b>Net Impact</b>				<b>5</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,700
Expenditure / Encumbrances		998
Unencumbered Balance		2,704

Date First Appropriation	FY 12
First Cost Estimate	
Current Scope	FY 12 3,700
Last FY's Cost Estimate	3,700

#### Description

This project consists of a northerly extension of existing Platt Ridge Drive from its terminus at Jones Bridge Road, approximately 600 feet through North Chevy Chase Local Park to connect with Montrose Driveway, a street in the Chevy Chase Valley (also known as Spring Valley or Chevy Chase Section 9) subdivision. To minimize impact to the park environment, it is proposed that the road be of minimal complexity and width. The road would be a two-lane rolled curb section of tertiary width (20 feet) with guardrails and a minimum right-of-way width of 30 feet; sidewalks, streetlights, drainage ditches and similar features are not proposed in order to minimize impacts to the park. Pedestrian access will continue to be provided by the existing five-foot sidewalks on both sides of Spring Valley Road.

#### Capacity

The project will benefit the residents and visitors to the 60 homes in Chevy Chase Valley plus the members and users of the Chevy Chase Recreation Association swim and tennis club whose only access is through the Chevy Chase Valley community, as well as all motorists, pedestrians and bicyclists using Jones Bridge Road from Platt Ridge Drive to Connecticut Avenue.

#### Estimated Schedule

Detailed planning and design activities began in FY12 and will be completed in FY16. Construction will start and be completed in FY17.

#### Justification

Vehicular ingress and egress anticipated from the Chevy Chase Valley community is currently difficult and will become even more difficult with the increase in traffic from the Base Realignment and Closure (BRAC) relocation of Walter Reed Army Medical Center to Bethesda, especially with construction of a new southbound lane on Connecticut Avenue between I-495 and Jones Bridge Road now proposed by the Maryland State Highway Administration. As a result, an engineering traffic study seeking solutions to the congestion problem was commissioned by the Department of Transportation. The study entitled "Spring Valley Traffic Study" dated June 2010 was prepared by STV Incorporated and serves as the facility planning document for this project. Four alternative solutions to the traffic problem were studied. It was found that Alternative 2 (a new traffic signal at Jones Bridge Road and Spring Valley Road) would have a positive effect for a limited period of time. As a result, a temporary traffic signal was installed in FY11 with funding from the Traffic Signals project (CIP No. #507154). It was also found that Alternative 3 (the extension of Platt Ridge Drive to Montrose Driveway) would provide the most cost-effective approach to a permanent solution. All planning and design work will be done in close consultation and coordination with the M-NCPPC.

#### Other

The project is delayed by one year due to delays in resolving park mitigation issues. Right-of-way for this project will be dedicated to the public by the M-NCPPC or purchased through ALARF funding. The project will benefit the residents and visitors of the community of Chevy Chase Valley and the motorists, pedestrians, and bicyclists using Jones Bridge Road from Platt Ridge Drive to Connecticut Avenue who are impacted by the BRAC relocation.

#### Fiscal Note

## Platt Ridge Drive Extended (P501200)

Intergovernmental funding represents the Washington Suburban Sanitary Commission's (WSSC) share of the water and sewer relocation costs.

### **Disclosures**

A pedestrian impact analysis has been completed for this project.

### **Coordination**

Maryland-National Capital Park and Planning Commission, Maryland State Highway Administration, Washington Suburban Sanitary Commission, Department of Transportation, Department of Permitting Services, Department of Environmental Protection

## Seminary Road Intersection Improvement (P501307)

Category	Transportation	Date Last Modified	6/19/16
Sub Category	Roads	Required Adequate Public Facility	No
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Silver Spring	Status	Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,533	0	408	1,125	13	31	200	881	0	0	0
Land	605	0	58	547	12	227	200	108	0	0	0
Site Improvements and Utilities	570	0	0	570	0	0	0	570	0	0	0
Construction	4,550	0	0	4,550	0	200	1,179	3,171	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>7,258</b>	<b>0</b>	<b>466</b>	<b>6,792</b>	<b>25</b>	<b>458</b>	<b>1,579</b>	<b>4,730</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	7,233	0	466	6,767	25	458	1,579	4,705	0	0	0
Intergovernmental	25	0	0	25	0	0	0	25	0	0	0
<b>Total</b>	<b>7,258</b>	<b>0</b>	<b>466</b>	<b>6,792</b>	<b>25</b>	<b>458</b>	<b>1,579</b>	<b>4,730</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Energy				2	0	0	0	0	1	1	
<b>Net Impact</b>				<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	981
Appropriation Request Est.	FY 18	5,831
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		466
Expenditure / Encumbrances		0
Unencumbered Balance		466

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 15 7,258
Last FY's Cost Estimate	7,258

#### Description

This project provides for the design, land acquisition, and construction of an approximate 400-foot segment of Seminary Road between the Brookville Road/Seminary Place and Linden Lane/Second Avenue intersections on a new alignment; reconstruction of 650 feet of Seminary Place from Seminary Road to 450 feet east of Riley Place with a vertical alignment revision at Riley Place; increasing the Linden Lane curb lane widths along the 250 foot section between Brookville Road and Second Avenue to provide two 15-foot shared-use lanes to accommodate bicyclists; and reconstruction of the 250 foot segment of Brookville Road between Linden Lane and Seminary Road. Seminary Road will be a closed-section roadway with two 15-foot shared-use lanes, sidewalks, and will have auxiliary turn lanes at the Brookville Road/Seminary Place and Linden Lane/Second Avenue intersections. Seminary Place will be a closed section roadway with two 15-foot shared-use lanes and a sidewalk along the northern side. Brookville Road will be a closed-section roadway with one southbound 16-foot shared-use lane, sidewalks, and a parking lane on the western side. The project amenities include street lights, landscaping, and stormwater management.

#### Capacity

The Seminary Road Average Daily Traffic (ADT) volume for year 2007 was 11,300.

#### Estimated Schedule

Final design began in Summer 2015. Construction will start in FY18 and be complete by FY20.

#### Justification

This project will simplify vehicle movements and improve traffic congestion by eliminating the Seminary Road "sweep" between Brookville Road and Second Avenue. In addition, pedestrian and bicyclist safety will be improved. The proposed Seminary Place vertical alignment revision at Riley Place will increase intersection sight distance. Reconstruction of the segment of Seminary Road intersections between Brookville Road and Second Avenue is recommended in the North and West Silver Spring Master Plan. Facility Planning - Phase I study completed in FY09 and Phase II in FY11.

#### Fiscal Note

Intergovernmental revenues represent the Washington Suburban Sanitary Commission's (WSSC) share of the water and sewer relocation costs. The project schedule is adjusted for fiscal capacity.

#### Disclosures

A pedestrian impact analysis has been completed for this project.

#### Coordination

Washington Suburban Sanitary Commission, Department of Permitting Services, Pepco, Verizon, Washington Gas, Maryland-National Capital Park and Planning Commission

## Stringtown Road (P501208)

Category	Transportation	Date Last Modified	5/9/16
Sub Category	Roads	Required Adequate Public Facility	Yes
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Clarksburg	Status	Under Construction

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	999	489	186	324	324	0	0	0	0	0	0
Land	62	4	58	0	0	0	0	0	0	0	0
Site Improvements and Utilities	642	0	588	54	54	0	0	0	0	0	0
Construction	6,297	6	1,691	4,600	2,622	1,978	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8,000</b>	<b>499</b>	<b>2,523</b>	<b>4,978</b>	<b>3,000</b>	<b>1,978</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

FUNDING SCHEDULE (\$000s)											
Contributions	4,000	0	1,000	3,000	3,000	0	0	0	0	0	0
G.O. Bonds	4,000	499	1,523	1,978	0	1,978	0	0	0	0	0
<b>Total</b>	<b>8,000</b>	<b>499</b>	<b>2,523</b>	<b>4,978</b>	<b>3,000</b>	<b>1,978</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

OPERATING BUDGET IMPACT (\$000s)											
Energy				5	0	1	1	1	1	1	1
Maintenance				25	0	5	5	5	5	5	5
<b>Net Impact</b>				<b>30</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		8,000
Expenditure / Encumbrances		504
Unencumbered Balance		7,496

Date First Appropriation	FY 11	
First Cost Estimate		
Current Scope	FY 16	8,000
Last FY's Cost Estimate		8,000

#### Description

This project provides funding to participate with a developer to design, acquire land, relocate utilities, and construct the 3,200-foot section of Stringtown Road from Overlook Park Drive to Snowden Farm Parkway. This project will construct 1,200 feet of the four lane divided roadway (from Overlook Park Drive to future Gate Rail Road), an 8-foot wide bikeway along the north side and on the south side an 8-foot bikeway transitioning to a 5-foot sidewalk. From future Gate Rail Road to Snowden Farm Parkway construct 2,000 feet of the two westbound lanes an 8-foot wide bikeway along the north side. The project will also include street lighting, stormwater management, landscaping and reforestation.

#### Estimated Schedule

Construction to begin in FY16 and be completed in FY18.

#### Justification

This project ultimately will provide sufficient capacity to handle circulation near the Clarksburg Town Center and adjacent residential neighborhoods, and to eliminate substandard segments of Stringtown Road. The addition of a hiker-biker path and sidewalk along the road will improve pedestrian and bike circulation in the vicinity.

#### Other

The County has entered into a Road Participation Agreement with the new Developer of the Clarksburg Town Center to construct this project.

#### Fiscal Note

The total cost of this project is \$8.0 million, of which \$4.0 million will be contributed by the developer. The construction cost estimate is based on information provided by the developer during the negotiation of the Road Participation Agreement. The developer will construct this project in accordance with the Road Participation Agreement and will seek impact tax credits in the future. In FY14, \$55,000 was transferred to this project from Father Hurley Blvd. Extended (CIP #500516).

#### Coordination

Maryland National Capital Park and Planning Commission, Developer



## Traffic Signal System Modernization (P500704)

Category                    Transportation  
 Sub Category            Traffic Improvements  
 Administering Agency   Transportation (AAGE30)  
 Planning Area            Countywide

Date Last Modified        5/9/16  
 Required Adequate Public Facility   No  
 Relocation Impact        None  
 Status                        Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	12,698	12,073	25	600	100	100	100	100	100	100	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	31,294	17,316	5,550	8,428	2,238	1,638	1,138	1,138	1,138	1,138	0
Construction	230	230	0	0	0	0	0	0	0	0	0
Other	968	93	10	865	0	865	0	0	0	0	0
<b>Total</b>	<b>45,190</b>	<b>29,712</b>	<b>5,585</b>	<b>9,893</b>	<b>2,338</b>	<b>2,603</b>	<b>1,238</b>	<b>1,238</b>	<b>1,238</b>	<b>1,238</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Contributions	295	0	295	0	0	0	0	0	0	0	0
Current Revenue: General	10,623	355	375	9,893	2,338	2,603	1,238	1,238	1,238	1,238	0
G.O. Bonds	15,494	14,528	966	0	0	0	0	0	0	0	0
Recordation Tax Premium	6,778	5,191	1,587	0	0	0	0	0	0	0	0
State Aid	12,000	9,638	2,362	0	0	0	0	0	0	0	0
<b>Total</b>	<b>45,190</b>	<b>29,712</b>	<b>5,585</b>	<b>9,893</b>	<b>2,338</b>	<b>2,603</b>	<b>1,238</b>	<b>1,238</b>	<b>1,238</b>	<b>1,238</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Maintenance				54	3	5	8	10	13	15	
Program-Staff				600	50	50	100	100	150	150	
Program-Other				36	3	3	6	6	9	9	
<b>Net Impact</b>				<b>690</b>	<b>56</b>	<b>58</b>	<b>114</b>	<b>116</b>	<b>172</b>	<b>174</b>	
Full Time Equivalent (FTE)					1.0	1.0	2.0	2.0	3.0	3.0	

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	2,329
Appropriation Request Est.	FY 18	2,603
Supplemental Appropriation Request		0
Transfer		0
<b>Cumulative Appropriation</b>		<b>35,306</b>
<b>Expenditure / Encumbrances</b>		<b>30,936</b>
<b>Unencumbered Balance</b>		<b>4,370</b>

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 17            43,325
Last FY's Cost Estimate	40,849

#### Description

This project provides for the modernization of the County's aged traffic signal system. Phase I consisted of planning, requirements development, systems engineering, and testing. Phase II consists of acquisition of central system hardware and software, acquisition, and implementation of control equipment and communications for intersections, as well as reconfiguration of the communications cable plant. Phase I was completed in FY08. Phase II implementation commenced in FY09. As a result of the November 2009 failure of the existing system, Phase II was refined into two sub-phases, A and B, so that replacement of the existing system could be accelerated. Phase IIA encompassed critical work that was necessary to deactivate the existing system. Phase IIB includes all other work that is not critical to replacement of the existing system.

#### Estimated Schedule

Phase I - completed, FY07-08    Phase IIA - completed FY12, Phase IIB - FY13-16; ongoing Life Cycle Upgrades - FY17 and beyond.

#### Cost Change

Cost increase due to the addition of a pilot Adaptive Traffic Control (ATC) system in FY17-18, the addition of Traffic Signal Prioritization in FY18, and the addition of FY21-22 to this ongoing level-of-effort project.

#### Justification

## Traffic Signal System Modernization (P500704)

The existing traffic signal control system, though it has been highly reliable, is an aging system dependent on dated technology. Central and field communications devices are obsolete and problematic to maintain. As the technologies employed in the Advanced Transportation Management System (ATMS) have advanced, it has become increasingly difficult to interface with the existing traffic signal control system (COMTRAC). Because of the limited functionality of COMTRAC, the system is not able to take advantage of the capabilities of the current generation of local intersection controllers. These capabilities provide a greater level of flexibility to manage traffic demands. In November 2009, the existing traffic signal system experienced a failure that caused significant congestion and delays throughout the County for nearly two days. This event led to an acceleration of the schedule to replace the existing system. The following reports were developed as part of the research, planning and system engineering work on this project. These reports documented the existing condition and need to modernize the existing signal control system, as well as the evaluation and engineering of specific components of the replacement system: White paper on the Status and Future of the Traffic Control System in Montgomery County, March 2001; Concept of Operations (rev 1.4), October 2007; TSSM Requirements (rev g), October 2007; TSSM Communications Master Plan (rev c), February 2009; TSSM Risk Assessment and Analysis (rev e), April 2009. Given the effort to modernize the signal system and its infrastructure, it is important and prudent to take steps to prevent the system from becoming outdated. A proactive program to replace equipment by its "life cycle" usefulness is required given the dependency on technology driven devices and software to maintain traffic control capabilities and full redundancy fail-over systems. This assumes a level of effort (LOE) designation and funding be appropriated beginning in FY17.

### **Fiscal Note**

The county's traffic signal system supports approximately 800 traffic signals, about 550 of which are owned by the Maryland State Highway Administration (MSHA) and maintained and operated by the County on a reimbursement basis. MSHA plans to separately fund and implement other complementary work and intersection upgrades amounting to approximately \$12.5 million that are not reflected in the project costs displayed above. Project appropriations were reduced in FY09 (-\$106,000) and FY11 (-\$269,000) to reconcile the recall of a \$375,000 federal earmark that was originally programmed in FY07. MSHA has committed to provide \$12 million in State aid to this project. This aid was originally programmed during FY09-14, but did not materialize due to the State's fiscal situation. In addition \$2 million in State Aid was moved to the TSSM project from the State Transportation Participation (STP) CIP (No. 500722) in FY11 with repayment to STP programmed in FY17. In FY16, \$9,000 in Current Revenue was transferred from the Brookville Service Park CIP (#509928). In FY16, a funding switch of \$295,000 in Contributions added to this project, fully offsetting a similar amount in Current Revenue.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Advanced Transportation Management System, Fibernet, State Transportation Participation, Traffic Signals Project, Department of Technology Services, Maryland State Highway Administration

## Child Care in Schools (P649187)

Category Health and Human Services  
 Sub Category Health and Human Services  
 Administering Agency General Services (AAGE29)  
 Planning Area Countywide

Date Last Modified 5/6/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,268	1,143	0	125	70	42	10	3	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	2,935	976	766	1,193	743	0	363	87	0	0	0
Other	22	22	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,225</b>	<b>2,141</b>	<b>766</b>	<b>1,318</b>	<b>813</b>	<b>42</b>	<b>373</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	4,207	2,123	766	1,318	813	42	373	90	0	0	0
PAYGO	18	18	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>4,225</b>	<b>2,141</b>	<b>766</b>	<b>1,318</b>	<b>813</b>	<b>42</b>	<b>373</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	318
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,907
Expenditure / Encumbrances		2,141
Unencumbered Balance		1,766

Date First Appropriation	FY 91	
First Cost Estimate		
Current Scope	FY 17	4,226
Last FY's Cost Estimate		3,907

#### Description

This project provides for the placement of a large designated child care classroom at public schools where Montgomery County Public Schools (MCPS) is undertaking major construction or renovation. MCPS will oversee the construction or renovation of the school, and the County will arrange to lease the child care portion of the building to a private child-care provider. Cost estimates are based on per square foot costs for elementary school construction, and adjusted by the additional State licensing requirements for child care, related to restroom and food preparation facilities. Site specific factors are not included.

#### Estimated Schedule

Planning and design for Wheaton Woods and Brown Station Child Care Centers is scheduled for FY16. Construction for both projects is expected to begin in FY16 and to be completed in FY17. Design of Burtonsville Child Care Center is scheduled to begin in FY18.

#### Cost Change

Cost increase due to net effect of the addition of Burtonsville Child Care Center and reduction of estimated cost for the Wheaton Woods and Brown Station Child Care Centers.

#### Justification

Findings from the Child Care Modular Study (1989) support this project. The Report of the Interagency Committee on Child Care Facilities at Public School Sites (1989) established the policy of locating child day care facilities at school sites, with priority given to programs that met school selection criteria, facility size, capital budgeting and fiscal procedures.

#### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

#### Coordination

Department of Health and Human Services, Department of General Services, Montgomery County Public Schools

## Dennis Avenue Health Center (P641106)

Category Health and Human Services  
 Sub Category Health and Human Services  
 Administering Agency General Services (AGE29)  
 Planning Area Kensington-Wheaton

Date Last Modified 5/13/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Under Construction

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	5,601	3,066	2,335	200	200	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	4,014	96	2,418	1,500	1,500	0	0	0	0	0	0
Construction	25,032	16,863	6,169	2,000	2,000	0	0	0	0	0	0
Other	2,748	124	2,624	0	0	0	0	0	0	0	0
<b>Total</b>	<b>37,395</b>	<b>20,149</b>	<b>13,546</b>	<b>3,700</b>	<b>3,700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	37,395	20,149	13,546	3,700	3,700	0	0	0	0	0	0
<b>Total</b>	<b>37,395</b>	<b>20,149</b>	<b>13,546</b>	<b>3,700</b>	<b>3,700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Energy				636	106	106	106	106	106	106	106
Maintenance				588	98	98	98	98	98	98	98
<b>Net Impact</b>				<b>1,224</b>	<b>204</b>	<b>204</b>	<b>204</b>	<b>204</b>	<b>204</b>	<b>204</b>	<b>204</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		37,395
Expenditure / Encumbrances		26,530
Unencumbered Balance		10,865

Date First Appropriation	FY 11	
First Cost Estimate		
Current Scope	FY 13	37,395
Last FY's Cost Estimate		36,383

#### Description

The project provides for planning and design, and construction of a new building to replace the Dennis Avenue Health Center (DAHC), on the existing site adjoining the existing building. The existing facility which was built in the 1960's as an elementary school is both inadequate (undersized) in capacity and is not configured to serve as a health center. Currently, patients with infectious airborne diseases are using the same entry and air circulation as other patients (including immune compromised patients) and staff. Key building systems such as the structural system, perimeter skin walls, elevator, roof, HVAC and electrical systems have passed their useful service life. Numerous Americans with Disabilities Act related improvements are required and egress stairs are undersized. The new facility will provide approximately 51,000 gross square feet to address the space shortage and building deficiencies identified in the Program of Requirements (POR) without service interruption, reduction, or loss of these vital health services during construction. Programs will be configured to work efficiently and avoid potential cross contamination of users and staff (spread of communicable disease) due to location and proximity of incompatible programs.

#### Location

2000 Dennis Avenue, Silver Spring, Maryland

#### Capacity

The center handles 1 out of every 150 cases of tuberculosis in the entire US. Currently, DAHC handles 74,700 patient visits per year with 115 employees. In 1984, the center (the same building size) handled 7,000 patient visits per year with 35 employees.

#### Estimated Schedule

The design phase for this project began in the summer of 2011 and is estimated to last two years. Construction began in FY14. Construction of the new building (Phase I) was substantially complete in January 2016. Phase II is expected to be completed by winter 2017.

#### Justification

DAHC provides several highly sensitive programs such as Public Health Emergency Preparedness and Response, Immunization Program, Disease Control, Sexually Transmitted Diseases Services, Communicable Disease and Epidemiology, HIV Services, and Tuberculosis Control Program. DAHC service demand has been growing steadily while the facility space capacity has remained unchanged and the facility has aged. The 2008 Health and Human Services Strategic Facility Plan identified the need for additional space for program growth. The DAHC POR provided preliminary feasibility study and existing building condition assessment. The POR calls for the need to build a new 30,714 programmable area space facility to meet year 2015 space requirement.

#### Fiscal Note

FY16 adjustment reflects a \$988,000 transfer to support actual expenditures for prior project work in the School Based Health Center and Linkages to Learning project.

## Dennis Avenue Health Center (P641106)

### **Disclosures**

A pedestrian impact analysis has been completed for this project.

### **Coordination**

Department of Health and Human Services, Department of General Services Special Capital Projects Legislation was enacted on June 25 2013 and signed into law on July 8, 2013 (Bill No.17-13).

## High School Wellness Center (P640902)

Category Health and Human Services  
 Sub Category Health and Human Services  
 Administering Agency General Services (AAGE29)  
 Planning Area Countywide

Date Last Modified 11/17/14  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	291	55	192	44	0	20	15	9	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	4,919	3,004	875	1,040	0	625	385	30	0	0	0
Other	487	266	86	135	0	0	50	85	0	0	0
<b>Total</b>	<b>5,697</b>	<b>3,325</b>	<b>1,153</b>	<b>1,219</b>	<b>0</b>	<b>645</b>	<b>450</b>	<b>124</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	59	0	59	0	0	0	0	0	0	0	0
G.O. Bonds	5,638	3,325	1,094	1,219	0	645	450	124	0	0	0
<b>Total</b>	<b>5,697</b>	<b>3,325</b>	<b>1,153</b>	<b>1,219</b>	<b>0</b>	<b>645</b>	<b>450</b>	<b>124</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Program-Staff				1,359	168	186	186	267	276	276
Program-Other				6,232	451	723	723	1,445	1,445	1,445
<b>Net Impact</b>				<b>7,591</b>	<b>619</b>	<b>909</b>	<b>909</b>	<b>1,712</b>	<b>1,721</b>	<b>1,721</b>
Full Time Equivalent (FTE)					1.8	2.0	2.0	2.9	3.0	3.0

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	1,219
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,478
Expenditure / Encumbrances		3,325
Unencumbered Balance		1,153

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 17 5,697
Last FY's Cost Estimate	5,308

#### Description

This project provides for the placement of High School Wellness Centers (HSWC) at public schools. HSWCs provide health, mental health, and social services, as well as family support/youth development services which attempt to address the needs of youth and to build their skills and strengths to be more successful in all sectors of their lives. Services are targeted to meet the specific needs of the school. This project is in accordance with the recommendations of the School Based Wellness Center Planning Group (SBWCPG), the Department of Health and Human Services (DHHS) and Montgomery County Public Schools (MCPS). The selection of the host school is based upon criteria recommended by the SBWCPG. MCPS will oversee the construction of the HSWC sites. The County will occupy the space with DHHS personnel and contractors. The HSWC are similar in design to School Based Health Centers with modifications to accommodate the older student population's needs and services.

#### Estimated Schedule

Wheaton HSWC is under construction. Seneca Valley HSWC design will be completed in FY16. Construction for Seneca Valley HSWC has been delayed one year to align with the revised MCPS construction schedule; construction is scheduled to begin in FY18 with completion in FY20.

#### Cost Change

Minor cost increase associated with County staff project oversight. Reflects an FY16 supplemental appropriation of \$345,000 to support actual expenditures for prior project work.

#### Justification

This project is recommended by the SBWCPG, the DHHS, and MCPS. Each HSWC will provide services to address the physical health, mental health, and social service needs, as well as provide youth development opportunities to the students.

#### Other

Site specific factors are to be determined, and will be provided during construction.

#### Fiscal Note

Reflect FY16 transfer of \$65,000 in planning funds from Seneca Valley HSWC to support the completion of the South Lake Linkages to Learning site in the School Based Health and Linkages to Learning Center (P640400) project.

#### Coordination

Department of Health and Human Services, Department of General Services, Montgomery County Public Schools

## Progress Place Relocation and Personal Living Quarters (P601401)

Category Health and Human Services  
 Sub Category Health and Human Services  
 Administering Agency General Services (AAGE29)  
 Planning Area Silver Spring

Date Last Modified 11/17/14  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Bids Let

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	427	165	175	87	87	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>427</b>	<b>165</b>	<b>175</b>	<b>87</b>	<b>87</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	262	0	175	87	87	0	0	0	0	0	0
PAYGO	165	165	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>427</b>	<b>165</b>	<b>175</b>	<b>87</b>	<b>87</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Energy				333	36	41	41	72	72	72
Maintenance				362	39	44	44	78	78	78
<b>Net Impact</b>				<b>695</b>	<b>75</b>	<b>85</b>	<b>85</b>	<b>150</b>	<b>150</b>	<b>150</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		427
Expenditure / Encumbrances		165
Unencumbered Balance		262

Date First Appropriation	FY 14	
First Cost Estimate		
Current Scope	FY 16	427
Last FY's Cost Estimate		427

#### Description

Progress Place is an existing building, located in the Ripley District of Silver Spring, MD, which houses services the Department of Health and Human Services provides to low-income, homeless residents of Montgomery County. These services, currently provided in conjunction with Interfaith Works and Shepherd's Table, include medical, vision, and vocational services; case management; winter overflow overnight shelter, and meals. Due to development that is proposed for the Ripley District, these services will need to be relocated within the Central Business District (CBD), which has convenient transportation, available services and resources, and social networking opportunities in downtown Silver Spring for the homeless population. In conjunction with a public-private partnership, a private developer will construct a new building within the downtown Silver Spring CBD, on County owned property located at the Silver Spring Fire Station No. 1 site. This new building will provide space for the Progress Place services in exchange for the Ripley District land where Progress Place is currently located. This will release the existing site for construction of the Dixon Avenue roadway, the Metropolitan Branch Trail, and a private high-rise residential building. In addition, personal living quarter (PLQ) units will be co-located with the Progress Place service center.

#### Location

Next to the Silver Spring Fire Station No. 1 site, 8131 Georgia Avenue, Silver Spring, Maryland.

#### Estimated Schedule

Planning and design is complete. Construction commenced in October 2015 and the building will be turned over to the County in December 2016.

#### Justification

Progress Place is a facility built nearly 20 years ago that is in need of major renovation. In addition, the east end of the building is in the path of Dixon Avenue extended (a Master Planned roadway), and the west end of the building is in the path of the Metropolitan Branch Trail. Based on the 2012 Housing and Urban Development Unmet Need Calculation Methodology, the need for housing for Montgomery County homeless singles was 372 PLQs. This project includes the relocation of the services rendered at Progress Place and provides for placement of PLQs to increase the County's permanent supportive housing stock within the downtown Silver Spring CBD.

#### Fiscal Note

This is a public-private partnership. The County will exchange land within the Ripley District for a building that will satisfy the Program of Requirements to house Progress Place services. Funding from the Affordable Housing Acquisition and Preservation project (#P760100) will be used to support the creation of the PLQs. Rental assistance from the Montgomery Housing Initiative Fund will be used to support operating costs not funded by outside contributions. Costs reflect only the County's costs to plan and supervise construction of the service center by the private partner.

## Progress Place Relocation and Personal Living Quarters (P601401)

### **Disclosures**

A pedestrian impact analysis will be performed during design or is in progress.

### **Coordination**

U.S. Department of Housing and Urban Development Department of Housing and Community Affairs Department of Health and Human Services Department of General Services Department of Transportation Department of Police Department of Fire and Rescue Services Department of Technology Services Utilities Private developers Private homeless service providers



## School Based Health & Linkages to Learning Centers (P640400)

Category Health and Human Services  
 Sub Category Health and Human Services  
 Administering Agency General Services (AAGE29)  
 Planning Area Countywide

Date Last Modified 5/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,557	1,369	88	100	80	10	5	5	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	8,179	6,754	329	1,096	615	61	300	120	0	0	0
Other	1,634	1,448	53	133	120	13	0	0	0	0	0
<b>Total</b>	<b>11,370</b>	<b>9,571</b>	<b>470</b>	<b>1,329</b>	<b>815</b>	<b>84</b>	<b>305</b>	<b>125</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	260	140	0	120	120	0	0	0	0	0	0
Federal Aid	494	494	0	0	0	0	0	0	0	0	0
G.O. Bonds	10,551	8,937	405	1,209	695	84	305	125	0	0	0
Recordation Tax Premium	65	0	65	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11,370</b>	<b>9,571</b>	<b>470</b>	<b>1,329</b>	<b>815</b>	<b>84</b>	<b>305</b>	<b>125</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Program-Staff				528	69	92	92	92	92	92
Program-Other				328	39	39	63	63	63	63
<b>Net Impact</b>				<b>856</b>	<b>108</b>	<b>131</b>	<b>154</b>	<b>154</b>	<b>154</b>	<b>154</b>
Full Time Equivalent (FTE)					0.8	1.0	1.0	1.0	1.0	1.0

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	607
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,763
Expenditure / Encumbrances		9,571
Unencumbered Balance		1,192

Date First Appropriation	FY 04
First Cost Estimate	
Current Scope	FY 17 11,250
Last FY's Cost Estimate	9,775

#### Description

This project provides for the placement of School Based Health Centers (SBHC) and Linkages to Learning (LTL) sites at public schools. SBHCs provide primary health, social services, mental health, and youth development services. The LTL program provides accessible services to at-risk children and their families to improve adjustment to and performance in school, home, and community; services include health, mental health, social services, and educational support. Host schools are selected based on criteria recommended by the SBHC Interagency Planning Group and the LTL Advisory Group. Montgomery County Public Schools (MCPS) will oversee the construction of SBHC and LTL sites. The County will occupy the space with School Health Services and LTL personnel and contractors.

#### Estimated Schedule

Planning for Wheaton Woods will be completed in FY16. Planning and design for Maryvale will be programmed for FY16-18. Construction for Wheaton Woods and Maryvale LTL projects have been delayed one year to align with the revised MCPS construction schedule. Construction of Wheaton Woods LTL is expected to be completed in FY17; Maryvale LTL is expected to be completed in FY19.

#### Cost Change

Reflects a \$1.475M increase to support actual expenditures for prior project work including a FY16 \$988,000 transfer from Dennis Avenue Health Center and reallocation of unspent funds from the Children's Resource Center to the project in FY17. Cost increase of \$120K includes the purchase/installation of a modular bathroom unit adjacent to the existing portable LTL unit at South Lake Elementary School.

#### Justification

This project is part of the recommendations of the Department of Health and Human Services and MCPS.

#### Other

Cost estimates are based on per square foot costs for school construction, adjusted by additional health care facility requirements such as examination rooms, a laboratory and medical equipment. MCPS will provide maintenance and utilities by a Memorandum of Understanding. Site specific factors are to be determined, and will be provided during construction.

## School Based Health & Linkages to Learning Centers (P640400)

### **Fiscal Note**

Reflects FY15 transfer of \$65,000 in GO Bonds from the High School Wellness Center (P640902) project and a subsequent funding switch from GO Bonds to Recordation Tax Premium. FY16 funding switch replacing \$165,000 in Federal aid with GO Bonds recognizes actual Federal grant awards.

### **Coordination**

Department of Health and Human Services, Department of General Services, Montgomery County Public Schools

# Noyes Library for Young Children Rehabilitation and Renovation (P711704)

Category  
Sub Category  
Administering Agency  
Planning Area

Culture and Recreation  
Libraries  
Public Libraries (AAGE17)  
Kensington-Wheaton

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

5/10/16  
No  
None  
Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,000	0	0	1,000	550	450	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	200	0	0	200	100	100	0	0	0	0	0
Construction	1,900	0	0	1,900	100	1,800	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3,100</b>	<b>0</b>	<b>0</b>	<b>3,100</b>	<b>750</b>	<b>2,350</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Contributions	1,600	0	0	1,600	350	1,250	0	0	0	0	0
Current Revenue: General	500	0	0	500	300	200	0	0	0	0	0
G.O. Bonds	1,000	0	0	1,000	100	900	0	0	0	0	0
<b>Total</b>	<b>3,100</b>	<b>0</b>	<b>0</b>	<b>3,100</b>	<b>750</b>	<b>2,350</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Energy				28	0	0	7	7	7	7	
Maintenance				36	0	0	9	9	9	9	
<b>Net Impact</b>				<b>64</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,050
Appropriation Request Est.	FY 18	50
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation		
First Cost Estimate		
Current Scope	FY 17	3,100
Last FY's Cost Estimate		0

#### Description

This project will provide for a comprehensive rehabilitation of this historic library to include conversion of the attic into a finished second floor, renovation of the first floor, and the addition of a finished basement, an elevator, ADA compliant restrooms and egress stairs. The rehabilitated facility will be able to accommodate more attendees and more types of programming and services than are possible in the current facility.

#### Location

10237 Carroll Place, Kensington, Maryland 20895

#### Estimated Schedule

A draft Concept Plan was reviewed by the County and the Noyes Children's Library Foundation in the Summer of 2013 and agreed upon as the basis for the project design. Initial soil bore testing was completed in late Fall 2013, indicating there were no major problems anticipated. Design is scheduled to begin in FY17, and construction will commence when the necessary funds for the complete project are successfully raised by the Noyes Children's Library Foundation.

#### Justification

The Noyes Library is a small, historically designated library with services specifically focused on Pre-Kindergarten education and Early Childhood (infants through approximately age 8). The small scale and intimate setting of the library are unique and provide a signature experience for children, but the building is not compliant with the Americans with Disabilities Act (ADA). In 2010, the County proposed a modest effort that would have addressed the ADA issues in the most basic manner possible, as well as made small changes to the library layout that would have positively impacted programming and service offerings. Since that time, the County and the Foundation discussed a more comprehensive rehabilitation of the Noyes Library for Young Children that preserved the library's unique, small-scale, intimate experience, while making substantial improvements to the building that supported use by persons with disabilities, new space for program preparatory and collection work by staff, and additional space for programs. The County Executive is proposing, via this project, a partnership to support this enhanced vision of the Noyes Library for Young Children.

#### Fiscal Note

## Noyes Library for Young Children Rehabilitation and Renovation (P711704)

The project is to be funded by County GO Bonds and private funds that will be raised by the Noyes Children's Library Foundation according to the requirements of the Memorandum of Understanding (MOU) between the County and the Noyes Children's Library Foundation which codifies the fundraising and project plan. In addition, Current Revenue funding of \$300,000 in FY17 and \$200,000 in FY18 has been moved from Capital Improvement Grants for the Arts and Humanities from Cost Sharing project P720601. The construction phase will not begin until the Noyes Children's Library Foundation completes its fund raising and provides the construction funding in full to the County.

### **Coordination**

Department of Public Libraries, Department of General Services, Noyes Children's Library Foundation, M-NCPPC, Montgomery County Parks, Mid-County Regional Services Center, WSSC, Pepco, Town of Kensington Park, Maryland Historic Trust

## Wheaton Library and Community Recreation Center (P361202)

Category	Culture and Recreation	Date Last Modified	5/5/16
Sub Category	Libraries	Required Adequate Public Facility	No
Administering Agency	General Services (AAGE29)	Relocation Impact	None
Planning Area	Kensington-Wheaton	Status	Final Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	11,662	2,461	6,413	2,788	1,550	866	372	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	738	0	443	295	295	0	0	0	0	0	0
Construction	60,533	0	2,544	57,989	29,220	26,269	2,500	0	0	0	0
Other	3,926	0	0	3,926	3,721	205	0	0	0	0	0
<b>Total</b>	<b>76,859</b>	<b>2,461</b>	<b>9,400</b>	<b>64,998</b>	<b>34,786</b>	<b>27,340</b>	<b>2,872</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	677	0	0	677	472	205	0	0	0	0	0
G.O. Bonds	73,802	81	9,400	64,321	34,314	27,135	2,872	0	0	0	0
PAYGO	2,380	2,380	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>76,859</b>	<b>2,461</b>	<b>9,400</b>	<b>64,998</b>	<b>34,786</b>	<b>27,340</b>	<b>2,872</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Energy				1,516	0	0	379	379	379	379	
Maintenance				2,100	0	0	525	525	525	525	
Offset Revenue				-184	0	0	-34	-50	-50	-50	
Program-Staff				124	0	0	31	31	31	31	
Program-Other				84	0	0	51	11	11	11	
<b>Net Impact</b>				<b>3,640</b>	<b>0</b>	<b>0</b>	<b>952</b>	<b>896</b>	<b>896</b>	<b>896</b>	
Full Time Equivalent (FTE)					0.0	0.0	1.4	1.4	1.4	1.4	

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	772
Appropriation Request Est.	FY 18	305
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		75,782
Expenditure / Encumbrances		4,325
Unencumbered Balance		71,457

Date First Appropriation	FY 12	
First Cost Estimate		
Current Scope	FY 17	76,859
Last FY's Cost Estimate		76,482

#### Description

This project will provide a combined facility to include a new Wheaton Library, a Used Book Store, and a Wheaton Community Recreation Center. Included in the scope is the development of a Program of Requirements (POR) and conceptual design followed by full design services and construction of the facility. The Library and the Recreation Center will be comparable to libraries and recreation centers of similar service needs with efficiencies of area and program made due to the shared use of some spaces such as lobbies, meeting rooms, restrooms, and parking which reduces the overall space requirements and provides for efficiencies in the operational costs. DGS and M-NCPPC will develop an agreement for the demolition of the existing Wheaton Neighborhood Recreation Youth Center, as it will be replaced by the new Community Recreation Center, which will allow full use of the green space to support the community programs to be offered by the Department of Recreation in conjunction with the new Wheaton Community Recreation Center. The project provides for road access with a relocated Hermitage Avenue.

#### Location

Located at the corner of Georgia and Arcola Avenues, Wheaton, MD

#### Estimated Schedule

The facility concept study was completed in 2013. Design started in 2013 and will be completed in early 2016 followed by permitting and bidding. Construction is expected to start in Summer 2016 and be completed in Mid-2018.

#### Cost Change

Addition of \$172,000 in FY17 and \$205,000 in Current Revenue to provide for a Wheaton Interim Library.

#### Justification

## Wheaton Library and Community Recreation Center (P361202)

The Wheaton Library is one of the busiest libraries in Montgomery County, with over 490,000 items circulated and more than 381,000 visits by the public in FY13. The used book sale, operated by the Friends of the Library, and a satellite office of the Gilchrist Center are located on the lower level. There are serious moisture problems and the building does not meet current mechanical, safety and building codes. The mechanical, elevator and HVAC systems are outdated and worn, and they are not energy efficient. The facility was opened in 1960 and was renovated in 1985. It is in need of space reconfiguration to meet current library information needs. The Department of Recreation has operated the existing Wheaton Recreation Center, owned by the M-NCPPC, for many years. As early as 1997, this facility was designated for replacement with a larger full service facility, originally included in Facility Planning and Site Evaluation projects as the Kemp Mill (later Wheaton/Kemp Mill) Community Recreation Center. In the 2005 update to the Recreation Department's facility plan and in the FY07-12 CIP, a "Wheaton Area Recreation Facilities" study was included in the MCG Facility Planning Project #508768 for this purpose. That study included site and structure, stabilization and design development for future renovation, remodeling, and expansion of the Wheaton Neighborhood Recreation Center - Rafferty to provide an additional recreation facility to complement the existing facility. After review of the Rafferty component, space limitations, utility and plumbing challenges did not make it feasible to complete the project on its current site. A decision was made to pursue an alternative combined facility.

### **Fiscal Note**

Other cost includes \$300,000 for the library collection.

### **Disclosures**

A pedestrian impact analysis has been completed for this project.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Department of General Services, Department of Libraries, Department of Recreation, Department of Transportation, M-NCPPC, State Highways, Mid-County Regional Services Center, WSSC, Pepco. Special Projects Legislation [Bill No. 34-14] was adopted by Council June 17, 2014.

## Cost Sharing: MCG (P720601)

Category                    Culture and Recreation  
 Sub Category              Recreation  
 Administering Agency    General Services (AAGE29)  
 Planning Area              Countywide

Date Last Modified            5/6/16  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	3,634	3,634	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	9	9	0	0	0	0	0	0	0	0	0
Construction	7,430	7,430	0	0	0	0	0	0	0	0	0
Other	19,574	6,026	5,472	8,076	3,276	800	1,000	1,000	1,000	1,000	0
<b>Total</b>	<b>30,647</b>	<b>17,099</b>	<b>5,472</b>	<b>8,076</b>	<b>3,276</b>	<b>800</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Contributions	150	0	150	0	0	0	0	0	0	0	0
Current Revenue: General	17,488	7,152	3,658	6,878	1,878	800	1,000	1,000	1,000	1,000	0
G.O. Bonds	2,398	0	1,000	1,398	1,398	0	0	0	0	0	0
Land Sale	2,661	2,661	0	0	0	0	0	0	0	0	0
Long-Term Financing	3,850	3,850	0	0	0	0	0	0	0	0	0
State Aid	4,100	3,436	664	0	0	0	0	0	0	0	0
<b>Total</b>	<b>30,647</b>	<b>17,099</b>	<b>5,472</b>	<b>8,076</b>	<b>3,276</b>	<b>800</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	3,135
Appropriation Request Est.	FY 18	800
Supplemental Appropriation Request		0
Transfer		0
<b>Cumulative Appropriation</b>		<b>22,712</b>
<b>Expenditure / Encumbrances</b>		<b>18,381</b>
<b>Unencumbered Balance</b>		<b>4,331</b>

Date First Appropriation	FY 06
First Cost Estimate	
Current Scope	FY 17                    30,647
Last FY's Cost Estimate	26,712

#### **Description**

This project provides funds for the development of non-governmental projects in conjunction with public agencies or the private sector. County participation leverages private and other public funds for these facilities. Prior to disbursing funds, the relevant County department or agency and the private organization will develop a Memorandum of Understanding, which specifies the requirements and responsibilities of each.

#### **Cost Change**

Addition of \$1,398,000 in GO Bonds in FY17 for Strathmore Mansion repairs. Addition of \$1,000,000 in FY21 and \$1,000,000 in FY22 for Capital Improvement Grants for the Arts and Humanities. Addition of \$1,178,000 in County support for Community Grants described on subsequent pages. Current Revenue funding of \$300,000 in FY17 and \$200,000 in FY18 has been moved from the Capital Improvement Grants for the Arts and Humanities allocation to the Noyes Library for Young Children Rehabilitation and Renovation CIP project (P711704).

#### **Justification**

The County has entered into or considered many public-private partnerships, which contribute to the excellence and diversity of facilities serving County residents

#### **Other**

See attached for Community Grants and CIP Grants for Arts and Humanities Organizations.

#### **Fiscal Note**

Remaining \$141,000 in unspent funds for Capital Improvement Grants for the Arts and Humanities have been eliminated in FY16 to reflect Council Approved FY16 Savings Plan. See Cost Sharing Grants attachment for Historical Fiscal Note regarding the Fillmore venue in Silver Spring and Old Blair Auditorium Project, Inc.

#### **Disclosures**

A pedestrian impact analysis will be performed during design or is in progress.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### **Coordination**

Private organizations, State of Maryland, Municipalities, Montgomery County Public Schools, Community Use of Public Facilities, Department of General Services, Department of Economic Development, Arts and Humanities Council of Montgomery County.

For FY13, County participation was for the following projects: ArtPreneurs, Inc.: \$80,000; Muslim Community Center, Inc.: \$120,000; Muslim Community Center, Inc.: \$175,000; Potomac Community Resources, Inc.: \$50,000; Sheppard Pratt Health System, Inc.: \$50,000; and The Menare Foundation, Inc.: \$80,000.

For FY12, County participation was for the following projects: Catholic Charities of the Archdiocese of Washington, Inc.: \$125,000; CHI Centers Inc.: \$200,000; and Ivymount School, Inc.: \$100,000.

For FY11, County participation was for the following projects: Girl Scout Council of the Nation's Capital: \$100,000; Jewish Foundation for Group Homes, Inc.: \$50,000; and Ivymount School, Inc.: \$100,000.

For FY10, County participation was for the following project: Aunt Hattie's Place, Inc.: \$100,000. Disbursement of FY09 and FY10 County funds is conditioned on the owner of the property giving the County an appropriate covenant restricting the use of the leased property to a foster home for boys for a period of ten years from the time the facility commences to operate as a foster home. Boys and Girls Club of Greater Washington: \$38,000; CASA de Maryland, Inc.: \$100,000; Jewish Council for the Aging of Greater Washington, Inc.: \$50,000; and Warren Historic Site Committee, Inc.: \$150,000.

For FY09, County participation was for the following projects: Aunt Hattie's Place, Inc.: \$250,000; Boys and Girls Club of Greater Washington: \$250,000; CASA de Maryland, Inc.: \$150,000; CHI Centers: \$50,000; and Institute for Family Development Inc., doing business as Centro Familia: \$75,000 (The organization had to demonstrate to the County's satisfaction that it had commitments for the entire funding needed to construct the project before the \$75,000 in County funds could be spent.); Jewish Council for the Aging of Greater Washington, Inc.: \$250,000; Montgomery General Hospital: \$500,000; Nonprofit Village, Inc.: \$200,000; and YMCA of Metropolitan Washington and Youth and Family Services Branch: \$200,000.

Occasionally, contracts are not executed or are terminated. For more information, contact Beryl Feinberg from the Department of General Services.

#### Historical Fiscal Note:

The State approved \$4,000,000 in State Aid from FY07 to FY09 for the Fillmore venue in Silver Spring. The County's required match of \$4,000,000 and \$6,511,000 was programmed. The Venue Operator agreed to purchase certain furniture, fixtures, and equipment for the project; \$150,000 of which would be used as the required County match. An agreement between the development partners and the County was executed. The Fillmore is now operational. Old Blair Auditorium Project, Inc., in FY06-07 the County provided \$190,000 as a partial match for the State funds with \$50,000 in current revenue for DPWT to develop a program of requirements and cost estimate for the project, and bond funded expenditure of \$140,000 to pay for part of the construction. These funds were budgeted in the MCG: Cost Sharing project (No. 720601). In FY11, the funds were transferred to a new CIP Old Blair Auditorium Reuse project (No. 361113).



## COST SHARING GRANTS

### Grants:

For FY17, a CIP Grant for Arts and Humanities Organizations totaling \$1,398,000 is approved for the following project: Strathmore Hall Foundation, Inc.: \$1,398,000. The Department of General Services will be managing the Strathmore Mansion repair project. County participation is for the following community grant projects totaling \$1,178,000: A Wider Circle, Inc.: \$50,000; Congregation Beth El of Montgomery County, \$20,000; Cornerstone Montgomery, Inc.: \$350,000; Easter Seals Greater Washington-Baltimore Region, Inc.: \$50,000; Friends House, Inc.: \$50,000; Graceful Growing Together, Inc.: \$100,000; Hebrew Home of Greater Washington, Inc.: \$200,000; Jewish Community Center of Greater Washington, Inc.: \$25,000; Jewish Foundation for Group Homes, Inc.: \$100,000; Our House, Inc.: \$20,000; Potomac Community Resources, Inc.: \$50,000; Reginald S. Lourie Center for Infants and Young Children, \$68,000; Seven Locks Jewish Community Inc.: \$20,000; The Jewish Federation of Greater Washington, Inc.: \$25,000; Warrior Canine Connection, Inc.: \$50,000. For FY17, CIP Grants for Arts and Humanities Organizations totaling \$377,217 are approved for the following projects: Glen Echo Park Partnership for Arts and Culture, Inc.: \$67,795; Montgomery Community Television, Inc.: \$159,422; and The Olney Theatre Center for the Arts, Inc.: \$150,000. In addition, \$300,000 in FY17 funds and \$200,000 in FY18 funds allocated for CIP Grants for Arts and Humanities Organizations have been moved from this project to the Noyes Library for Young Children Rehabilitation and Renovation project P711704.

For FY16, County participation is for the following community grant projects totaling \$865,000: Beth Shalom Congregation and Talmud Torah: \$60,000; Easter Seals Greater Washington-Baltimore Region: \$50,000; Graceful Growing Together, Inc.: \$75,000; Jewish Council for the Aging of Greater Washington, Inc.: \$50,000; Jewish Foundation for Group Homes: \$50,000; Latin American Youth Center, Inc.: \$25,000; Muslim Community Center Inc. DBA MCC Medical Clinic: \$25,000; Potomac Community Resources: \$25,000; Rockville Science Center, Inc.: \$15,000; Silver Spring United Methodist Church: \$50,000; The Jewish Federation of Greater Washington: \$40,000; Warrior Canine Connection: \$50,000; Cornerstone Montgomery, Inc.: \$350,000. For FY16, CIP Grants for Arts and Humanities Organizations totaling \$1,625,004 are approved for the following projects: The Writer's Center, Inc.: \$250,000; Montgomery Community Television, Inc.: \$119,181; Sandy Spring Museum, Inc.: \$30,170; Round House Theatre, Inc.: \$155,572; American Dance Institute, Inc.: \$70,081; and Strathmore Hall Foundation, Inc.: \$1,000,000.

For FY15, County participation was for the following projects: Easter Seals Greater Washington-Baltimore Region, Inc.: \$100,000; Graceful Growing Together, Inc.: \$125,000; Jewish Community Center of Greater Washington: \$150,000; Muslim Community Center, Inc.: \$250,000; Potomac Community Resources, Inc.: \$150,000; The Arc of Montgomery County, Inc.: \$17,973; Catholic Charities of the Archdiocese of Washington, Inc.: \$11,395; Melvin J. Berman Hebrew Academy: \$33,000; Jewish Social Service Agency: \$75,000; Warrior Canine Connection, Inc.: \$75,000; Jewish Council for the Aging of Greater Washington, Inc.: \$125,000; The Jewish Federation of Greater Washington, Inc.: \$100,000; Family Services, Inc.: \$75,000. For FY15, CIP Grants for Arts and Humanities Organizations totaling \$849,080 are approved for the following projects: Germantown Cultural Arts Center, Inc.: \$75,000; Jewish Community Center of Greater Washington, Inc.: \$134,000; Montgomery Community Television, Inc.: \$50,080; The Olney Theatre Center for the Arts, Inc.: \$150,000; Sandy Spring Museum, Inc.: \$90,000; and The Writer's Center, Inc.: \$250,000. \$100,000 of these funds will also be used to provide a State bond bill match for Silver Spring Black Box Theater. For FY15, emergency CIP Grants for Arts and Humanities Organizations totaling \$143,116 are approved for the following projects: Montgomery Community Television, Inc.: \$127,179; and Sandy Spring Museum, Inc.: \$15,937.

For FY14, County participation was for the following projects: Easter Seals Greater Washington-Baltimore Region: \$100,000; Jewish Foundation for Group Homes, Inc.: \$125,000; Muslim Community Center: \$100,000; Potomac Community Resources, Inc.: \$50,000; Sandy Spring Museum: \$65,000; St. Luke's House and Threshold Services United: \$50,000; and Takoma Park Presbyterian Church: \$75,000. Prior to disbursement of funds, Takoma Park Presbyterian Church must provide a final Business Plan to the Executive and Council that includes the proposed fee schedule and letters of interest from potential entrepreneurs with expected revenues from each user. The Church must agree to use the facility for the expressed purposes for a period of ten years from the time the facility is complete or repay the pro rata portion of County funds. The following Capital Improvement Grants for the Arts and Humanities were awarded to Friends of the Library, Montgomery County, Inc.: \$25,100; Imagination Stage, Inc.: \$190,000; The Washington Conservatory: \$26,875; Strathmore Hall Foundation, Inc.: \$26,000; The Puppet Company: \$25,000; The Writers Center, Inc.: \$250,000; Glen Echo Park Partnership for Arts and Culture: \$45,000; American Dance Institute, Inc.: \$34,889; Olney Theatre Corp: \$25,000; Montgomery Community Television dba Montgomery Community Media: \$62,469; The Dance Exchange Inc.: \$77,500; and Metropolitan Ballet Theatre, Inc.: \$100,850.

## Ken Gar Community Center Renovation (P721401)

Category  
Sub Category  
Administering Agency  
Planning Area

Culture and Recreation  
Recreation  
General Services (AAGE29)  
Kensington-Wheaton

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

5/5/16  
No  
None  
Under Construction

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	61	61	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	102	102	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>163</b>	<b>163</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	63	63	0	0	0	0	0	0	0	0
State Aid	100	100	0	0	0	0	0	0	0	0
<b>Total</b>	<b>163</b>	<b>163</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	-37
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		200
Expenditure / Encumbrances		163
Unencumbered Balance		37

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 17 163
Last FY's Cost Estimate	200

#### Description

The project provides for the renovation/repair/stabilization of the existing Ken Gar Community Center.

#### Location

The Ken Gar Community Center is located at 4111 Plyers Mill Road in Kensington.

#### Estimated Schedule

Facility renovations are complete and the building is open for use.

#### Cost Change

Eliminated remaining unspent balance of \$37,000 in Current Revenue.

#### Justification

This small neighborhood facility was last remodeled in 1978. The building's structure is deficient and in a state of significant disrepair. Significant improvements are required to make the facility ADA compliant. Significant repair to heating/ventilation/air-conditioning and window replacements are needed.

#### Fiscal Note

ADA compliance modifications associated with this project are funded in the Americans with Disabilities Act Project (361107). The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

## Public Arts Trust (P729658)

Category	Culture and Recreation	Date Last Modified	5/6/16
Sub Category	Recreation	Required Adequate Public Facility	No
Administering Agency	Recreation (AAGE19)	Relocation Impact	None
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	400	0	100	300	50	50	50	50	50	50	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	871	165	66	640	140	140	90	90	90	90	0
<b>Total</b>	<b>1,271</b>	<b>165</b>	<b>166</b>	<b>940</b>	<b>190</b>	<b>190</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	1,271	165	166	940	190	190	140	140	140	140	0
<b>Total</b>	<b>1,271</b>	<b>165</b>	<b>166</b>	<b>940</b>	<b>190</b>	<b>190</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	190
Appropriation Request Est.	FY 18	190
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		331
Expenditure / Encumbrances		165
Unencumbered Balance		166

Date First Appropriation	FY 96	
First Cost Estimate		
Current Scope	FY 17	1,271
Last FY's Cost Estimate		1,157
Partial Closeout Thru		2,129
New Partial Closeout		165
Total Partial Closeout		2,294

#### Description

Effective April 12, 1995, the County Council enacted legislation providing for the creation of a Public Arts Trust. The purpose of this program is to incorporate art into public facilities and sponsor privately-funded temporary or permanent displays of art on public property. As written, the County Chief Administrative Officer (CAO) administers the trust in consultation with the Arts and Humanities Council of Montgomery County (AHCMC), Montgomery County Public Schools, Montgomery College, and the Montgomery County Parks Commission. The request for County funds for this project will be determined annually. The guidelines state that the annual request for the next fiscal year will be 0.05 percent of the total approved programmed capital expenditures for the current year Capital Improvements Program of the County Government, Public Schools, Montgomery College, and the Maryland-National Capital Park and Planning Commission. Each year, the County Council should consider appropriating this amount but may appropriate any amount.

#### Cost Change

Funding has increased by \$50,000 in FY17, \$50,000 in FY18, and been added for FY21 and FY22.

#### Justification

Bill 12-94, a revision to the Art in Public Architecture law, provides for the creation of a Public Arts Trust. The Public Arts Trust is administered by the County Chief Administrative Officer.

#### Fiscal Note

The Public Arts Trust is implemented through the Department of Recreation via an outside contract with the AHCMC.

#### Disclosures

Expenditures will continue indefinitely.

#### Coordination

Arts and Humanities Council of Montgomery County, Montgomery County Public Schools, Montgomery College, M-NCPPC, Department of General Services, County Executive, Chief Administrative Officer

## Recreation Facility Modernization (P720917)

Category                    Culture and Recreation  
 Sub Category            Recreation  
 Administering Agency    General Services (AAGE29)  
 Planning Area            Countywide

Date Last Modified            11/17/14  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	250	8	42	150	50	0	50	0	50	0	50
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>250</b>	<b>8</b>	<b>42</b>	<b>150</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>50</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	200	0	0	150	50	0	50	0	50	0	50
G.O. Bonds	42	0	42	0	0	0	0	0	0	0	0
PAYGO	8	8	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>250</b>	<b>8</b>	<b>42</b>	<b>150</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>50</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	-100
Appropriation Request Est	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		200
Expenditure / Encumbrances		8
Unencumbered Balance		192

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 17                    250
Last FY's Cost Estimate	200

#### Description

This project provides for a comprehensive plan and renovation of recreational facilities to protect the County's investment in recreation facilities and to sustain efficient and reliable facility operations. Improvements that may be provided from this project include mechanical/plumbing equipment, code compliance, ADA compliance, lighting system replacements, building structural and exterior envelope refurbishment, and reconstruction or reconfiguration of interior building or exterior site amenities. This project also includes developing a plan to address the renovation needs of each facility listed below based on their age and condition. The plan will include a Program of Requirements, scope of work and cost estimates. Current appropriations will be used to support Program of Requirements development for the following facilities: Schweinhaut Senior Center, MLK Aquatic Center, Clara Barton Neighborhood Recreation Center, Upper County Community Recreation Center, and Bauer Drive Community Recreation Center.

#### Cost Change

Cost increase is due to addition of FY21 expenditures.

#### Justification

Renovation requirements will be based on facility assessments of the site and building infrastructure and programmatic requirements. Originally this project was initiated to proceed with master planning of five Neighborhood Recreation Centers, two Community Recreation Centers, and one Senior Center. This project serves as a mechanism to prioritize projects and to begin facility renovations.

#### Coordination

Department of General Services, Department of Recreation, Department of Permitting Services

## Ag Land Pres Easements (P788911)

Category Conservation of Natural Resources  
 Sub Category Ag Land Preservation  
 Administering Agency Economic Development (AAGE06)  
 Planning Area Countywide

Date Last Modified 5/9/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	2,821	268	373	2,180	350	360	360	360	370	380	0
Land	6,584	4,263	527	1,794	1,124	134	134	134	134	134	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	20	20	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9,425</b>	<b>4,551</b>	<b>900</b>	<b>3,974</b>	<b>1,474</b>	<b>494</b>	<b>494</b>	<b>494</b>	<b>504</b>	<b>514</b>	<b>0</b>

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
Agricultural Transfer Tax	1,539	231	14	1,294	624	134	134	134	134	134	0
Contributions	1,668	1,000	10	658	510	10	10	10	10	108	0
Federal Aid	0	0	0	0	0	0	0	0	0	0	0
G.O. Bonds	308	308	0	0	0	0	0	0	0	0	0
Investment Income	802	0	0	802	0	70	200	200	210	122	0
M-NCPPC Contributions	4,423	2,860	663	900	150	150	150	150	150	150	0
State Aid	685	152	213	320	190	130	0	0	0	0	0
<b>Total</b>	<b>9,425</b>	<b>4,551</b>	<b>900</b>	<b>3,974</b>	<b>1,474</b>	<b>494</b>	<b>494</b>	<b>494</b>	<b>504</b>	<b>514</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	611
Appropriation Request Est.	FY 18	494
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,314
Expenditure / Encumbrances		4,563
Unencumbered Balance		1,751

Date First Appropriation	FY 89
First Cost Estimate	
Current Scope	FY 17 9,425
Last FY's Cost Estimate	21,961

### Description

This project provides funds for the purchase of agricultural and conservation easements under the County Agricultural Land Preservation legislation, effective November 25, 2008, for local participation in Maryland's agricultural and conservation programs and through Executive Regulation 3-09 AM, adopted July 27, 2010. The County Agricultural Easement Program (AEP) enables the County to purchase preservation easements on farmland in the agricultural zones and in other zones approved by the County Council to preserve farmland not entirely protected by Transferable Development Rights (TDR) easements or State agricultural land preservation easements. The Maryland Agricultural Land Preservation Foundation (MALPF) enables the State to purchase preservation easements on farmland jointly by the County and State. The Rural Legacy Program (RLP) enables the State to purchase conservation easements to preserve large contiguous tracts of agricultural land. The sale of development rights easements are proffered voluntarily by the farmland owner. The project receives funding from the Agricultural Transfer Tax, which is levied when farmland is sold and removed from agricultural status. Montgomery County is a State-certified county under the provisions of State legislation, which enables the County to retain 75 percent of the taxes for local use. The County uses a portion of its share of the tax to provide matching funds for State easements. In FY10, the Building Lot Termination (BLT) program was initiated. This program represents an enhanced farmland preservation program tool to further protect land where development rights have been retained in the Agricultural Reserve-AR zone. This program utilizes a variety of revenue sources that include: Agricultural Transfer Tax revenues, MNCPPC Contributions, Developer Contributions, and G.O. Bonds to purchase the development rights and the corresponding TDRs retained on these properties.

### Cost Change

Update the FY16 Ag Transfer Taxes collected in FY16 and Crown Farm payment \$500,000 received to program for easement acquisitions in FY17. Expenditure and funding schedules reflect the revised estimates for Agricultural Transfer Tax revenues, contributions, investment income, and state aid to cover planning, design, and supervision for expenses FY17-22 and the addition of FY21 and FY22 project costs.

### Justification

Annotated Code of Maryland 2-501 to 2-515, Maryland Agricultural Land Preservation Foundation; Annotated Code of Maryland 13-301 to 13-308, Agricultural Land Transfer Tax; and Montgomery County Code, Chapter 2B, Agricultural Land Preservation, and Executive Regulation 3-09 AM.

### Other

## Ag Land Pres Easements (P788911)

FY17 estimated Planning, Design and Supervision expenditures are \$316,000. The amount includes funding for 1.0 FTE Sr. Business Development Specialist; 1.5 FTE Principal Administrative Aides; \$20,000 - Deer Donation Program; \$10,000 - Montgomery Weed Control Program; and \$50,000 for the Cooperative Extension Partnership. Appropriations are based upon a projection of Montgomery County's portion of the total amount of Agricultural Transfer Tax which has become available since the last appropriation and State Rural Legacy Program grant funding. Appropriations to this project represent a commitment of Agricultural Transfer Tax funds and State Aid to purchase agricultural easements, private contributions from the Crown Farm Annexation Agreement, and partial BLT payments made by developers for additional density in BLT receiving areas. The Agricultural Transfer Taxes are deposited into an investment income fund, the interest from which is used to fund direct administrative expenses, the purchase of easements, and other agricultural initiatives carried out by the new Office of Agriculture. The program permits the County to take title to the TDRs. These TDRs are an asset that the County may sell in the future, generating revenues for the Agricultural Land Preservation Fund. The County can use unexpended appropriations for this project to pay its share (40 percent) of the cost of easements purchased by the State. Since FY99, the County has received State RLP grant funds to purchase easements for the State through the County. The State allows County reimbursement of three percent for direct administrative costs such as appraisals, title searches, surveys, and legal fees. Given changes to the Federal Program, new Federal Aid funds are no longer programmed in this project. The traditional funding sources for this project are no longer sustainable. Easement acquisition opportunities will be considered on a case-by-case approach while alternative funding sources are identified.

### **Fiscal Note**

Expenditures do not reflect additional authorized payments made from the Agricultural Land Preservation Fund balance to increase financial incentives for landowners.

### **Disclosures**

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Montgomery County Office of Agriculture, State of Maryland Agricultural Land Preservation Foundation, State of Maryland Department of Natural Resources, Maryland-National Capital Park and Planning Commission, and landowners.

## Facility Planning: SM (P809319)

Category Conservation of Natural Resources  
 Sub Category Stormwater Management  
 Administering Agency Environmental Protection (AAGE07)  
 Planning Area Countywide

Date Last Modified 5/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	17,599	10,387	541	6,671	2,126	1,323	997	773	799	653	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	91	91	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>17,690</b>	<b>10,478</b>	<b>541</b>	<b>6,671</b>	<b>2,126</b>	<b>1,323</b>	<b>997</b>	<b>773</b>	<b>799</b>	<b>653</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	5,000	5,000	0	0	0	0	0	0	0	0	0
State Aid	140	140	0	0	0	0	0	0	0	0	0
Stormwater Management Waiver Fees	797	797	0	0	0	0	0	0	0	0	0
Water Quality Protection Charge	11,753	4,541	541	6,671	2,126	1,323	997	773	799	653	0
<b>Total</b>	<b>17,690</b>	<b>10,478</b>	<b>541</b>	<b>6,671</b>	<b>2,126</b>	<b>1,323</b>	<b>997</b>	<b>773</b>	<b>799</b>	<b>653</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	4
Appropriation Request Est.	FY 18	1,323
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		13,141
Expenditure / Encumbrances		10,606
Unencumbered Balance		2,535

Date First Appropriation	FY 93	
First Cost Estimate		
Current Scope	FY 17	17,690
Last FY's Cost Estimate		17,497
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

#### Description

This project provides for facility planning and feasibility studies to evaluate watershed conservation needs and to identify remedial project alternatives for stormwater management, stormwater retrofit, Environmental Site Design (ESD)/Low Impact Development (LID), and stream restoration projects. Projects in facility planning may include the preparation of watershed plans assessing stream restoration, stormwater management retrofit projects, and LID and ESD projects to help mitigate degraded stream conditions in rural and developed watersheds. Water quality monitoring and analysis is required to quantify impacts of watershed development and projects implemented in Retrofit SM Government Facilities (No. 800900), SM Retrofit Roads (No. 801300), SM Retrofit Schools (No. 801301), SM Retrofit Countywide (No. 808726), and Misc Stream Valley Improvements (No. 807359). The projects generated in facility planning support the requirements in the County's Municipal Separate Storm Sewer System (MS4) Permit. Facility planning represents planning and preliminary design and develops a program of requirements in advance of full programming of a project. This project also provides for operation of automated fixed monitoring stations as required by the MS4 Permit.

#### Cost Change

Cost increases reflect anticipated implementation schedule including the addition of FY21 and FY22.

#### Justification

The Facility Planning products support the requirements outlined in the County's MS4 Permit as detailed in the Montgomery County Coordinated Implementation Strategy (CCIS). This project establishes the facilities planning data and alternatives analysis needed to identify and set priorities for individual capital projects. Facility planning costs for projects which are ultimately included in stand-alone Project Description Forms (PDFs) are reflected here and not in the resulting individual project. Future individual CIP projects which result from facility planning will each reflect reduced planning and design costs.

#### Fiscal Note

FY17-22 funding has been adjusted to better reflect anticipated annual spending. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next MS4 permit is subject to negotiation with the Maryland Department of Environment. Expenditures also include activities associated with increased emphasis on Green Infrastructure methods in MS4 projects.

#### Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

## Facility Planning: SM (P809319)

Maryland-National Capital Park and Planning Commission, U. S. Army Corps of Engineers, Washington Suburban Sanitary Commission, Department of Transportation, Montgomery County Public Schools, SM Retrofit Government Facilities (No. 800900), SM Retrofit Roads (No. 801300), SM Retrofit Schools (No. 801301), SM Retrofit Countywide (No. 808726), Misc. Stream Valley Improvements (No. 807359).



## Misc Stream Valley Improvements (P807359)

Category Conservation of Natural Resources  
 Sub Category Stormwater Management  
 Administering Agency Environmental Protection (AAGE07)  
 Planning Area Countywide

Date Last Modified 5/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	17,683	1,444	2,252	13,987	2,459	2,732	2,892	2,859	1,814	1,231	0
Land	40	2	38	0	0	0	0	0	0	0	0
Site Improvements and Utilities	7	1	6	0	0	0	0	0	0	0	0
Construction	52,494	2,653	2,555	47,286	6,421	8,220	9,679	10,857	6,734	5,375	0
Other	35	35	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>70,259</b>	<b>4,135</b>	<b>4,851</b>	<b>61,273</b>	<b>8,880</b>	<b>10,952</b>	<b>12,571</b>	<b>13,716</b>	<b>8,548</b>	<b>6,606</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

State Aid	9,560	2,799	761	6,000	1,000	1,000	1,000	1,000	1,000	1,000	0
Stormwater Management Waiver Fees	2,171	0	971	1,200	200	200	200	200	200	200	0
Water Quality Protection Bonds	58,528	1,336	3,119	54,073	7,680	9,752	11,371	12,516	7,348	5,406	0
<b>Total</b>	<b>70,259</b>	<b>4,135</b>	<b>4,851</b>	<b>61,273</b>	<b>8,880</b>	<b>10,952</b>	<b>12,571</b>	<b>13,716</b>	<b>8,548</b>	<b>6,606</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Maintenance				95	15	20	25	15	10	10
<b>Net Impact</b>				<b>95</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>15</b>	<b>10</b>	<b>10</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	13,951
Appropriation Request Est.	FY 18	8,620
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		15,376
Expenditure / Encumbrances		7,406
Unencumbered Balance		7,970

Date First Appropriation	FY 73
First Cost Estimate	
Current Scope	FY 17 70,259
Last FY's Cost Estimate	47,373
Partial Closeout Thru	23,252
New Partial Closeout	4,135
Total Partial Closeout	27,387

#### Description

This project provides for design and construction of habitat restoration or stabilization measures for stream reaches having significant channel erosion, sedimentation, and habitat degradation. Developed areas constructed without current stormwater controls contribute uncontrolled runoff which results in eroded streambanks, excessive sediment, tree loss, and degraded habitat for fish and aquatic life. Stormdrain outfalls damaged from severe erosion are identified and, where possible, the outfalls are repaired as part of stream restoration projects - funded from the Outfall Repairs project (No. 509948). Stream deterioration can also adversely affect sanitary sewer crossings by exposing sewer lines and manholes, which in turn can be fish barriers and leak raw sewage into streams or allow infiltration of stream baseflow into the sewer system, potentially causing substantial increases in wastewater treatment costs.

#### Cost Change

Cost increases reflect anticipated implementation schedule including the addition of FY21 and FY22 partially offset by capitalization of prior expenditures.

#### Justification

The project supports the requirements of the County's MS4 permit and addresses the goals of the Chesapeake Bay Watershed Agreement, Anacostia Watershed Restoration Agreement, and the County's adopted water quality goals (Chapter 19, Article IV). The project will stabilize and improve local stream habitat conditions where streams have been damaged by inadequately controlled stormwater runoff. Corrective measures constructed or coordinated under this project include stream bank stabilization, channel modifications, habitat restoration, storm drain outfall or sanitary sewer infrastructure repairs to improve fish and other biological resources, while reducing sediment and nutrient loadings caused by excessive streambank erosion. The Facility Planning: SM project (No. 809319) includes funds for watershed studies and identifies and prioritizes stream reaches in need of restoration and protection.

#### Other

The Department of Environmental Protection identifies damaged sewer lines as part of this project, and the Washington Suburban Sanitary Commission makes sewer repairs during project construction. Projects planned for design and construction include Bel Pre Creek I, Bedfordshire and Fallsreach, Muddy Branch I, Great Seneca (GSGN 205), Grosvenor Tributary, Stonybrook Tributary, Cinnamon Woods stream, Lower Snowden & Falling Creek, Plum Gar stream, Old Farm 6 (Neilwood Drive), Stoneridge & Clearspring, and Derby Ridge & Glenallen.

#### Fiscal Note

## Misc Stream Valley Improvements (P807359)

While the State of Maryland has indicated a desire to provide funding, all indicated State Aid is preliminary and not committed. Funding may need to be revised based on actual State Aid commitments. In FY17, funding from the Water Quality Protection Charge replaced some funding previously allocated to Water Quality Protection Bonds. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next MS4 permit is subject to negotiation with the Maryland Department of Environment. Expenditures also include activities associated with increased emphasis on Green Infrastructure methods in MS4 projects.

### **Disclosures**

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Department of Transportation, Maryland-National Capital Park and Planning Commission, Washington Suburban Sanitary Commission, Department of Permitting Services, Maryland Department of the Environment, Maryland Department of Natural Resources.

## SM Facility Major Structural Repair (P800700)

Category Conservation of Natural Resources  
 Sub Category Stormwater Management  
 Administering Agency Environmental Protection (AAGE07)  
 Planning Area Countywide

Date Last Modified 5/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	11,225	2,592	1,494	7,139	1,408	1,304	1,169	885	1,102	1,271	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	25,954	4,513	6,870	14,571	3,221	2,100	1,000	2,700	3,750	1,800	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>37,179</b>	<b>7,105</b>	<b>8,364</b>	<b>21,710</b>	<b>4,629</b>	<b>3,404</b>	<b>2,169</b>	<b>3,585</b>	<b>4,852</b>	<b>3,071</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

State Aid	905	399	506	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	27,786	3,706	3,876	20,204	3,123	3,404	2,169	3,585	4,852	3,071	0
Water Quality Protection Charge	8,488	3,000	3,982	1,506	1,506	0	0	0	0	0	0
<b>Total</b>	<b>37,179</b>	<b>7,105</b>	<b>8,364</b>	<b>21,710</b>	<b>4,629</b>	<b>3,404</b>	<b>2,169</b>	<b>3,585</b>	<b>4,852</b>	<b>3,071</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	3,643
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		21,488
Expenditure / Encumbrances		12,857
Unencumbered Balance		8,631

Date First Appropriation	FY 07	
First Cost Estimate		
Current Scope	FY 17	37,179
Last FY's Cost Estimate		31,735
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

#### Description

This project provides for the design and construction of major structural repairs to County maintained stormwater management facilities. The County is responsible for structural maintenance of over 4,200 stormwater management facilities. Major structural repairs can include, dredging and removing sediment, removal and replacement or relining of failing pipes and principal spillways, replacing failing riser structures and repairing failing dam embankments. The repair work under this project is more significant than routine maintenance and requires engineering analysis and design, and application for Federal, State, and local permitting. Major structural repairs that may include a retrofit would also include partial funding for the retrofit under the SM Retrofit: Countywide project (No. 808726).

#### Cost Change

Cost increases reflect anticipated implementation schedule including the addition of FY21 and FY22.

#### Justification

This project provides for major structural repairs in order to comply with the County's MS4 permit. It is limited to funding repairs at facilities that require extensive engineering design and permitting that cannot be accomplished within a single fiscal year due to the time required to obtain State and Federal permits.

#### Other

Projects include: Quince Orchard Manor (Quince Orchard Valley Neighborhood Park), Lake Whetstone, Chadswood, B'nai Israel, Gunners Lake, Colony Pond, Persimmon Tree, Wheaton Branch, Oaks Pond, Peachwood, Hallowell, Railroad Branch, Tamarak, Oakhurst, Home Depot (Aspen Hill) and Garfield Retrofit.

#### Fiscal Note

No State Aid is assumed for this project in FY17-22. In FY17, funding from the Water Quality Protection Charge was increased reducing the need for Water Quality Protection Bonds.

#### Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

Department of Transportation, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Homeowners Associations, Montgomery County Public Schools, Department of General Services, Maryland State Highway Administration, SM Retrofit: Countywide (No. 808726), Maryland Department of Natural Resources.

**SM Retrofit: Countywide (P808726)**

Category Conservation of Natural Resources  
 Sub Category Stormwater Management  
 Administering Agency Environmental Protection (AAGE07)  
 Planning Area Countywide

Date Last Modified 5/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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**EXPENDITURE SCHEDULE (\$000s)**

Planning, Design and Supervision	56,703	5,381	9,668	41,654	7,841	8,686	6,781	6,669	5,842	5,835	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	69,846	1,740	11,980	56,126	14,098	10,539	12,644	11,331	3,812	3,702	0
Other	29	29	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>126,578</b>	<b>7,150</b>	<b>21,648</b>	<b>97,780</b>	<b>21,939</b>	<b>19,225</b>	<b>19,425</b>	<b>18,000</b>	<b>9,654</b>	<b>9,537</b>	<b>0</b>

**FUNDING SCHEDULE (\$000s)**

State Aid	13,937	38	1,899	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0
Water Quality Protection Bonds	105,015	7,112	15,467	82,436	16,595	17,225	17,425	16,000	7,654	7,537	0
Water Quality Protection Charge	7,626	0	4,282	3,344	3,344	0	0	0	0	0	0
<b>Total</b>	<b>126,578</b>	<b>7,150</b>	<b>21,648</b>	<b>97,780</b>	<b>21,939</b>	<b>19,225</b>	<b>19,425</b>	<b>18,000</b>	<b>9,654</b>	<b>9,537</b>	<b>0</b>

**OPERATING BUDGET IMPACT (\$000s)**

Maintenance				56	14	11	13	11	4	4
<b>Net Impact</b>				<b>56</b>	<b>14</b>	<b>11</b>	<b>13</b>	<b>11</b>	<b>4</b>	<b>4</b>

**APPROPRIATION AND EXPENDITURE DATA (000s)**

Appropriation Request	FY 17	8,918
Appropriation Request Est.	FY 18	17,471
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		65,197
Expenditure / Encumbrances		17,496
Unencumbered Balance		47,701

Date First Appropriation	FY 87
First Cost Estimate	
Current Scope	FY 17 126,578
Last FY's Cost Estimate	162,644
Partial Closeout Thru	35,925
New Partial Closeout	7,150
Total Partial Closeout	43,075

**Description**

This project provides for the design and construction of new and/or upgrades of existing underperforming stormwater management facilities and devices under the County's Municipal Separate Storm Sewer System (MS4) Permit as detailed in the draft Montgomery County Coordinated Implementation Strategy (CCIS). Compliance with the MS4 permit requires controlling 20 percent of impervious surfaces, or approximately 3,777 impervious acres, not currently treated to the maximum extent practicable. Inventories of candidate projects have been conducted under the Facility Planning: SM project (PDF No. 809319) for the County's ten watersheds (Paint Branch, Rock Creek, Cabin John Creek, Hawlings River, Watts Branch, Great Seneca, Muddy Branch, Sligo Creek, Little Paint Branch, and Northwest Branch). Some of the most complex projects constructed under this project are assessed, and the preliminary plans are completed in the Facility Planning: SM project (No. 809319). Where feasible, the projects integrate wetland and habitat features consistent with the goals of the Chesapeake Bay Agreement. In small drainage areas, retrofit projects may also include biofiltration, bioretention, or stormwater filtering devices.

**Cost Change**

Cost decreases reflect anticipated implementation schedule including the addition of FY21 and FY22 partially offset by capitalization of prior expenditures.

**Justification**

This project is needed to comply with the County's MS4 permitting requirements outlined in the County Coordinated Implementation Strategy (CCIS) and to implement the County's adopted water quality goals (Chapter 19, Article IV) and protect habitat conditions in local streams. In addition, the project supports the goals of the Anacostia Watershed Restoration Agreement.

**Other**

Projects in design and construction include projects located in the Rock Creek Watershed, Watts Branch Watershed, Great Seneca Creek Watershed, Muddy Branch Watershed, Cabin John Creek Watershed, and Anacostia River Watershed.

**Fiscal Note**

While the State of Maryland has indicated a desire to provide funding, all indicated State Aid is preliminary and not committed. Funding may need to be revised based on actual State Aid commitments. In FY17, funding from the Water Quality Protection Charge replaced some funding previously allocated to Water Quality Protection Bonds. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next permit is subject to negotiation with the Maryland Department of Environment. Expenditures also include activities associated with increased emphasis on Green Infrastructure methods in MS4 projects.

## SM Retrofit: Countywide (P808726)

### **Disclosures**

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Department of Transportation, Maryland National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment, Natural Resources Conservation Service, U.S. Army Corps of Engineers, Facility Planning: SM (No. 809319), Maryland Department of Natural Resources.

## SM Retrofit - Government Facilities (P800900)

Category Conservation of Natural Resources  
 Sub Category Stormwater Management  
 Administering Agency Environmental Protection (AAGE07)  
 Planning Area Countywide

Date Last Modified 5/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	13,146	7,193	1,426	4,527	1,162	822	708	695	606	534	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3	3	0	0	0	0	0	0	0	0	0
Construction	11,730	2,802	777	8,151	2,290	1,492	1,531	1,023	918	897	0
Other	19	19	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>24,898</b>	<b>10,017</b>	<b>2,203</b>	<b>12,678</b>	<b>3,452</b>	<b>2,314</b>	<b>2,239</b>	<b>1,718</b>	<b>1,524</b>	<b>1,431</b>	<b>0</b>

	Total	FY15	FY16	6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>FUNDING SCHEDULE (\$000s)</b>											
State Aid	192	192	0	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	23,524	8,643	2,203	12,678	3,452	2,314	2,239	1,718	1,524	1,431	0
Water Quality Protection Charge	1,182	1,182	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>24,898</b>	<b>10,017</b>	<b>2,203</b>	<b>12,678</b>	<b>3,452</b>	<b>2,314</b>	<b>2,239</b>	<b>1,718</b>	<b>1,524</b>	<b>1,431</b>	<b>0</b>

	Total	FY15	FY16	6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Maintenance				199	67	61	0	29	19	24	
<b>Net Impact</b>				<b>199</b>	<b>67</b>	<b>61</b>	<b>0</b>	<b>29</b>	<b>19</b>	<b>24</b>	

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	57
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		19,648
Expenditure / Encumbrances		11,417
Unencumbered Balance		8,231

Date First Appropriation	FY 09	
First Cost Estimate		
Current Scope	FY 17	24,898
Last FY's Cost Estimate		27,819
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

### Description

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices at County facilities such as buildings, parking garages, and parking lots constructed prior to modern stormwater management controls. ESD/LID stormwater devices include: Green Roofs, bioretention areas, tree box inlets, porous concrete, and other types of devices that promote water filtering and groundwater recharge. Implementing new stormwater devices in developed areas built with inadequate or no stormwater control is required in the County's Municipal Separate Storm Sewer System (MS4) Permit as detailed in the Montgomery County Coordinated Implementation Strategy (CCIS). The Department of Environmental Protection (DEP) in coordination with the Department of General Services (DGS) has identified candidate CIP projects that will be implemented jointly.

### Cost Change

Cost decreases reflect anticipated implementation schedule including the addition of FY21 and FY22.

### Justification

This project supports the requirements of the County's current MS4 permit and addresses the goals of the Chesapeake Bay Watershed Agreement and the County's adopted water quality goals (Chapter 19, Article IV). The County's MS4 permit requires that the County provide stormwater controls for 20 percent of impervious surfaces not currently treated to the maximum extent practicable, with an emphasis, where possible, on the use of LID/ESD devices.

### Fiscal Note

No State Aid is assumed for this project in FY17-22. Funding schedule may need to be revised based on actual State Aid commitments. In FY17, funding from the Water Quality Protection Charge replaced some funding previously allocated to Water Quality Protection Bonds. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next MS4 permit is subject to negotiation with the Maryland Department of Environment. Expenditures also include activities associated with an increased emphasis on Green Infrastructure methods in MS4 projects.

### Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### Coordination

## SM Retrofit - Government Facilities (P800900)

Department of General Services, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment, Maryland Department of Natural Resources.

## SM Retrofit - Roads (P801300)

Category Conservation of Natural Resources  
 Sub Category Stormwater Management  
 Administering Agency Environmental Protection (AAGE07)  
 Planning Area Countywide

Date Last Modified 5/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	20,963	3,689	2,930	14,344	2,995	3,332	3,709	1,786	1,278	1,244	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	111,880	7,122	2,259	102,499	6,431	7,850	21,329	24,329	22,560	20,000	0
Other	1	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>132,844</b>	<b>10,812</b>	<b>5,189</b>	<b>116,843</b>	<b>9,426</b>	<b>11,182</b>	<b>25,038</b>	<b>26,115</b>	<b>23,838</b>	<b>21,244</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

State Aid	15,285	3,185	100	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0
Water Quality Protection Bonds	117,559	7,627	5,089	104,843	7,426	9,182	23,038	24,115	21,838	19,244	0
<b>Total</b>	<b>132,844</b>	<b>10,812</b>	<b>5,189</b>	<b>116,843</b>	<b>9,426</b>	<b>11,182</b>	<b>25,038</b>	<b>26,115</b>	<b>23,838</b>	<b>21,244</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Maintenance				6,815	515	1,018	471	1,049	1,996	1,766	
<b>Net Impact</b>				<b>6,815</b>	<b>515</b>	<b>1,018</b>	<b>471</b>	<b>1,049</b>	<b>1,996</b>	<b>1,766</b>	

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	-9,876
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		53,830
Expenditure / Encumbrances		16,580
Unencumbered Balance		37,250

Date First Appropriation	FY 13	
First Cost Estimate		
Current Scope	FY 17	132,844
Last FY's Cost Estimate		111,815
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

#### Description

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices along County roads constructed prior to modern stormwater management controls. ESD/LID stormwater devices include bioretention, curb extensions, porous concrete, tree box inlets and other types of devices that promote water filtering and groundwater recharge. The construction amounts include costs for a public private partnership scheduled to start in FY19.

#### Cost Change

Cost increases reflect anticipated implementation schedule including the addition of FY21 and FY22.

#### Justification

This project supports the requirements of the county's MS4 permit and addresses the goals of the Chesapeake Bay Watershed Agreement and the County's adopted water quality goals (Chapter 19, Article IV). The County's MS4 permit requires that the County provide stormwater controls for 20 percent of impervious surfaces not currently treated to the maximum extent practicable, with an emphasis, where possible, on the use of ESD/LID devices. This project will be responsible for controlling stormwater on County roads, largely through ESD/LID practices, as needed to satisfy the permit requirements.

#### Other

A portion of these potential ESD/LID stormwater retrofits on County roads were previously programmed under the SM Retrofit - Government Facilities project (No. 800900). This new stand alone project includes all the potential ESD/LID projects for County roads and allows for a more efficient implementation of projects of similar scope in partnership with the Department of Transportation (DOT). Planned and in-construction projects include Franklin Knolls, Springbrook, Cannon Road, Derrydown, Glenmont Forest, Wheaton Woods, and Manor Woods green streets.

#### Fiscal Note

While the State of Maryland has indicated a desire to provide funding, all indicated State Aid is preliminary and unappropriated in FY17-22. Funding may need to be revised based on actual State Aid commitments. In FY17, the Water Quality Protection Charge replaced some funding previously allocated to Water Quality Protection Bonds. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next MS4 permit is subject to negotiation with the Maryland Department of Environment. Expenditures also include activities associated with an increased emphasis on Green Infrastructure methods in MS4 projects and preparation for a Public Private Partnership procurement in FY19.

#### Disclosures

Expenditures will continue indefinitely.



## SM Retrofit - Roads (P801300)

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

### **Coordination**

Department of General Services, Department of Transportation, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Maryland Department of the Environment, United States Army Corps of Engineers, Maryland Department of Natural Resources.

## SM Retrofit - Schools (P801301)

Category	Conservation of Natural Resources	Date Last Modified	5/5/16
Sub Category	Stormwater Management	Required Adequate Public Facility	No
Administering Agency	Environmental Protection (AAGE07)	Relocation Impact	None
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
Planning, Design and Supervision	7,023	972	865	5,186	1,050	918	968	956	751	543	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	8,651	0	584	8,067	1,436	1,030	1,537	1,331	1,390	1,343	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>15,674</b>	<b>972</b>	<b>1,449</b>	<b>13,253</b>	<b>2,486</b>	<b>1,948</b>	<b>2,505</b>	<b>2,287</b>	<b>2,141</b>	<b>1,886</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Water Quality Protection Bonds	15,674	972	1,449	13,253	2,486	1,948	2,505	2,287	2,141	1,886	0
<b>Total</b>	<b>15,674</b>	<b>972</b>	<b>1,449</b>	<b>13,253</b>	<b>2,486</b>	<b>1,948</b>	<b>2,505</b>	<b>2,287</b>	<b>2,141</b>	<b>1,886</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Maintenance				147	33	15	28	20	30	22
<b>Net Impact</b>				<b>147</b>	<b>33</b>	<b>15</b>	<b>28</b>	<b>20</b>	<b>30</b>	<b>22</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	-5,104
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
<b>Cumulative Appropriation</b>		<b>13,390</b>
<b>Expenditure / Encumbrances</b>		<b>2,124</b>
<b>Unencumbered Balance</b>		<b>11,266</b>

Date First Appropriation	FY 13	
First Cost Estimate		
Current Scope	FY 17	15,674
Last FY's Cost Estimate		26,455
Partial Closeout Thru		0
New Partial Closeout		0
<b>Total Partial Closeout</b>		<b>0</b>

#### Description

This project provides for the design and construction of Environmental Site Design (ESD)/Low Impact Development (LID) stormwater management devices at Montgomery County Public Schools (MCPS) such as buildings, parking lots, and other impervious surfaces constructed prior to modern stormwater management controls. LID/ESD stormwater devices that may be implemented under this project include: green roofs, bioretention areas, tree box inlets, porous concrete and other types of devices that promote water filtering and groundwater recharge.

#### Cost Change

Cost decreases reflect anticipated implementation schedule including the addition of FY21 and FY22.

#### Justification

This project supports the requirements of the County's MS4 permit and addresses the goals of the Chesapeake Bay Watershed Agreement and the County's adopted water quality goals (Chapter 19, Article IV). The County's MS4 permit requires that the County provide stormwater controls for 20 percent of impervious surfaces not currently treated to the maximum extent practicable, with an emphasis, where possible, on the use of LID/ESD devices. This project will be responsible for controlling stormwater on Montgomery County Public School (MCPS) properties largely through the use of LID/ESD practices needed to satisfy the permit requirements.

#### Other

A portion of these potential LID/ESD stormwater retrofits located at County schools were previously programmed under the FY11-16 Approved SM Retrofit - Government Facilities project (No. 800900). This stand-alone project includes LID/ESD projects located on MCPS property and allows for a more efficient implementation of projects in partnership with MCPS.

#### Fiscal Note

In FY17, some funding was reduced from Water Quality Protection Bonds and was replaced with the Water Quality Protection Charge. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next MS4 permit is subject to negotiation with the Maryland Department of the Environment. Expenditures also include activities associated with an increased emphasis on Green Infrastructure methods in MS4 projects.

#### Disclosures

Expenditures will continue indefinitely.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

## SM Retrofit - Schools (P801301)

Maryland-National Capital Park and Planning Commission, Montgomery County Public Schools, Department of Permitting Services,  
Maryland Department of the Environment.

## Watershed Restoration - Interagency (P809342)

Category Conservation of Natural Resources  
 Sub Category Stormwater Management  
 Administering Agency Environmental Protection (AAGE07)  
 Planning Area Colesville-White Oak

Date Last Modified 5/5/16  
 Required Adequate Public Facility No  
 Relocation Impact None  
 Status Ongoing

Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,269	2,898	50	3,321	1,599	56	60	728	511	367	0
Land	4	4	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	10,502	1,873	0	8,629	0	5,025	0	0	2,163	1,441	0
Other	2	2	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16,777</b>	<b>4,777</b>	<b>50</b>	<b>11,950</b>	<b>1,599</b>	<b>5,081</b>	<b>60</b>	<b>728</b>	<b>2,674</b>	<b>1,808</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	527	527	0	0	0	0	0	0	0	0	0
State Aid	505	505	0	0	0	0	0	0	0	0	0
Stormwater Management Waiver Fees	3,226	3,226	0	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	12,489	489	50	11,950	1,599	5,081	60	728	2,674	1,808	0
Water Quality Protection Charge	30	30	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16,777</b>	<b>4,777</b>	<b>50</b>	<b>11,950</b>	<b>1,599</b>	<b>5,081</b>	<b>60</b>	<b>728</b>	<b>2,674</b>	<b>1,808</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000s)

Maintenance				20	0	0	15	0	0	5
<b>Net Impact</b>				<b>20</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>5</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	36
Appropriation Request Est.	FY 18	5,081
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,391
Expenditure / Encumbrances		4,777
Unencumbered Balance		1,614

Date First Appropriation	FY 93
First Cost Estimate	
Current Scope	FY 17 16,777
Last FY's Cost Estimate	6,972

#### Description

This project provides for the design and construction of stormwater management retrofits and stream restoration projects which manage stormwater runoff, enhance aquatic habitat, and improve water quality in County streams. The projects are executed under interagency agreements with the U.S. Army Corps of Engineers (USACE). The first two agreements, which were signed in 1992 and 1997, were limited to subwatersheds within the Anacostia Watershed. In FY04, the USACE expanded project eligibility to include all County subwatersheds within the Mid-Potomac watershed. The feasibility study and the design and construction of the projects selected in Montgomery County are managed by the U.S. Army Corps of Engineers with assistance from the Maryland Department of Environment and Maryland-National Capital Park and Planning Commission.

#### Cost Change

Cost increases reflect anticipated implementation schedule including the addition of FY21 and FY22.

#### Justification

This project will improve local stream water quality, protect stream conditions, and enhance wildlife and aquatic habitats in Sligo Creek, Northwest Branch, Paint Branch, and Little Paint Branch tributaries within the interjurisdictional Anacostia River Watershed. The project supports the goals of the Chesapeake Bay initiatives, the Anacostia Watershed Restoration Agreement, and addresses the County's Municipal Separate Storm Sewer System (MS4) permit as detailed in the Montgomery County Coordinated Implementation Strategy (CCIS).

#### Fiscal Note

This project leverages Federal Aid with the Federal government paying for 75 percent of construction costs for projects designed under the Anacostia Phase I Feasibility Study, and 65 percent of construction costs for projects designed under the subsequent agreements. Program expenditures reflect County contributions to the U.S. Army Corps of Engineers for design/construction and in-kind services. In FY17, Water Quality Protection Charge funding was increased reducing the need for Water Quality Protection Bonds. Expenditures in the outyears include expected costs to meet the requirements of the County's next MS4 permit. The scope of the next MS4 permit is subject to negotiation with the Maryland Department of Environment. Expenditures also include activities associated with increased emphasis on Green Infrastructure methods in MS4 projects.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

#### Coordination

## Watershed Restoration - Interagency (P809342)

U.S. Army Corps of Engineers, Maryland-National Capital Park and Planning Commission, Department of Permitting Services, Department of Transportation, Maryland Department of the Environment, Facility Planning: SM (No. 809319), Maryland Department of Natural Resources.

## Demolition Fund (P091704)

Category                    Housing Opportunities Commission  
 Sub Category            Housing  
 Administering Agency   Housing Opportunities Commission  
 Planning Area            (AAGE12)  
                                   Countywide

Date Last Modified            5/12/16  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Planning Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	1,900	0	0	1,900	0	1,300	600	0	0	0	0
<b>Total</b>	<b>1,900</b>	<b>0</b>	<b>0</b>	<b>1,900</b>	<b>0</b>	<b>1,300</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,900	0	0	1,900	0	1,300	600	0	0	0	0
<b>Total</b>	<b>1,900</b>	<b>0</b>	<b>0</b>	<b>1,900</b>	<b>0</b>	<b>1,300</b>	<b>600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	1,300
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16	
First Cost Estimate		
Current Scope	FY 17	1,900
Last FY's Cost Estimate		1,900

#### Description

In an effort to replace some of the County's least sustainable affordable housing, deliver amenities not currently present along with the return of housing to those sites, and embed the new stock of affordable housing within mixed-income communities, the Housing Opportunities Commission (HOC) has vacated its Emory Grove Village property and is beginning the process of vacating its Ambassador property. The entitlement and permitting process for each site will take from two to four years. In the interim, upon vacating these sites, HOC will demolish the existing buildings such that they do not become blights on the surrounding neighborhoods.

#### Location

Gaithersburg and Wheaton

#### Capacity

Demolition of 216 units

#### Estimated Schedule

Demolition of Emory Grove Village will take approximately three months. Demolition of the Ambassador will take approximately five months.

#### Justification

Both Emory Grove Village and the Ambassador have physical capital needs that far outweigh their ability to support remediation. As both properties are 100 percent affordable, they have no resources available to fund improvements or demolition. Both properties are located on prominent corner and would remain vacant for a considerable period of time.

#### Fiscal Note

The estimated cost of demolition for Emory Grove Village is between \$600,000 and \$800,000 and estimated demolition costs for the Ambassador is between \$1.3 and \$1.5 million.

#### Coordination

Department of Finance, Department of Housing and Community Affairs, and the Department of Permitting Services

# Supplemental funds for Deeply Subsidized HOC Owned Units Improvements (P091501)

Category	Housing Opportunities Commission	Date Last Modified	5/6/16
Sub Category	Housing	Required Adequate Public Facility	No
Administering Agency	Housing Opportunities Commission	Relocation Impact	None
Planning Area	(AAGE12) Countywide	Status	Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	10,000	0	2,500	7,500	1,250	1,250	1,250	1,250	1,250	1,250	0
<b>Total</b>	<b>10,000</b>	<b>0</b>	<b>2,500</b>	<b>7,500</b>	<b>1,250</b>	<b>1,250</b>	<b>1,250</b>	<b>1,250</b>	<b>1,250</b>	<b>1,250</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	10,000	0	2,500	7,500	1,250	1,250	1,250	1,250	1,250	1,250	0
<b>Total</b>	<b>10,000</b>	<b>0</b>	<b>2,500</b>	<b>7,500</b>	<b>1,250</b>	<b>1,250</b>	<b>1,250</b>	<b>1,250</b>	<b>1,250</b>	<b>1,250</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	1,250
Appropriation Request Est.	FY 18	1,250
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,500
Expenditure / Encumbrances		0
Unencumbered Balance		2,500

Date First Appropriation	FY 15
First Cost Estimate	
Current Scope	FY 17      10,000
Last FY's Cost Estimate	7,500

#### Description

Typical improvements include, but are not limited to, replacement of roofs, windows and doors; improvements to unit interiors such as kitchen and bathroom modernization; replacement of major mechanical, electrical, plumbing systems and equipment; appliance replacement; life-safety improvements; site improvements such as fencing, site lighting, landscaping, and sidewalk and parking lot replacement. In the FY15-20 Capital Improvements Program this project was expanded to allow these funds to be used for deeply subsidized HOC owned unit improvements on public housing units both pre- and post- conversion.

#### Capacity

Income-restricted HOC owned units restricted to households making less than 60% of the median income for the Washington Metropolitan statistical area.

#### Cost Change

The increase is due to the addition of FY21 and FY22.

#### Justification

These properties are original MPDUs that are owned by HOC and are subject to Commission imposed or financing restrictions, or have approximately 15 years left on the Low Income Housing Tax Credit (LIHTC) restrictive covenants requiring continued affordability. Given the age of the properties, they now need comprehensive renovation but lack the net operating income to generate sufficient proceeds to both retire the existing debt and fund the vital renovations. Montgomery County has a higher property standard than the Federal government. In addition, neighbors in the communities with the units expect the properties to be well maintained. Many of these units are scattered throughout the County in communities governed by Home Owner Associations (HOAs), and some have higher standards than the County code. Additional funding is necessary if HOC units are to be maintained at levels consistent with community norms and standards. In an effort to stay true to its mandate to provide decent, safe and sanitary housing to low and moderate income residents in Montgomery County and to ensure that its properties and communities are maintained at a level consistent with community norms, HOC will use a combination of its own funds and County funds to make capital improvements to this housing stock.

#### Fiscal Note

The Commission's portfolio includes hundreds of income-restricted scattered site units throughout the county, most approximately 30 years of age. Many of these units were acquired into a Low Income Housing Tax Credit limited partnership more than 15 years ago and are subject to continued affordability restrictions under the LIHTC program. In addition, there are limited partnerships that are expected to contribute units to HOC and, upon doing so; HOC becomes the sole owner of these units. Finally, other units are simply older Moderately Priced Dwelling Units (MPDUs) that continue to be restricted to households of low- and moderate-income. With significant debt remaining on those units, the net operating income from these affordably priced units cannot support both the repayment of that debt and the additional proceeds needed to complete a comprehensive scope of renovation, which includes new windows, roof replacement, installation of energy-efficient heating and air conditioning systems, electrical and plumbing repairs, new flooring, new lighting, new cabinetry, installation of energy-efficient appliances, and new bathrooms.

#### Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

#### Coordination

**Supplemental funds for Deeply Subsidized HOC Owned Units Improvements (P091501)**

Maryland Department of Housing and Community Development, Department of Housing and Community Affairs



## MCG Reconciliation PDF (501404)

Category                    Transportation  
 Sub Category                Roads  
 Administering Agency      Transportation (AAGE30)  
 Planning Area                Rockville

Date Last Modified                    5/11/16  
 Required Adequate Public Facility  
 Relocation Impact  
 Status                                      Preliminary Design Stage

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	-79,878	0	-3,299	-76,579	-12,393	-8,828	-11,517	-9,719	-16,153	-17,969	0
Impact Tax	14,617	0	2,169	12,448	4,683	985	2,055	2,025	1,063	1,637	0
Recordation Tax Premium	65,261	0	1,130	64,131	7,710	7,843	9,462	7,694	15,090	16,332	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	0
Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation	FY 16
First Cost Estimate	
Current Scope	0
Last FY's Cost Estimate	0

#### **Description**

This project reconciles County government projects funded with particular funding sources with the CIP database by balancing funding components on the macro level. The entries here are zeroed out after funding adjustments are made to individual projects.

### **PART III: CAPITAL IMPROVEMENTS PROJECTS TO BE CLOSED OUT**

The following capital projects are closed out effective June 30, 2016, and the appropriation for each project is decreased by the amount of the project's unencumbered balance.

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**Project Title (Project #)**

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401 Hungerford Drive Garage (P500705)  
Temperature Controlled Liquor Warehouse (P850500)  
5th District Police Station (P470900)  
Travilah Road (P500101)  
Clarksburg Town Center Development District: Roads (P500423)  
Norbeck Road Extended (P509321)  
Shady Grove Access Bike Path (P500600)  
Dale Drive Sidewalk (P500904)  
Silver Spring Traffic Improvements (P508716)  
Takoma/Langley Park Transit Center (P500715)  
Children's Resource Center (P641300)  
White Oak Community Recreation Center (P720101)  
Plum Gar Neighborhood Recreation Center (P720905)  
Scotland Neighborhood Recreation Center (P720916)  
Gaithersburg Middle School Pool (P721402)  
DPL Network and Telephone Infrastructure (P711401)  
Sonoma / Ayrilawn Storm Drain Improvements (P500509)  
Town of Chevy Chase Storm Drain Improvements (P500808)  
Maple Avenue Storm Drain & Roadway Improvements (P501100)  
Henderson Avenue Storm Drain & Roadway Improvement (P501108)  
Fenton Street Village Pedestrian Linkages (P760500)  
Glenmont Metro Parking Expansion (P500552)

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**PART IV: TEN PERCENT TRANSFERABILITY BASIS FOR LEVEL OF EFFORT  
PROJECTS**

Up to 10% of the Cumulative Appropriation (A) less Prior Year Thru actual expenditures (B) for the on-going projects displayed below is eligible for transfer into other projects within the same category effective as of July 1<sup>st</sup>, 2016.

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Project Title ( Project #)	Cumulative Appropriation as of July 1. (in \$000)	Prior Year Thru Expenditure (In \$000s)	Cumulative Appropriation Basis for Transferability Purposes (In \$000)
Energy Conservation: MCG (P507834)	813	23	790
Roof Replacement: MCG (P508331)	12,594	612	11,982
Asbestos Abatement: MCG (P508728)	374	106	268
HVAC/Elec Replacement: MCG (P508941)	4,881	1,481	3,400
Planned Lifecycle Asset Replacement: MCG (P509514)	5,415	1,351	4,064
Resurfacing: Fire Stations (P458429)	1,129	62	1,067
Roof Replacement: Fire Stations (P458629)	1,921	521	1,400
HVAC/Elec Replacement: Fire Stns (P458756)	5,427	1,216	4,211
Public Facilities Roads (P507310)	2,636	217	2,419
Subdivision Roads Participation (P508000)	9,455	356	9,099
Bridge Renovation (P509753)	8,625	1,846	6,779
Sidewalk Program - Minor Projects (P506747)	9,216	1,936	7,280
Bikeway Program - Minor Projects (P507596)	2,416	458	1,958
ADA Compliance: Transportation (P509325)	5,287	1,084	4,203
Transportation Improvements For Schools (P509036)	889	100	789
Intersection and Spot Improvements (P507017)	5,424	1,186	4,238
Streetlighting (P507055)	3,248	969	2,279
Traffic Signals (P507154)	16,608	4,877	11,731
Guardrail Projects (P508113)	978	358	620
Silver Spring Traffic Improvements (P508716)	362	15	347
Neighborhood Traffic Calming (P509523)	1,081	200	881
Pkg Sil Spg Fac Renovations (P508250)	10,303	1,196	9,107
Pkg Beth Fac Renovations (P508255)	4,947	503	4,444
Pkg Wheaton Fac Renovations (P509709)	451	1	450
Bus Stop Improvements (P507658)	2,303	1,228	1,075

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**PART IV: TEN PERCENT TRANSFERABILITY BASIS FOR LEVEL OF EFFORT  
PROJECTS**

Up to 10% of the Cumulative Appropriation (A) less Prior Year Thru actual expenditures (B) for the on-going projects displayed below is eligible for transfer into other projects within the same category effective as of July 1<sup>st</sup>, 2016.

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<b>Project Title ( Project #)</b>	<b>Cumulative Appropriation as of July 1. (in \$000)</b>	<b>Prior Year Thru Expenditure (In \$000s)</b>	<b>Cumulative Appropriation Basis for Transferability Purposes (In \$000)</b>
Sidewalk & Curb Replacement (P508182)	19,851	6,744	13,107
Resurfacing: Primary/Arterial (P508527)	26,740	10,497	16,243
Public Arts Trust (P729658)	521	165	356
Misc Stream Valley Improvements (P807359)	29,327	4,135	25,192
SM Retrofit: Countywide (P808726)	74,115	7,150	66,965
Ag Land Pres Easements (P788911)	6,925	4,552	2,373

*Note:*

*These projects were previously partially closed out (FY16 was last year of partial capitalization).*

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