

# Fiscal 2020 Capital Budget

# GENERAL COUNTY PROJECTS

## Project: C0285 - FY2002 US1 CORRIDOR REVITALIZATION

(In Thousands)	Five Year Capital Program										Master Plan			
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	1,200	0	1,200	0	0	0	0	0	0	0	0	0	0	1,200
LAND ACQUISITION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	1,486	(150)	1,336	0	0	0	0	0	0	0	0	0	0	1,336
ADMINISTRATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>2,686</b>	<b>(150)</b>	<b>2,536</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>2,536</b>
BONDS	1,250	(150)	1,100	0	0	0	0	0	0	0	0	0	0	1,100
GRANTS	826	0	826	0	0	0	0	0	0	0	0	0	0	826
OTHER SOURCES	610	0	610	0	0	0	0	0	0	0	0	0	0	610
<b>Total Funding</b>	<b>2,686</b>	<b>(150)</b>	<b>2,536</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>2,536</b>

**\$1,681,142 spent and encumbered through February 2019**

**\$2,600,077 spent and encumbered through February 2018**

### Project Status

1. Engineering consultant was retained in FY09 to conduct a project planning study for a potential alignment of a section of US1 to accommodate the newly identified right-of-way and improvements. In FY10, SHA and property owners created a plan re alignment and financial obligations.
2. FY12 - Three sidewalk improvements projects constructed totaling \$494,890 utilizing HUD grant and local funds.
3. FY15 - SHA working on preliminary engineering for N Laurel Area improvements.
- FY16 - Reduction to Grant Funds to align with grants received and spent.
5. FY17 - Property acquisition for construction of sidewalk connectivity improvements near N Laurel Rd, in the median of the southbound lane of US1.
6. FY18 - FY19 - Projects to be identified in conjunction with the outcomes of the Washington Boulevard Study.
7. FY19 - FY20 - Implementation of projects from the US1 Safety Evaluation.

FY 2019 Budget	2,686	0	<b>2,686</b>	0	0	0	0	0	<b>0</b>	0	0	0		<b>2,686</b>
Difference 2019 / 2020	0	(150)	<b>(150)</b>	0	0	0	0	0	<b>0</b>	0	0	0	0	<b>(150)</b>

None.

# Fiscal 2020 Capital Budget

# GENERAL COUNTY PROJECTS

## Project: C0287 - FY2002 COMMUNITY RENEWAL | ENHANCEMENTS

(In Thousands)	Five Year Capital Program										Master Plan			
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	189	0	189	0	0	0	0	0	0	0	0	0	0	189
LAND ACQUISITION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	1,190	8	1,198	0	0	0	0	0	0	0	0	0	0	1,198
ADMINISTRATION	10	0	10	0	0	0	0	0	0	0	0	0	0	10
<b>Total Expenditures</b>	<b>1,389</b>	<b>8</b>	<b>1,397</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>1,397</b>
BONDS	895	150	1,045	0	0	0	0	0	0	0	0	0	0	1,045
GRANTS	100	(100)	0	0	0	0	0	0	0	0	0	0	0	0
OTHER SOURCES	44	(42)	2	0	0	0	0	0	0	0	0	0	0	2
PAY AS YOU GO	350	0	350	0	0	0	0	0	0	0	0	0	0	350
<b>Total Funding</b>	<b>1,389</b>	<b>8</b>	<b>1,397</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>1,397</b>

**\$1,230,789 spent and encumbered through February 2019**

**\$531,382 spent and encumbered through February 2018**

**Project Status** 1. FY04 - Retaining Wall in Village of Wilde Lake Complete.

2. FY05 - Completed Bryant Square Landscape Revitalization Plan, Landscape Maintenance Manual, and Drainage and Sidewalk Improvements.

3. FY08-FY10 - Village of Oakland Mills revitalization, Robert Oliver Place Enhancement. Completed in FY11.

4. FY14|15 - Completed study and 30% design of Frederick Road|US144 mile marker enhancement along US40.

5. FY17-FY18 - Funding requested to support Oakland Mills Streetscape improvements. The project will be implemented in conjunction with the recommendations of the FY17 Oakland Mills Village Center Feasibility Study.

FY18-FY19 - Planning and Design

FY 2019 Budget	1,389	0	1,389	0	0	0	0	0	0	0	0	0	0	1,389
Difference 2019 / 2020	0	8	8	0	0	0	0	0	0	0	0	0	0	8

FY20 Change in revenue reflects a reconciliation with financial system of actual funding.

# Fiscal 2020 Capital Budget

# GENERAL COUNTY PROJECTS

## Project: C0337 - FY2014 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS

### Description

This is a project to provide a variety of repairs and improvements to public infrastructure and address other community improvements and to make improvements to the downtown and historic district of the Howard County Seat. This project may include land acquisition for water quality and drainage needs and other public improvements.

### Justification

Community has requested improvements to the downtown Ellicott City area for flood mitigation. The work effort will be done to implement the Safe and Sound Plan.

### Remarks

1. A portion of current request represents funding to be generated from legislation CB-8 and CR21 for stormwater utility funding, known as Watershed Protection and Restoration fund.
2. TAO #3 - 2014 current pending legislation will add \$100,000 grant funding for Ellicott City Streetscape program.
3. Construction of some projects may be dependent on the donation of the necessary easements and-or property owner cost share participation.
4. OTHER SOURCES revenue represents homeowner contribution.
5. GRANT represents anticipated FEMA and State funding for Ellicott City.
6. Project implementation of the various improvements included in the Safe and Sound Plan may be adjusted depending on contract negotiations, land acquisition success and regulations|permit approvals.

### Project Schedule

FY20 - Construction: Pond H7, Quaker Mill pond.

FY20 - Design: Culverts at 8780 Main Street, 8520 Main Street, and Maryland Avenue. Initiates the design|build contract for the North tunnel. Acquire license agreements from CSX railroad.

Continue building acquisition-removal of those in most vulnerable areas (West End) and for Robert's property. Begin implementation of the T-1 pond. The project may be developed as a public|private partnership contract.

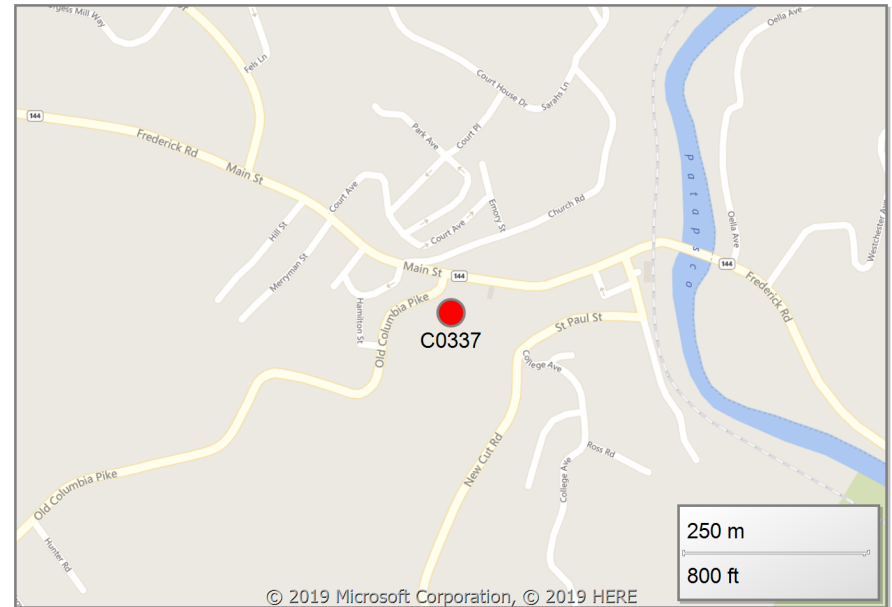
### Operating Budget Impact

Annual Debt Service - Budget Year : 576,000

Current FY times interest rate

Annual Debt Service - Total : 1,317,375

Total Appropriation times interest rate



### Explanation of Changes

Scope definition and timeline of project account for cost increase.

# Fiscal 2020 Capital Budget

# GENERAL COUNTY PROJECTS

## Project: C0337 - FY2014 ELLICOTT CITY IMPROVEMENTS and ENHANCEMENTS

(In Thousands)	Five Year Capital Program									Master Plan				
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	1,700	900	2,600	300	300	0	0	0	600	0	0	0	0	3,200
LAND ACQUISITION	10,900	7,000	17,900	0	0	0	0	0	0	0	0	0	0	17,900
CONSTRUCTION	9,171	9,000	18,171	17,000	71,700	3,700	0	0	92,400	0	0	0	0	110,571
ADMINISTRATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>21,771</b>	<b>16,900</b>	<b>38,671</b>	<b>17,300</b>	<b>72,000</b>	<b>3,700</b>	<b>0</b>	<b>0</b>	<b>93,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131,671</b>
BONDS	16,475	12,800	29,275	12,000	72,000	3,700	0	0	87,700	0	0	0	0	116,975
DEVELOPER CONTRIBUTION	165	0	165	0	0	0	0	0	0	0	0	0	0	165
GRANTS	2,626	4,100	6,726	5,300	0	0	0	0	5,300	0	0	0	0	12,026
OTHER SOURCES	5	0	5	0	0	0	0	0	0	0	0	0	0	5
PAY AS YOU GO	1,000	0	1,000	0	0	0	0	0	0	0	0	0	0	1,000
STORMWATER UTILITY FUNDING	1,500	0	1,500	0	0	0	0	0	0	0	0	0	0	1,500
<b>Total Funding</b>	<b>21,771</b>	<b>16,900</b>	<b>38,671</b>	<b>17,300</b>	<b>72,000</b>	<b>3,700</b>	<b>0</b>	<b>0</b>	<b>93,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>131,671</b>

**\$11,618,898 spent and encumbered through February 2019**

**\$3,998,515 spent and encumbered through February 2018**

**Project Status** TAO#1-2019 Transfer in \$15,981,000

Design - Parking Lot F imprv, Ellicott Mills Dr WQ bumpout, Main St crosswalks, Tiber|Hudson Branch stream imprv Ellicott Mills Dr to Maryland Ave.

Construction complete - Parking Lot E improvements (partial funding), wall repairs for Court Ave, Tonge Row, Lot E northeast corner, Precious Gifts, Main St at 84" culvert, Main St repaving, Courthouse Dr slope repair, Fels La drainage improvements, Ellicott Mills Dr roadway replacement, Rogers Ave storm drain improvements.

Other - Stream wall inspections, begin acquisition and stabilization process in the most vulnerable areas, geotechnical investigation for St Luke Church slope repair.

FY 2019 Budget	5,790	0	5,790	0	0	0	0	0	0	0	0	0	0	5,790
Difference 2019 / 2020	15,981	16,900	32,881	17,300	72,000	3,700	0	0	93,000	0	0	0	0	125,881

Scope definition and timeline of project account for cost increase.

# Fiscal 2020 Capital Budget

# GENERAL COUNTY PROJECTS

## Project: C0351 - FY2017 HARRIET TUBMAN REMEDIATION and RESTORATION

(In Thousands)	Five Year Capital Program										Master Plan			
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	570	150	720	0	0	0	0	0	0	0	0	0	0	720
CONSTRUCTION	1,000	1,650	2,650	0	0	0	0	0	0	0	0	0	0	2,650
<b>Total Expenditures</b>	<b>1,570</b>	<b>1,800</b>	<b>3,370</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>3,370</b>
BONDS	770	1,500	2,270	0	0	0	0	0	0	0	0	0	0	2,270
GRANTS	800	300	1,100	0	0	0	0	0	0	0	0	0	0	1,100
<b>Total Funding</b>	<b>1,570</b>	<b>1,800</b>	<b>3,370</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>3,370</b>

**\$273,461 spent and encumbered through February 2019**

**\$555,356 spent and encumbered through February 2018**

**Project Status** Environmental and building assessments completed. Building is completely unoccupied since HCPSS vacated the building in September 2017. In FY19, development of a schedule and budget for long term use, based on findings of the Harriet Tubman Society Advisory Council, was completed.

FY 2019 Budget	1,570	1,500	<b>3,070</b>	0	0	0	0	0	<b>0</b>	0	0	0		<b>3,070</b>
Difference 2019 / 2020	0	300	<b>300</b>	0	0	0	0	0	<b>0</b>	0	0	0	0	<b>300</b>

TAO 3-2017 transferred \$480,000 to C0309 Land Acquisition Contingency Reserve. Additional costs are for window replacement, HVAC upgrades, and completion of hazmat abatement.

# Fiscal 2020 Capital Budget

# STORM DRAINAGE PROJECTS

## Project: D1176 - WATERSHED MANAGEMENT CONSTRUCTION

### Description

This project is for design and construction of stormwater facility improvements. The project will include NPDES stormwater management implementation requirements, floodplain studies, including retrofitting of stormwater management ponds, restoration and certification of detention basins, continued improvement of flood alert systems, streambank restoration including bio-engineering, water quality devices (such as wetlands), storm drainage and storm drain outfall stabilization, channel restoration and water quality monitoring studies.

### Justification

1. NPDES Program is required by EPA and MDE under the Clean Water Act.
2. Watershed management of floodplains is needed to provide additional protection for older communities.
3. Erosion of tributaries of the Patapsco and Patuxent Rivers needs to be addressed.

### Remarks

1. This project replaces D-1158.
2. GRANT funds include local implementation grant from Chesapeake and Atlantic Coastal Bays 2010 Trust Fund.
3. A portion of current request represents funding to be generated from legislation CB-8 and CR21 for stormwater utility funding, known as Watershed Protection and Restoration fund.
4. OTHER SOURCES represent Stormwater Bonds backed by Watershed Protection and Restoration fund, plus funds provided to County through Memorandums of Understandings for cost sharings.
5. Construction of some projects may be dependent upon donation of the necessary easements and-or property owner cost share participation.

### Project Schedule

FY20 - Designs: Wharffs Lane, Bonnie Branch Road, Town and Country  
FY20 - Constructions: Yellowbell Pathway, Park Drive, Mellen Court, Sunnyfield Court, Gwynn Park Drive, Allview Area - Stream woody debris removal.  
Post-construction monitoring of multiple completed stream restoration projects.

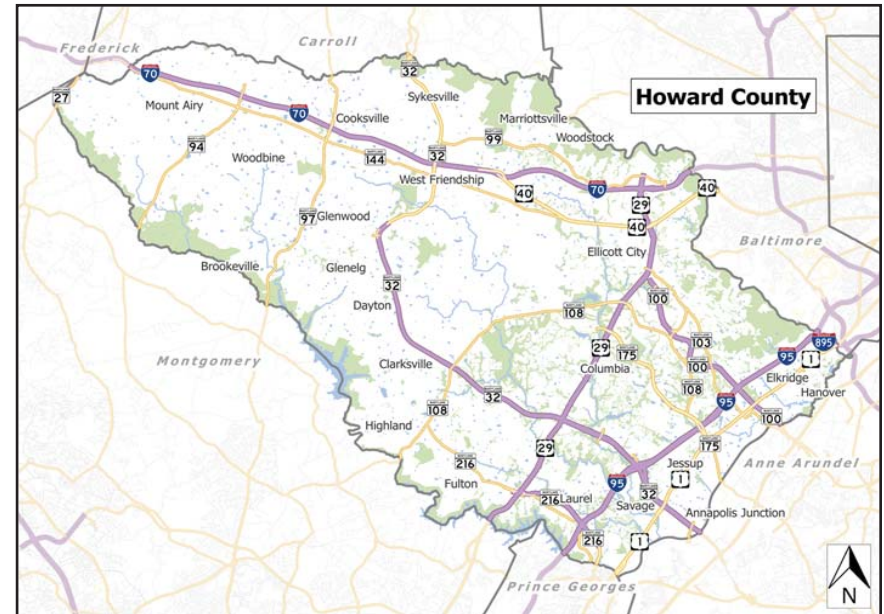
### Operating Budget Impact

Annual Debt Service - Budget Year :

*Current FY times interest rate*

Annual Debt Service - Total :

*Total Appropriation times interest rate*



# Fiscal 2020 Capital Budget

# STORM DRAINAGE PROJECTS

## Project: D1176 - WATERSHED MANAGEMENT CONSTRUCTION

(In Thousands)				Five Year Capital Program						Master Plan				
Appropriation Object Class	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	0	1,100	1,100	1,200	1,200	1,200	1,200	1,200	6,000	1,000	1,000	1,000	1,000	11,100
LAND ACQUISITION	0	100	100	0	0	0	0	0	0	0	0	0	0	100
CONSTRUCTION	0	6,200	6,200	7,800	7,800	7,800	7,800	7,800	39,000	7,900	7,900	7,900	7,900	76,800
ADMINISTRATION	0	100	100	100	100	100	100	100	500	100	100	100	100	1,000
<b>Total Expenditures</b>	<b>0</b>	<b>7,500</b>	<b>7,500</b>	<b>9,100</b>	<b>9,100</b>	<b>9,100</b>	<b>9,100</b>	<b>9,100</b>	<b>45,500</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>89,000</b>
GRANTS	0	2,000	2,000	2,000	2,000	2,000	2,000	2,000	10,000	2,000	2,000	2,000	2,000	20,000
OTHER SOURCES	0	4,300	4,300	5,100	5,100	5,100	5,100	5,100	25,500	6,000	6,000	6,000	6,000	53,800
STORMWATER UTILITY FUNDING	0	1,200	1,200	2,000	2,000	2,000	2,000	2,000	10,000	1,000	1,000	1,000	1,000	15,200
<b>Total Funding</b>	<b>0</b>	<b>7,500</b>	<b>7,500</b>	<b>9,100</b>	<b>9,100</b>	<b>9,100</b>	<b>9,100</b>	<b>9,100</b>	<b>45,500</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>89,000</b>

**\$0 spent and encumbered through February 2019**  
**spent and encumbered through February 2018**

**Project Status** New capital project to replace D1158.  
 No work done prior to FY20 in D1176.

Difference 2019 / 2020	0	7,500	<b>7,500</b>	9,100	9,100	9,100	9,100	9,100	<b>45,500</b>	9,000	9,000	9,000	9,000	<b>89,000</b>
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# Fiscal 2020 Capital Budget

# ROAD RESURFACING PROJECTS

## Project: H2013 - FY2006 PARKING RESURFACING PROGRAM

### Description

A project to provide milling and repaving for various parking lots in Main street of Ellicott City.

### Justification

To restore the load bearing structural integrity of the parking network which has failed. This project acts as a program to extend the useful life of the existing road and parking areas by complete resurfacing.

### Remarks

1. The selected deteriorated areas must be deep milled or patched prior to the placement of the smooth travel surface materials.
2. Companion project C0337.

### Project Schedule

FY20 - Program closed.

### Operating Budget Impact

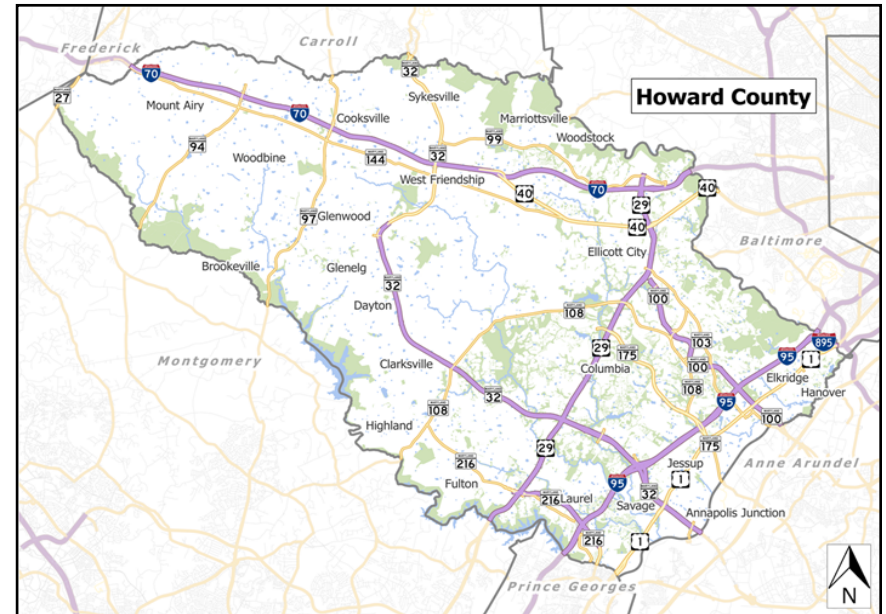
Annual Interest - Budget Year :

*Current FY times interest rate*

Annual Interest - Total :

*Total Appropriation times interest rate*

Reduce maintenance costs



### Explanation of Changes

None



# Fiscal 2020 Capital Budget

# ROAD CONSTRUCTION PROJECTS

## Project: J4167 - FY2010 SNOWDEN RIVER|BROKEN LAND INTERSECT

(In Thousands)	Five Year Capital Program										Master Plan			
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	580	0	580	0	215	0	0	0	215	0	0	0	0	795
LAND ACQUISITION	100	0	100	150	0	0	0	0	150	0	0	0	0	250
CONSTRUCTION	0	0	0	0	810	0	0	0	810	0	0	0	0	810
<b>Total Expenditures</b>	<b>680</b>	<b>0</b>	<b>680</b>	<b>150</b>	<b>1,025</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,175</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,855</b>
BONDS	0	0	0	150	1,025	0	0	0	1,175	0	0	0	0	1,175
EXCISE TAX BACKED BONDS	680	0	680	0	0	0	0	0	0	0	0	0	0	680
<b>Total Funding</b>	<b>680</b>	<b>0</b>	<b>680</b>	<b>150</b>	<b>1,025</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,175</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,855</b>

**\$135,139 spent and encumbered through February 2019**

**\$150,959 spent and encumbered through February 2018**

**Project Status** FY19 - This project advanced from the study phase to the design phase for the capacity and safety improvements.

FY 2019 Budget	680	0	<b>680</b>	1,175	0	0	0	0	<b>1,175</b>	0	0	0		<b>1,855</b>
Difference 2019 / 2020	0	0	<b>0</b>	(1,025)	1,025	0	0	0	<b>0</b>	0	0	0	0	<b>0</b>

# Fiscal 2020 Capital Budget

# ROAD CONSTRUCTION PROJECTS

## Project: J4246 - FY2018 OLD MONTGOMERY ROAD AT BRIGHTFIELD ROAD INTERSECTION IMPROVEMENTS

(In Thousands)				Five Year Capital Program						Master Plan				
Appropriation Object Class	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	200	0	200	0	75	0	0	0	75	0	0	0	0	275
LAND ACQUISITION	0	0	0	50	0	0	0	0	50	0	0	0	0	50
CONSTRUCTION	0	0	0	0	1,500	0	0	0	1,500	0	0	0	0	1,500
<b>Total Expenditures</b>	<b>200</b>	<b>0</b>	<b>200</b>	<b>50</b>	<b>1,575</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,625</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,825</b>
BONDS	200	(115)	85	50	1,575	0	0	0	1,625	0	0	0	0	1,710
DEVELOPER CONTRIBUTION	0	115	115	0	0	0	0	0	0	0	0	0	0	115
<b>Total Funding</b>	<b>200</b>	<b>0</b>	<b>200</b>	<b>50</b>	<b>1,575</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,625</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,825</b>

**\$0 spent and encumbered through February 2019**

**\$0 spent and encumbered through February 2018**

**Project Status** FY19 - Design underway.

FY 2019 Budget	200	1,625	<b>1,825</b>	0	0	0	0	0	<b>0</b>	0	0	0		<b>1,825</b>
Difference 2019 / 2020	0	(1,625)	<b>(1,625)</b>	50	1,575	0	0	0	<b>1,625</b>	0	0	0	0	<b>0</b>

Developer project is affecting the frontage of the project intersection. Final design will proceed after developer improvements are complete.

# Fiscal 2020 Capital Budget

# SIDEWALK PROJECTS

## Project: K5066 - FY2014 BICYCLE PLAN PROJECTS

(In Thousands)	Five Year Capital Program										Master Plan			
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	920	450	1,370	200	300	300	300	0	1,100	0	0	0	0	2,470
LAND ACQUISITION	210	100	310	200	300	300	300	0	1,100	0	0	0	0	1,410
CONSTRUCTION	2,401	1,250	3,651	2,200	2,000	2,400	2,400	0	9,000	0	0	0	0	12,651
ADMINISTRATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EQUIPMENT & FURNISHINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>3,531</b>	<b>1,800</b>	<b>5,331</b>	<b>2,600</b>	<b>2,600</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>	<b>11,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,531</b>
BONDS	2,616	1,580	4,196	2,000	2,000	2,400	2,400	0	8,800	0	0	0	0	12,996
DEVELOPER CONTRIBUTION	104	0	104	100	100	100	100	0	400	0	0	0	0	504
GRANTS	711	220	931	500	500	500	500	0	2,000	0	0	0	0	2,931
PAY AS YOU GO	100	0	100	0	0	0	0	0	0	0	0	0	0	100
<b>Total Funding</b>	<b>3,531</b>	<b>1,800</b>	<b>5,331</b>	<b>2,600</b>	<b>2,600</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>	<b>11,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,531</b>

**\$1,051,243 spent and encumbered through February 2019**

**\$764,216 spent and encumbered through February 2018**

**Project Status** Projects Completed in FY19: Wilde Lake Community bike grate replacement.

Ongoing Projects: Pedestrian-Bicycle Improvements: Cedar Ln 100% plans and land acquisition FY18, construction in FY19; North Laurel connections planning and preliminary design; FY16 (MD bikeway grant), 100% design FY19, construction and land acquisition FY20; Bike friendly grates replacements; Bike rack installations through MD Bikeways Grant; Pathway connections through Howard Community College (BikeHoward #10 partial) through MD Bikeways Grant; Automated bike-pedestrian counter installations through Recreational Trails Grant; Dobbin Road-McGaw Road 100% Plans (BikeHoward #56 partial); Robert Fulton Drive pathway preliminary design through MD Bikeways Grant; Columbia Road from Old Annapolis Road to Grey Rock Drive (BikeHoward #19 partial) outreach and design; Oakland Mills Road and Tamar Drive road diet feasibility studies.

Proposed FY20 Projects: Projects from BikeHoward Express.

FY 2019 Budget	3,531	2,700	6,231	1,850	2,200	3,000	3,000	0	10,050	0	0	0		16,281
Difference 2019 / 2020	0	(900)	(900)	750	400	0	0	0	1,150	0	0	0	0	250

# Fiscal 2020 Capital Budget

# RECREATION AND PARKS

## Project: N3957 - FY2003 TROY PARK & HISTORIC REHABILITATION

### Description

A project to acquire an additional 5 acres, rehabilitate an 1820 historic house, and design and construct a 106-acre Regional Park and Community Center| Athletic Complex at MD100 and US1.

### Justification

This project conforms to the goals and objectives of the 1999, 2005, 2012 and 2017 Land Preservation, Parks and Recreation Plan. This park will provide needed recreation facilities for the Elkridge Planning Area. The rehabilitation of the Troy House is endorsed by Preservation Howard County. This project is a key component to the US1 Corridor Revitalization effort.

### Remarks

Prior funds include FY03-\$350,000, FY09-\$150,000, FY10-\$150,000, and FY11-\$455,000 in State Bond Bill Grants. FY03-\$900,000 and FY08-\$500,000 in Program Open Space Land Acquisition Funds. FY11-\$219,000 and FY19-\$485,000 in Program Open Space Development Funds. FY18 - Request includes grant revenue adjustment (\$500,000). \$100,000 (Other Sources) National Park Service funds received due to services not rendered during design of Troy Mansion. FY20 - **\$1,716,000** in Program Open Space Development Grant Funds are allocated for the construction of the restroom, storage building, bleachers and press box for Field #1. Over all Grants will be reduced by \$900,000 due to a Program Open Space acquisition fund adjustment.

### Project Schedule

FY20 - Start the design of the Phase III Maintenance Building and construct the restroom and storage building for field #1 and the pavilion|restroom #3 for existing field #3.

FY26 - Start the Design of the Community Center.

### Operating Budget Impact

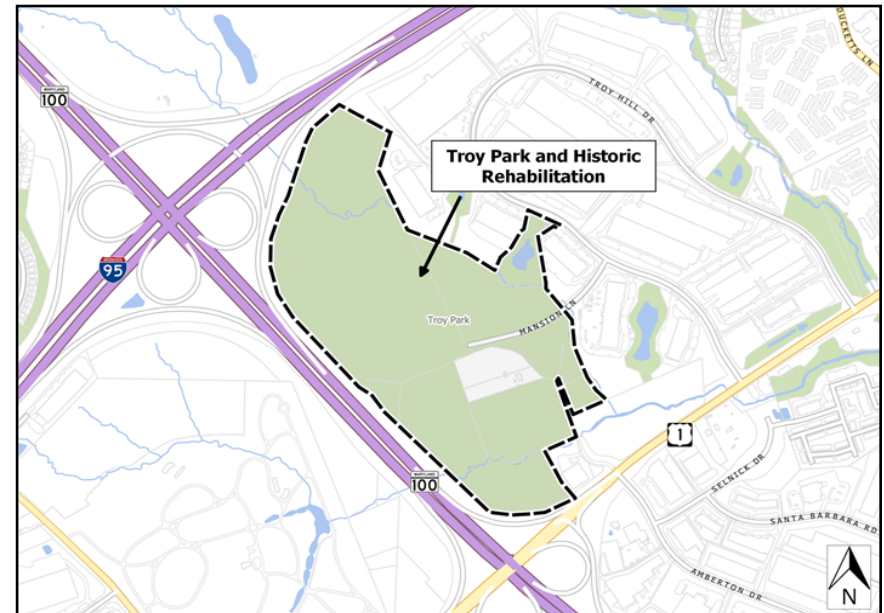
Annual Debt Service - Budget Year :

*Current FY times interest rate*

Annual Debt Service - Total : 903,825

*Total Appropriation times interest rate*

The startup costs for this entire regional park will be \$500,000. Operational cost after construction for each phase is estimated: Phase I - \$20,000, Phase II - \$180,000, and Phase III - \$640,000.



### Explanation of Changes

Budget was reduced from prior year. There was a change in the scope of work to be completed in this project. The Phase IV design was removed from the scope of work due to a possible future High School site.

# Fiscal 2020 Capital Budget

# RECREATION AND PARKS

## Project: N3957 - FY2003 TROY PARK & HISTORIC REHABILITATION

(In Thousands)	Five Year Capital Program									Master Plan				
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	4,965	100	5,065	0	0	0	0	0	0	1,000	0	0	0	6,065
LAND ACQUISITION	1,753	0	1,753	0	0	0	0	0	0	0	0	0	0	1,753
CONSTRUCTION	18,410	716	19,126	2,000	0	0	0	0	2,000	0	0	0	0	21,126
ADMINISTRATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>25,128</b>	<b>816</b>	<b>25,944</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,000</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28,944</b>
BONDS	20,085	0	20,085	0	0	0	0	0	0	1,000	0	0	0	21,085
GRANTS	3,557	816	4,373	2,000	0	0	0	0	2,000	0	0	0	0	6,373
OTHER SOURCES	105	0	105	0	0	0	0	0	0	0	0	0	0	105
TRANSFER TAX	1,381	0	1,381	0	0	0	0	0	0	0	0	0	0	1,381
<b>Total Funding</b>	<b>25,128</b>	<b>816</b>	<b>25,944</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,000</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28,944</b>

**\$22,114,833 spent and encumbered through February 2019**

**\$21,950,887 spent and encumbered through February 2018**

**Project Status** Completed Phase II construction.

FY 2019 Budget	25,128	5,100	30,228	0	4,000	0	0	0	4,000	1,000	0	0		35,228
Difference 2019 / 2020	0	(4,284)	(4,284)	2,000	(4,000)	0	0	0	(2,000)	0	0	0	0	(6,284)

Budget was reduced from prior year due to funding constraints. There was a change in the scope of work to be completed in this project. The Phase IV design was removed from the scope of work due to a possible future High School site.

# Fiscal 2020 Capital Budget

# RECREATION AND PARKS

## Project: N3958 - FY2003 HISTORIC STRUCTURES REHABILITATION

### Description

This project creates a fund for the preservation and rehabilitation of historic properties under the management of the Department of Recreation and Parks. Work may include archaeology studies, historical assessments, design and engineering related to historic buildings, and site improvements.

### Justification

This project is in compliance with the 2005, 2012 and 2017 Land Preservation, Parks and Recreation Plan, and it is endorsed by the Recreation and Parks Advisory Board and Preservation Howard County.

### Remarks

Prior Years in OTHER sources may include revenue from the FY14 sale of the Dobbin property - \$780,000.  
OTHER sources includes revenue from the sale of property development rights for the Belmont property; FY13 - \$1,000,000, FY15 - \$500,000, and FY16 - \$1,740,000.  
Prior Year Grants includes FY14 - \$125,000 State Bond Bill, FY18 - \$30,000 grant adjustment, a \$100,000 Maryland Heritage Areas Authorities Capital Grant for design work for the historic Bernard Fort House located in Ellicott City above Lot F with \$100,000 (T-Tax) match.  
FY20 - Funds address \$80,000 Grant for the augmented reality and virtual reality exhibits at the B&O and an \$80,000 T-Tax match. A \$50,000 State Bond Bill Grant for the Historic Barnard Fort House restoration in Ellicott City and an \$82,500 GO Bond and a \$67,500 T-Tax match. \$335,000 in T-Tax funding for ongoing renovation|improvements on park historic structures| sites.

### Project Schedule

FY20 - Construction  
FY20-25 - Construction Continues

### Operating Budget Impact

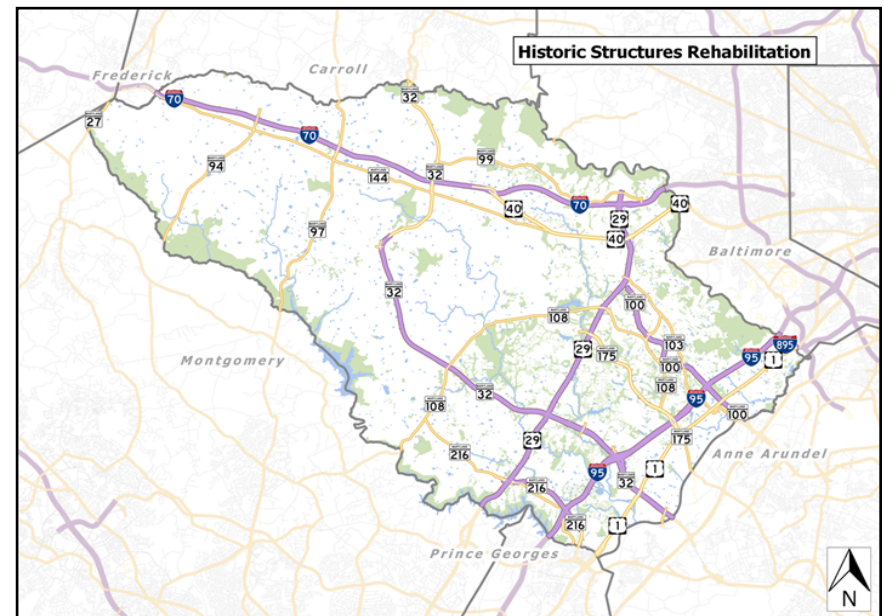
Annual Debt Service - Budget Year : 7,425

Current FY times interest rate

Annual Debt Service - Total : 68,175

Total Appropriation times interest rate

Upon completion of the renovation of a project, operating costs will be determined.



### Explanation of Changes

FY20 - Funds address \$80,000 Grant for the augmented reality and virtual reality exhibits at the B&O and an \$80,000 match, \$50,000 State Bond Bill Grant for the Historic Barnard Fort House restoration in Ellicott City, and a \$50,000 match. The Total Project Cost varies year-to-year due to ongoing projects.

# Fiscal 2020 Capital Budget

# RECREATION AND PARKS

## Project: N3958 - FY2003 HISTORIC STRUCTURES REHABILITATION

(In Thousands)	Five Year Capital Program										Master Plan			
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	700	20	720	20	20	20	20	0	80	0	0	0	0	800
LAND ACQUISITION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSTRUCTION	9,390	775	10,165	480	480	480	480	0	1,920	0	0	0	0	12,085
ADMINISTRATION	75	0	75	0	0	0	0	0	0	0	0	0	0	75
EQUIPMENT & FURNISHINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>10,165</b>	<b>795</b>	<b>10,960</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>0</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,960</b>
BONDS	1,350	165	1,515	0	0	0	0	0	0	0	0	0	0	1,515
GRANTS	360	130	490	0	0	0	0	0	0	0	0	0	0	490
OTHER SOURCES	4,012	0	4,012	0	0	0	0	0	0	0	0	0	0	4,012
PAY AS YOU GO	222	0	222	0	0	0	0	0	0	0	0	0	0	222
TRANSFER TAX	4,221	500	4,721	500	500	500	500	0	2,000	0	0	0	0	6,721
<b>Total Funding</b>	<b>10,165</b>	<b>795</b>	<b>10,960</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>0</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,960</b>

**\$6,531,041 spent and encumbered through February 2019**

**\$5,938,997 spent and encumbered through February 2018**

**Project Status** FY19 - Request addresses funds for ongoing renovations and improvements on park historic structures and sites. \$75,000 Maryland Heritage Area Authority grant with a \$75,000 County match for the Caboose at the Ellicott City B&O Railroad Station Museum and a \$35,000 Maryland Heritage Area Authority grant with a \$35,000 County match for the Diorama at the Ellicott City B&O Railroad Station Museum. Reduce OTHER sources by \$43,000 due to less revenue received from the Dobbin property sale. Reduce Grants by \$70,000 due to only receiving a \$30,000 FY-18 Maryland Heritage Areas Authorities Capital Grant for design work for the historic Barnard Fort House located in Ellicott City above Lot F

FY 2019 Budget	10,165	500	10,665	500	500	500	500	0	2,000	0	0	0	0	12,665
Difference 2019 / 2020	0	295	295	0	0	0	0	0	0	0	0	0	0	295

FY20 - Funds address \$80,000 Grant for the augmented reality and virtual reality exhibits at the B&O and an \$80,000 match, \$150,000 State Bond Bill Grant for the Historic Barnard Fort House restoration in Ellicott City and a \$50,000 match .

# Fiscal 2020 Capital Budget

# RECREATION AND PARKS

## Project: N3978 - FY2018 PARKLAND ACQUISITION PROGRAM

### Description

This project establishes a fund for County-wide park land acquisition and related expenses. This project allows the County to move quickly to acquire land which becomes available, and satisfies one or more of the following objectives: addresses State and County Greenway objectives, protects sensitive natural resources threatened by development, acquire additional land adjacent to existing parks, and or satisfies park and open space needs as identified in the Departments 2017 Land Preservation, Parks and Recreation Plan (LPPRP).

### Justification

This project has been endorsed by the Recreation and Parks Advisory Board and is supported by the 2005, 2012 and 2017 Land Preservation, Park and Recreation Plan.

### Remarks

1. Prior Year - Acquire additional park land and County and State greenway property in accordance with our Land Preservation, Parks and Recreation Plan (LPPRP). Provide Program Open Space (POS) Acquisition funding for POS approved projects. FY18 - \$80,000 request Program Open Space funds for future Land Preservation, Parks and Recreation Plan and land acquisition and remaining fund request addresses funds for appraisals and environmental studies.
2. FY19 - Request addresses \$50,000 for acquisition incidentals such as appraisals and environmental studies. \$1,394,569 for FY19 Program Open Space acquisition funds received. \$2,010,000 in Program Open Space and \$750,000 in Other Sources (Open Space Fee-in-Lieu) funding prior to FY19, that is being transferred from the old Parkland Acquisition Program Capital Project N3103.
3. FY20 - \$319,000 reduced from Other Sources and added to N3103 for final adjustment to allow for closure of N3103. **\$1,717,000 added for State Program Open Space funding.**

### Project Schedule

FY20 - Land Acquisition and Development Continues

### Operating Budget Impact

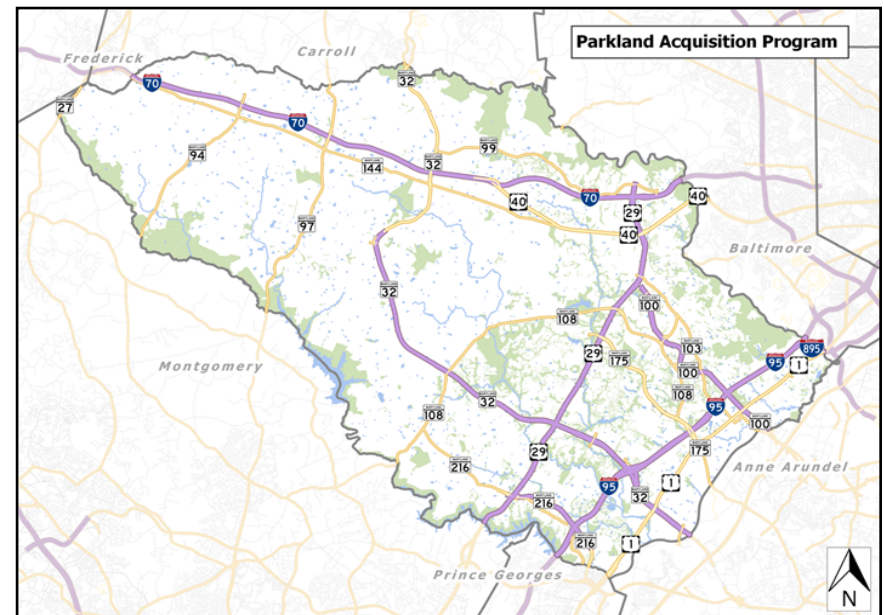
Annual Debt Service - Budget Year :

*Current FY times interest rate*

Annual Debt Service - Total :

*Total Appropriation times interest rate*

Operating costs of woodland and natural areas are absorbed within current operational budgets. Developed park areas are maintained at an average cost of \$3,900 per acre per year.



### Explanation of Changes

\$319,000 reduced from Others and added to N3103 for final adjustment to allow for closure of N3103. The Total Project Cost varies year-to-year due to the change in funding that we receive in State Program Open Space funding.



# Fiscal 2020 Capital Budget

# RECREATION AND PARKS

## Project: N3978 - FY2018 PARKLAND ACQUISITION PROGRAM

(In Thousands)	Five Year Capital Program									Master Plan				
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	100	50	150	50	50	50	50	50	250	0	0	0	0	400
LAND ACQUISITION	4,610	1,398	6,008	2,000	2,000	2,000	1,950	1,950	9,900	0	0	0	0	15,908
<b>Total Expenditures</b>	<b>4,710</b>	<b>1,448</b>	<b>6,158</b>	<b>2,050</b>	<b>2,050</b>	<b>2,050</b>	<b>2,000</b>	<b>2,000</b>	<b>10,150</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,308</b>
GRANTS	3,860	1,717	5,577	2,000	2,000	2,000	2,000	2,000	10,000	0	0	0	0	15,577
OTHER SOURCES	750	(319)	431	0	0	0	0	0	0	0	0	0	0	431
TRANSFER TAX	100	50	150	50	50	50	0	0	150	0	0	0	0	300
<b>Total Funding</b>	<b>4,710</b>	<b>1,448</b>	<b>6,158</b>	<b>2,050</b>	<b>2,050</b>	<b>2,050</b>	<b>2,000</b>	<b>2,000</b>	<b>10,150</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,308</b>

**\$95,311 spent and encumbered through February 2019**

**\$0 spent and encumbered through February 2018**

**Project Status** Purchased Downy property.

FY 2019 Budget	4,710	1,050	5,760	1,050	1,050	1,050	0	0	3,150	0	0	0		8,910
Difference 2019 / 2020	0	398	398	1,000	1,000	1,000	2,000	2,000	7,000	0	0	0	0	7,398

\$319,000 reduced from Other Sources and added to N3103 for final adjustment to allow for closure of N3103. \$1,717,000 was added for State Program Open Space funds

# Fiscal 2020 Capital Budget

# TRAFFIC PROJECTS

## Project: T7105 - FY2011-SIGNALIZATION PROGRAM

(In Thousands)	Five Year Capital Program									Master Plan				
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
CONSTRUCTION	2,360	440	2,800	1,000	1,000	1,000	1,000	0	4,000	0	0	0	0	6,800
<b>Total Expenditures</b>	<b>2,360</b>	<b>440</b>	<b>2,800</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>	<b>4,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,800</b>
BONDS	1,300	600	1,900	1,000	1,000	1,000	1,000	0	4,000	0	0	0	0	5,900
GRANTS	160	(160)	0	0	0	0	0	0	0	0	0	0	0	0
EXCISE TAX BACKED BONDS	900	0	900	0	0	0	0	0	0	0	0	0	0	900
<b>Total Funding</b>	<b>2,360</b>	<b>440</b>	<b>2,800</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>	<b>4,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,800</b>

**\$2,054,685 spent and encumbered through February 2019**

**\$1,526,104 spent and encumbered through February 2018**

**Project Status** Under Construction: LPP at Symphony Woods (reconstruct – summer 2019), LPP at Rouse (reconstruct – summer 2019), Oakland Mills(OM) at Homespun (reconstruct – summer 2019), Harpers Farm (HF) at Eliots Oak (reconstruct – summer 2020), HF at Cedar (reconstruct fall 2020), Cedar at Hickory Ridge (HR) (reconstruct – fall 2020), LPP at Cedar (reconstruct – fall 2020), Rogers at Town and Country (reconstruct – Spring 2021), Twin R at Cross Fox (reconstruct – Spring 2021), Snowden River (SR) at OM (reconstruct – fall 2021), SR at Berger|Carved Stone (reconstruct - fall 2021), Upgrade to fiber optic and cellular modem communication (underway), Various detection upgrade|replacement (ongoing), Change to traffic signal operating software  
 In Design: LPP at Governor Warfield (partial reconstruct), Dobbin at OM(reconstruct), OM at Oak Hall (APSADA),. Centre Park Drive at Executive Drive (future signal), Various APS upgrades as needed.  
 Construction Complete: SR timing optimization from BLP to McGaw (complete - fall 2018), Guilford Road at Eden Brook Drive (reconstruct - fall 2018), Murray Hill at Guilford (APS – summer 2018), Twin Rivers Road at HF (ADAAPS – fall 2018), Main St timing optimization (completed fall 2017).

FY 2019 Budget	2,360	300	2,660	300	300	300	0	0	900	0	0	0		3,560
Difference 2019 / 2020	0	140	140	700	700	700	1,000	0	3,100	0	0	0	0	3,240

Project schedule|funding changed due to funding constraint.

# Fiscal 2020 Capital Budget

# TRAFFIC PROJECTS

## Project: T7107 - FY2014 DOWNTOWN COLUMBIA PATUXENT BRANCH TRAIL EXTENSION

(In Thousands)	Five Year Capital Program										Master Plan			
	Prior Appr.	FY2020 Budget	Appr. Total	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025	Sub Total	Fiscal 2026	Fiscal 2027	Fiscal 2028	Fiscal 2029	Total Project
PLANS & ENGINEERING	275	300	575	0	0	0	100	0	100	0	0	0	0	675
CONSTRUCTION	0	0	0	3,300	0	0	0	0	3,300	0	0	0	0	3,300
<b>Total Expenditures</b>	<b>275</b>	<b>300</b>	<b>575</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>3,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,975</b>
BONDS	45	300	345	285	0	0	100	0	385	0	0	0	0	730
DEVELOPER CONTRIBUTION	50	0	50	0	0	0	0	0	0	0	0	0	0	50
GRANTS	180	0	180	3,015	0	0	0	0	3,015	0	0	0	0	3,195
<b>Total Funding</b>	<b>275</b>	<b>300</b>	<b>575</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>3,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,975</b>

**\$205,688 spent and encumbered through February 2019**

**\$90,039 spent and encumbered through February 2018**

### Project Status

FY14 - Feasibility study-complete.

FY17 - Phase I preliminary design completed (MD Bikeway Grant).

FY19 - Phase I 60% design (MD Bikeway Grant).

FY 2019 Budget	275	0	275	3,350	0	0	0	0	3,350	0	0	0		3,625
Difference 2019 / 2020	0	300	300	(50)	0	0	100	0	50	0	0	0	0	350