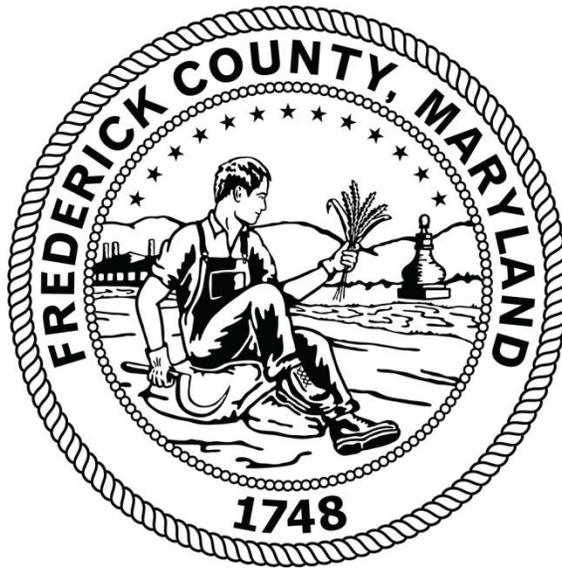


FREDERICK COUNTY

APPROVED CAPITAL IMPROVEMENT PROGRAM FISCAL YEARS 2018 – 2023



JULY 2017

**FREDERICK COUNTY
CAPITAL IMPROVEMENT PROGRAM
FISCAL YEARS 2018 – 2023**

TABLE OF CONTENTS

	<u>Page</u>
Introduction	1
Summaries	7
Projects:	
General Government	15
Water & Sewer	65
Solid Waste	85
Parks & Recreation	87
Watershed Restoration	105
Roads	121
Bridges	129
Highways	139
Frederick Community College	149
Board of Education	161
Municipalities	179
Appendices:	
Policies	185
Index	189

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INTRODUCTION

The approved six year Capital Improvement Program (CIP) for fiscal years 2018 – 2023 is hereby presented.

Only projects that meet the definition of a capital improvement are included in the CIP. Capital improvements are defined as:

- will add to the government’s public infrastructure OR
- will result in a major repair of a fixed asset that significantly adds to or preserves the life of the original asset OR
- will establish or enhance internal computer/program systems. This excludes routine expenses such as maintenance, license renewals, etc.

The project will also have an individual project cost totaling \$100,000 or more. Projects of less than \$100,000 will only be permitted when required for State or Federal funding; and multiple projects in a single category, totaling \$100,000 or more, will also be considered if they meet all other characteristics.

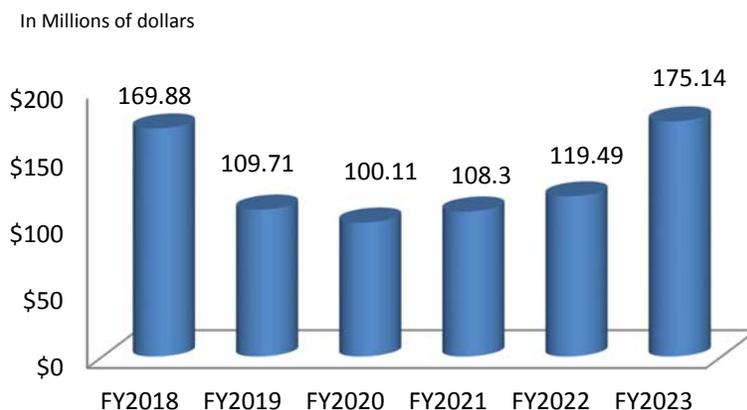
Acquisition of land for future projects (land banking) will be eligible when it has been identified as a need in the six-year CIP, in the County Comprehensive Plan, or when it can be shown as necessary and based on recent growth trends.

Municipal projects will be considered if the project is not exclusively for municipal residents or if the project is a cooperative effort by municipal, county and/or state agencies.

The approved CIP was able to identify full or partial funding for 115 projects that totaled \$782,631,200.

In order to balance priorities and funding some projects had to be pushed back from what was requested and from last year’s approved timing.

CATEGORY	APPROVED
General Government	\$ 164,957,386
Water and Sewer	83,610,750
Solid Waste	0
Parks & Recreation	44,665,504
Watershed Restoration	40,413,632
Transportation	154,344,602
Community College	25,726,675
Board of Education	264,926,524
Municipalities	3,986,127
Total	782,631,200



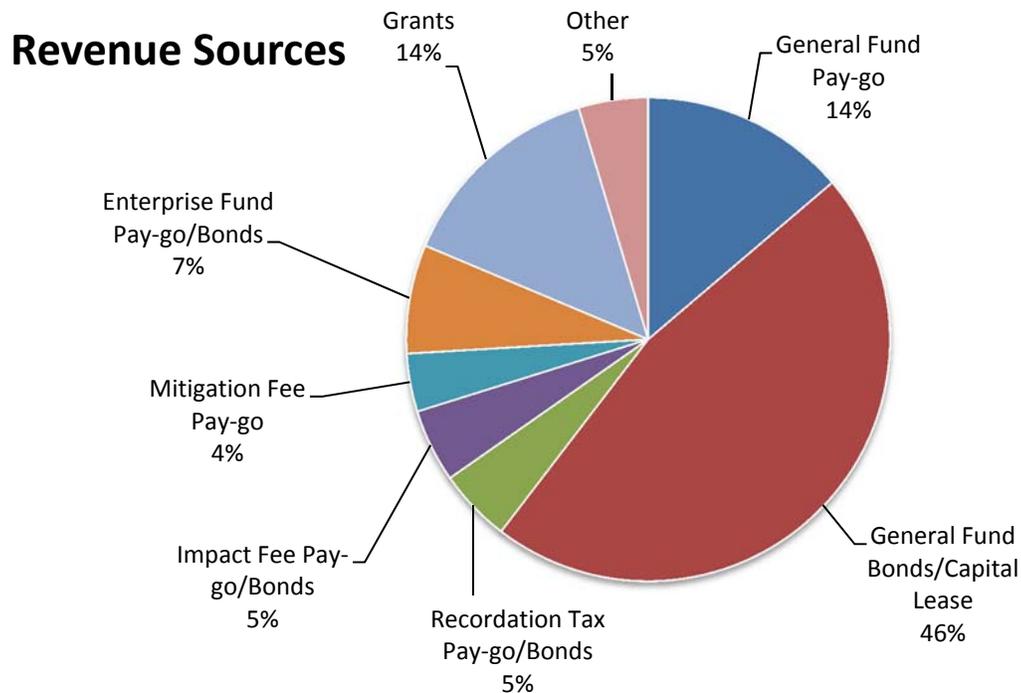
REVENUE SOURCES

Funding for the Capital Improvement Program comes from many sources, primarily pay-go (general fund, recordation tax, and impact fee), bonds (general fund, recordation tax, and impact fee), enterprise user fees, state & federal grants and developer participation. Many of the revenue sources are slowly increasing in FY2018 and in the remaining years. However, balancing the cash needs with available debt affordability will continue to have an impact on the CIP.

APPROVED

General Fund*	\$ 107,238,052
General Fund Bonds/Lease	363,002,673
Recordation Taxes - Parks	14,629,205
Recordation Tax Bonds - Parks	11,123,978
Recordation Taxes - Schools	12,298,682
Recordation Tax Bonds - Schools	4,000,000
Impact Fees - Library	3,693,958
Impact Fees -Schools	29,416,346
Impact Fee Bonds -Schools	5,000,000
Mitigation Fees - Schools	30,226,555
Enterprise Fund Pay-go	7,929,048
Enterprise Fund Bonds	48,723,880
Grants - State	102,209,739
Grants - Federal	6,933,203
Cash - State Forward Fund	7,659,761
Other	28,546,120
Total	\$ 782,631,200

*Includes \$733 thousand from reserve funds



Adopted CIP Policies require the County to attempt to budget as pay-go for capital improvements an amount equal to 7% of General Fund operating revenues. General Fund, impact fee, and recordation pay-go are considered in total in meeting this goal. The FY18-23 CIP does not have pay-go funding allocated to meet this goal for the 6-year period or any of the years individually, except FY2018.

With the adoption of the FY2018 General Fund operating budget, \$14.9 million is allocated to the Capital Budget. The \$14.9 million represents 2.5% of General Fund operating revenue. Approximately \$92.4 million is projected for the remaining five years of the CIP. (These figures are exclusive of the reserve funds)

Since 1993, Impact Fees have provided additional revenue to address public school construction needs. Impact fees to aid library construction were added in 2001. These fees are levied upon newly constructed housing units throughout the County and are applied directly toward the funding of school and library projects and the debt service on impact fee bonds. Impact fee revenue, is projected based on the following: for a single family home, the school impact fee will be \$14,747 and the library impact fee will be \$768.

Approximately 53% of the current school impact fees collected are committed to the payment of Impact Fee Bond debt service. Over the FY 2018-2023 period, school impact fees are projected to generate \$85.1 million. During this same period library impact fees are estimated to generate \$4.6 million. Over the six year program, approximately \$29.4 million in pay-go is allocated for new or expanded elementary construction projects and \$3.7 million in pay-go is allocated for new or expanded library construction projects.

In 2001, a Building Excise Tax was levied to finance public road and bridge projects. Revenue derived from the Building Excise Tax may be used on County roads as well as State roads. However, the County must match money expended from the building excise tax with funds from other sources. In November 2011, the rate was reduced to \$0.00 and the remaining building excise tax revenue is allocated to fund road and bridge projects.

As of 2000, a percentage of the proceeds from Recordation taxes have been dedicated to Parks and Recreation capital projects. For the 2018-23 CIP time frame the percentage rate is set at 12.5%. Over the six year program, approximately \$14.6 million in pay-go and \$11.1 million in bonds from Recordation Tax proceeds are allocated to fund acquisition and development of recreational and open space land.

In late FY 2007, an additional percentage of the proceeds from Recordation taxes were dedicated for pay-go and debt service to support school construction. For the 2018-23 CIP time frame the percentage rate is set at 16.67%. Over the six-year program, approximately \$26.9 million from Recordation Tax proceeds will be used to pay debt service on recordation bonds issued for school construction. In addition, \$12.3 million in pay-go and an additional \$4.0 in bonds are allocated to fund school construction.

State and Federal Grants are another source of CIP funding. Approximately \$109.1 million is projected to be available to fund various projects. Of this, \$102.2 million is projected to be forthcoming from the State, most of which is funding for school construction projects.

Enterprise fees, generated within the Water & Sewer and Solid Waste enterprise funds, are the primary funding source for projects within these program areas. In addition, general obligation bonds are also issued, with the debt service paid by these enterprise fees. \$7.9 million in pay-go and \$48.7 million in bonds are allocated in the FY18-23 CIP.

In addition to the previously identified revenue sources, a significant resource (as an alternative to raising taxes) available to the County to produce supplemental revenue is the issuance of General Fund general obligation bonds. This revenue source is the equivalent of borrowing future money, at a fixed rate of interest, for the purpose of paying today's bills. This source of funding is used for capital expenditures that have a long-term useful life and thus the use of the future funds to pay for them is appropriate.

The authority for the issuance of general obligation bonds is granted through enactment of legislation by the County Council. In order to establish a safe level of debt, the County commissioned a study, which facilitated the establishment of a Debt Affordability limit. This limit assists in the establishment of sound fiscal management policies for the County, and helps to ensure the maintenance, or possible improvement, of the County's credit rating. In June 2016, the County's bond rating was reviewed by Standard and Poor's, Fitch, and Moody's Investors Service, Inc., which resulted in sustaining AAA, AAA, Aaa ratings respectively.

The Debt Affordability Limits Study recommended the use of Debt Affordability standards, and the following are being used:

- General Fund G.O. debt service, as a percentage of General Fund revenue, should be limited to 9.0%
- General Fund debt, as a percent of assessed valuation, should be limited to 2.0%
- General Fund debt, as a percent of General Fund Revenue, should be limited to 80.0%
- Total G.O. debt service, as a percent of General Fund Revenue, should be limited to 17.2%

The Debt Affordability model assumes the County's annual population growth rate between 1.1% and 1.2%, an assessed valuation growth rate between 3.0% and 4.0%, annual revenue growth in General Fund Revenues between 2.8% and 4.3%, and an interest rate of 5.00% on new debt. The Debt Affordability model projects a total six-year General Fund debt capacity of \$368.8 million for the period FY18-FY23.

Debt Issuance for General Government Purposes
 Projected General Fund Debt Affordability
 Vs.
 Updated CIP Projects for FY2018-FY2023
 (\$ millions)

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Total Debt Cap
Affordable Debt	99.88	73.68	55.02	47.87	53.26	39.15	368.86
Updated Debt	46.59*	73.80*	62.04*	47.23*	36.02*	122.38*	388.06
Cumulative Excess (Deficit)	53.29	53.17	46.15	46.79	64.03	(19.20)	(19.20)

*adjusted for deficiency in pay-go funding which would need to be supplemented with debt funding

As the table above shows, Part 1 – CIP update submission for Capital funds was not within the County’s ability to meet the needs and still remain within the established Debt Affordability. Therefore some projects were delayed.

Debt Issuance for General Government Purposes
 Projected General Fund Debt Affordability
 Vs.
 Approved FY2018-FY2023 CIP
 (\$ millions)

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Total Debt Cap
Affordable Debt	99.88	73.68	55.02	47.87	53.26	39.15	368.86
Approved Debt	65.43	65.03	52.68	56.68	55.18	68.00	363.00
Cumulative Excess (Deficit)	34.45	43.10	45.44	36.63	34.71	5.86	5.86

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**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED**

SUMMARY - ALL PROJECTS

PROJECT	6-Year **						Costs After			
	Approved	Total Project	Prior Budget	2018	2019	2020		2021	2022	2023
General Government	164,957,386	244,098,361	30,173,599	20,297,503	20,593,597	15,660,950	20,344,158	42,754,736	45,306,442	48,967,376
Water and Sewer	83,610,750	118,687,132	31,671,000	20,002,750	1,228,000	2,640,000	254,000	5,670,000	53,816,000	3,405,382
Solid Waste	0	0	0	0	0	0	0	0	0	0
Parks & Recreation	44,665,504	58,786,785	10,265,721	1,958,324	19,234,957	2,230,883	8,459,827	2,142,690	10,638,823	3,855,560
Watershed Restoration and Retrofit	40,413,632	69,626,965	6,213,333	8,411,951	8,269,648	6,482,033	5,750,000	5,750,000	5,750,000	23,000,000
Roads	30,751,684	65,766,082	12,199,498	1,191,484	16,657,000	7,482,000	1,164,900	934,500	3,321,800	22,814,900
Bridges	6,498,700	12,251,200	3,929,700	815,900	461,700	1,361,800	2,424,700	1,324,600	110,000	1,822,800
Highways	117,094,218	159,680,446	42,586,228	23,030,786	21,430,032	20,335,600	17,432,600	17,432,600	17,432,600	0
Community College	25,726,675	57,411,128	31,684,453	4,882,425	6,528,750	2,497,000	10,318,500	750,000	750,000	0
Board of Education	264,926,524	464,565,867	130,219,807	85,991,383	15,217,443	40,926,108	42,065,115	42,714,155	38,012,320	69,419,536
Municipalities	3,986,127	9,525,148	5,539,021	3,300,000	90,489	489,069	89,069	17,500	0	0
Total Expense	782,631,200	1,260,399,114	304,482,360	169,882,506	109,711,616	100,105,443	108,302,869	119,490,781	175,137,985	173,285,554
FUNDING										
General Fund*	107,238,052	236,967,210	53,566,292	16,558,069	17,962,179	18,019,142	17,403,252	18,535,025	18,760,385	76,162,866
General Fund Bonds & Capital Lease*	363,002,673	544,938,177	127,851,698	65,428,354	65,037,651	52,677,843	56,680,930	55,185,075	67,992,820	54,083,806
Recoradation Tax & Bonds	42,051,865	64,249,589	16,997,724	2,037,833	11,990,183	6,025,535	9,898,195	6,152,306	5,947,813	5,200,000
Impact Fee & Bonds	38,110,304	48,251,804	5,852,894	18,434,069	0	4,000,000	2,943,766	6,319,525	6,412,944	4,288,606
School Mitigation Fee	30,226,555	30,226,555	0	12,866,000	2,660,000	0	2,700,555	5,000,000	7,000,000	0
Excise Tax	0	2,073,492	2,073,492	0	0	0	0	0	0	0
Enterprise Fee & Bonds	56,652,928	60,238,886	1,699,340	4,771,750	2,180,298	0	261,000	4,769,100	44,670,780	1,886,618
Grants	109,142,942	181,358,056	66,244,614	15,184,431	20,268,055	14,758,957	21,298,312	24,150,520	13,482,667	5,970,500
Other	36,205,881	92,095,345	30,196,306	34,602,000	(10,386,750)	4,623,966	(2,883,141)	(620,770)	10,870,576	25,693,158
Total Funding Source	782,631,200	1,260,399,114	304,482,360	169,882,506	109,711,616	100,105,443	108,302,869	119,490,781	175,137,985	173,285,554

* Includes funding to/from "appropriation for future years"
 ** 6-Year Approved is the sum of FY2018 through FY2023

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PROJECT SUMMARY

Summary of Changes

Project #	PUBLIC SAFETY (General Government) Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
GG1010	*PSTF Master Plan		2018, Study	Funded study in FY2018 as requested
GG1027	Hayward Road Fire Station	2019	2019	No change
GG1028	Green Valley Fire Station at Monrovia Town Center	2023	2020	Funded construction in FY2020 as requested
GG1080	SCBA Replacement	2022	Out Years	Delayed as requested
GG1082	Fire Rescue portable radio replacement and enhancement	2019/22/23	2018/22/23	Funded request to move forward the first year of funding
GG1083	Advanced Life Support Cardiac Monitors	Out Years	Out Years	No Change
GG1084	DFRS Records Management System	2018	2018	No Change
GG1098	Fire Apparatus and Vehicle Replacement	On-Going	On-Going	No Change
GG1105	Adult Detention Center Storage Building	2023	Beyond	Delayed in order to fund the design of the ADC Infrastructure Rehab project
GG1106	ADC Phase IV Addition and Medical Unit	2022	2022	Funded scope change as requested; now includes an expansion for general inmate housing; design is in FY2019
GG1107	*ADC Infrastructure Rehabilitation		2023; Design	Funded design in FY2023 as requested
GG1152	Sheriff's Office In-Car Video Cameras	2018	2018	No change
GG1154	*Surveillance Van	2018	2018	Funded purchase in FY2018 as requested
GG1155	*LEC Security Project	2018	2018	Funded construction in FY2018 as requested
GG1194	Urbana tower site	Out Years	Out Years	No Change
GG1195	Communications Support Vehicle	2022	2022	No Change
GG1196	Radio system SCADA upgrade	2019	2019	No Change
GG1197	Radio system capacity enhancement	2021	2021	No Change

Project #	MISCELLANEOUS BUILDINGS AND SYSTEMICS (General Government) Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
GG2010	300 Scholl's Lane Renovation	2018	2018	No Change
GG2016	Work Force Services to Alternate Location	Prior	Prior	Provided additional funds to complete the project
GG2019	Courthouse Capacity Improvements Project	2023	2023	No Change
GG2020	Sagner Ave Renovations	Prior	Prior	Provided additional funds to complete the project
GG2030	Public Safety Training Facility Maintenance Shop and Garages	2023	2023	No Change
GG2031	Montevue Campus Refueling Station	2022	2022	No Change
GG2032	Health Department Parking Expansion	2018	2018	No Change
GG2033	Transit Facility Expansion	2018	2018	Funded scope change to include a bus shed and removal of fuel island; project is 90% grant funded
GG2034	Pine Avenue Maintenance Complex Renovations	2022	2022	Did not fund scope change; construction remains in FY2022
GG2035	*331 Montevue Expansion		2018, Study	Funded study in FY2018 as requested
GG2036	*Building and Space Utilization		2019, Study	Funded study in FY2019 as requested
GG4199	Maintenance Systemics - General	On-Going	On-Going	Added Funds to FY2018 but did not any other additional funds

* Denotes "New" project

Summary of Changes

Project #	LIBRARY (General Government) Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
GG3003	Walkersville Library	Prior	Prior	Funding for equipment and opening day collection is in FY2018
GG3004	Myersville Library	2019	2019	No Change
GG3005	Middletown Library	2023	2022	Funded request to move project forward 1 year
GG3006	*Linganore Town Center Library		2023; Design	Funded design in FY2023 as requested

Project #	TECHNOLOGY (General Government) Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
GG5001	IIIT Systemics- General	On-Going	On-Going	Added Funds to FY2018 but did not any other additional funds
GG5005	LEAPS	On-Going; 2019/20	On-Going; 2020/21	Delayed new system procurement (FY2019/20) 1 year as requested
GG5006	Enterprise GIS FY09 ongoing	On-Going	On-Going	No Change
GG5007	ERP System- Software	Prior	Prior	Provided additional funds to complete the project
GG5008	Financial System FY09 ongoing	On-Going	On-Going	No Change
GG5009	Land Management	On-Going; 2018/19	On-Going; 2018/19	No Change
GG5010	EAM & Fleet Mgt System - Software	2018	2019	Delayed as requested
GG5015	Treasury System	On-Going	On-Going	No Change
GG5080	Video Services On-going Replacement/Upgrade	On-Going	On-Going	Provided additional funds as requested; separated from IIIT Systemics - General

Project #	WATER/SEWER Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
WS1001	Ballenger-McKinney WWTP Sludge Management	2022	2023	Delayed as requested since the need has not built up as quickly as projected
WS1002	Sewerage Problem Area Remediation	Out Years	Out Years	No Change
WS1012	Linganore Interceptor 1 - Lower Reach	Out Years	Out Years	No Change
WS1013	Linganore Interceptor 2 - Upper Reach	Out Years	Out Years	No Change
WS1023	Monrovia Water Storage Tank 2	2020	2020	No Change
WS1027	Ballenger Elevated Water Tank painting	2018	2018	No Change
WS1028	Developer-Funded Infrastructure	On-Going	On-Going	
WS1032	Lewistown Wastewater Treatment Plant Improvements	Prior	Prior	Provided additional funds to complete the project
WS1033	Lewistown Wastewater Collection System	2018	2018	No Change
WS1034	Grease Receiving Station at Ballenger-McKinney WWTP	2019	2019	No Change
WS1035	Truck Scale at New Design Water Treatment Plant	2022	2022	No Change
WS1036	Route 355 Water Main Relocations	Prior	Prior	Provided additional funds to complete the project
WS1037	*Raw Water Intake and Pump Station Improvements		2018	Funded construction in FY2018 as requested
WS1038	*Crestview Sewer Replacement		2018	Funded construction in FY2018 as requested
WS1039	*Route 180 Sewer Relocation (Jefferson)		2018	Funded construction in FY2018 as requested
WS1040	SHA Utility Relocations		2018	Provided funds for a new location
WS1041	*Summerfield SPS elimination & sewer extension		2018	Funded construction in FY2018 as requested

* Denotes "New" project

Summary of Changes

Project #	Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
PARKS AND RECREATION				
PR0001	Acquisition	On-Going	On-Going	No Change
PR1026	Old National Pike DP - Ph 2	2023	2023	No Change
PR1028	Middletown CP Development & Rehab	2021	2021	No Change
PR1031	Point of Rocks Regional Park	2021; Master Plan	2019; Master Plan	Did not fund the design in FY2023 but the master plan is in FY2019
PR1032	Utica DP - Phase 2	2019	2019	Funded scope change as requested
PR1033	*Rose Hill Exhibit and Storage Barn		2023	Funded project in FY2023
PR2000	Parks Systemic	On-Going	On-Going	No Change
PR2009	Ballenger Creek Park Maintenance Area & Widrick House Rehabilitation	2022; Study	2022; Study	No Change
PR3001	Bikeways/Trails Program	Various	Delay	Delayed all funding 1 year as requested
PR3005	Bridgeport Monocacy River Access	2022; Master Plan	2022; Master Plan	No Change
PR3006	*Rocky Ridge Landing Monocacy River Access		2020; Master Plan	Funded master plan in FY2020
PR3501	Park Schools	Various	Various	Per timing of recommended schools
PR8002	South County YMCA, Indoor Pool Partnership	Various	Various	Additional contribution

Project #	Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
WATERSHED RESTORATION				
WR1026	County-Owned Stormwater Facility Retrofits	2018-2020	2018-2020	No Change
WR1034	Point of Rocks Stream Restoration	2018	2018	No Change
WR1035	Point of Rocks Pond Retrofit	2019	2019	No Change
WR1036	Little Hunting Creek Stream Restoration Phase 1	2018	2018	No Change
WR1037	Little Hunting Creek Stream Restoration Phase 2	2020	2020	No Change
WR1038	Little Hunting Creek Stream Restoration Phase 3	2020	2020	No Change
WR1039	Reforestation Program	2018-2020	2018-2020	No Change
WR1040	Point of Rocks Bioswales & Bioretention	2018	2018	No Change
WR1041	*Engladowne Bioswale (Upper Reach)		2019	Funded construction in FY2019 as requested; project needed to meet requirements
WR1089	*Open Section Road Field Verification		2018	Funded construction in FY2018 as requested; project needed to meet requirements
WR1099	Watershed Systemics	2021-2023	2021-2023	Provided additional funds based on current year trends

* Denotes "New" project

Summary of Changes

ROADS		Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
Project #	Project Name				
RD1052	Boyers Mill Road	2019	2019	No Change	
RD1061	Reichs Ford Road - Ph 2	Out Years	Out Years	No Change; study is in FY2023	
RD1064	Yeagertown Road	Out Years	Out Years	No Change	
RD1065	Reels Mill Road - Ph 2	2023	2023	No Change	
RD1067	Gas House Pike (from the City Limits to Boyers Mill Road)	2020	2020	No Change	
RD1068	Christopher's Crossing Widening	Out Years	Out Years	No Change; design is in FY2021	

BRIDGES		Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
Project #	Project Name				
BR1029	Gas House Pike Bridge	Prior	Prior	Provided additional funds to complete the project	
BR1032	Brethren Church Rd Br	2022	2022	No Change	
BR1033	Hessong Bridge Road Bridge	2021	2021	No Change	
BR1036	Hoovers Mill Road Bridge (No. 15-11)	2020	2020	No Change	
BR1037	Hornets Nest Road Bridge (No. 05-22)	2021	2021	No Change	
BR1049	*Stottlemeyer Road Bridge F06-01 Deck Replacement		2022,Design	Did not fund request for construction in FY2022 but funded the design in FY2022	
BR1051	Replacement of Old Mill Road Bridge No. F04-09	Out Years	Out Years	No Change; design is in FY2022	

HIGHWAYS		Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
Project #	Project Name				
HW1001	Pavement Mgmt Pgm FY09-ongoing	On-Going	On-Going	Did not provided additional funds but slid \$2.0 million forward from FY2019 to FY2018	
HW1050	Highway Network Systemic - General	On-Going	On-Going	Provided some additional funds	
HW1090	Sidewalk Retrofit Program	Various	Various	No Change	
HW1100	Road Signalization FY09 ongoing	On-Going	On-Going	No Change	
HW3004	Roads Satellite Facilities #3	2020/21	2018/2019	Funding for project was moved forward	
HW3005	Urbana Satellite Yard	2019	2019	No Change	
HW9002	*MD 85 Improvements		MOU	Funded payment per MOU	

* Denotes "New" project

Summary of Changes

Project #	Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
COMMUNITY COLLEGE				
FC2005	Building J Reconfiguration	2021	2018	Funded construction in FY2018 as requested and split apart from the joint Bldg J and L renovation project
FC2006	Linganore Hall Reconfiguration Conversion	2021	2021	No Change
FC2007	*Building E - Addition/Renovation	On-Going	2019	Funded construction in FY2019 as requested
FC5007	Technology Upgrade	On-Going	On-Going	Re-aligned funding per year
FC5008	Classroom Technology Upgrades	On-Going	On-Going	No Change
FC5012	FCC Systemics	On-Going	On-Going	Provided additional funds and reallocated other project surpluses to the project

Project #	Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
BOARD OF EDUCATION				
ED1009	Waverley ES: Addition	2021	2022	Delayed construction to FY2022 as requested
ED1013	Sugarloaf ES: New	2018	2018	No Change
ED1017	Urbana ES: Replacement	2020	2020	No Change
ED1023	Butterfly Ridge ES: New	2018	2018	No Change
ED1024	Middletown MS: Renovation	Out Years	Out Years	No Change; study is in FY2019 and the design is in FY2022
ED1025	Liberty ES: Modernization	Out Years	Out Years	No Change; study is in FY2019 and the design is in FY2022
ED1030	East County area ES: New	2023	2023	No Change
ED1040	Rock Creek School: Replacement	Out Years	2021	Funded construction in FY2021 as requested
ED5001	Systemics - Generic	On-Going	On-Going	No Change
ED7010	Portable Classrooms	On-Going	On-Going	No Change

Project #	Project Name	CIP Approved Construction Year	Approved Construction Year	Notes
MUNICIPALITIES				
MP1001	Frederick Municipal Airport	Various	Various	Provided additional funds
MP1011	Monocacy Blvd	MOU	MOU	No Change
MP1012	Yellow Springs Rd Bridge	MOU	MOU	No Change
MP1201	*Moser Rd Sidewalk		2018	Provided a contribution to the project

* Denotes "New" project

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GENERAL GOVERNMENT

GENERAL GOVERNMENT

The following projects include several different areas of government, such as public safety (both fire and police), public libraries, and the Courthouse. The projects also focus on maintaining assets with many systemic renovations.

Fire/Rescue

- Fire Stations – A new station at Hayward Road is scheduled for construction funding in FY19 and construction funding for a new station in the Green Valley/Monrovia area is scheduled in FY20.
- Portable Radio Replacement and Enhancement – phases in replacement of existing radios and will enhance communication capabilities with surrounding counties that operate on different systems
- Advance Life Support Cardiac Monitors – reflects on-going replacement needs in the out years
- Apparatus and Vehicle Replacement – this project will allow the county to establish a plan to replace Fire/Rescue apparatus
- A records management software system – Is funded in FY2018 and will provide input, management, and reporting of data and background information, including call statistics, budget information, personnel figures, staffing reports, apparatus, and maintenance reports



Pumper Fire Engine

Sheriff Office

- Adult Detention Center phase 4 addition and medical center – will construct a 30,000 s.f. two-story addition with mezzanine, to the Frederick County Adult Detention Center, consisting of a 112-bed Inmate Housing Unit and a Medical Unit. Construction funding is scheduled in FY22 and is contingent on receiving state funding
- Adult Detention Center Rehabilitation - includes but is not limited to replacement of water lines, pumps, and water heating units; upgrade of inmate call and duress system; ceiling replacement; new wall finishes; LED lighting; remodeling of inmate shower areas and staff restrooms
- In-Car Video Cameras– Replacement of 30 in-car video cameras is scheduled for funding in FY18

Communications

- Communication Support Vehicle – will serve the communications and management needs during an incident/event for multiple county agencies. Funding is scheduled in FY22
- Radio System upgrades/enhancements - will transition radios to the APX series to ensure system standardization, stability, and reliability and will enhance the core radio system infrastructure to increase data capacity. Funding for the upgrade is in FY19 and the enhancement is in FY21

Library Facilities

- Myersville Library is scheduled for construction in FY19. The timing is contingent on contributions from the state and municipality.
- Middletown Library is scheduled for construction funding in FY2022, contingent on contributions from the state.
- Linganore Town Center Library is scheduled for design funding in FY2023.



Preparing the site for the new Walkersville Library (construction funded in FY17)



Renovations/Relocations

- 300 Scholl's Lane Renovation – This project has been downsized to include updating and replacing the HVAC, fire alarm, electrical system, and other components. Construction is scheduled for FY18.
- Courthouse Capacity Improvement Project – will address future needs of the court system. A feasibility study was funded in FY17 with tentative design in FY2021 pending the outcome of the feasibility study.
- Montevue Campus Refueling Station – replaces the underground tanks to upground and other improvements. Construction funding is scheduled for FY22.
- Health Department Parking Expansion - expands the parking lot for the facility's employees and its visitors. Funding for construction is in FY18
- Pine Avenue Maintenance Complex Renovations - renovates the shop areas, improves the existing administration and expands the truck storage area. Parking lot resurfacing will occur at the conclusion of the project

New/Expanded Facilities

- Public Safety Training Facility Maintenance Shop and Garages – this new facility will increase efficiencies in operation for both the Division of Fire and Rescue and Fleet Services. Construction funding is scheduled in FY23.
- Transit Facility Expansion – with significant funding from state/federal grants, this project remodels the administrative building, constructs a 5,023 s.f. addition and bus shed.

Maintenance Systemics – General - Various projects are proposed throughout the six-year CIP for parking and roadway site improvements, energy management systems maintenance and replacement, roof repairs, HVAC repairs and replacements, and miscellaneous improvements.

IIT Systemic Projects: The County is making every effort to keep up with technological change. Toward that end, the CIP includes the following projects.

- **LAN/WAN** - Replacement of 20-year old technology used in the computer network that connects 41 buildings and services 1,800 workstations.
- **Security / Disaster Recovery** - To enhance the security and disaster recovery capability of the County's information technology systems.
- **Enterprise Software Licenses** - The cyclical upgrading of server and desktop operating system and office automation software.
- **Enterprise Hardware** - The cyclical replacement of servers and storage hardware.

LEAPS – Enhancements and upgrades to various law enforcement and public safety programs.

GIS – Continued development of the County's Geographical Information System is scheduled: Roadway Imaging and Orthophotography updates.

Financial System/Treasury System – Continued enhancements and upgrades to the current financial related software.

Land Management Software – An upgrade/replacement of the land management is scheduled for funding in FY18/19.

Video Services On-going Replacement/Upgrade – An upgrade/replacement of the land management is scheduled for funding in FY18/19.

Enterprise Asset Management/Fleet Management Software – Implementing software that will provide functionality for the maintenance of the County's facilities, such as administrative buildings, water and sewer plants, parks, vehicles and will allow scheduling of work orders, inventory of supplies, and track preventative maintenance schedules.

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED**

GENERAL GOVERNMENT

PROJECT	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Public Safety										
PSTF Master Plan	130,000	130,000	0	130,000	0	0	0	0	0	0
Hayward Road Fire Station	6,118,782	6,118,782	0	1,288,800	4,829,982	0	0	0	0	0
Green Valley Fire Station at Monrovia Town Center	5,220,200	5,220,200	0	0	478,400	4,741,800	0	0	0	0
SCBA Replacement	0	8,464,000	4,200,000	0	0	0	0	0	0	4,264,000
Fire Rescue portable radio replacement and	4,920,000	8,200,000	0	1,640,000	0	0	0	1,640,000	1,640,000	3,280,000
Advanced Life Support Cardiac Monitors	0	1,163,360	566,400	0	0	0	0	0	0	596,960
DFRS Records Management System	624,000	624,000	0	624,000	0	0	0	0	0	0
Fire Apparatus and Vehicle Replacement	3,926,000	8,716,343	1,592,343	572,000	572,000	572,000	572,000	572,000	1,066,000	3,198,000
Adult Detention Center Storage Building	0	256,250	0	0	0	0	0	0	0	256,250
ADC Phase IV Addition and Medical Unit	20,705,705	20,705,705	0	0	2,125,000	0	105,000	18,405,705	70,000	0
ADC Infrastructure Rehabilitation	420,000	5,362,700	0	0	0	0	0	0	420,000	4,942,700
Sheriff's Office In-Car Video Cameras	254,697	254,697	0	254,697	0	0	0	0	0	0
Surveillance Van	103,000	103,000	0	103,000	0	0	0	0	0	0
LEC Security Project	251,000	251,000	0	251,000	0	0	0	0	0	0
Urbana tower site	0	1,700,000	0	0	0	0	0	0	0	1,700,000
Communications Support Vehicle	675,000	675,000	0	0	0	0	0	675,000	0	0
Radio system SCADA upgrade	900,000	900,000	0	0	900,000	0	0	0	0	0
Radio system capacity enhancement	3,500,000	3,500,000	0	0	0	3,500,000	0	0	0	0
Total: Public Safety	47,748,384	72,345,037	6,358,743	4,863,497	8,905,382	5,313,800	4,177,000	21,292,705	3,196,000	18,237,910
Other										
300 Scholl's Lane Renovation	1,094,820	1,688,529	593,709	1,094,820	0	0	0	0	0	0
Work Force Services to Alternate Location	275,000	1,431,100	1,156,100	275,000	0	0	0	0	0	0
Courthouse Capacity Improvements Project	33,754,290	34,148,540	127,750	0	0	0	3,219,320	181,220	30,353,750	266,500
Sagner Ave Renovations	120,816	1,420,816	1,300,000	120,816	0	0	0	0	0	0
Public Safety Training Facility Maintenance Shop and Garages	3,795,163	3,795,163	0	0	0	0	0	298,480	3,496,683	0
Montevue Campus Refueling Station	3,128,208	3,128,208	0	0	0	0	317,980	2,810,228	0	0
Health Department Parking Expansion	792,800	862,800	70,000	792,800	0	0	0	0	0	0
Transit Facility Expansion	4,183,877	4,573,877	390,000	4,183,877	0	0	0	0	0	0
Pine Avenue Maintenance Complex Renovations	3,304,360	3,304,360	0	0	0	0	561,600	2,742,760	0	0
331 Montevue Expansion	100,000	100,000	0	100,000	0	0	0	0	0	0
Building and Space Utilization	215,000	215,000	0	45,000	170,000	0	0	0	0	0
Total: Other	50,764,334	54,668,393	3,637,559	6,612,313	170,000	0	4,098,900	6,032,688	33,850,433	266,500

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED**

GENERAL GOVERNMENT

PROJECT	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Library										
Walkersville Library	682,529	6,954,633	6,272,104	682,529	0	0	0	0	0	0
Myersville Library	3,927,662	3,927,662	0	3,614,622	0	0	0	0	0	0
Middletown Library	7,505,042	7,505,042	0	0	0	0	674,960	6,608,613	221,469	0
Linganore Town Center Library	865,000	11,355,970	0	0	0	0	0	0	865,000	10,490,970
Total: Library	12,980,233	29,743,307	6,272,104	995,569	3,614,622	0	674,960	6,608,613	1,086,469	10,490,970
Maintenance/Systemic										
Maintenance Systemics - General	21,403,213	36,327,209	0	3,000,000	3,338,712	3,871,504	3,730,999	3,730,999	3,730,999	14,923,996
Total: Maintenance/Systemic	21,403,213	36,327,209	0	3,000,000	3,338,712	3,871,504	3,730,999	3,730,999	3,730,999	14,923,996
Technology										
IIT Systemics- General	12,421,019	18,051,019	1,407,000	1,722,298	1,317,504	1,185,646	2,320,299	2,932,731	2,942,541	4,223,000
LEAPS	10,675,000	11,928,371	978,371	175,000	150,000	5,000,000	5,000,000	150,000	200,000	275,000
Enterprise GIS FY09 ongoing	1,800,000	3,775,504	1,775,504	125,000	125,000	125,000	0	1,375,000	50,000	200,000
ERP System- Software	1,000,000	9,284,500	8,284,500	1,000,000	0	0	0	0	0	0
Financial System FY09 ongoing	700,000	1,362,310	562,310	200,000	100,000	100,000	100,000	100,000	100,000	100,000
Land Management	3,600,000	4,099,860	399,860	1,700,000	1,700,000	0	100,000	50,000	50,000	150,000
EAM & Fleet Mgt System - Software	1,128,377	1,128,377	0	0	1,128,377	0	0	0	0	0
Treasury System	200,000	588,474	288,474	100,000	0	0	100,000	0	0	100,000
Video Services On-going Replacement/Upgrade	746,000	746,000	0	13,000	44,000	65,000	42,000	482,000	100,000	0
Total: Technology	32,270,396	50,964,415	13,696,019	5,035,298	4,564,881	6,475,646	7,662,299	5,089,731	3,442,541	5,048,000
Unallocated Project										
Unallocated Project	(209,174)	0	209,174	(209,174)	0	0	0	0	0	0
Total: Unallocated Project	(209,174)	0	209,174	(209,174)	0	0	0	0	0	0
Total: Exeprise	164,957,386	244,048,361	30,173,599	20,297,503	20,593,597	15,660,950	20,344,158	42,754,736	45,306,442	48,967,376
FUNDING										
General Fund	28,627,442	73,266,760	7,173,412	3,076,783	3,047,198	2,153,150	6,614,118	7,137,470	6,598,723	37,465,906
General Fund Bonds & Capital Lease	114,679,346	138,901,897	18,120,187	12,653,702	14,278,601	13,507,800	12,995,580	23,660,913	37,582,750	6,102,364
Impact Fee & Bonds	3,693,958	9,542,591	3,460,027	682,529	0	0	674,960	1,250,000	1,086,469	2,388,606
Enterprise Fee & Bonds	1,398,298	1,437,138	28,340	119,000	1,265,298	0	7,000	3,500	3,500	10,500
Grants	16,368,342	20,759,975	1,391,633	3,765,489	1,812,500	0	52,500	10,702,853	35,000	3,000,000
Other	190,000	190,000	0	0	190,000	0	0	0	0	0
Total Funding Source	164,957,386	244,048,361	30,173,599	20,297,503	20,593,597	15,660,950	20,344,158	42,754,736	45,306,442	48,967,376

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Capital Project Summary

Capital Project Number: GG1010

PS Project ID: C12032

Capital Project Title: PSTF Master Plan

Region: Frederick

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

A master plan for the Public Safety Training Facility is undertaken to ensure optimum siting of additions to the 117-acre campus, including the Fleet Services Maintenance and Machine Shop scheduled for FY2023 construction. The needs of Fire & Rescue Services, Public Works, Emergency Management, Frederick County Sheriff, and other County stakeholders are identified and building constraints delineated prior to future development of the property.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Planning/Study	110,000		110,000						
Project Management	20,000		20,000						
Total Cost:	130,000		130,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	130,000		130,000						
Total Cost:	130,000		130,000						



Capital Project Summary

Capital Project Number: GG1027

PS Project ID: C12033

Capital Project Title: Hayward Road Fire Station

Region: Frederick

Asset Category: General Government

Est Completion Date: 7/5/2018

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

This new fire/rescue station will be located in the vicinity of Hayward Road and Thomas Johnson Drive and serve the northern part of Frederick City and surrounding County areas. It will be sited on Lot 25 referenced on Final Subdivision and Addition Plat, Lots 24, 25 & 26, Section One, Frederick Electronics. The facility will be designed based upon the substation program (four-engine-bay station and operational facilities) and as required per the site constraints. FY2018: IIT costs adjusted per IIT review; land acquisition added; all other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	156,000			156,000					
Land	800,000		800,000						
Site Improvement	20,800		20,800						
Architect/Engineering	447,200		447,200						
Construction	4,472,000			4,472,000					
IIT Infrastructure	43,682			43,682					
Technology Equipment-IIT/DPW	23,100			23,100					
Inspections	124,800			124,800					
Project Management	31,200		20,800	10,400					
Total Cost:	6,118,782		1,288,800	4,829,982					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	148,782		18,800	129,982					
General Obligation Bonds	5,970,000		1,270,000	4,700,000					
Total Cost:	6,118,782		1,288,800	4,829,982					



Capital Project Summary

Capital Project Number: GG1028

PS Project ID:

Capital Project Title: Green Valley Fire Station at Monrovia Town Center

Region: Urbana

Asset Category: General Government

Est Completion Date: 7/5/2023

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

A proposed expansion of the existing fire station has been shown to be not feasible. The feasibility study completed in the fall of 2003 determined that the expansion, which is to include a Sheriff's Office substation, will not meet the program needs of DFRS or the Sheriff's office. This request is to provide a new facility designed per the substation program (four-engine-bay station and operational facilities), with an additional 300 s.f. provided for Sheriff's Office needs. This station is sited on land deeded from the Monrovia Town Center project in accordance with the DRRRA. FY2018: IIT costs adjusted per IIT review; all other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	156,000				156,000				
Site Improvement	20,800			20,800					
Architect/Engineering	436,800			436,800					
Construction	4,368,000				4,368,000				
IIT Infrastructure	59,500				59,500				
Technology Equipment-IIT/DPW	23,100				23,100				
Inspections	124,800				124,800				
Project Management	31,200			20,800	10,400				
Total Cost:	5,220,200			478,400	4,741,800				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	234,000				234,000				
General Obligation Bonds	4,986,200			478,400	4,507,800				
Total Cost:	5,220,200			478,400	4,741,800				



Capital Project Summary

Capital Project Number: GG1080

PS Project ID: C11425

Capital Project Title: SCBA Replacement

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

Beginning in FY2024, approximately 700 Self Contained Breathing Apparatus, (SCBA) and supporting equipment (Cascade Systems) will need to be replaced in-order to bring the air paks up to the current revision in the NFPA Standard for respiratory protection (NFPA 1981 and 1982). In addition, the SCBA ages, parts become obsolete and the technology does not allow for upgrades to our existing SCBA. The Cascade Systems including compressors and fill stations will need to be evaluated for upgrading or replacement to adequately fill the air bottles. FY2018: Costs escalated 4% and delayed until FY2024/FY2025.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	8,464,000	4,200,000							4,264,000
Total Cost:	8,464,000	4,200,000							4,264,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	4,264,000								4,264,000
General Obligation Bonds	4,200,000	4,200,000							
Total Cost:	8,464,000	4,200,000							4,264,000



Capital Project Summary

Capital Project Number: GG1082

PS Project ID: C12034

Capital Project Title: Fire Rescue portable radio replacement and enhancement

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Replacing fire/rescue portable radio fleet with new radios with enhanced capabilities. Number of radios requested was determined by request from Fire/Rescue Services. The current subscriber fleet of portable radios has served County responders reliably since 2005. The typical lifespan of electronic equipment regularly exposed to the fire/rescue/EMS operational environment, which includes severe temperature changes, water and dust, impacts and vibration, and other damaging elements, is typically eight to ten years. By 2017 the radios will be entering their 12th year of service, which would be the outer edge of their durability. Coupled with the need for replacement, is the current and growing need fire/rescue has to be able to directly operate on adjacent counties' radio systems who do not use the same frequency band as Frederick County. This is mainly the jurisdictions to our west, and includes Jefferson County, WV; Washington County, MD; and Franklin County, PA. Fire and Rescue units regularly respond across these borders to provide mutual aid support for emergencies, and the inability to directly communicate has been noted in several after action reports as a growing concern that has life safety implications for the citizens we serve as well as the responders who serve them.

Fire and Rescue has requested a portable radio for each unit; a self-contained breathing apparatus position on those units; and portable radios sufficient to cover the public safety training facility and other special units.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	8,200,000		1,640,000				1,640,000	1,640,000	3,280,000
Total Cost:	8,200,000		1,640,000				1,640,000	1,640,000	3,280,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	4,920,000							1,640,000	3,280,000
Capital Leases	3,280,000		1,640,000				1,640,000		
Total Cost:	8,200,000		1,640,000				1,640,000	1,640,000	3,280,000



Capital Project Summary

Capital Project Number: GG1083

PS Project ID: C12030

Capital Project Title: Advanced Life Support Cardiac Monitors

Region: Countywide

Asset Category: General Government

Est Completion Date: 7/4/2025

Asset Type: Public Safety

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Frederick County Advanced Life Support owns 14 LifePak 12 Cardiac Monitors: DFRS must budget for replacement of the cardiac monitors which are a mandatory requirement for ALS medic unit service operations. Fourteen were replaced in FY2016/2017 and the replacement cycle will be replicated every eight years. FY18: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	596,960								596,960
Fire/Rescue Vehicle Equip	566,400	566,400							
Total Cost:	1,163,360	566,400							596,960

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	1,163,360	566,400							596,960
Total Cost:	1,163,360	566,400							596,960



Capital Project Summary

Capital Project Number: GG1084

PS Project ID: C12035

Capital Project Title: DFRS Records Management System

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

The Division of Fire & Rescue Services has identified the need for a single, centralized, Countywide database for its Records Management System (RMS) that collects all County incident data and is National Fire Incident Reporting System compliant. This system will provide input, management, and reporting of data and background information, including call statistics, budget information, personnel figures, staffing reports, apparatus, and maintenance reports. CAD and GIS data is also input, managed, and reported with this system. In addition, this system tracks and reports all LOSAP information from each department. FY2018: Cost escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Project - Software	624,000		624,000						
Total Cost:	624,000		624,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Leases	624,000		624,000						
Total Cost:	624,000		624,000						



Capital Project Summary

Capital Project Number: GG1098

PS Project ID: C11601

Capital Project Title: Fire Apparatus and Vehicle Replacement

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2014

Capital Project Status: Open

Capital Project Description:

The Division of Fire & Rescue Services (DFRS) has undertaken an apparatus and vehicle inventory/replacement analysis consistent with the recommendation set forth by external auditors SC&H in their "Audit of Funding for Replacement of DFRS Apparatus" delivered to the County in June 2014. DFRS has developed a detailed analysis which identifies every agency-owned apparatus and vehicle, the mileage or hours on each vehicle, and the NFPA recommended standards for replacement of these apparatus or vehicles. The result of this analysis is that there is a large unfunded liability associated with the 70 DFRS-owned apparatus and vehicles that will need to be replaced over the next ten years. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Fire/Rescue Vehicle Equip	8,574,000	1,450,000	572,000	572,000	572,000	572,000	572,000	1,066,000	3,198,000
Financed equip purchases	0								
Capital Vehicles Replacement	142,343	142,343							
Total Cost:	8,716,343	1,592,343	572,000	572,000	572,000	572,000	572,000	1,066,000	3,198,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	3,376,343	2,343	22,000	22,000	22,000	22,000	22,000	66,000	3,198,000
Capital Leases	4,650,000	900,000	550,000	550,000	550,000	550,000	550,000	1,000,000	
General Obligation Bonds	690,000	690,000							
Total Cost:	8,716,343	1,592,343	572,000	572,000	572,000	572,000	572,000	1,066,000	3,198,000



Capital Project Summary

Capital Project Number: GG1105

PS Project ID:

Capital Project Title: Adult Detention Center Storage Building

Region: Frederick

Asset Category: General Government

Est Completion Date: 6/30/2020

Asset Type: Public Safety

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

This project demolishes the existing, deteriorating horse barn on the Thomas Property that is currently being used for storage and replaces it with a 2,400 s.f. pre-engineered building with a concrete floor in which tools and equipment may be properly organized and maintained. Water and electricity will be provided to the structure, enabling Inmate Labor Program participants to wash Corrections Bureau vehicles and clean mowers and snow blowers.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	10,250								10,250
Architect/Engineering	30,750								30,750
Construction	174,250								174,250
Inspections	30,000								30,000
Project Management	11,000								11,000
Total Cost:	256,250								256,250

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	256,250								256,250
Total Cost:	256,250								256,250



Capital Project Summary

Capital Project Number: GG1106

PS Project ID:

Capital Project Title: ADC Phase IV Addition and Medical Unit

Region: Frederick

Asset Category: General Government

Est Completion Date: 7/8/2023

Asset Type: Public Safety

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

This project constructs a 30,000 s.f. two-story addition, with mezzanine, to the Frederick County Adult Detention Center, consisting of a 112-bed Inmate Housing Unit and a Medical Unit. The Medical Unit includes negative pressure cells required for the isolation of inmates infected with active tuberculosis; medical, dental, and mental health treatment areas, pharmacy and laboratory space; laundry room; medical supply storage; and a security station. Exterior and interior finishes provided are as required for correctional facilities. Costs include video surveillance cameras, fire alarms, and a fire sprinkler system tied to the existing system.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	50,000						50,000		
Site Improvement	80,000					80,000			
Architect/Engineering	2,100,000			2,100,000					
Construction	18,000,000						18,000,000		
IIT Infrastructure	72,096						72,096		
Furniture and Equipment	60,000						60,000		
Technology Equipment-IIT/DPW	88,609						88,609		
Inspections	180,000						120,000	60,000	
Project Management	75,000			25,000		25,000	15,000	10,000	
Total Cost:	20,705,705			2,125,000		105,000	18,405,705	70,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Pub Safety & Corrections Svcs	10,352,853			1,062,500		52,500	9,202,853	35,000	
Transfer From General Fund	110,000						110,000		
General Obligation Bonds	10,242,852			1,062,500		52,500	9,092,852	35,000	
Total Cost:	20,705,705			2,125,000		105,000	18,405,705	70,000	



Capital Project Summary

Capital Project Number: GG1107

Capital Project Title: ADC Infrastructure Rehabilitation

Asset Category: General Government

Asset Type: Public Safety

Capital Project Status: Open

PS Project ID:

Region: Frederick

Est Completion Date:

Year Identified: 2018

Capital Project Description:

This project rehabilitates infrastructure in the Inmate Housing portion of the Adult Detention Center constructed in 1984 to ensure continuity of facility operations. As relocation of inmates will be required during the rehabilitation, this project will be performed subsequent to the ADC Medical Unit/Phase 4 Addition projects. The refurbishment includes but is not limited to replacement of water lines, pumps, and water heating units; upgrade of inmate call and duress system; ceiling replacement; new wall finishes; LED lighting; remodeling of inmate shower areas and staff restrooms.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	385,000							385,000	
Construction	4,800,000								4,800,000
IIT Infrastructure	7,700								7,700
Inspections	130,000							10,000	120,000
Project Management	40,000							25,000	15,000
Total Cost:	5,362,700							420,000	4,942,700

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	4,962,700							20,000	4,942,700
General Obligation Bonds	400,000							400,000	
Total Cost:	5,362,700							420,000	4,942,700



Capital Project Summary

Capital Project Number: GG1152

PS Project ID: C12036

Capital Project Title: Sheriff's Office In-Car Video Cameras

Region: Countywide

Asset Category: General Government

Est Completion Date: 7/1/2018

Asset Type: Public Safety

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

This project replaces 30 in-car video cameras, which are at the end of their life cycle and require constant repair, with high-definition digital cameras. The digital cameras will facilitate the streamlining of evidence collection, protect the chain of evidence from the car to the courtroom, reduce evidence storage needs, and enable pre-event recording. The project cost includes installation and a back-end computer server. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	254,697		254,697						
Total Cost:	254,697		254,697						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	254,697		254,697						
Total Cost:	254,697		254,697						



Capital Project Summary

Capital Project Number: GG1154

PS Project ID: C12037

Capital Project Title: Surveillance Van

**Region: Adamstown, Brunswick,
Countywide, Frederick,...**

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

A covert surveillance van augments the current fleet of covert vehicles used by the Frederick County Sheriff's Office (FCSO) for criminal investigations. Its deployment during undercover operations enhances the safety of law enforcement personnel; furthermore, it may be operated remotely when it is impractical to man the unit.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	103,000		103,000						
Total Cost:	103,000		103,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	103,000		103,000						
Total Cost:	103,000		103,000						



Capital Project Summary

Capital Project Number: GG1155

PS Project ID: C12038

Capital Project Title: LEC Security Project

Region: Frederick

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

The security of the Law Enforcement Center is enhanced by replacing the boom barrier at the rear parking lot and replacing surveillance cameras: Installation of an anti-ram crash barrier arm, which requires no electrical power, will prevent large trucks or small passenger vehicles from breaching the security perimeter; surveillance cameras, most of which were installed during 2002 construction, are upgraded to current County-standard models.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	120,000		120,000						
Technology Equipment-IIT/DPW	130,000		130,000						
Inspections	1,000		1,000						
Total Cost:	251,000		251,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	251,000		251,000						
Total Cost:	251,000		251,000						



Capital Project Summary

Capital Project Number: GG1194

PS Project ID:

Capital Project Title: Urbana tower site

Region: Adamstown, New Market, Urbana

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Next tower site in the digital trunked radio system master plan. Required due to current and planned growth. The County's master plan for the digital trunked radio system was based on providing tiered coverage determined by the construction type and density in the County's comprehensive zoning plan. The area between Interstate 70 and Interstate 270, specifically the Urbana area, was recognized as requiring additional coverage enhancements to meet in-building coverage requirements for the currently occurring and planned development. An opportunity exists to cooperatively develop the required tower site during 2015 on public land, which could reduce the County's capital costs and provide ongoing revenue back to the site owner (either Frederick County Public Schools or the County).

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	1,700,000								1,700,000
Total Cost:	1,700,000								1,700,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	700,000								700,000
General Obligation Bonds	1,000,000								1,000,000
Total Cost:	1,700,000								1,700,000



Capital Project Summary

Capital Project Number: GG1195

PS Project ID:

Capital Project Title: Communications Support Vehicle

Region: Adamstown, Brunswick, Frederick, Middletown,...

Asset Category: General Government

Est Completion Date: 12/3/2016

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

Request to fund a communications support vehicle to serve the communications and incident or event management needs of multiple county agencies when responding to planned events or emergency incidents in the county.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Vehicles Replacement	675,000						675,000		
Total Cost:	675,000						675,000		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	675,000						675,000		
Total Cost:	675,000						675,000		



Capital Project Summary

Capital Project Number: GG1196

Capital Project Title: Radio system SCADA upgrade

Asset Category: General Government

Asset Type: Public Safety

Capital Project Status: Open

PS Project ID:

Region: Countywide

Est Completion Date: 1/1/2019

Year Identified: 2017

Capital Project Description:

Within the County's mission critical radio system exists a subsystem to support the supervisory control and data acquisition (SCADA) needs of multiple agencies. With the manufacturer's announced end of life/end of support of the XTS and XTL series of radios that currently provide the radio link for the SCADA system in December 2018, a planned transition to the APX series of radios is warranted to ensure system standardization, stability, and reliability.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	900,000			900,000					
Total Cost:	900,000			900,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	400,000			400,000					
Transfers from Water and Sewer	500,000			500,000					
Total Cost:	900,000			900,000					



Capital Project Summary

Capital Project Number: GG1197

PS Project ID:

Capital Project Title: Radio system capacity enhancement

Region: Countywide

Asset Category: General Government

Est Completion Date: 7/2/2021

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

The County radio system which supports all county agencies using radios, as well as Brunswick, Frederick, Thurmont, State of Maryland, and federal agencies operating in Frederick County, has the core capability to have its total traffic handling capability doubled with select hardware and software license upgrades.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	3,500,000					3,500,000			
Total Cost:	3,500,000					3,500,000			

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	3,500,000					3,500,000			
Total Cost:	3,500,000					3,500,000			



Capital Project Summary

Capital Project Number: GG2010

PS Project ID: C11012

Capital Project Title: 300 Scholl's Lane Renovation

Region: Countywide

Asset Category: General Government

Est Completion Date: 7/2/2018

Asset Type: Other

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Scope includes a complete HVAC replacement for the Health Department (7,500 sq. ft.), an upgrade to the building's electrical system, fire alarm panel modifications, improvements to the existing parking lot, fence repair, roof replacement, siding and sewer repair, and parking lot lighting. FY2018: Costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	23,864		23,864						
Real Estate	18,056	18,056							
Architect/Engineering	184,375	184,375							
Construction	1,378,381	339,728	1,038,653						
IIT Infrastructure	17,050		17,050						
Technology Equipment-IIT/DPW	8,857		8,857						
Inspections	5,356		5,356						
Project Management	52,590	51,550	1,040						
Total Cost:	1,688,529	593,709	1,094,820						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	151,180	86,808	64,372						
General Obligation Bonds	1,537,349	506,901	1,030,448						
Total Cost:	1,688,529	593,709	1,094,820						



Capital Project Summary

Capital Project Number: GG2016

PS Project ID: C11053

Capital Project Title: Work Force Services to Alternate Location

Region: Frederick

Asset Category: General Government

Est Completion Date: 7/4/2016

Asset Type: Other

Year Identified: 2015

Capital Project Status: Funded

Capital Project Description:

Work Force Services will be relocated from leased space to Frederick Community College's Monroe Center at 200 Monroe Avenue, a site that affords plentiful parking and Transit access. This project fits out 10,000 s.f. of the Monroe Center with office space, ADA bathrooms, conference and classrooms, and a computer lab. Costs are based upon a 24-month design through construction duration.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	14,000	14,000							
Architect/Engineering	160,200	160,200							
Construction	1,015,000	740,000	275,000						
IIT Infrastructure	92,220	92,220							
Project Management & Inspections	124,680	124,680							
Furniture and Equipment	25,000	25,000							
Total Cost:	1,431,100	1,156,100	275,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	810,000	810,000							
General Obligation Bonds	621,100	346,100	275,000						
Total Cost:	1,431,100	1,156,100	275,000						



Capital Project Summary

Capital Project Number: GG2019

PS Project ID: C11217

Capital Project Title: Courthouse Capacity Improvements Project

Region: Frederick

Asset Category: General Government

Est Completion Date: 7/7/2023

Asset Type: Other

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Addressing space limitations at the Frederick County Courthouse was a priority identified in the 2013 Countywide Synergy and Efficiency Concept Plan: The Administrative Office of the Courts' Workload Analysis for FY2015 revealed that Frederick County was in need of a sixth Circuit Court judge (and accompanying staff), for whom there is currently no space in the Courthouse. Furthermore, it is projected that a seventh circuit courtroom and another master's hearing room will also be required to accommodate workload within the decade. This project anticipates a 90,000-100,000 s.f. facility that provides room for the aforementioned needs (initially finishing one floor), additional secure parking, and shell space for future Circuit Court-related fit-out in an annex at the rear of the existing site. Subsequent to the completion of the Space Needs Assessment (FY16) and Feasibility Study (FY17), the project scope and design and construction costs (FY18 - FY21) will be refined. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	111,020								111,020
Site Improvement	159,900						159,900		
Architect/Engineering	3,198,000					3,198,000			
Planning/Study	117,500	117,500							
Construction	29,848,000							29,848,000	
IIT Infrastructure	239,900							239,900	
Furniture and Equipment	48,880								48,880
Technology Equipment-IIT/DPW	138,450							138,450	
Inspections	221,520						10,920	114,400	96,200
Project Management	65,370	10,250				21,320	10,400	13,000	10,400
Total Cost:	34,148,540	127,750				3,219,320	181,220	30,353,750	266,500

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	568,070	127,750				23,820		150,000	266,500
General Obligation Bonds	33,580,470					3,195,500	181,220	30,203,750	
Total Cost:	34,148,540	127,750				3,219,320	181,220	30,353,750	266,500



Capital Project Summary

Capital Project Number: GG2020

PS Project ID: C11055

Capital Project Title: Sagner Ave Renovations

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Other

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

The building fit-out of 401 Sagner Avenue provides office, meeting, and storage space for several departments of the Citizens Services Division, including Administration, Housing, and Human Relations, and ample parking for citizens. Costs include water, sewer, electrical upgrades, and miscellaneous site improvements. FY2018: IIT funds added after IIT review; construction funding required for Life/Safety unforeseen items added.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	50,000	50,000							
Construction	1,200,074	1,095,000	105,074						
IIT Infrastructure	35,000	35,000							
Project Management & Inspections	90,000	90,000							
Furniture and Equipment	30,000	30,000							
Technology Equipment-IIT/DPW	15,742		15,742						
Total Cost:	1,420,816	1,300,000	120,816						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	120,816	100,000	20,816						
General Obligation Bonds	1,300,000	1,200,000	100,000						
Total Cost:	1,420,816	1,300,000	120,816						



Capital Project Summary

Capital Project Number: GG2030

PS Project ID:

**Capital Project Title: Public Safety Training Facility
Maintenance Shop and Garages**

Region: Frederick

Asset Category: General Government

Est Completion Date: 12/6/2023

Asset Type: Other

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Fire trucks, ambulances and other rescue vehicles that belong to the Division of Fire & Rescue Services and Volunteer organizations are currently repaired by Fleet Services at its Montevue facility or at individual fire stations. The operations of DFRS and the efficiency of the Division of Public Works Fleet Services Department will be improved with the construction of a maintenance and machine shop and heated garage for the servicing of vehicles and fire apparatus at the Public Safety Training Facility campus. This project includes a vehicle service pit, two-ton crane, wash bay, generator backup, maintenance and repair equipment (lifts and stands), fueling island, parking area conducive to the function of a preventive and corrective maintenance facility, heated storage bays, and requisite stormwater management. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	173,100							173,100	
Site Improvement	15,990							15,990	
Architect/Engineering	266,500						266,500		
Construction	2,984,800							2,984,800	
IIT Infrastructure	17,750							17,750	
Furniture and Equipment	200,000							200,000	
Technology Equipment-IIT/DPW	16,565							16,565	
Inspections	89,258						11,180	78,078	
Project Management	31,200						20,800	10,400	
Total Cost:	3,795,163						298,480	3,496,683	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	671,163						118,480	552,683	
General Obligation Bonds	3,124,000						180,000	2,944,000	
Total Cost:	3,795,163						298,480	3,496,683	



Capital Project Summary

Capital Project Number: GG2031

Capital Project Title: Montevue Campus Refueling Station

Asset Category: General Government

Asset Type: Other

Capital Project Status: Open

PS Project ID:

Region: Frederick

Est Completion Date: 9/4/2022

Year Identified: 2016

Capital Project Description:

This project removes Fleet Services' below-ground fuel tanks and Transit's above-ground tank and accoutrements at the Montevue Campus and replaces them with two 15,000 gallon above-ground tanks and eight fuel pumps to dispense diesel and gasoline at a canopy-covered, centrally-located station, accessible to all agencies that fuel at Montevue. Installation of a 125 KW generator will ensure uninterrupted power to the Refueling Station and the adjacent Bourne Building. Costs also include a grit separator and trap, site work (requisite stormwater management), new electrical service, and fuel delivery and tank monitoring systems. Fleet Service's Small Vehicle Maintenance Shop is expanded to facilitate the storage of parts and create an office area. FY2018: Description revised to encompass shop expansion. IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	121,800						121,800		
Site Improvement	57,200					57,200			
Architect/Engineering	228,800					228,800			
Construction	2,308,800						2,308,800		
IIT Infrastructure	17,900						17,900		
Furniture and Equipment	250,000						250,000		
Technology Equipment-IIT/DPW	15,788						15,788		
Inspections	96,720					11,180	85,540		
Project Management	31,200					20,800	10,400		
Total Cost:	3,128,208					317,980	2,810,228		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	300,000					100,000	200,000		
General Obligation Bonds	2,828,208					217,980	2,610,228		
Total Cost:	3,128,208					317,980	2,810,228		



Capital Project Summary

Capital Project Number: GG2032

PS Project ID: C11218

Capital Project Title: Health Department Parking Expansion

Region: Frederick

Asset Category: General Government

Est Completion Date: 7/2/2018

Asset Type: Other

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

This project removes the playground equipment adjacent to the floodplain at the Health Department site and installs a parking lot for the facility's employees and its visitors. FY2018: Costs escalated 4%

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	60,000	60,000							
Construction	720,000		720,000						
Project Management & Inspections	62,800	10,000	52,800						
Project Management	20,000		20,000						
Total Cost:	862,800	70,000	792,800						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	99,800	70,000	29,800						
General Obligation Bonds	763,000		763,000						
Total Cost:	862,800	70,000	792,800						



Capital Project Summary

Capital Project Number: GG2033

PS Project ID: C11219

Capital Project Title: Transit Facility Expansion

Region: Frederick

Asset Category: General Government

Est Completion Date:

Asset Type: Other

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

Based upon a 2010 MTA Facility Needs Assessment, Transit has outgrown its existing 4,500 s.f. administrative facility. This project remodels the administrative building and constructs a 5,023 s.f. addition. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	52,000		52,000						
Site Improvement	90,000	90,000							
Architect/Engineering	270,000	270,000							
Construction	3,920,400		3,920,400						
IIT Infrastructure	18,937		18,937						
Project Management & Inspections	150,000	30,000	120,000						
Technology Equipment-IIT/DPW	57,340		57,340						
Project Management	15,200		15,200						
Total Cost:	4,573,877	390,000	4,183,877						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Federal Grants - Pass Thru	3,659,101	312,000	3,347,101						
MD Dept of Transportation	457,388	39,000	418,388						
Transfer From General Fund	91,000	39,000	52,000						
General Obligation Bonds	366,388		366,388						
Total Cost:	4,573,877	390,000	4,183,877						



Capital Project Summary

Capital Project Number: GG2034

PS Project ID:

Capital Project Title: Pine Avenue Maintenance Complex Renovations

Region: Frederick

Asset Category: General Government

Est Completion Date: 7/8/2022

Asset Type: Other

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

The Pine Avenue site where the Division of Public Works Office of Facilities Maintenance and Division of Parks & Recreation maintenance personnel are located requires substantial updating to facilitate the carpentry, HVAC, electrical and painting operations that occur at its workshops. In addition, Highway Operations' materials and equipment have been added to this location with the vacation of the adjacent satellite yard. This project funds requisite renovations to shop areas, including the provision of compressors and service equipment, improvements to the existing administration area to furnish adequate bunk and restroom accommodations for Maintenance and Highway staff whose services are mandatory during weather and emergency events, and expansion of truck storage. Motorized access gates, a fuel island, grit separator, and an 80 KW emergency generator to ensure uninterrupted power to a complex that must be able to operate 24/7 are also included. The mill and overlay of the parking lot will occur at the conclusion of the project. As the purchase of adjacent property is contemplated to enable more effective vehicular access to the existing equipment bays, land expenses are included. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	112,000						112,000		
Land	312,000					312,000			
Architect/Engineering	228,800					228,800			
Construction	2,288,000						2,288,000		
IIT Infrastructure	14,200						14,200		
Furniture and Equipment	200,000						200,000		
Technology Equipment-IIT/DPW	32,360						32,360		
Inspections	117,000					20,800	96,200		
Total Cost:	3,304,360					561,600	2,742,760		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	362,760						362,760		
General Obligation Bonds	2,941,600					561,600	2,380,000		
Total Cost:	3,304,360					561,600	2,742,760		



Capital Project Summary

Capital Project Number: GG2035

PS Project ID: C11221

Capital Project Title: 331 Montevue Expansion

Region: Frederick

Asset Category: General Government

Est Completion Date:

Asset Type: Other

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

This project provides Fleet Services and Highway Operations personnel the additional space required to effectively manage their future operations at the Montevue Campus. The existing facility is marginal with respect to work and storage space, as well as sheltering accommodations during 24/7 events. A feasibility study is programmed for FY18 to determine the optimal means to address these deficiencies and the cost; thereafter, the scope of the Montevue Campus Refueling Station project (GG2031) may be expanded to include the design (FY21) and construction (FY22) of these improvements.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Feasibility Study	85,000		85,000						
Project Management	15,000		15,000						
Total Cost:	100,000		100,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	100,000		100,000						
Total Cost:	100,000		100,000						



Capital Project Summary

Capital Project Number: GG2036

PS Project ID: C11222

Capital Project Title: Building and Space Utilization

Region: Frederick

Asset Category: General Government

Est Completion Date:

Asset Type: Other

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

This project will have a space needs assessment (FY18) and Feasibility Study (FY19) undertaken precedent to design (anticipated FY21-FY22) will refine the project scope, design, and construction (FY23) costs. to accommodate a variety of County operations, including Citizens Services, the 9-1-1 Center, the Board of Elections, and IIT

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Planning/Study	35,000		35,000						
Feasibility Study	150,000			150,000					
Project Management	30,000		10,000	20,000					
Total Cost:	215,000		45,000	170,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	215,000		45,000	170,000					
Total Cost:	215,000		45,000	170,000					



Capital Project Summary

Capital Project Number: GG3003

PS Project ID: C11905

Capital Project Title: Walkersville Library

Region: Walkersville

Asset Category: General Government

Est Completion Date: 9/5/2018

Asset Type: Library

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

A feasibility study of a town donated site was funded in FY2007 in order to assess if the same design for the Brunswick Library could be used for the Walkersville Library. The feasibility study was completed in FY2008 with a design contract awarded shortly thereafter in FY2008. The site has been determined suitable and the land transfer process has been completed. The proposed facility will be a 15,250 s.f. new building to replace the existing 2,000 s.f. library. A prototype building similar to Brunswick Library has been designed with exterior and interior finishes unique to Walkersville. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	665,447	105,906	559,541						
Site Improvement	101,616	101,616							
Architect/Engineering	513,818	513,818							
Construction	5,002,000	5,002,000							
IIT Infrastructure	58,838	56,050	2,788						
Project Management & Inspections	166,214	166,214							
Furniture and Equipment	333,840	214,240	119,600						
Technology Equipment-IIT/DPW	37,860	37,260	600						
Project Management	75,000	75,000							
Total Cost:	6,954,633	6,272,104	682,529						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	1,040,633	1,040,633							
Transfer From General Fund	3,432	3,432							
Transfer From Impact Fee Funds	4,083,282	3,400,753	682,529						
General Obligation Bonds	1,827,286	1,827,286							
Total Cost:	6,954,633	6,272,104	682,529						



Capital Project Summary

Capital Project Number: GG3004

PS Project ID: C11906

Capital Project Title: Myersville Library

Region: Middletown

Asset Category: General Government

Est Completion Date: 1/17/2020

Asset Type: Library

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

The Myersville site is located at the old elementary school and will be donated by the town for library use. The site is basically flat, adjacent to all utilities, and accessible to good community roads. The proposed facility will be approximately 6,000 s.f. facility. Demolition costs for the existing building have been absorbed by the town and are not included in the budget. The design will be original rather than prototypical. The size of the facility is dictated by the construction of the future 15,000 s.f. Middletown Library, located four miles from this site. Construction costs include the installation of a Trolley exhibit, requested by the Town of Myersville. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

** Timing of project is contingent on the state grant award and contribution from the municipality **

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	243,672			243,672					
Site Improvement	5,200		5,200						
Architect/Engineering	281,840		281,840						
Construction	2,818,400			2,818,400					
IIT Infrastructure	38,950			38,950					
Furniture and Equipment	343,200			343,200					
Technology Equipment-IIT/DPW	30,000			30,000					
Inspections	135,200		5,200	130,000					
Project Management	31,200		20,800	10,400					
Total Cost:	3,927,662		313,040	3,614,622					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	750,000			750,000					
Transfer From General Fund	200,000			200,000					
Transfer From Impact Fee Funds	59,274		59,274						
General Obligation Bonds	2,728,388		253,766	2,474,622					
Municipal Contribution	190,000			190,000					
Total Cost:	3,927,662		313,040	3,614,622					



Capital Project Summary

Capital Project Number: GG3005

Capital Project Title: Middletown Library

Asset Category: General Government

Asset Type: Library

Capital Project Status: Open

PS Project ID:

Region: Middletown

Est Completion Date: 7/4/2024

Year Identified: 2017

Capital Project Description:

This project replaces the Middletown Branch Library on Prospect Street with a new 15,250 s.f. library on a developer-donated site on Green Street, west of the school complex. The Green Street property is to be transferred to the County in the spring of 2016. The library design will be based upon the Brunswick/Walkersville prototype, with exterior and interior finishes unique to Middletown. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	409,331						326,512	82,819	
Site Improvement	104,000					104,000			
Architect/Engineering	544,960					544,960			
Construction	5,449,600						5,449,600		
IIT Infrastructure	58,838						58,838		
Furniture and Equipment	730,213						591,563	138,650	
Technology Equipment-IIT/DPW	41,700						41,700		
Inspections	140,400						140,400		
Project Management	26,000					26,000			
Total Cost:	7,505,042					674,960	6,608,613	221,469	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	1,500,000						1,500,000		
Transfer From Impact Fee Funds	2,146,429					674,960	1,250,000	221,469	
General Obligation Bonds	3,858,613						3,858,613		
Total Cost:	7,505,042					674,960	6,608,613	221,469	



Capital Project Summary

Capital Project Number: GG3006

PS Project ID:

Capital Project Title: Linganore Town Center Library

Region: New Market

Asset Category: General Government

Est Completion Date: 7/3/2025

Asset Type: Library

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

This project constructs a 25,000 s.f. library off MD RT 144, convenient to the Oakdale High School, and located within a retail center. It will provide library service to Spring Ridge, Lake Linganore, New Market, and Monrovia, areas currently without library service. Depending upon site constraints, a two-story structure may be designed.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	20,000							20,000	
Architect/Engineering	820,000							820,000	
Construction	8,200,000								8,200,000
IIT Infrastructure	79,800								79,800
Furniture and Equipment	1,999,520								1,999,520
Technology Equipment-IIT/DPW	56,650								56,650
Inspections	130,000								130,000
Project Management	50,000							25,000	25,000
Total Cost:	11,355,970							865,000	10,490,970

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	3,000,000								3,000,000
Transfer From Impact Fee Funds	3,253,606							865,000	2,388,606
General Obligation Bonds	5,102,364								5,102,364
Total Cost:	11,355,970							865,000	10,490,970



Capital Project Summary

Capital Project Number: GG4199

PS Project ID: C11060

Capital Project Title: Maintenance Systemics - General

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Maintenance/Systemic

Year Identified: 2014

Capital Project Status: Open

Capital Project Description:

This project combines maintenance/systemic projects that were previously separated in the CIP into a Super Systemic and anticipates future maintenance required for aging County buildings and County-owned properties: roof replacement, carpet replacement, pavement repair/overlay/sealcoating, elevator modernization, plumbing and electrical upgrades, energy conservation, HVAC replacement/upgrade, sprinkler/fire pump/fire alarm code upgrades, generator repair/replacement, building envelope improvements such as window and door replacements and the repointing of bricks, and miscellaneous site improvements and modifications. For FY 2018, priorities are continued elevator repair/replacement at the Courthouse; Health Department HVAC replacement; Health Department current parking lot and sidewalk repairs; building exteriors at the Thurmont Library and Emmitsburg. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	1,776,416		115,000	166,936	193,586	185,842	185,842	185,842	743,368
Architect/Engineering	4,267,397		280,000	400,645	464,605	446,021	446,021	446,021	1,784,084
Construction	27,463,706		2,400,000	2,504,034	2,903,784	2,807,984	2,807,984	2,807,984	11,231,936
Capital Appropriations	0								
Project Management & Inspections	0								
Inspections	1,981,570		150,000	189,097	215,929	203,792	203,792	203,792	815,168
Project Management	838,120		55,000	78,000	93,600	87,360	87,360	87,360	349,440
Total Cost:	36,327,209		3,000,000	3,338,712	3,871,504	3,730,999	3,730,999	3,730,999	14,923,996

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	18,341,209			588,712	621,504	612,999	862,999	730,999	14,923,996
General Obligation Bonds	17,986,000		3,000,000	2,750,000	3,250,000	3,118,000	2,868,000	3,000,000	
Total Cost:	36,327,209		3,000,000	3,338,712	3,871,504	3,730,999	3,730,999	3,730,999	14,923,996



Capital Project Summary

Capital Project Number: GG5001

PS Project ID: C12999

Capital Project Title: IIT Systemics- General

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This funding supports the hardware, software and implementation services for county technologies including network infrastructure, information security and disaster recovery, enterprise software, enterprise hardware, and document management.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
IIT Infrastructure	0								
Furniture and Equipment	0								
Capital Project - Software	0								
Technology Equipment-IIT/DPW	18,051,019	1,407,000	1,722,298	1,317,504	1,185,646	2,320,299	2,932,731	2,942,541	4,223,000
Project Management	0								
Total Cost:	18,051,019	1,407,000	1,722,298	1,317,504	1,185,646	2,320,299	2,932,731	2,942,541	4,223,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	16,351,019	1,107,000	1,322,298	1,117,504	985,646	2,020,299	2,632,731	2,942,541	4,223,000
Capital Leases	1,400,000		400,000	200,000	200,000	300,000	300,000		
General Obligation Bonds	300,000	300,000							
Total Cost:	18,051,019	1,407,000	1,722,298	1,317,504	1,185,646	2,320,299	2,932,731	2,942,541	4,223,000



Capital Project Summary

Capital Project Number: GG5005

PS Project ID: C12009

Capital Project Title: LEAPS

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project supports the hardware, software, and professional services to assess, purchase, implement, upgrade, and refresh public safety technology in support of 911 emergency computer aided dispatch, police records management, jail management, public safety mobile devices, and fire and rescue services, dispatch and reporting. These mission critical applications must operate in a 7x24 integrated application environment with complete infrastructure system redundancies.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	0								
Capital Project - Software	10,125,000				5,000,000	4,500,000	150,000	200,000	275,000
Technology Equipment-IIT/DPW	424,932	424,932							
Project Management	1,378,439	553,439	175,000	150,000		500,000			
Total Cost:	11,928,371	978,371	175,000	150,000	5,000,000	5,000,000	150,000	200,000	275,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	1,928,371	978,371	175,000	150,000			150,000	200,000	275,000
Capital Leases	10,000,000				5,000,000	5,000,000			
Total Cost:	11,928,371	978,371	175,000	150,000	5,000,000	5,000,000	150,000	200,000	275,000



Capital Project Summary

Capital Project Number: GG5006

PS Project ID: C12549

Capital Project Title: Enterprise GIS FY09 ongoing

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project supports the implementation of the County-wide enterprise Geographic Information System (GIS). GIS includes developing base data layers (parcels, centerlines, addresses, orthophotography, roadway imaging, pictometry); developing applications; creating automated workflows to improve efficiency; data migration; hardware / software upgrades to multiple County departments; and GIS integration with other systems including emergency dispatch, land management, routing systems. Data and costs may be shared with partnering municipalities and federal and state agencies.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	0								
Capital Project - Software	2,000,000		125,000	125,000	125,000		1,375,000	50,000	200,000
Technology Equipment-IIT/DPW	1,775,504	1,775,504							
Total Cost:	3,775,504	1,775,504	125,000	125,000	125,000		1,375,000	50,000	200,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	3,775,504	1,775,504	125,000	125,000	125,000		1,375,000	50,000	200,000
Total Cost:	3,775,504	1,775,504	125,000	125,000	125,000		1,375,000	50,000	200,000



Capital Project Summary

Capital Project Number: GG5007

PS Project ID: C12590

Capital Project Title: ERP System- Software

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2014

Capital Project Status: Open

Capital Project Description:

The project funds an enterprise resource planning system (financials and human resources) refresh.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Project - Software	9,200,000	8,200,000	1,000,000						
Project Management	84,500	84,500							
Total Cost:	9,284,500	8,284,500	1,000,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	334,500	284,500	50,000						
Capital Leases	0	8,000,000	-8,000,000						
General Obligation Bonds	8,950,000		8,950,000						
Total Cost:	9,284,500	8,284,500	1,000,000						



Capital Project Summary

Capital Project Number: GG5008

PS Project ID: C12569

Capital Project Title: Financial System FY09 ongoing

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project supports software, hardware, and professional services to acquire, implement, and upgrade the Enterprise Resource Management System including financials, human resources, procurement, timesheets, treasury, and banking integration modules to ensure effective government financial accountability and management.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	0								
Capital Project - Software	800,000		200,000	100,000	100,000	100,000	100,000	100,000	100,000
Technology Equipment-IIT/DPW	513,719	513,719							
Project Management	48,591	48,591							
Total Cost:	1,362,310	562,310	200,000	100,000	100,000	100,000	100,000	100,000	100,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	1,362,310	562,310	200,000	100,000	100,000	100,000	100,000	100,000	100,000
Total Cost:	1,362,310	562,310	200,000	100,000	100,000	100,000	100,000	100,000	100,000



Capital Project Summary

Capital Project Number: GG5009

PS Project ID: C12008

Capital Project Title: Land Management

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project supports hardware, software, and professional services to access, purchase, implement, upgrade, and refresh the underlying business process engineering, dynamic workflow management, systems integration, open architecture, web services based modules and integration for multi-departmental land management, inspections, and licensing.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Furniture and Equipment	49,860	49,860							
Capital Project - Software	3,350,000		1,500,000	1,500,000		100,000	50,000	50,000	150,000
Technology Equipment-IIT/DPW	350,000	350,000							
Project Management	400,000		200,000	200,000					
Total Cost:	4,149,860	399,860	1,700,000	1,700,000		100,000	50,000	50,000	150,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	671,669	346,169				93,000	46,500	46,500	139,500
Capital Leases	3,162,000		1,581,000	1,581,000					
Transfers from Water and Sewer	290,840	28,340	119,000	119,000		7,000	3,500	3,500	10,500
Transfer from DPDR	25,351	25,351							
Total Cost:	4,149,860	399,860	1,700,000	1,700,000		100,000	50,000	50,000	150,000



Capital Project Summary

Capital Project Number: GG5010

PS Project ID:

Capital Project Title: EAM & Fleet Mgt System - Software

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

The Enterprise Asset Management (EAM) and Fleet Management software would provide functionality for the maintenance of the County's facilities, such as administrative buildings, water and sewer plants, parks, vehicles, etc by automating the processing and scheduling of work orders, inventory of supplies, and track preventative maintenance schedules. It would also integrate into the existing HR and Finance software to track costs and estimate costs of new projects.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Project - Software	1,128,377			1,128,377					
Total Cost:	1,128,377			1,128,377					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Leases	482,079			482,079					
Transfers from Water and Sewer	646,298			646,298					
Total Cost:	1,128,377			1,128,377					



Capital Project Summary

Capital Project Number: GG5015

PS Project ID: C12006

Capital Project Title: Treasury System

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This funding supports the software, hardware and professional services to acquire, implement and upgrade the county's tax and billing management system.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	0								
Capital Project - Software	300,000		100,000			100,000			100,000
Technology Equipment-IIT/DPW	288,474	288,474							
Total Cost:	588,474	288,474	100,000			100,000			100,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	588,474	288,474	100,000			100,000			100,000
Total Cost:	588,474	288,474	100,000			100,000			100,000



Capital Project Summary

Capital Project Number: GG5080

PS Project ID: C12579

Capital Project Title: Video Services On-going Replacement/Upgrade

Region: Countywide

Asset Category: General Government

Est Completion Date: 6/30/2025

Asset Type: Technology

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

This funding supports equipment and technology needed to broadcast County Executive, Council, Board and Commission meetings, produce informative programming and develop internal videos to support the goals of Frederick County Government.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Technology Equipment-IIT/DPW	746,000		13,000	44,000	65,000	42,000	482,000	100,000	
Total Cost:	746,000		13,000	44,000	65,000	42,000	482,000	100,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	746,000		13,000	44,000	65,000	42,000	482,000	100,000	
Total Cost:	746,000		13,000	44,000	65,000	42,000	482,000	100,000	

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WATER AND SEWER

WATER & SEWER

The Frederick County Water and Sewer CIP are funded from a self-supporting enterprise fund. The enterprise obtains its revenue from fees assessed to customers for the provision of water and sewer service. The enterprise fund receives no funding contribution from the County's General Fund.

Funding for water and sewer capacity development is typically obtained through the issuance of General Obligation bonds for which the enterprise has assumed the full burden of payment. The debt service on these bonds is paid for through construction and user fees for projects that benefit existing customers. Capacity development fees, assessed by the enterprise, are based on the estimated cost of the projects approved in the CIP that are programmed for funding by the enterprise fund. A portion of the user rate funds non-growth related projects that benefit existing customers. Since the retirement of debt associated with water and sewer CIP projects is the responsibility of the enterprise, the borrowing of these bonds is not included in the General Fund portion of the County's debt affordability model.

The enterprise's six-year CIP is intended to keep pace with growth by providing the primary elements of the public water supply and sewage disposal systems. Such projects must be consistent with the County's Comprehensive Plan. The CIP also incorporates projects necessary to maintain compliance with the Federal Safe Drinking Water Act and the Clean Water Act.

The following table shows the percentage of each project funded from Water & Sewer Capacity Fees and from Water & Sewer User Rates.

Water & Sewer Project Funding Source	% Project Cost Recovered By		
	<u>Capacity Fees</u>	<u>User Fees</u>	<u>3rd Party Funds</u>
Ballenger-McKinney WWTP Sludge Management	83%		17%
Monrovia Water Storage Tank 2			100%
Lewistown Wastewater Treatment Plant Improvements		42%	58%
Lewistown Wastewater Collection System			100%
Ballenger Elevated Water Tank Painting		100%	
Grease Receiving Station at Ballenger-McKinney WWTP		100%	
Truck Scale at New Design Water Treatment Plant		100%	
Route 355 Water Main Relocations		100%	
Raw Water Intake and Pump Station		100%	
Crestview Sewer Replacement		100%	
Route 180 Sewer Relocation		100%	
SHA Utility Relocations		100%	
Summerfield SPS elimination & sewer extension		100%	

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED**

WATER AND SEWER

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capacity										
Ballenger-McKinney WWTP Sludge Management	59,136,000	59,136,000	0	0	0	0	0	5,320,000	53,816,000	0
Sewerage Problem Area Remediation	0	837,382	0	0	0	0	0	0	0	837,382
Linganore Interceptor 1 - Lower Reach	0	1,505,200	0	0	0	0	0	0	0	1,505,200
Linganore Interceptor 2 - Upper Reach	0	1,062,800	0	0	0	0	0	0	0	1,062,800
Monrovia Water Storage Tank 2	2,953,000	2,953,000	0	0	313,000	2,640,000	0	0	0	0
Developer-Funded Infrastructure	15,000,000	45,000,000	30,000,000	15,000,000	0	0	0	0	0	0
Lewisstown Wastewater Treatment Plant Improvements	96,000	1,056,000	960,000	96,000	0	0	0	0	0	0
Lewisstown Wastewater Collection System	735,000	985,000	250,000	735,000	0	0	0	0	0	0
Total: Capacity	77,920,000	112,535,382	31,210,000	15,831,000	313,000	2,640,000	0	5,320,000	53,816,000	3,405,382
Maintenance										
Ballenger Elevated Water Tank painting	551,250	634,250	83,000	551,250	0	0	0	0	0	0
Grease Receiving Station at Ballenger-McKinney	1,102,500	1,102,500	0	187,500	915,000	0	0	0	0	0
Truck Scale at New Design Water Treatment Plant	604,000	604,000	0	0	0	0	254,000	350,000	0	0
Route 355 Water Main Relocations	518,000	896,000	378,000	518,000	0	0	0	0	0	0
Raw Water Intake and Pump Station Improvements	1,218,000	1,218,000	0	1,218,000	0	0	0	0	0	0
Crestview Sewer Replacement	470,000	470,000	0	470,000	0	0	0	0	0	0
Route 180 Sewer Relocation (Jefferson)	430,000	430,000	0	430,000	0	0	0	0	0	0
SHA Utility Relocations	325,000	325,000	0	325,000	0	0	0	0	0	0
Summerfield SPS elimination & sewer extension	472,000	472,000	0	472,000	0	0	0	0	0	0
Total: Maintenance	5,690,750	6,151,750	461,000	4,171,750	915,000	0	254,000	350,000	0	0
Total: Expense	83,610,750	118,687,132	31,671,000	20,002,750	1,228,000	2,640,000	254,000	5,670,000	53,816,000	3,405,382
FUNDING										
Enterprise Fee & Bonds	55,254,630	58,801,748	1,671,000	4,652,750	915,000	0	254,000	4,765,600	44,667,280	1,876,118
Other	28,356,120	59,885,384	30,000,000	15,350,000	313,000	2,640,000	0	904,400	9,148,720	1,529,264
Total Funding Source	83,610,750	118,687,132	31,671,000	20,002,750	1,228,000	2,640,000	254,000	5,670,000	53,816,000	3,405,382



Capital Project Summary

Capital Project Number: WS1001

PS Project ID:

Capital Project Title: Ballenger-McKinney WWTP Sludge Management

Region: Adamstown, Frederick, New Market, Urbana,...

Asset Category: Water and Sewer

Est Completion Date: 7/26/2024

Asset Type: Capacity

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project was formally known as "McKinney WWTP Phase 1" and includes the design and construction of the first phase (15 MGD) sludge management improvements in accordance with the Ballenger Creek/McKinney WWTP Facility Plan dated March 2006. Per the Facility Plan, improvements are required when the average daily flow reaches 10 MGD. The City of Frederick's portion is assumed to be 17% of the project cost.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	5,651,000						5,320,000	331,000	
Construction WS County Funded	49,000,000							49,000,000	
Capitalized Interest Expense	2,550,000							2,550,000	
Overhead - W/S	370,000							370,000	
Project Management & Inspections	1,565,000							1,565,000	
Total Cost:	59,136,000						5,320,000	53,816,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Enterprise Fund Bonds	46,532,880						4,415,600	42,117,280	
Trf from Cash Fund of Cap Proj	2,550,000							2,550,000	
Municipal Contribution	10,053,120						904,400	9,148,720	
Total Cost:	59,136,000						5,320,000	53,816,000	



Capital Project Summary

Capital Project Number: WS1002

Capital Project Title: Sewerage Problem Area Remediation

Asset Category: Water and Sewer

Asset Type: Capacity

Capital Project Status: Open

PS Project ID:

Region: Adamstown, Frederick, New Market, Urbana,...

Est Completion Date:

Year Identified: 2010

Capital Project Description:

This project serves as a placeholder to remediate sewage problem areas as needed.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	59,382								59,382
Architect/Engineering	107,000								107,000
Construction	577,000								577,000
Capitalized Interest Expense	38,000								38,000
Overhead - W/S	28,000								28,000
Project Management & Inspections	28,000								28,000
Total Cost:	837,382								837,382

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Enterprise Fund Bonds	799,382								799,382
Trf from Cash Fund of Cap Proj	38,000								38,000
Total Cost:	837,382								837,382



Capital Project Summary

Capital Project Number: WS1012

PS Project ID:

Capital Project Title: Lingenore Interceptor 1 - Lower Reach

Region: New Market

Asset Category: Water and Sewer

Est Completion Date: 9/30/2022

Asset Type: Capacity

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Existing pipe unable to meet projected build out peak flows without surcharging. Replacement eliminates pipe segments with sags, reverse slopes, and inflow & infiltration. Projected need between year 2015 and 2025. Information is pursuant to the March 2004 Interceptor Sewer Capacity Analysis prepared by Whitman, Requardt and Associates.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	216,200								216,200
Construction WS County Funded	1,173,000								1,173,000
Capitalized Interest Expense	40,000								40,000
Overhead - W/S	38,000								38,000
Project Management & Inspections	38,000								38,000
Total Cost:	1,505,200								1,505,200

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Enterprise Fund Bonds	634,036								634,036
Trf from Cash Fund of Cap Proj	40,000								40,000
Developer Contributions	831,164								831,164
Total Cost:	1,505,200								1,505,200



Capital Project Summary

Capital Project Number: WS1013

PS Project ID:

Capital Project Title: Linganore Interceptor 2 - Upper Reach

Region: New Market

Asset Category: Water and Sewer

Est Completion Date: 10/27/2023

Asset Type: Capacity

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Interceptor is unable to meet 2025 flows without surcharging. Replacement eliminates existing sewers with reverse slopes and sags, with the new pipe sized for build out flows. Information is pursuant to the March 2004 Interceptor Sewer Capacity Analysis prepared by Whitman, Requardt and Associates.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	147,500								147,500
Construction WS County Funded	778,600								778,600
Capitalized Interest Expense	51,000								51,000
Overhead - W/S	42,850								42,850
Project Management & Inspections	42,850								42,850
Total Cost:	1,062,800								1,062,800

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Enterprise Fund Bonds	313,700								313,700
Trf from Cash Fund of Cap Proj	51,000								51,000
Developer Contributions	698,100								698,100
Total Cost:	1,062,800								1,062,800



Capital Project Summary

Capital Project Number: WS1023

PS Project ID:

Capital Project Title: Monrovia Water Storage Tank 2

Region: New Market

Asset Category: Water and Sewer

Est Completion Date: 6/29/2020

Asset Type: Capacity

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

Developer Funded project for design and construction of a new 1.0 MG elevated water storage tank located on the Landsdale or Monrovia Town Center site. Memorandum of Understanding between developer(s) and Frederick County is required.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	253,000			253,000					
Construction WS County Funded	2,500,000				2,500,000				
Overhead - W/S	60,000			60,000					
Project Management & Inspections	140,000				140,000				
Total Cost:	2,953,000			313,000	2,640,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Developer Contributions	2,953,000			313,000	2,640,000				
Total Cost:	2,953,000			313,000	2,640,000				



Capital Project Summary

Capital Project Number: WS1027

PS Project ID: 012048

Capital Project Title: Ballenger Elevated Water Tank painting

Region: Frederick

Asset Category: Water and Sewer

Est Completion Date: 10/26/2018

Asset Type: Maintenance

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Project includes design, preparation, and application of replacement interior and exterior coatings on the 0.55 MG Ballenger elevated water storage tank. Tank was last painted in 1998 under contract 70A-W.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	52,000	52,000							
Construction WS County Funded	475,000		475,000						
Overhead - W/S	56,000	31,000	25,000						
Project Management & Inspections	51,250		51,250						
Total Cost:	634,250	83,000	551,250						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer from R, R & R	634,250	83,000	551,250						
Total Cost:	634,250	83,000	551,250						



Capital Project Summary

Capital Project Number: WS1028

PS Project ID: 012000

Capital Project Title: Developer-Funded Infrastructure

Region: Countywide

Asset Category: Water and Sewer

Est Completion Date: 6/30/2022

Asset Type: Capacity

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Project contains all developer-funded water and sewer projects constructed under Public Works Agreements (PWAs) and Public Improvement Agreements (PIAs) and includes all sub-projects necessary to track different information. Every year funding will be added to account for these types of projects.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Const WS Developer Funded	45,000,000	30,000,000	15,000,000						
Total Cost:	45,000,000	30,000,000	15,000,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Developer Contributions	45,000,000	30,000,000	15,000,000						
Total Cost:	45,000,000	30,000,000	15,000,000						



Capital Project Summary

Capital Project Number: WS1032

PS Project ID: 211002

Capital Project Title: Lewistown Wastewater Treatment Plant Improvements

Region: Countywide

Asset Category: Water and Sewer

Est Completion Date: 7/2/2018

Asset Type: Capacity

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

The DUSWM currently maintains a sand mound system which serves the Elementary School and Fire Station. This project includes study, design, and construction services required to replace the existing system with a more conventional package treatment system. The engineering study included in this project will identify detailed sizing and other design parameters.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	181,500	165,000	16,500						
Construction WS County Funded	715,000	650,000	65,000						
Overhead - W/S	55,000	50,000	5,000						
Project Management & Inspections	104,500	95,000	9,500						
Total Cost:	1,056,000	960,000	96,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Loan Proceeds	616,000	560,000	56,000						
Transfer from R, R & R	440,000	400,000	40,000						
Total Cost:	1,056,000	960,000	96,000						



Capital Project Summary

Capital Project Number: WS1033

PS Project ID: 211003

Capital Project Title: Lewistown Wastewater Collection System

Region: Countywide

Asset Category: Water and Sewer

Est Completion Date: 12/24/2017

Asset Type: Capacity

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

This project includes the design and construction of a low pressure sewer/grinder pump collectoin system to serve a yet to be defined service area in Lewistown. Funding is expected from a MDE loan/grant and a benefit assessment (BA) which may be levied against each property to be served. An amendment is required to the County Water and Sewerage Plan.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	120,000	120,000							
Construction WS County Funded	735,000		735,000						
Overhead - W/S	45,000	45,000							
Project Management & Inspections	85,000	85,000							
Total Cost:	985,000	250,000	735,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Loan Proceeds	635,000	250,000	385,000						
Contrib from property owners	350,000		350,000						
Total Cost:	985,000	250,000	735,000						



Capital Project Summary

Capital Project Number: WS1034

PS Project ID:

Capital Project Title: Grease Receiving Station at Ballenger-McKinney WWTP

Region: Countywide

Asset Category: Water and Sewer

Est Completion Date: 7/28/2019

Asset Type: Maintenance

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

Project includes study, design, construction, and inspection services required to site and construct a grease receiving station at the Ballenger-McKinney WWTP. An engineering study is included in the project in order to better define design parameters.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	235,000		60,000	175,000					
Construction WS County Funded	650,000			650,000					
Capitalized Interest Expense	52,500		52,500						
Overhead - W/S	75,000		75,000						
Project Management & Inspections	90,000			90,000					
Total Cost:	1,102,500		187,500	915,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer from R, R & R	1,102,500		187,500	915,000					
Total Cost:	1,102,500		187,500	915,000					



Capital Project Summary

Capital Project Number: WS1035

PS Project ID:

Capital Project Title: Truck Scale at New Design Water Treatment Plant

Region: Countywide

Asset Category: Water and Sewer

Est Completion Date: 12/24/2022

Asset Type: Maintenance

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

Project includes design and construction services required to install a truck scale to weigh dried residuals that are produced by the water treatment process and then hauled to an approved disposal site.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	100,000					100,000			
Construction WS County Funded	350,000						350,000		
Capitalized Interest Expense	29,000					29,000			
Overhead - W/S	50,000					50,000			
Project Management & Inspections	75,000					75,000			
Total Cost:	604,000					254,000	350,000		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Enterprise Fund Bonds	575,000					225,000	350,000		
Trf from Cash Fund of Cap Proj	29,000					29,000			
Total Cost:	604,000					254,000	350,000		



Capital Project Summary

Capital Project Number: WS1036

PS Project ID: 105039

Capital Project Title: Route 355 Water Main Relocations

Region: Urbana

Asset Category: Water and Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

The State Highway Administration (SHA) is executing a project to replace the Route 355 bridge over the railroad. The DUSWM maintains a 16-inch water main in Route 355 and on this bridge. This project includes cost to have the required water main relocations designed and constructed under the SHA bridge replacement project so the work can be properly coordinated between all parties involved.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	83,000	60,000	23,000						
Construction WS County Funded	725,000	250,000	475,000						
Capitalized Interest Expense	18,000	18,000							
Overhead - W/S	35,000	25,000	10,000						
Project Management & Inspections	35,000	25,000	10,000						
Total Cost:	896,000	378,000	518,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Enterprise Fund Bonds	0	360,000	-360,000						
Trf from Cash Fund of Cap Proj	896,000	18,000	878,000						
Total Cost:	896,000	378,000	518,000						



Capital Project Summary

Capital Project Number: WS1037

PS Project ID:

Capital Project Title: Raw Water Intake and Pump Station Improvements

Region: Countywide

Asset Category: Water and Sewer

Est Completion Date: 3/31/2019

Asset Type: Maintenance

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

A raw water pump station conveys untreated water from the Potomac River intake structure to the New Design Water Treatment Plant for treatment. There have been issues with debris/sediment and ice accumulation at the intake channel and on the screens so Hazen was retained to investigate and provide recommendations. In addition, Hazen investigated the existing sluice gate hydraulic operators to determine if they should be replaced or repaired. Hazen's study titled "New Design Road Water Treatment Plant Water Intake Structure Modifications Options Analysis" (October 12, 2016) provided the following recommendations that define the design and construction scope for this project:

1. Installation of a full channel aeration grid to eliminate accumulation of sediment and ice in the intake channel.
2. Installation of a small diffuser grid behind the bar racks and a heating system to deice the intake screens.
3. Replacement of sluice gate hydraulic operators.
4. Design shall also address cleaning the screens and channel and a pumping plan to maintain plant operation during construction.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	165,000		165,000						
Construction WS County Funded	825,000		825,000						
Capitalized Interest Expense	58,000		58,000						
Overhead - W/S	85,000		85,000						
Project Management & Inspections	85,000		85,000						
Total Cost:	1,218,000		1,218,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Enterprise Fund Bonds	1,080,000		1,080,000						
Trf from Cash Fund of Cap Proj	58,000		58,000						
Transfer from R, R & R	80,000		80,000						
Total Cost:	1,218,000		1,218,000						



Capital Project Summary

Capital Project Number: WS1038

Capital Project Title: Crestview Sewer Replacement

Asset Category: Water and Sewer

Asset Type: Maintenance

Capital Project Status: Open

PS Project ID:

Region: Countywide

Est Completion Date: 12/30/2017

Year Identified: 2018

Capital Project Description:

Project includes the replacement of approximately 2,200 lf of clay sewer main and 28 laterals at various locations throughout the Crestview Estates development. Entire system was televised and the videos analyzed to determine locations needing replacement in order to reduce inflow/infiltration issues.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	30,000		30,000						
Construction WS County Funded	375,000		375,000						
Overhead - W/S	50,000		50,000						
Project Management & Inspections	15,000		15,000						
Total Cost:	470,000		470,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Trf from Cash Fund of Cap Proj	470,000		470,000						
Total Cost:	470,000		470,000						



Capital Project Summary

Capital Project Number: WS1039

PS Project ID:

Capital Project Title: Route 180 Sewer Relocation (Jefferson)

Region: Countywide

Asset Category: Water and Sewer

Est Completion Date: 10/31/2018

Asset Type: Maintenance

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

The State Highway Administration (SHA) is conducting a streetscape project in Route 180 (Jefferson) under FR3905184. An existing County sewer system is located within the SHA's project work zone and a portion of the sewer requires relocation to reduce impacts and to allow for future maintenance of the lines. Project includes approximately 1,000 lf of new sewer, 6 manholes, abandonment/removal of existing sewer/laterals, and lateral extensions. Design and Construction shall be included in the SHA project as described in a Letter of Agreement between SHA and the County. County contract number is 289-S.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	75,000		75,000						
Construction WS County Funded	325,000		325,000						
Overhead - W/S	15,000		15,000						
Project Management & Inspections	15,000		15,000						
Total Cost:	430,000		430,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Trf from Cash Fund of Cap Proj	430,000		430,000						
Total Cost:	430,000		430,000						



Capital Project Summary

Capital Project Number: WS1040

Capital Project Title: SHA Utility Relocations

Asset Category: Water and Sewer

Asset Type: Maintenance

Capital Project Status: Open

PS Project ID:

Region: Countywide

Est Completion Date:

Year Identified: 2018

Capital Project Description:

This project currently exists under project number 012024. Project purpose is to provide funds as needed to fund County water and sewer relocations required by State Highway Administration (SHA) road and bridge projects. The County is typically responsible for these relocation costs when the SHA has prior rights within their right-of-way. As SHA projects are identified that impact the existing water/sewer system, separate utility relocation projects will be created and funded by project 012024.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	75,000		75,000						
Construction WS County Funded	200,000		200,000						
Overhead - W/S	25,000		25,000						
Project Management & Inspections	25,000		25,000						
Total Cost:	325,000		325,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Trf from Cash Fund of Cap Proj	325,000		325,000						
Total Cost:	325,000		325,000						



Capital Project Summary

Capital Project Number: WS1041

PS Project ID:

Capital Project Title: Summerfield SPS elimination & sewer extension

Region: New Market

Asset Category: Water and Sewer

Est Completion Date: 6/30/2018

Asset Type: Maintenance

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

The project scope includes design, bidding, and construction services required to extend an 8-inch gravity sewer from the existing Summerfield sewage pump station to existing manhole #12 constructed under contract 269A-SW. Project will require obtaining approximately three offsite sewer easements and the elimination of the pump station.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	30,000		30,000						
Architect/Engineering	75,000		75,000						
Construction WS County Funded	300,000		300,000						
Capitalized Interest Expense	17,000		17,000						
Overhead - W/S	25,000		25,000						
Project Management & Inspections	25,000		25,000						
Total Cost:	472,000		472,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Enterprise Fund Bonds	455,000		455,000						
Trf from Cash Fund of Cap Proj	17,000		17,000						
Total Cost:	472,000		472,000						

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SOLID WASTE

SOLID WASTE

The Solid Waste CIP is also funded from a self-supporting fund, the Solid Waste Fund. In addition, the Solid Waste Department is able to issue Enterprise Bonds for large projects. Both revenue sources are the result of user fees and tipping fees paid by the public. Frederick County has only one publicly owned and operated solid waste disposal facility, which is located on Reich's Ford Road. This facility was expanded in land area several years ago and the newest disposal area (Cell 2B) was opened for operation in November 2003.

There are currently no projects programmed.

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PARKS AND RECREATION

PARKS AND RECREATION

The Frederick County Comprehensive Plan Chapter 7, *Serving Our Citizens*, lists two of its five goals as “Provide for community services and facilities in an efficient and timely manner relative to the pace of growth” and “Maintain adequacy of public facilities and services relative to existing and projected targeted populations”. The Frederick County Land Preservation, Parks and Recreation Plan outlines proposals for the development of specific parks and recreation systems. The park/open space system proposed for Frederick County under this Plan includes a variety of recreation areas and facilities to meet the various needs of County residents.

The 2012 Frederick County Land Preservation, Parks and Recreation Plan includes a variety of recreation areas and facilities to meet the various recreational needs of County residents. To gauge the adequate level of recreational acreage, the State of Maryland has a standard for local governments to achieve a goal of 30 acres of parkland for every 1,000 residents. The State standard allows for not only calculating county and municipal parkland acreage, but can also include eligible state and federal parkland, as well as a portion of public school property and a percentage of Natural Resource Lands. Based on the State standard, the County has 41 acres/1,000 population. The State standard allows for the parkland acreage requirements; however this standard does not address public access to the site, nor recreational amenities that may be needed to meet public demand. Therefore, Frederick County will continue to give consideration to acquiring additional parkland in areas of the County that are deemed appropriate.

Note: Based on the differences in function, size, area and population served, parks have been classified into Neighborhood Parks (NP - 1 to 10 acres), Community Parks (CP - 30 to 75 acres) and District/Regional Parks (DP/RP – 100 + acres).

- **Acquisition** - Funding is programmed for each fiscal year to allow acreage recommended in the Land Preservation, Parks and Recreation Plan to be acquired. An acquisition category has been established to permit acquisition of sites in priority areas based upon opportunities as they arise.
- **Old National Pike District Park Phase 2** – Development will include construction of picnic shelters, athletic fields/courts, playgrounds, restrooms, etc. Funding for construction is scheduled for FY2023.
- **Middletown Community Park Development & Rehab** – This project will include both an expansion to the existing park and a rehabilitation of the current facilities. Funding for design is scheduled for FY2019 and construction in FY2021.



Improvements at Loy’s Station Park including expanding parking and a new shelter (funding in prior years)

- **Utica District Park Phase 2** – A redesign was scheduled for FY17 and construction is scheduled for FY19. Improvements include roads & parking, water service, electric utilities, shelters, athletic fields (two of which are synthetic turf fields), athletic field lighting, playgrounds (including an inclusive playground), restrooms, basketball courts, tennis courts, trails, and the construction of a vehicular bridge to cross the creek.
- **Parks Systemics** – Various projects are proposed throughout the six-year including major repairs, maintenance, and upkeep of existing park facilities, roads, and land
- **Master Plans and Feasibilities -**
Four master plans/feasibilities are scheduled during this 6 year program
 - FY2019 – Point of Rocks Regional Park
 - FY2020 – Rocky Ridge Landing Monocacy River Access
 - FY2022 – Ballenger Creek Parks Maintenance area & Widrick House
 - FY2022 – Bridgeport Monocacy River Access

- **Bikeways Trails Program** – This project includes trail development in corridors identified in the Frederick County Bikeways and Trails Plan. Design and construction are scheduled in alternating years



Widrick House

- **Parks/Schools** - This program is designed to provide funding to add recreational facilities not normally associated with the regular BOE program such as storage space, meeting rooms, parks office space, and expanded gyms. Those schools located within the Frederick City limits will be run by the City of Frederick. The following schools are scheduled:
 - Sugarloaf ES: New - FY18
 - Butterfly Ridge ES: New - FY18
 - East County Area ES: New - FY2023

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED**

PARKS & RECREATION

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Parks & Recreation										
Acquisition	2,600,000	7,318,195	4,718,195	100,000	500,000	500,000	500,000	500,000	500,000	0
Old National Pike DP - Ph 2	7,772,565	7,772,565	0	0	0	0	676,132	0	7,096,433	0
Middletown CP Development & Rehab	5,273,216	5,273,216	0	0	755,676	0	4,517,540	0	0	0
Point of Rocks Regional Park	218,400	218,400	0	0	218,400	0	0	0	0	0
Utica DP - Phase 2	16,998,338	18,049,603	1,051,265	0	16,998,338	0	0	0	0	0
Rose Hill Exhibit and Storage Barn	828,500	828,500	0	0	0	0	0	0	828,500	0
Parks Systemic	4,615,774	9,409,146	1,537,812	546,324	813,890	813,890	813,890	813,890	813,890	3,255,560
Ballenger Creek Park Maintenance Area & Widrick House Rehabilitation	114,400	114,400	0	0	0	0	0	114,400	0	0
Bikeways/Trails Program	2,907,023	3,173,860	266,837	0	1,352,265	202,493	1,352,265	0	0	0
Bridgeport Monocacy River Access	114,400	114,400	0	0	0	0	0	114,400	0	0
Rocky Ridge Landing Monocacy River Access	114,500	114,500	0	0	0	114,500	0	0	0	0
Park Schools	2,112,000	2,800,000	688,000	1,312,000	0	0	0	0	800,000	0
South County YMCA, Indoor Pool Partnership	3,000,000	3,600,000	0	0	600,000	600,000	600,000	600,000	600,000	600,000
Total: Parks & Recreation	46,669,116	58,786,785	8,262,109	1,958,324	21,238,569	2,230,883	8,459,827	2,142,690	10,638,823	3,855,560
Unallocated Project	(2,003,612)	0	2,003,612	0	(2,003,612)	0	0	0	0	0
Total: Unallocated Project	(2,003,612)	0	2,003,612	0	(2,003,612)	0	0	0	0	0
Total: Exeption	44,665,504	58,786,785	10,265,721	1,958,324	19,234,957	2,230,883	8,459,827	2,142,690	10,638,823	3,855,560
FUNDING										
General Fund	5,194,649	7,795,301	745,092	296,324	913,890	913,890	1,013,965	1,142,690	913,890	1,855,560
General Fund Bonds & Capital Lease	12,231,670	16,210,445	1,978,775	919,000	6,083,217	500,000	500,000	500,000	3,729,453	2,000,000
Recordation Tax & Bonds	25,753,183	30,587,926	4,834,743	695,333	11,590,183	769,326	6,298,195	452,333	5,947,813	0
Grants	1,486,002	4,068,113	2,582,111	47,667	647,667	47,667	647,667	47,667	47,667	0
Other	0	125,000	125,000	0	0	0	0	0	0	0
Total Funding Source	44,665,504	58,786,785	10,265,721	1,958,324	19,234,957	2,230,883	8,459,827	2,142,690	10,638,823	3,855,560

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Capital Project Summary

Capital Project Number: PR0001

PS Project ID: C47099

Capital Project Title: Acquisition

**Region: Middletown, New Market,
Thurmont, Walkersville**

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

The unallocated acquisition category was established to permit acquisition of park sites based upon opportunities as they arise. Once an option to purchase is executed, a separate project can be created and the appropriate funds transferred. The following priority areas of projects are scheduled: Emmitsburg/ Thurmont Area RP/DP, New Market/ Spring Ridge Area CP, and Green Valley/Monrovia Area CP.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	7,318,195	4,718,195	100,000	500,000	500,000	500,000	500,000	500,000	
Total Cost:	7,318,195	4,718,195	100,000	500,000	500,000	500,000	500,000	500,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Dept of Natural Resources	2,608,556	2,322,554	47,667	47,667	47,667	47,667	47,667	47,667	
Transfer From General Fund	0								
Transfer From 23 Fund	688,642	688,642							
Recordation Tax Bonds	4,020,997	1,706,999	52,333	452,333	452,333	452,333	452,333	452,333	
Total Cost:	7,318,195	4,718,195	100,000	500,000	500,000	500,000	500,000	500,000	



Capital Project Summary

Capital Project Number: PR1026

PS Project ID:

Capital Project Title: Old National Pike DP - Ph 2

Region: New Market

Asset Category: Parks & Recreation

Est Completion Date: 6/27/2023

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Development will include construction of facilities such as picnic shelters, basketball courts, tennis courts, athletic fields, athletic field lights, playgrounds, volleyball courts, restrooms, concession/comfort stations, an amphitheater, paved hike/bike trail, landscaping, roads and parking lots. Additional phases will be determined in future CIP requests. FY2018 IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	199,998							199,998	
Architect/Engineering	597,723					597,723			
Construction	5,998,823							5,998,823	
IIT Infrastructure	30,150							30,150	
Furniture and Equipment	522,700							522,700	
Technology Equipment-IIT/DPW	58,400							58,400	
Inspections	307,571					52,409		255,162	
Project Management	57,200					26,000		31,200	
Total Cost:	7,772,565					676,132		7,096,433	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From 23 Fund	2,176,132					676,132		1,500,000	
General Obligation Bonds	2,429,453							2,429,453	
Recordation Tax Bonds	3,166,980							3,166,980	
Total Cost:	7,772,565					676,132		7,096,433	



Capital Project Summary

Capital Project Number: PR1028

PS Project ID:

Capital Project Title: Middletown CP Development & Rehab

Region: Middletown

Asset Category: Parks & Recreation

Est Completion Date: 9/4/2021

Asset Type: Parks & Recreation

Year Identified: 2013

Capital Project Status: Open

Capital Project Description:

This project includes both an expansion to the existing Community Park and a rehabilitation of current facilities, where appropriate. The expansion portion of the project is requested to emphasize development in the eastern section of the Park. Construction may include the development of a soccer/football field, little league field, parking lot, playground, restroom, and pond dredging with bank erosion protection. Construction of a restroom near the pond and installation of athletic field lighting for two (2) softball and two (2) little league fields and replacement of existing perimeter guardrail may also be accomplished. The rehabilitation portion of the project is intended to make improvements to park components that have reached the end of their life cycle. Park amenities and facilities projected to be included in this portion of this project may include, where appropriate, replacement of both entrance signs; repair/resurfacing of road/walkway paving; install paved sidewalk over dam; replace bleacher pad pavement with concrete; pave maintenance yard and enlarge overflow parking lot; replace shop and concession roofing; replace shelter electrical systems; improvements to pond; replace aerator system; replace truck shed and wood shop; install bulk storage bins; replace maintenance yard fence, replace all backstops/overthrow and outfield fences, replace fountains, valve vault and valves and water piping as needed, rehab restroom interior and replace street lights where needed, install lights along maintenance road and recycling area, and install security lighting/camera system in shop yard. Project will also include updating/amending the current Park Master Plan to include a skate spot, which was approved by the BOCC on September 15, 2009. Some miscellaneous park equipment may also be replaced, as appropriate. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	21,092					21,092			
Site Improvement	196,589			196,589					
Architect/Engineering	474,997			474,997					
Construction	4,096,563					4,096,563			
IIT Infrastructure	57,350					57,350			
Furniture and Equipment	117,260					117,260			
Technology Equipment-IIT/DPW	22,400					22,400			
Inspections	224,565			52,890		171,675			
Project Management	62,400			31,200		31,200			
Total Cost:	5,273,216			755,676		4,517,540			

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From 23 Fund	5,273,216			755,676		4,517,540			
Total Cost:	5,273,216			755,676		4,517,540			



Capital Project Summary

Capital Project Number: PR1031

PS Project ID:

Capital Project Title: Point of Rocks Regional Park

Region: Adamstown

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

A site was acquired in 2010. A Master Plan in FY 2021 is the first step in development and creates a long-range comprehensive vision for the park. During the master planning process, the site is considered in the context of the surrounding neighborhood, as well as one park of many within the Frederick County Parks and Recreation system. When approved, this document will serve as a long-term decision making tool to be referred to during future design and construction projects. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Planning/Study	208,000			208,000					
Project Management	10,400			10,400					
Total Cost:	218,400			218,400					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From 23 Fund	218,400			218,400					
Total Cost:	218,400			218,400					



Capital Project Summary

Capital Project Number: PR1032

PS Project ID: C47039

Capital Project Title: Utica DP - Phase 2

Region: Frederick

Asset Category: Parks & Recreation

Est Completion Date: 7/1/2021

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Facilities scheduled for development in Phase 2 include roads & parking, water service, electric utilities, shelters, athletic fields (two of which are synthetic turf fields), athletic field lighting, playgrounds (including an inclusive playground), restrooms, basketball courts, tennis courts, trails, and the construction of a vehicular bridge to cross the creek. Some of these improvements would be for facilities that were not constructed in Phase 1 due to funding constraints. Funding is allocated under site improvements to continue preservation work on the Snook Family Farmstead possibly utilizing the partnership agreement with the NPS. The first priority would be to renovate the main house and to undertake any stabilization work as needed on the remaining structures. Additional phases will be submitted separately as part of future CIP requests. FY2018: Description revised to reflect accurate scope. IIT costs adjusted per IIT review; other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	151,503			151,503					
Site Improvement	2,291,943	11,958		2,279,985					
Architect/Engineering	706,777	650,777		56,000					
Construction	13,859,130	295,130		13,564,000					
IIT Infrastructure	86,350			86,350					
Project Management & Inspections	230,710	15,370		215,340					
Furniture and Equipment	535,600			535,600					
Technology Equipment-IIT/DPW	67,960			67,960					
Project Management	119,630	78,030		41,600					
Total Cost:	18,049,603	1,051,265		16,998,338					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Contributions & Donations	125,000	125,000							
Transfer From 23 Fund	6,850,611	435,490		6,415,121					
General Obligation Bonds	6,073,992	490,775		5,583,217					
Recordation Tax Bonds	5,000,000			5,000,000					
Total Cost:	18,049,603	1,051,265		16,998,338					



Capital Project Summary

Capital Project Number: PR1033

PS Project ID:

Capital Project Title: Rose Hill Exhibit and Storage Barn

Region: Frederick

Asset Category: Parks & Recreation

Est Completion Date: 7/4/2019

Asset Type: Parks & Recreation

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

The Rose Hill Manor Park & Museum Master Plan was completed in 2009. In this Master Plan, a proposed exhibit barn was identified on the north side of the stream. Letters of support for the construction of this proposed barn have been received from the Frederick County Farm Museum Association, Rose Hill Museum Council and the Frederick County Parks and Recreation Commission. This barn will provide 4,500 square feet of exhibit and storage space for the Frederick County Farm Museum Association, as well as 1,500 square feet of storage space for the Division of Parks and Recreation. Barn exterior will closely match the appearance (materials/colors) of the existing dairy and bank barns, including siding, roofing, windows and walk through doors. Barn will also provide sliding exterior doors to accommodate large farming equipment, concrete/cement flooring, loft area for material storage, electric service with interior/exterior lighting and outlets, interior ventilation/fans and frost free water hydrants.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	90,000							90,000	
Architect/Engineering	55,000							55,000	
Construction	550,000							550,000	
IIT Infrastructure	13,900							13,900	
Project Management & Inspections	80,000							80,000	
Technology Equipment-IIT/DPW	9,600							9,600	
Project Management	30,000							30,000	
Total Cost:	828,500							828,500	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From 23 Fund	828,500							828,500	
Total Cost:	828,500							828,500	



Capital Project Summary

Capital Project Number: PR2000

PS Project ID: C47062

Capital Project Title: Parks Systemic

Region: Countywide

Asset Category: Parks & Recreation

Est Completion Date: 7/14/2025

Asset Type: Parks & Recreation

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

This project anticipates future maintenance required for park components that have reached the end of their life cycle, including but not limited to: shelter roof replacements; fencing; repair and paving of parking lots and paths, including sidewalk and curb and replacement of park signage; and security cameras. For FY2018 the focus will be to repave parking lots at select parks and replace/upgrade existing wooden park signage. FY2018: Costs escalated 4%

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	384,969	65,049	22,398	33,058	33,058	33,058	33,058	33,058	132,232
Architect/Engineering	635,416	84,156	31,141	57,791	57,791	57,791	57,791	57,791	231,164
Construction	7,623,790	1,263,506	447,986	656,922	656,922	656,922	656,922	656,922	2,627,688
Project Management & Inspections	105,101	105,101							
Inspections	385,070		23,999	40,119	40,119	40,119	40,119	40,119	160,476
Project Management	274,800	20,000	20,800	26,000	26,000	26,000	26,000	26,000	104,000
Total Cost:	9,409,146	1,537,812	546,324	813,890	813,890	813,890	813,890	813,890	3,255,560

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	3,859,146	737,812	296,324	313,890	313,890	313,890	313,890	313,890	1,255,560
General Obligation Bonds	5,550,000	800,000	250,000	500,000	500,000	500,000	500,000	500,000	2,000,000
Total Cost:	9,409,146	1,537,812	546,324	813,890	813,890	813,890	813,890	813,890	3,255,560



Capital Project Summary

Capital Project Number: PR2009

PS Project ID:

Capital Project Title: Ballenger Creek Park Maintenance Area & Widrick House Rehabilitation

Region: Frederick

Asset Category: Parks & Recreation

Est Completion Date: 7/2/2022

Asset Type: Parks & Recreation

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

Adjacent to Ballenger Creek Park, the George Widrick house was acquired in 2010. The house, which was built circa 1795, is listed in the National Register of Historic Places by the National Park Service. Parks and Recreation staff has researched and explored potential uses of the property, which would include renting the house and surrounding property as an event facility. In addition, this project will look at rehabilitation of the nearby Park Maintenance Building and Yard, to accommodate potential offices for Parks and Recreation operations staff, additional space for equipment and material storage, restroom facilities and event parking. In order to determine the best use of the house and site, a concept study will need to be completed prior to design and construction and to ascertain cost estimates for future CIP requests. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Planning/Study	104,000						104,000		
Project Management	10,400						10,400		
Total Cost:	114,400						114,400		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	114,400						114,400		
Total Cost:	114,400						114,400		



Capital Project Summary

Capital Project Number: PR3001

PS Project ID: C47053

Capital Project Title: Bikeways/Trails Program

Region: Frederick

Asset Category: Parks & Recreation

Est Completion Date: 10/29/2021

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

The initial phase of the Bikeways/Trails Program involves the development of the Ballenger Creek Corridor. Subsequent sites will involve trail development in corridors identified in the Frederick County Bikeways and Trail Plan. In this CIP request, the County would be scheduling alternating design and construction funding years from FY2018 to FY2020. In the future, funding may be needed for trail acquisition or easements. It is anticipated that County construction funds can be matched with 50/50 matching grants from the Federal Transportation Enhancement Grant Program (TEP) for development phases. FY2018: Funding delayed one year. Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	439,785	266,837			172,948				
Construction	2,515,894			1,257,947		1,257,947			
Project Management & Inspections	0								
Inspections	155,781			68,318	19,145	68,318			
Project Management	62,400			26,000	10,400	26,000			
Total Cost:	3,173,860	266,837		1,352,265	202,493	1,352,265			

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Federal, TEA-21	1,459,557	259,557		600,000		600,000			
Transfer From General Fund	107,355	7,280				100,075			
Transfer From 23 Fund	1,606,948			752,265	202,493	652,190			
Total Cost:	3,173,860	266,837		1,352,265	202,493	1,352,265			



Capital Project Summary

Capital Project Number: PR3005

PS Project ID:

Capital Project Title: Bridgeport Monocacy River Access

Region: Thurmont

Asset Category: Parks & Recreation

Est Completion Date: 1/5/2023

Asset Type: Parks & Recreation

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

The Frederick County Division of Parks and Recreation is partnering with the Carroll County Department of Recreation and Parks to develop a public river access in the area of the new Route 140 Bridge over the Monocacy River. Due to the limited vehicular access to this site, a 7-acre parcel was purchased adjacent to the bridge site, using POS Acquisition funding from both Counties. Both County agencies are currently looking into potential grant funding for master planning, design and construction of a river access at this site. Because of this, any required matching County funds will need to be scheduled in the appropriate fiscal year. Funding for developing a Park Master Plan is requested in FY2022. Development of this river access park will include an entrance off of Bridgeport Road, roadway, parking, picnic area, bulletin board, portable restroom enclosure, concrete ramp to river for carry-in boat launch, ADA accessible access for fishing, guardrail, appropriate park signage, and landscaping. In addition to these facilities, Parks and Recreation staff will also investigate the feasibility of adding a picnic shelter, a small playground, as well as a vaulted restroom. Since a majority of the property is in the 100-year flood plain, all improvements to the site will need to be reviewed by the Zoning Administrator prior to any approval of the master plan. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Planning/Study	104,000						104,000		
Project Management	10,400						10,400		
Total Cost:	114,400						114,400		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	114,400						114,400		
Total Cost:	114,400						114,400		



Capital Project Summary

Capital Project Number: PR3006

PS Project ID:

Capital Project Title: Rocky Ridge Landing Monocacy River Access

Region: Thurmont

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

Rocky Ridge Landing is located two miles east of Rocky Ridge on the south side of Maryland Route 77 at the Monocacy River. This unimproved site currently provides citizens access to the Monocacy River for various recreational opportunities, by way of a limited parking area along a widened road shoulder. Parks and Recreation staff would like to formalize this site by requesting funding for the implementation of a Master Plan in FY2023, which will assist in determining future park development. Typical facilities for a river access park will include an entrance off of Maryland Route 77, roadway, parking, picnic area, bulletin board, portable restrooms enclosure, concrete ramp to river for carry-in boat launch, ADA accessible access for fishing, guardrail, park signage and landscaping. In addition to these facilities, Parks and Recreation staff will also investigate the feasibility of adding a picnic shelter, a small playground, and a vaulted restroom. Since a large portion of the property is in the 100-year flood plain, all improvements to the site will need to be reviewed by the Zoning Administrator prior to any approval of the Master Plan. As part of the master planning process, a boundary survey will need to be completed and monuments installed at all property corners.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Planning/Study	104,000				104,000				
Project Management	10,500				10,500				
Total Cost:	114,500				114,500				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From 23 Fund	114,500				114,500				
Total Cost:	114,500				114,500				



Capital Project Summary

Capital Project Number: PR3501

PS Project ID: C47052

Capital Project Title: Park Schools

Region:

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Development funding will provide recreational facilities not normally associated with the regular FCPS program such as a regulation size gym, recreation room, office and storage. Park School facilities generally are placed at elementary schools. Specifics related to schedules and total costs need to be coordinated with the FCPS. FCPS is requesting Park School facilities for the following sites: Sugarloaf Elementary School and Butterfly Ridge Elementary School in FY2018 and East County Elementary School in FY2023. Since Butterfly Ridge Elementary School will be located within the City of Frederick, any and all operational costs related to these facilities will be incurred by the City. Costs for construction are based on the actual bid for the schools in FY2018 and estimated to at \$800,000 for future Park/School site, based upon data provided by FCPS Staff.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Appropriations	688,000	688,000							
Construction - County Share	2,112,000		1,312,000					800,000	
Total Cost:	2,800,000	688,000	1,312,000					800,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
General Obligation Bonds	2,157,000	688,000	669,000					800,000	
Recordation Tax Bonds	643,000		643,000						
Total Cost:	2,800,000	688,000	1,312,000					800,000	



Capital Project Summary

Capital Project Number: PR8002

PS Project ID:

Capital Project Title: South County YMCA, Indoor Pool Partnership

Region: Urbana

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

This project would provide funding by the County to partner with the Young Men's Christian Association (YMCA) and assist the YMCA in construction of the indoor swimming portion of a proposed YMCA facility, to be located in Urbana. In exchange for capital funding support, County residents who are not YMCA members would have the use of the indoor pool at agreed upon rates and scheduled times. The YMCA would also provide rental pool time to FCPS and community swim teams. The indoor pool portion of the proposed Urbana YMCA would include: eight-lane swimming/competitive pool, warm water teaching indoor family pool with interactive play features, locker rooms, spectator seating and a separate entrance for aquatic patrons.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Approp - Other Parties	3,600,000			600,000	600,000	600,000	600,000	600,000	600,000
Total Cost:	3,600,000			600,000	600,000	600,000	600,000	600,000	600,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	3,600,000			600,000	600,000	600,000	600,000	600,000	600,000
Total Cost:	3,600,000			600,000	600,000	600,000	600,000	600,000	600,000

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WATERSHED RESTORATION

WATERSHED RESTORATION AND RETROFIT

The Watershed Restoration and Retrofit CIP includes projects that meet requirements of the National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) program, County-owned Industrial Discharge Permits for Stormwater, and County Chesapeake Bay and Local Total Maximum Daily Load (TMDL) requirements. Based on guidelines identified in the Clean Water Act, these programs seek the reduction of pollutants from stormwater. The NPDES MS4 permit, Industrial Stormwater permits, and TMDL programs are administered by the United States Environmental Protection Agency with permitting and enforcement delegated to the Maryland Department of the Environment (MDE). The Office of Sustainability and Environmental Resources of the Community Development Division is responsible for implementing these required programs for Frederick County government. Along with stormwater management retrofit and restoration projects, the program calls for watershed and TMDL plans, public education and outreach, resource mapping, water monitoring systems to detect pollutant discharge and an increased focus on site development, in addition to other requirements. Ultimately, these programs seek to provide long-term protection of our water resources from stormwater impacts.

Projects included in the approved CIP are:

- **Retrofits**
 - County Owned Stormwater Facilities
 - Point of Rocks Pond
- **Restorations**
 - Point of Rocks Stream
 - Little Hunting Creek



Englandtowne stormwater pond retrofit (funded in prior years) – Replaced the existing riser structure (above) with HDPE pipe and a weir structure which will feed into riprap lined step pools that will slow the flow of water and prevent erosion as it re-enters downstream (below)



Continued Projects:

- **Reforestation Program**
- **Point of Rocks Bioswales and Bioretention**
- **Englandtowne Bioswale**
- **Open Section Road Field Verification**



Englandtowne stream (funded in prior years as part of the Bennett Creek watershed project) – This project improved the drainage, protected the stream banks from severe erosion and will help improve water quality. (Before – top; After – bottom)



**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED**

WATERSHED RESTORATION & RETROFITS

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Watershed Restoration & Retrofit										
County-Owned Stormwater Facility Retrofits	7,868,106	10,092,598	2,224,492	1,641,116	3,928,121	2,298,869	0	0	0	0
Point of Rocks Stream Restoration	3,087,816	4,546,941	1,459,125	3,087,816	0	0	0	0	0	0
Point of Rocks Pond Retrofit	535,522	891,292	355,770	0	535,522	0	0	0	0	0
Little Hunting Creek Stream Restoration Phase 1	1,155,810	1,704,805	548,995	1,155,810	0	0	0	0	0	0
Little Hunting Creek Stream Restoration Phase 2	1,662,537	1,662,537	0	0	570,955	1,091,582	0	0	0	0
Little Hunting Creek Stream Restoration Phase 3	1,662,537	1,662,537	0	0	570,955	1,091,582	0	0	0	0
Reforestation Program	5,888,748	7,331,998	1,443,250	1,554,653	2,334,095	2,000,000	0	0	0	0
Point of Rocks Bioswales & Bioretention	392,556	574,257	181,701	392,556	0	0	0	0	0	0
Englestowne Bioswale (Upper Reach)	410,000	410,000	0	80,000	330,000	0	0	0	0	0
Open Section Road Field Verification	500,000	500,000	0	500,000	0	0	0	0	0	0
Watershed Systemics	17,250,000	40,250,000	0	0	0	0	5,750,000	5,750,000	5,750,000	23,000,000
Total: Watershed Restoration & Retrofit	40,413,632	69,626,965	6,213,333	8,411,951	8,269,648	6,482,033	5,750,000	5,750,000	5,750,000	23,000,000
Total: Exeption	40,413,632	69,626,965	6,213,333	8,411,951	8,269,648	6,482,033	5,750,000	5,750,000	5,750,000	23,000,000
FUNDING										
General Fund	15,235,632	42,989,840	4,754,208	3,661,951	4,269,648	3,184,033	1,040,000	1,040,000	2,040,000	23,000,000
General Fund Bonds & Capital Lease	25,178,000	26,637,125	1,459,125	4,750,000	4,000,000	3,298,000	4,710,000	4,710,000	3,710,000	0
Total Funding Source	40,413,632	69,626,965	6,213,333	8,411,951	8,269,648	6,482,033	5,750,000	5,750,000	5,750,000	23,000,000

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Capital Project Summary

Capital Project Number: WR1026

PS Project ID: C48022

Capital Project Title: County-Owned Stormwater Facility Retrofits (formerly Industrial Facility Retrofits)

Region: Countywide

Asset Category: Watershed Restoration & Retrofit

Est Completion Date: 7/3/2020

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

This project provides design and construction funds for recommended retrofits per the Phase A County-owned Industrial Facility Assessment. The objective of these funds is to meet the impervious acre restoration requirement for the Industrial Facility Permit - "General Discharge Permit for Stormwater Associates with Industrial Facilities." FY2018: Name changed to County-Owned Stormwater Facility Retrofits. Costs adjusted per Office of Sustainability estimates.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	130,316	55,000	75,316						
Architect/Engineering	2,551,214	878,752	1,000,000		672,462				
Construction	7,324,268	1,269,740	500,000	3,928,121	1,626,407				
Project Management & Inspections	66,000	21,000	45,000						
Project Management	20,800		20,800						
Total Cost:	10,092,598	2,224,492	1,641,116	3,928,121	2,298,869				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	4,794,598	2,224,492	641,116	928,121	1,000,869				
General Obligation Bonds	5,298,000		1,000,000	3,000,000	1,298,000				
Total Cost:	10,092,598	2,224,492	1,641,116	3,928,121	2,298,869				



Capital Project Summary

Capital Project Number: WR1034

PS Project ID: C48030

Capital Project Title: Point of Rocks Stream Restoration

Region: Brunswick

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

This stream restoration is one outcome from Phase 1 of the Point of Rocks Stormwater Master Plan (WR1023/CR48014). Severe erosion was observed in the streambanks of stream draining into the Potomac River through the center of the Point of Rocks catchment area of Frederick County. This stream runs adjacent to a County-owned trail and park and backs up to several parcels of private property. The objective of this project is to improve the water quality and reduce stormwater runoff in an effort to meet the County's NPDES permit requirements (i.e., impervious acre treatment and TMDL goals) and protect the County's assets. The design cost includes a closed pipe analysis to determine the capacity needs for the storm drain network. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	100,000	100,000							
Site Improvement	200,000	200,000							
Architect/Engineering	1,089,125	1,089,125							
Construction	3,002,536		3,002,536						
Project Management & Inspections	134,480	70,000	64,480						
Project Management	20,800		20,800						
Total Cost:	4,546,941	1,459,125	3,087,816						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	87,816		87,816						
General Obligation Bonds	4,459,125	1,459,125	3,000,000						
Total Cost:	4,546,941	1,459,125	3,087,816						



Capital Project Summary

Capital Project Number: WR1035

PS Project ID: C48031

Capital Project Title: Point of Rocks Pond Retrofit

Region: Brunswick

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

The existing stormwater facility is an in-line stormwater pond within the Point of Rocks stream. The pond was built prior to 2002 and was designed to handle rainfall runoff for shorter storm events and smaller volumes of runoff than present-day ponds. In addition, the pond was not originally designed to serve a water quality function. The objective will be to reconfigure this pond in conjunction with the Point of Rocks Stream Restoration project to maximize pollutant removal and potentially increase runoff detention and flood-control functions. These improvements will be counted towards the impervious acre treatment and pollutant reduction requirements of the NPDES MS4 Permit. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	20,000	20,000							
Site Improvement	38,989	38,989							
Architect/Engineering	271,781	271,781							
Construction	492,882			492,882					
Project Management & Inspections	46,840	25,000		21,840					
Project Management	20,800			20,800					
Total Cost:	891,292	355,770		535,522					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	891,292	355,770		535,522					
Total Cost:	891,292	355,770		535,522					



Capital Project Summary

Capital Project Number: WR1036

PS Project ID: C48032

Capital Project Title: Little Hunting Creek Stream Restoration Phase 1

Region: Thurmont

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

As part of the FY 2015 CIP (WR1024), Little Hunting Creek subwatershed is evaluated for potential restoration sites. The subwatershed encompasses approximately five miles of stream. It is anticipated that a stream restoration project is needed to improve drainage and restore and protect stream banks and prevent property loss from erosion while improving water quality. The five miles of anticipated stream restoration are broken into smaller, more manageable segments. This project is Phase 1 of the stream restoration or the first segment. The project will serve as restoration credit for the MS4 NPDES permit. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	41,000	41,000							
Site Improvement	82,000	82,000							
Architect/Engineering	374,745	374,745							
Construction	1,081,190		1,081,190						
Project Management & Inspections	26,250	26,250							
Inspections	53,820		53,820						
Project Management	45,800	25,000	20,800						
Total Cost:	1,704,805	548,995	1,155,810						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	1,704,805	548,995	1,155,810						
Total Cost:	1,704,805	548,995	1,155,810						



Capital Project Summary

Capital Project Number: WR1037

PS Project ID:

Capital Project Title: Little Hunting Creek Stream Restoration Phase 2

Region: Thurmont

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

As part of the FY 2015 CIP (WR1024), Little Hunting Creek subwatershed is evaluated for potential restoration sites. The subwatershed encompasses approximately five miles of stream. It is anticipated that a stream restoration project is needed to improve drainage and restore and protect stream banks and prevent property loss from erosion while improving water quality. The five miles of anticipated stream restoration are broken into smaller, more manageable segments. This project is Phase 2 of the stream restoration or the second segment. The project will serve as restoration credit for the MS4 NPDES permit. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	42,640			42,640					
Site Improvement	85,280			85,280					
Architect/Engineering	389,735			389,735					
Construction	1,016,962				1,016,962				
Project Management & Inspections	81,120			27,300	53,820				
Project Management	46,800			26,000	20,800				
Total Cost:	1,662,537			570,955	1,091,582				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	1,662,537			570,955	1,091,582				
Total Cost:	1,662,537			570,955	1,091,582				



Capital Project Summary

Capital Project Number: WR1038

PS Project ID:

Capital Project Title: Little Hunting Creek Stream Restoration Phase 3

Region: Thurmont

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

As part of the FY 2015 CIP, Little Hunting Creek subwatershed is evaluated for potential restoration sites. The subwatershed encompasses approximately five miles of stream. It is anticipated that a stream restoration project is needed to improve drainage and restore and protect stream banks and prevent property loss from erosion while improving water quality. The five miles of anticipated stream restoration are broken into smaller, more manageable segments. This project is Phase 3 of the stream restoration or the third segment. The project will serve as restoration credit for the MS4 NPDES permit. FY2018: Costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	42,640			42,640					
Site Improvement	85,280			85,280					
Architect/Engineering	389,735			389,735					
Construction	1,016,962				1,016,962				
Project Management & Inspections	81,120			27,300	53,820				
Project Management	46,800			26,000	20,800				
Total Cost:	1,662,537			570,955	1,091,582				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	1,662,537			570,955	1,091,582				
Total Cost:	1,662,537			570,955	1,091,582				



Capital Project Summary

Capital Project Number: WR1039

PS Project ID: C48034

Capital Project Title: Reforestation Program

Region: Countywide

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

This program will be managed by the Office of Sustainability and Environmental Resource's on-staff licensed forester. FY2018: Costs adjusted per Office of Sustainability estimates.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	3,126,264		829,148	1,230,450	1,066,666				
Site Improvement	781,567		207,287	307,613	266,667				
Construction	3,424,167	1,443,250	518,218	796,032	666,667				
Total Cost:	7,331,998	1,443,250	1,554,653	2,334,095	2,000,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	3,581,998	1,443,250	804,653	1,334,095					
General Obligation Bonds	3,750,000		750,000	1,000,000	2,000,000				
Total Cost:	7,331,998	1,443,250	1,554,653	2,334,095	2,000,000				



Capital Project Summary

Capital Project Number: WR1040

PS Project ID: C48033

Capital Project Title: Point of Rocks Bioswales & Bioretention

Region: Brunswick

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

16 bioretention/bioswale projects are an outcome of Phase 1 of the Point of Rocks Stormwater Master Plan (POR SWMP - C48014). Bioswales and bioretention are practices used in an attempt to mimic pre-development hydrology by treating and infiltrating runoff at the source. All 16 projects are located on County-owned property or within the County's road right-of-way. The objective is to improve water quality and reduce stormwater runoff to meet the County's NPDES permit requirements (i.e., impervious acre treatment and TMDL goals) and protect the County's assets. FY2018: Project costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	5,125	5,125							
Site Improvement	27,675	27,675							
Architect/Engineering	103,801	103,801							
Construction	359,842		359,842						
Project Management & Inspections	47,414	25,100	22,314						
Project Management	30,400	20,000	10,400						
Total Cost:	574,257	181,701	392,556						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	574,257	181,701	392,556						
Total Cost:	574,257	181,701	392,556						



Capital Project Summary

Capital Project Number: WR1041

PS Project ID:

Capital Project Title: Englandtowne Bioswale (Upper Reach)

Region: Adamstown

Asset Category: Watershed Restoration & Retrofit

Est Completion Date: 7/2/2019

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

The objective of this project is to improve water quality and reduce stormwater runoff in an effort to meet the County's NPDES permit requirements (i.e., impervious acre treatment and TMDL goals) and protect County assets (e.g., stream restoration, stormwater pond) in the upper reach area of the Englandtowne Stream Restoration. Stormwater flows from a culvert through a drainage swale and drains directly into the tributary to Fahrney Branch that was restored in 2014. The drainage swale is about 650 feet and involves two private property owners.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	15,000		15,000						
Architect/Engineering	50,000		50,000						
Construction	300,000			300,000					
Project Management & Inspections	30,000			30,000					
Project Management	15,000		15,000						
Total Cost:	410,000		80,000	330,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	410,000		80,000	330,000					
Total Cost:	410,000		80,000	330,000					



Capital Project Summary

Capital Project Number: WR1089

PS Project ID:

Capital Project Title: Open Section Road Field Verification

Region: Adamstown, Brunswick, Frederick, Middletown,...

Asset Category: Watershed Restoration & Retrofit

Est Completion Date: 8/3/2018

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

As part of the County's plan to meet the 20% of untreated impervious area goal, OSER intends to conduct a study of County open section roadways using SHA's "Existing Water Quality Grass Swale Identification Protocol" for submission to MDE. This Protocol is used to identify existing grass swales for impervious area treatment and load reduction credit systems by assessing and documenting existing grass channels that approximate the current MDE stormwater management criteria. By using GIS analysis, topographic data, aerial photography, hydraulic analysis and field verification, the Protocol will determine drainage areas, slopes, ditch lengths, bottom widths, velocities and lining material (i.e., grass, concrete, or rip-rap) in order to identify swales that currently provide water quality treatment. This assessment may also identify channels that do not meet the current criteria but may be candidates for future retrofits.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Planning/Study	500,000		500,000						
Total Cost:	500,000		500,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	500,000		500,000						
Total Cost:	500,000		500,000						



Capital Project Summary

Capital Project Number: WR1099

PS Project ID:

Capital Project Title: Watershed Systemics

Region:

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

This project serves as a place holder for projects pertaining to the on-going permit requirements. Two types of project identified are stormwater pond retrofits and stream restorations. Stormwater Pond Retrofits are structural stormwater management measures for urban watersheds. They help to minimize accelerated channel erosion, reduce pollutant loads, promote conditions for improved aquatic habitat, and correct past mistakes. Stream restoration re-establishes the general structure, function, and self-sustaining behavior of the stream system that existed prior to disturbance. A broad range of measures are incorporated in these projects: removing watershed disturbances that cause stream instability; installing structures and planting vegetation to protect stream banks and provide habitat; reshaping or replacing unstable stream reaches with appropriately designed functional streams and associated floodplains. FY2018: Additional funds were added based on the current yearly costs to meet the maximum extent practicable (MEP).

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	40,250,000					5,750,000	5,750,000	5,750,000	23,000,000
Total Cost:	40,250,000					5,750,000	5,750,000	5,750,000	23,000,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	27,120,000					1,040,000	1,040,000	2,040,000	23,000,000
General Obligation Bonds	13,130,000					4,710,000	4,710,000	3,710,000	
Total Cost:	40,250,000					5,750,000	5,750,000	5,750,000	23,000,000

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ROADS

ROADS

- **Boyers Mill Road** – Project will provide a new two-lane road from Gas House Pike to Old National Pike. Several phases are anticipated with funding for construction scheduled in FY17 and FY19.



Work on Boyers Mill Road (north section)

- **Reich's Ford Road** - This project will primarily focus on the existing two lane road from Bartonsville Road to Ijamsville Road to meet the County standards for a collector or modified collector road per the current comprehensive plan and to upgrade/replace two bridges over Bush Creek.

- **Yeagertown Road** – Although identified as a project, funding is beyond the 6 year program.

- **Reels Mill Road** – Phase 2 will improve Reels Mill Road from MD 355 to Ball Road to meet Local Road standards. The total project length is approximately 1.0 mile. Funding for planning is scheduled in FY19.

- **Gas House Pike** – This project will upgrade Gas House Pike from the Frederick City Limit to Boyers Mill Road to serve future traffic growth in the New Market Region. Funding for construction is scheduled for FY20.



- **Christopher's Crossing Widening** – will include improvements to Christopher's Crossing from Whittier Drive (City Limit) to the Walter Martz Road/Jordan Valley Way intersection. Funding for design is in FY2021.

Improvements to the south section of Boyers Mill Road will receive construction funding in FY2019 but timing is contingent on the completion of the north section.

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED
ROADS**

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Roads										
Boyers Mill Road	15,403,284	25,846,582	10,443,298	1,191,484	14,211,800	0	0	0	0	0
Reichs Ford Road - Ph 2	360,800	10,038,200	0	0	0	0	0	0	360,800	9,677,400
Yeagertown Road	0	8,215,200	0	0	0	0	0	0	0	8,215,200
Reels Mill Road - Ph 2	4,083,700	4,083,700	0	220,800	0	279,800	934,500	2,648,600	0	0
Gas House Pike (from the City Limits to Boyers Mill)	9,706,400	11,462,600	1,756,200	2,224,400	7,482,000	0	0	0	0	0
Christopher's Crossing Widening	1,197,500	6,119,800	0	0	0	885,100	0	312,400	0	4,922,300
Total: Roads	30,751,684	65,766,082	12,199,498	1,191,484	16,657,000	7,482,000	1,164,900	934,500	3,321,800	22,814,900
Total: Exeption	30,751,684	65,766,082	12,199,498	1,191,484	16,657,000	7,482,000	1,164,900	934,500	3,321,800	22,814,900
FUNDING										
General Fund	544,100	16,141,243	1,827,543	0	82,000	25,000	63,900	0	373,200	13,769,600
General Fund Bonds & Capital Lease	28,207,584	43,143,725	8,271,741	1,191,484	15,375,000	6,657,000	1,101,000	934,500	2,948,600	6,664,400
Excise Tax	0	2,073,492	2,073,492	0	0	0	0	0	0	0
Grants	2,000,000	4,380,900	0	0	1,200,000	800,000	0	0	0	2,380,900
Other	0	26,722	26,722	0	0	0	0	0	0	0
Total Funding Source	30,751,684	65,766,082	12,199,498	1,191,484	16,657,000	7,482,000	1,164,900	934,500	3,321,800	22,814,900



Capital Project Summary

Capital Project Number: RD1052

PS Project ID: C28412

Capital Project Title: Boyers Mill Road

Region: New Market

Asset Category: Roads

Est Completion Date: 7/2/2020

Asset Type: Roads

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project will provide a new two-lane road with shoulders along Boyers Mill Road from Gas House Pike to Old National Pike. The upgrade is needed to meet increasing traffic demands in the area and commuter traffic from MD 26 through Mckaig Road. The project will include a number of key improvements throughout the 4 mile corridor that focus on safety, maintenance concerns, and preservation. The 2015 ADT for this road ranges from 5,266 vehicles per day (northern end) to 7,933 vehicles per day (southern end). Construction began on the north section (Gas house Pike to bridge over Lake Linganore) in FY 17. Construction is expected to begin on the south section (bridge over Lake Linganore to Old National Pike) in FY19.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	1,236,090	443,006	793,084						
Site Improvement	3,005,700	760,300	5,400	2,240,000					
Architect/Engineering	3,445,800	2,731,500	130,000	584,300					
Planning/Study	0								
Construction	17,596,038	6,412,738		11,183,300					
Project Management & Inspections	509,788	42,588	263,000	204,200					
Project Management	187,765	187,765							
Misc Recovery	-134,599	-134,599							
Total Cost:	25,846,582	10,443,298	1,191,484	14,211,800					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Dept of Transportation	1,200,000			1,200,000					
Transfer From General Fund	1,635,343	1,635,343							
Transfer from 24 fund	2,073,492	2,073,492							
General Obligation Bonds	20,911,025	6,707,741	1,191,484	13,011,800					
Developer Contributions	26,722	26,722							
Total Cost:	25,846,582	10,443,298	1,191,484	14,211,800					



Capital Project Summary

Capital Project Number: RD1061

Capital Project Title: Reichs Ford Road - Ph 2

Asset Category: Roads

Asset Type: Roads

Capital Project Status: Open

PS Project ID:

Region: New Market, Urbana

Est Completion Date: 10/2/2028

Year Identified: 2010

Capital Project Description:

This project will primarily focus on the upgrade/replacement of two bridges over Bush Creek. The bridges are prone to vehicular damages due to their narrow width and substandard approach alignments. The existing two lane road from Bartonville Road to Ijamsville Road for a distance of 1.6 miles, including the at-grade railroad crossing, will be evaluated during the planning phase to meet the County standards for a collector or modified collector road per the current comprehensive plan. The planning phase will investigate existing deficiencies in horizontal and vertical alignments, storm drainage systems and possible stream bank stabilization due to the close proximity of the road with Bush Creek. This project will complete the regional corridor upgrade between the Reichs Ford Road phase I project and the Ijamsville Road Phase I project. The 2015 ADT is 601 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	1,320,000								1,320,000
Site Improvement	122,400								122,400
Architect/Engineering	664,400								664,400
Planning/Study	330,100							197,900	132,200
Construction	6,924,700								6,924,700
Project Management & Inspections	676,600							162,900	513,700
Total Cost:	10,038,200							360,800	9,677,400

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Federal Grants - Pass Thru	2,380,900								2,380,900
Transfer From General Fund	692,900							60,800	632,100
General Obligation Bonds	6,964,400							300,000	6,664,400
Total Cost:	10,038,200							360,800	9,677,400



Capital Project Summary

Capital Project Number: RD1064

Capital Project Title: Yeagertown Road

Asset Category: Roads

Asset Type: Roads

Capital Project Status: Open

PS Project ID:

Region: New Market

Est Completion Date: 9/27/2030

Year Identified: 2010

Capital Project Description:

This roadway serves as a link from Boyers Mill Road to either the proposed I-70/Meadow Road Interchange or Ijamsville Road and then to I-270. The project will upgrade the existing tar and chip road to a modified minor arterial from Boyers Mill Road for approximately 0.7 miles. The remaining 1.1 miles to Old National Pike will be upgraded to a local road status. The project will upgrade the existing tar and chip surface and serve future traffic growth. The 2012 ADT is 1,500 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	1,645,000								1,645,000
Site Improvement	303,800								303,800
Architect/Engineering	482,100								482,100
Planning/Study	205,400								205,400
Construction	5,091,300								5,091,300
Project Management & Inspections	487,600								487,600
Total Cost:	8,215,200								8,215,200

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	8,215,200								8,215,200
Total Cost:	8,215,200								8,215,200



Capital Project Summary

Capital Project Number: RD1065

Capital Project Title: Reels Mill Road - Ph 2

Asset Category: Roads

Asset Type: Roads

Capital Project Status: Open

PS Project ID:

Region: Urbana

Est Completion Date: 11/1/2024

Year Identified: 2010

Capital Project Description:

This roadway is a primary route between Reichs Ford Road and I-270. The project will improve Reels Mill Road from MD 355 to Ball Road to meet local road standards. The total project length is approximately 1.0 mile. The 2015 ADT is 556 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	669,000						669,000		
Site Improvement	265,500						265,500		
Architect/Engineering	279,800					279,800			
Planning/Study	120,200			120,200					
Construction	2,498,900							2,498,900	
Project Management & Inspections	250,300			100,600				149,700	
Total Cost:	4,083,700			220,800		279,800	934,500	2,648,600	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	80,600			50,800		29,800			
General Obligation Bonds	4,003,100			170,000		250,000	934,500	2,648,600	
Total Cost:	4,083,700			220,800		279,800	934,500	2,648,600	



Capital Project Summary

Capital Project Number: RD1067

PS Project ID: C28391

Capital Project Title: Gas House Pike (from the City Limits to Boyers Mill Road)

Region: New Market

Asset Category: Roads

Est Completion Date: 10/1/2022

Asset Type: Roads

Year Identified: 2013

Capital Project Status: Open

Capital Project Description:

This project will upgrade Gas House Pike from the Frederick City Limit to Boyers Mill Road to serve future traffic growth in the New Market Region. Gas House Pike will be designed and constructed to minor arterial standards, modified to provide 5-foot paved and 4-foot grass shoulders for a distance of about 2.7 miles. Other proposed improvements may include horizontal and vertical alignments, road widening, shoulder construction, slope stabilization/protection, and intersection improvements. The 2015 ADT ranges from 5,343 vehicles per day (west of Boyers Mill Road) to 6,895 vehicles per day (west of Linganore Road).

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	1,547,000	135,000		1,412,000					
Site Improvement	812,400			812,400					
Architect/Engineering	694,200	694,200							
Planning/Study	268,000	268,000							
Construction	7,483,800	467,000			7,016,800				
Project Management & Inspections	657,200	192,000			465,200				
Total Cost:	11,462,600	1,756,200		2,224,400	7,482,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Dept of Transportation	800,000				800,000				
Transfer From General Fund	248,400	192,200		31,200	25,000				
General Obligation Bonds	10,414,200	1,564,000		2,193,200	6,657,000				
Total Cost:	11,462,600	1,756,200		2,224,400	7,482,000				



Capital Project Summary

Capital Project Number: RD1068

Capital Project Title: Christopher's Crossing Widening

Asset Category: Roads

Asset Type: Roads

Capital Project Status: Open

PS Project ID:

Region: Frederick

Est Completion Date: 7/1/2026

Year Identified: 2016

Capital Project Description:

This project will include improvements to Christopher's Crossing from Whittier Drive (City Limit) to the Walter Martz Road/Jordan Valley Way intersection to upgrade from a two-lane median divided roadway to a four-lane median divided roadway. Upgrade of this roadway is necessary to provide a roadway typical section consistent with the adjoining Frederick City maintained segments of Christophers Crossing. This upgrade is also necessary to accommodate the increased traffic anticipated with completion of the US 15/Monocacy Boulevard interchange by SHA and completion of missing segment between the Walter Martz/Poole Jones and Opposomtown Pike intersections by Frederick City. Intersection improvements at the Christophers Crossing/ Yellow Springs intersection are excluded from this projects and will be completed by others. This road is designated as an on-street bikeway. The 2015 ADT on this roadway is 4,618 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	250,000							250,000	
Site Improvement	62,400							62,400	
Architect/Engineering	698,900					698,900			
Construction	4,643,600								4,643,600
Project Management & Inspections	464,900					186,200			278,700
Total Cost:	6,119,800					885,100		312,400	4,922,300

Funding Schedule:

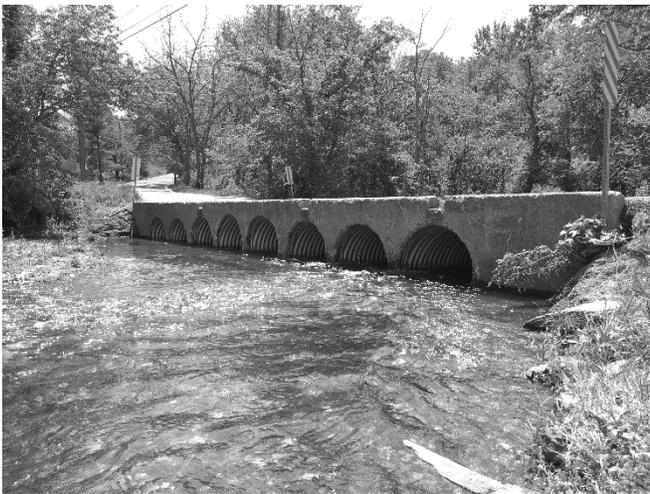
Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	5,268,800					34,100		312,400	4,922,300
General Obligation Bonds	851,000					851,000			
Total Cost:	6,119,800					885,100		312,400	4,922,300

BRIDGES

BRIDGES

Four bridge/culvert projects are scheduled for construction funding in the FY18-FY23 CIP. Two more projects (Stottlemeyer Road Bridge and Old Mill Road Bridge) receive design funding during the six year CIP.

FY2018	FY2019	FY2020	FY2021	FY2022	FY2023
		Hoovers Mill Road Bridge	Hessong Bridge Rd Bridge	Brethren Church Rd Bridge	
			Hornets Nest Road Bridge		



Brethren Church Rd Bridge – will replace an existing mutli-cell pipe structure over Catoctin Creek



Hoover Mill Rd Bridge – will rehab the existing pony truss bridge structure and repainting

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED
BRIDGES**

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Bridges										
Gas House Pike Bridge	586,400	4,361,600	3,775,200	586,400	0	0	0	0	0	0
Brethren Church Rd Br	1,117,800	1,117,800	0	0	191,300	92,900	833,600	0	0	0
Hessong Bridge Road Bridge	1,797,300	1,951,800	154,500	0	213,100	156,100	1,428,100	0	0	0
Hoovers Mill Road Bridge (No. 15-11)	1,253,900	1,253,900	0	229,500	33,400	991,000	0	0	0	0
Hornets Nest Road Bridge (No. 05-22)	1,142,300	1,142,300	0	0	215,200	23,400	903,700	0	0	0
Stottlemeyer Road Bridge F06-01 Deck Replacement	261,000	1,012,000	0	0	0	0	0	231,000	30,000	751,000
Replacement of Old Mill Road Bridge No. F04-09	340,000	1,411,800	0	0	0	0	0	260,000	80,000	1,071,800
Total: Bridges	6,498,700	12,251,200	3,929,700	815,900	461,700	1,361,800	2,424,700	1,324,600	110,000	1,822,800
Total: Exepense	6,498,700	12,251,200	3,929,700	815,900	461,700	1,361,800	2,424,700	1,324,600	110,000	1,822,800
FUNDING										
General Fund	327,200	599,000	200,000	0	85,200	77,100	75,300	59,600	30,000	71,800
General Fund Bonds & Capital Lease	4,071,400	6,580,200	1,347,400	715,900	206,000	1,284,700	519,800	1,265,000	80,000	1,161,400
Grants	2,100,100	5,072,000	2,382,300	100,000	170,500	0	1,829,600	0	0	589,600
Total Funding Source	6,498,700	12,251,200	3,929,700	815,900	461,700	1,361,800	2,424,700	1,324,600	110,000	1,822,800



Capital Project Summary

Capital Project Number: BR1029

PS Project ID: C27707

Capital Project Title: Gas House Pike Bridge

Region: New Market

Asset Category: Bridges

Est Completion Date: 6/30/2018

Asset Type: Bridges

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project includes the construction of two separate two-lane bridges (75 and 50 foot spans) carrying Gas House Pike over Linganore Creek. The proposed bridges replace an existing bridge (larger multi-cell pipe structure) and a small structure (small multi-cell pipe structure) that are prone to flooding. The roadway profile will also be raised significantly to assist in reducing the flooding frequency at this location. The roadway approaches within the project limits will be designed to meet Collector standards. This road is designated as an on-street bikeway. The 2015 ADT at the bridge is 1,417 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	145,000	145,000							
Site Improvement	375,000	64,600	310,400						
Architect/Engineering	591,000	440,000	151,000						
Construction	2,974,800	2,849,800	125,000						
Project Management & Inspections	275,800	275,800							
Project Management	0								
Total Cost:	4,361,600	3,775,200	586,400						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Federal Grants - Pass Thru	2,482,300	2,382,300	100,000						
Transfer From General Fund	200,000	200,000							
General Obligation Bonds	1,679,300	1,192,900	486,400						
Total Cost:	4,361,600	3,775,200	586,400						



Capital Project Summary

Capital Project Number: BR1032

PS Project ID:

Capital Project Title: Brethren Church Rd Br

Region: Middletown

Asset Category: Bridges

Est Completion Date: 7/3/2024

Asset Type: Bridges

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

This project will replace an existing multi-cell pipe structure over Catoctin Creek. The hydraulic opening is inadequate and traps debris, causing water to overtop the road. The 2015 ADT at the bridge is 593 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	60,000					60,000			
Site Improvement	32,900					32,900			
Architect/Engineering	153,000				153,000				
Construction	764,800						764,800		
Project Management & Inspections	68,800						68,800		
Project Management	38,300				38,300				
Total Cost:	1,117,800				191,300	92,900	833,600		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	47,800				11,300	17,900	18,600		
General Obligation Bonds	1,070,000				180,000	75,000	815,000		
Total Cost:	1,117,800				191,300	92,900	833,600		



Capital Project Summary

Capital Project Number: BR1033

PS Project ID: C27709

Capital Project Title: Hessong Bridge Road Bridge

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 7/1/2022

Asset Type: Bridges

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project will provide a new two-lane bridge to carry Hessong Bridge Road over Little Hunting Creek. It will also improve the roadway approaches to meet collector standards. The existing Acrow panel bridge only provides for one lane of traffic. This road is designated as a on-street bikeway. The 2015 ADT at the bridge is 591 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	120,000				120,000				
Site Improvement	36,100				36,100				
Architect/Engineering	213,100			213,100					
Planning/Study	88,300	88,300							
Construction	1,323,200					1,323,200			
Project Management & Inspections	104,900					104,900			
Project Management	66,200	66,200							
Total Cost:	1,951,800	154,500		213,100	156,100	1,428,100			

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Federal Grants - Pass Thru	1,292,000			170,500		1,121,500			
Transfer From General Fund	55,800			42,600	1,400	11,800			
General Obligation Bonds	604,000	154,500			154,700	294,800			
Total Cost:	1,951,800	154,500		213,100	156,100	1,428,100			



Capital Project Summary

Capital Project Number: BR1036

PS Project ID:

Capital Project Title: Hoovers Mill Road Bridge (No. 15-11)

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 11/21/2020

Asset Type: Bridges

Year Identified: 2014

Capital Project Status: Open

Capital Project Description:

This project involves the rehabilitation of the existing pony truss bridge on Hoovers Mill Road over Owens Creek. The existing bridge has a span length of 67 feet and a posted weight limit of 26,000 lbs. The project will provide for the rehabilitation of the substructure and superstructure including complete cleaning and painting of the structural steel, and upgrade of the traffic railings on the bridge and approaches. If possible, the project will include improvements to increase the posted weight limit. The 2015 ADT at the bridge is 41 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	17,000			17,000					
Site Improvement	16,400			16,400					
Architect/Engineering	182,500		182,500						
Construction	917,800				917,800				
Project Management & Inspections	73,200				73,200				
Project Management	47,000		47,000						
Total Cost:	1,253,900		229,500	33,400	991,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	57,400			16,400	41,000				
General Obligation Bonds	1,196,500		229,500	17,000	950,000				
Total Cost:	1,253,900		229,500	33,400	991,000				



Capital Project Summary

Capital Project Number: BR1037

PS Project ID:

Capital Project Title: Hornets Nest Road Bridge (No. 05-22)

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 11/20/2021

Asset Type: Bridges

Year Identified: 2014

Capital Project Status: Open

Capital Project Description:

This project will replace an existing multi-cell pipe structure that is in very poor condition. The hydraulic opening is inadequate and traps debris, causing water to overtop the road. The 2015 ADT at the bridge is 97 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	18,000				18,000				
Site Improvement	5,400				5,400				
Architect/Engineering	166,100			166,100					
Construction	829,400					829,400			
Project Management & Inspections	74,300					74,300			
Project Management	49,100			49,100					
Total Cost:	1,142,300			215,200	23,400	903,700			

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Federal Grants - Pass Thru	708,100					708,100			
Transfer From General Fund	95,200			26,200	23,400	45,600			
General Obligation Bonds	339,000			189,000		150,000			
Total Cost:	1,142,300			215,200	23,400	903,700			



Capital Project Summary

Capital Project Number: BR1049

PS Project ID:

**Capital Project Title: Stottlemeyer Road Bridge F06-01
Deck Replacement**

Region: Middletown

Asset Category: Bridges

Est Completion Date: 9/3/2022

Asset Type: Bridges

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

This project will replace the deteriorating concrete bridge deck and joints on Stottlemeyer Road over Middle Creek. Painting of structural steel is also included in the work. The 2009 ADT at the Stottlemeyer Road Bridge is 1456 vehicles per day. The bridge was built in 1977.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	10,000							10,000	
Site Improvement	20,000							20,000	
Architect/Engineering	175,000						175,000		
Construction	695,000								695,000
Project Management & Inspections	112,000						56,000		56,000
Total Cost:	1,012,000						231,000	30,000	751,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Federal Grants - Pass Thru	589,600								589,600
Transfer From General Fund	61,000						31,000	30,000	
General Obligation Bonds	361,400						200,000		161,400
Total Cost:	1,012,000						231,000	30,000	751,000



Capital Project Summary

Capital Project Number: BR1051

PS Project ID:

Capital Project Title: Replacement of Old Mill Road Bridge No. F04-09

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 11/1/2025

Asset Type: Bridges

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

This project will replace an existing three-span, 40' long, timber bridge over the Maryland Midland Railroad. The project will remove the two timber pier bents from the railroad right-of-way and replace the deteriorating concrete abutments. The 2015 ADT at the bridge is 63 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	80,000							80,000	
Architect/Engineering	208,000						208,000		
Construction	988,000								988,000
Project Management & Inspections	83,800								83,800
Project Management	52,000						52,000		
Total Cost:	1,411,800						260,000	80,000	1,071,800

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	81,800						10,000		71,800
General Obligation Bonds	1,330,000						250,000	80,000	1,000,000
Total Cost:	1,411,800						260,000	80,000	1,071,800

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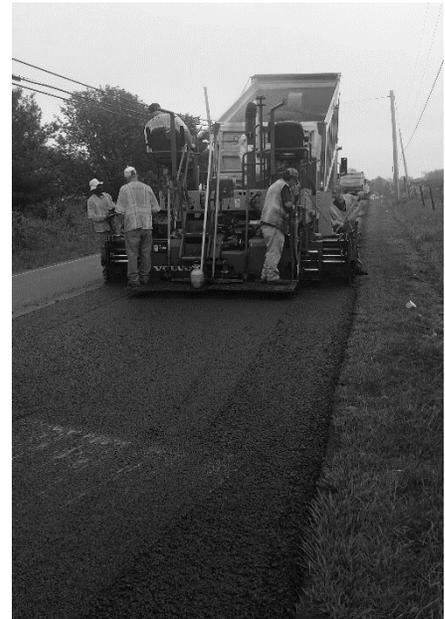
HIGHWAYS

HIGHWAYS

Like most County departments, the Highway Department has seen a dramatic increase in level of need for its services over the past decade. Most of the increases are due to a significant amount of growth in a relatively short period of time. The increased growth has caused an acceleration of the wear and breakdown of these roads. With normal use, a paved surface should last between 10-20 years. Currently, the County is responsible for the maintenance of approximately 1,273 centerline miles of roads.

The following projects are scheduled for FY18 – FY23.

- **Pavement Management Program** - This program funds Roadway Surface Management System, Surface Coat, Patching, Overlay, Cold-in-Place Recycling, and Full-Depth Reclamation. This project is scheduled for funding throughout the six-year CIP ranging from \$8.6 – 16.8 million per year for a total of \$82.2 million.
- **Highway Network Systemic – General**
Consists of the road stabilization, pipe culvert replacement, and the safety/spot improvements programs
- **Sidewalk Retrofit Program** – A multi-year project to upgrade existing county owned pedestrian facilities to comply with current ADA standards
- **Signalization** – This program provides funds for signal needs or roundabouts at intersections. On-going funding for the six years of the CIP is \$1.9 million.
- **Roads Satellite Facilities #3** – will update the Myersville and Jefferson road satellite facilities.
- **Urbana Satellite Yard** – Includes installation of a 10,000 ton Salt Barn with conveyor and attached truck shed for equipment storage, oil/grit separator, trailer haul-off, concrete and paving repairs.



Yellow Springs Road - Overlay

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED
HIGHWAYS**

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Highways										
Pavement Mgmt Pgm FY09-ongoing	92,704,500	130,027,505	37,323,005	14,995,700	14,903,000	17,878,700	14,975,700	14,975,700	14,975,700	0
Highway Network Systemic - General	6,000,000	7,822,000	1,822,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	0
Sidewalk Retrofit Program	6,780,600	8,680,145	1,899,545	1,130,100	1,130,100	1,130,100	1,130,100	1,130,100	1,130,100	0
Road Signalization FY09 ongoing	1,960,800	3,148,028	1,187,228	326,800	326,800	326,800	326,800	326,800	326,800	0
Roads Satellite Facilities #3	5,117,486	5,381,936	264,450	4,218,186	899,300	0	0	0	0	0
Urbana Satellite Yard	3,430,832	3,520,832	90,000	260,000	3,170,832	0	0	0	0	0
MD 85 Improvements	1,100,000	1,100,000	0	1,100,000	0	0	0	0	0	0
Total: Highways	117,094,218	159,680,446	42,586,228	23,030,786	21,430,032	20,335,600	17,432,600	17,432,600	17,432,600	0
Total: Exeption	117,094,218	159,680,446	42,586,228	23,030,786	21,430,032	20,335,600	17,432,600	17,432,600	17,432,600	0
FUNDING										
General Fund	49,423,615	81,342,332	31,918,717	8,008,086	8,082,392	9,576,900	7,406,900	8,294,765	8,054,572	0
General Fund Bonds & Capital Lease	67,670,603	78,293,530	10,622,927	15,022,700	13,347,640	10,758,700	10,025,700	9,137,835	9,378,028	0
Other	0	44,584	44,584	0	0	0	0	0	0	0
Total Funding Source	117,094,218	159,680,446	42,586,228	23,030,786	21,430,032	20,335,600	17,432,600	17,432,600	17,432,600	0



Capital Project Summary

Capital Project Number: HW1001

PS Project ID: C29919

Capital Project Title: Pavement Mgmt Pgm FY09-ongoing

Region: Countywide

Asset Category: Highways

Est Completion Date:

Asset Type: Highways

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Many of the older county roads have deteriorated and are causing many maintenance problems. Funding is needed to execute this program so that our roadway network can fulfill the public needs. Typically, the funds will be used for the following contracts: patching, surface coat, overlay, cold-in-place recycling, full-depth reclamation, tar and chip sealing, and crack filling.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	130,027,505	37,323,005	14,995,700	14,903,000	17,878,700	14,975,700	14,975,700	14,975,700	
Total Cost:	130,027,505	37,323,005	14,995,700	14,903,000	17,878,700	14,975,700	14,975,700	14,975,700	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Contributions & Donations	15,000	15,000							
Transfer From General Fund	74,020,615	29,965,078	7,118,000	7,232,000	8,670,000	6,500,000	7,387,865	7,147,672	
General Obligation Bonds	55,325,442	6,676,479	7,877,700	7,671,000	9,208,700	8,475,700	7,587,835	7,828,028	
Premium - GO Bonds	666,448	666,448							
Total Cost:	130,027,505	37,323,005	14,995,700	14,903,000	17,878,700	14,975,700	14,975,700	14,975,700	



Capital Project Summary

Capital Project Number: HW1050

PS Project ID: C29920

Capital Project Title: Highway Network Systemic - General

Region: Countywide

Asset Category: Highways

Est Completion Date:

Asset Type: Highways

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

This project combines the Pipe Culvert Replacement and Road Stabilization projects from previous capital improvement programs and adds safety/spot improvements for various county roadways. The Pipe Culvert Replacement aspect of this project includes the repair and replacement of pipe culverts and associated headwalls/end treatments with an opening of less than 20' (or extreme ends of openings for multiple pipes) which have been identified through routine inspections or complaints. These culverts are not covered under the Federal Bridge Replacement and Rehabilitation Program. Funding for Road Stabilization projects will be added to this program as they are identified. Safety/Spot improvement projects include widening of existing roadways/intersections for improved safety and efficiency, stabilization of roadway embankments, sight distance enhancements, or drainage improvements. The safety/spot improvements projects in this program will typically require permitting, utility relocations, engineering/design, and/or project management/inspections that are typically beyond the scope of a routine maintenance project but don't meet the requirements of a stand-alone CIP project. Also included in this program (added in FY 2017) are bridge painting, concrete deck repairs and bridge deck joint repairs/replacement.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Land	184,000	46,000	23,000	23,000	23,000	23,000	23,000	23,000	
Site Improvement	77,400	18,600	9,800	9,800	9,800	9,800	9,800	9,800	
Architect/Engineering	193,600	46,600	24,500	24,500	24,500	24,500	24,500	24,500	
Construction	6,979,200	1,617,600	893,600	893,600	893,600	893,600	893,600	893,600	
Project Management & Inspections	387,800	93,200	49,100	49,100	49,100	49,100	49,100	49,100	
Total Cost:	7,822,000	1,822,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	2,722,000	622,000	350,000	350,000	350,000	350,000	350,000	350,000	
General Obligation Bonds	5,100,000	1,200,000	650,000	650,000	650,000	650,000	650,000	650,000	
Total Cost:	7,822,000	1,822,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	



Capital Project Summary

Capital Project Number: HW1090

PS Project ID: C29921

Capital Project Title: Sidewalk Retrofit Program

Region:

Asset Category: Highways

Est Completion Date: 7/3/2025

Asset Type: Highways

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

This project will address deficiencies in existing pedestrian facilities within County maintained rights-of-way that were found to be non-compliant with current Americans with Disabilities Act (ADA) standards. The County conducted a Self Evaluation in the spring of 2014 to identify these deficiencies and subsequently developed a Transition Plan to address the deficiencies. The Transition Plan commits to addressing the deficiencies found in the 2014 self evaluation over a 10 year period beginning in the 2016 fiscal year. Sidewalk and ramp work will be performed along County roads in residential and commercial areas throughout the County. The work includes complete reconstruction of approximately 20 miles of sidewalk and repair or replacement of 2,218 curb ramps, 1,177 driveway aprons, and 3,747 other non-compliant sidewalk features.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	7,416,345	1,595,745	970,100	970,100	970,100	970,100	970,100	970,100	
Project Management & Inspections	1,263,800	303,800	160,000	160,000	160,000	160,000	160,000	160,000	
Total Cost:	8,680,145	1,899,545	1,130,100	1,130,100	1,130,100	1,130,100	1,130,100	1,130,100	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	1,520,145	139,545	230,100	230,100	230,100	230,100	230,100	230,100	
General Obligation Bonds	7,160,000	1,760,000	900,000	900,000	900,000	900,000	900,000	900,000	
Total Cost:	8,680,145	1,899,545	1,130,100	1,130,100	1,130,100	1,130,100	1,130,100	1,130,100	



Capital Project Summary

Capital Project Number: HW1100

PS Project ID: C29939

Capital Project Title: Road Signalization FY09 ongoing

Region: Countywide

Asset Category: Highways

Est Completion Date:

Asset Type: Highways

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This program provides funds for new signal, signal modification, and road channelization needs at State-County intersections as well as at County-County intersections.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	10,000	10,000							
Construction	3,138,028	1,177,228	326,800	326,800	326,800	326,800	326,800	326,800	
Total Cost:	3,148,028	1,187,228	326,800	326,800	326,800	326,800	326,800	326,800	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	2,818,444	1,057,644	226,800	226,800	326,800	326,800	326,800	326,800	
General Obligation Bonds	300,000	100,000	100,000	100,000					
Developer Contributions	29,584	29,584							
Total Cost:	3,148,028	1,187,228	326,800	326,800	326,800	326,800	326,800	326,800	



Capital Project Summary

Capital Project Number: HW3004

PS Project ID: C21010

Capital Project Title: Roads Satellite Facilities #3

Region: Brunswick, Middletown, New Market

Asset Category: Highways

Est Completion Date: 11/1/2021

Asset Type: Highways

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project enables the County to station staff, materials, and equipment at the Myersville and Jefferson satellite facilities. Myersville improvements include the remediation of water well deficiencies, a new entrance onto U.S. 40, truck shed with wash bay, brine system, pre-engineered building requisite for 24/7 operation, fuel island and back-up generator, renovation of the welding shop, and security features. Fuel storage, a generator, and security features are provided at Jefferson.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Noncapital Equipment	10,200	5,000	5,200						
Site Improvement	111,815	35,875	42,640	33,300					
Architect/Engineering	351,750	71,750	280,000						
Construction	4,541,461	95,325	3,686,136	760,000					
IIT Infrastructure	22,000		11,000	11,000					
Project Management & Inspections	184,490	21,000	113,490	50,000					
Furniture and Equipment	31,620	15,500	16,120						
Technology Equipment-IIT/DPW	44,000		22,000	22,000					
Project Management	84,600	20,000	41,600	23,000					
Total Cost:	5,381,936	264,450	4,218,186	899,300					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	101,936	44,450	48,186	9,300					
General Obligation Bonds	5,280,000	220,000	4,170,000	890,000					
Total Cost:	5,381,936	264,450	4,218,186	899,300					



Capital Project Summary

Capital Project Number: HW3005

PS Project ID: C21011

Capital Project Title: Urbana Satellite Yard

Region: Urbana

Asset Category: Highways

Est Completion Date: 7/3/2019

Asset Type: Highways

Year Identified: 2017

Capital Project Status: Open

Capital Project Description:

This project improves operations at the Urbana Satellite Yard with the installation of a 10,000 ton Salt Barn with conveyor and attached truck shed for equipment storage. Trailers providing office space and living quarters used during emergency operations are replaced with a permanent stick-built structure. Other costs include an oil/grit separator, trailer haul-off, concrete and paving repairs. A feasibility study is performed prior to commencing site design and will refine project costs. FY2018: IIT costs adjusted per IIT review. All other costs escalated 4%.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	20,800		20,800						
Architect/Engineering	218,400		218,400						
Feasibility Study	80,000	80,000							
Construction	3,016,000			3,016,000					
IIT Infrastructure	13,000			13,000					
Project Management & Inspections	119,800	10,000	5,000	104,800					
Technology Equipment-IIT/DPW	17,032			17,032					
Project Management	35,800		15,800	20,000					
Total Cost:	3,520,832	90,000	260,000	3,170,832					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	159,192	90,000	35,000	34,192					
General Obligation Bonds	3,361,640		225,000	3,136,640					
Total Cost:	3,520,832	90,000	260,000	3,170,832					



Capital Project Summary

Capital Project Number: HW9002

PS Project ID:

Capital Project Title: MD 85 Improvements

Region:

Asset Category: Highways

Est Completion Date:

Asset Type: Highways

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

To provide reimbursement for improvements to MD85 per the MOU executed FY2013 and amended in subsequent years

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	1,100,000		1,100,000						
Total Cost:	1,100,000		1,100,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
General Obligation Bonds	1,100,000		1,100,000						
Total Cost:	1,100,000		1,100,000						

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FREDERICK COMMUNITY
COLLEGE

FREDERICK COMMUNITY COLLEGE

The Frederick County Comprehensive Plan does not directly address Frederick Community College (FCC) facility needs. The College has a Master Plan which projects campus needs over a long term period.

- **Jefferson Hall Reconfiguration** – will consolidate Learning Support services to create a more efficient and cost effective Welcome Center and one-stop shop for current and prospective students
- **Linganore Hall Renovation/Addition** – will provide an enhanced testing center which integrates with Learning Support Services, additional general classrooms, collaborative student learning areas as well as faculty offices.
- **Building E Renovation/Addition** – provides additional general instructional space that has the ability to be reconfigured to create more flexible classrooms as well as allow for the consolidation of Continuing Education programs and services.
- **Technology Upgrade** – Funding is scheduled in FY18, FY19, and FY20 for upgrades to PeopleSoft Student, HR and Finance software systems.
- **Classroom Technology Upgrades** – Provides funding to upgrade classroom technology in buildings not being totally renovated.
- **FCC Systemics** – Renovations to maintain buildings and grounds and to address life safety projects



**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED**

COMMUNITY COLLEGE

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Community College										
Science/Tech Hall Renov-FCC	(350,000)	9,230,000	9,580,000	(350,000)	0	0	0	0	0	0
Building B Renovation	(1,000,000)	8,502,923	9,502,923	(1,000,000)	0	0	0	0	0	0
Monroe Reconfiguration	0	7,029,000	7,029,000	0	0	0	0	0	0	0
Jefferson Hall (Bldg J) Reconfiguration	1,804,925	1,804,925	0	1,804,925	0	0	0	0	0	0
Linganore Hall (Bldg L) Renovation/Addition	10,315,500	10,315,500	0	0	0	897,000	9,418,500	0	0	0
Building E - Renovation/Addition	5,836,250	5,836,250	0	507,500	5,328,750	0	0	0	0	0
Technology Upgrade	1,300,000	2,754,418	1,454,418	300,000	300,000	700,000	0	0	0	0
Classroom Technology Upgrades	700,000	1,450,000	750,000	250,000	150,000	150,000	150,000	0	0	0
FCC Systemics	7,120,000	10,488,112	3,368,112	3,370,000	750,000	750,000	750,000	750,000	750,000	0
Total: Community College	25,726,675	57,411,128	31,684,453	4,882,425	6,528,750	2,497,000	10,318,500	750,000	750,000	0
Total: Exeption	25,726,675	57,411,128	31,684,453	4,882,425	6,528,750	2,497,000	10,318,500	750,000	750,000	0
FUNDING										
General Fund	4,006,287	8,554,007	4,547,720	914,925	891,362	1,100,000	600,000	250,000	250,000	0
General Fund Bonds & Capital Lease	10,726,890	24,846,803	14,119,913	1,891,225	2,600,000	885,710	4,349,955	500,000	500,000	0
Grants	10,993,498	24,010,318	13,016,820	2,076,275	3,037,388	511,290	5,368,545	0	0	0
Total Funding Source	25,726,675	57,411,128	31,684,453	4,882,425	6,528,750	2,497,000	10,318,500	750,000	750,000	0



Capital Project Summary

Capital Project Number: FC2002

PS Project ID: C76083

Capital Project Title: Science/Tech Hall Renov-FCC

Region: Frederick

Asset Category: Community College

Est Completion Date: 12/21/2013

Asset Type: Community College

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Renovate first floor of Science/Technology Hall - expand C102 and C120 labs. Expand balance room (C120) to allow for additional equipment and student work stations. Add multimedia capability to all labs. Create a new lab for Biotechnology Program. Replace equipment as required. Expand science area to second floor as needed and renovate all spaces.

This project is complete. Moving funding to help fund systemic projects

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	6,633,000	6,683,000	-50,000						
Capital Appropriations	1,947,000	1,947,000							
Capital Approp Equipment	650,000	950,000	-300,000						
Total Cost:	9,230,000	9,580,000	-350,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	5,290,160	5,290,160							
Transfer From General Fund	96,047	446,047	-350,000						
General Obligation Bonds	3,843,793	3,843,793							
Total Cost:	9,230,000	9,580,000	-350,000						



Capital Project Summary

Capital Project Number: FC2003

PS Project ID: C76084

Capital Project Title: Building B Renovation

Region:

Asset Category: Community College

Est Completion Date: 12/1/2015

Asset Type: Community College

Year Identified: 2013

Capital Project Status: Funded

Capital Project Description:

This project scope has been revised to completely reconfigure the interior of the building and all finishes. This will require a phased construction approach with complete interior demolition of interior wall systems. Also added are two exterior classrooms complete with projection/screen equipment. This renovation will provide for technology improvements and updating that will improve teaching methods.

This project is substantially complete. Moving funding to help fund systemic projects

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	699,731	732,000	-32,269						
Construction	7,129,269	8,097,000	-967,731						
Capital Approp Equipment	673,923	673,923							
Total Cost:	8,502,923	9,502,923	-1,000,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	5,471,660	5,471,660							
Transfer From General Fund	111,263	417,765	-306,502						
General Obligation Bonds	2,920,000	3,613,498	-693,498						
Total Cost:	8,502,923	9,502,923	-1,000,000						



Capital Project Summary

Capital Project Number: FC2004

PS Project ID: C76086

Capital Project Title: Monroe Reconfiguration

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Renovate and reconfigure approximately 40,000 square feet of the 55,000 square foot building to expand the College's ability to provide Frederick County with workforce training in both existing and newly added trade and technical programs. Frederick County Workforce Services will renovate the remaining space for their program needs. The synergy created by co-location of these two entities will create a natural pathway for County citizens requiring help entering the work force. Renovation would include creation or upgrades of HVAC, Welding, Electric, and Innovation labs, increased Culinary Arts spaces, a Cyber Security lab, classrooms, offices, lounge space and support areas.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering	0								
Construction	0								
Architect/Engineering - State Share	219,000	219,000							
Construction - State Share	3,277,700	3,277,700							
Equipment - State Share	545,300	545,300							
Architect/Engineering - County Share	181,000	181,000							
Construction - County Share	2,351,300	2,351,300							
Equipment - County Share	454,700	454,700							
Total Cost:	7,029,000	7,029,000							

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	4,042,000	2,255,000	1,787,000						
Transfer From General Fund	25,374	25,374							
General Obligation Bonds	2,961,626	4,748,626	-1,787,000						
Total Cost:	7,029,000	7,029,000							



Capital Project Summary

Capital Project Number: FC2005

PS Project ID: C76088

Capital Project Title: Jefferson Hall (Bldg J)
Reconfiguration

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

The reconfiguration of the first floor, and minor modifications to the second and third floors, would consolidate Learning Support services to create a more efficient and cost effective Welcome Center and one-stop shop for current and prospective students. The functional enhancement of the space, the co-location and consolidation of services as well as a visual connectivity and ease of access to other necessary Learning Support spaces, such as the Testing Center located in Linganore Hall, would create a seamless approach to enrollment and learning support delivery.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction - County Share	1,804,925		1,804,925						
Total Cost:	1,804,925		1,804,925						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	104,925		104,925						
General Obligation Bonds	1,700,000		1,700,000						
Total Cost:	1,804,925		1,804,925						



Capital Project Summary

Capital Project Number: FC2006

PS Project ID:

Capital Project Title: Linganore Hall (Bldg L)
Renovation/Addition

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

At their January 21, 2015 Board meeting, the Board of Trustees amended the Facilities Master Plan and removed the new Allied Health and STEM Buildings, at a projected savings of approximately \$35 million. Because we are not constructing a new Allied Health and Nursing program building, we have needs for improved classrooms and skills teaching labs, additional general classrooms, an enhanced testing center which integrates with Learning Support Services, collaborative student learning areas as well as faculty offices that could be accommodated with a renovation, and an addition, to the existing building.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering - State Share	511,290				511,290				
Construction - State Share	5,368,545					5,368,545			
Architect/Engineering - County Share	385,710				385,710				
Construction - County Share	4,049,955					4,049,955			
Total Cost:	10,315,500				897,000	9,418,500			

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	5,879,835				511,290	5,368,545			
Transfer From General Fund	200,000					200,000			
General Obligation Bonds	4,235,665				385,710	3,849,955			
Total Cost:	10,315,500				897,000	9,418,500			



Capital Project Summary

Capital Project Number: FC2007

PS Project ID: C76089

Capital Project Title: Building E - Renovation/Addition

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

The renovation and addition would address the need for additional general instructional space that has the ability to be reconfigured to create more flexible classrooms as well as allow for the consolidation of Continuing Education programs and services. The intended renovation and addition also moves the College forward by aligning with the Department of Commerce Work Smart Initiative to use community colleges as Maryland Training Design Centers and promote and raise the awareness among businesses and communities at large that this partnership between Commerce and the community colleges will enhance economic development through workforce training and continuing education offerings. The request for this project as one of the priorities in FY18 is to align with the program and budget submission to the Maryland Higher Education Commission (MHEC) which is due May 1, 2017 and requires local support of the project.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Architect/Engineering - State Share	289,275		289,275						
Construction - State Share	3,037,388			3,037,388					
Architect/Engineering - County Share	218,225		218,225						
Construction - County Share	2,291,362			2,291,362					
Total Cost:	5,836,250		507,500	5,328,750					

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
MD Educ Grants Restricted	3,326,663		289,275	3,037,388					
Transfer From General Fund	191,362			191,362					
General Obligation Bonds	2,318,225		218,225	2,100,000					
Total Cost:	5,836,250		507,500	5,328,750					



Capital Project Summary

Capital Project Number: FC5007

PS Project ID: C76010

Capital Project Title: Technology Upgrade

Region: Frederick

Asset Category: Community College

Est Completion Date: 7/2/2025

Asset Type: Community College

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Upgrade PeopleSoft Student, HR, and Finance systems from Version 8 to Version 9 and Oracle upgrade.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Appropriations	1,954,418	654,418	300,000	300,000	700,000				
Capital Approp Equipment	800,000	800,000							
Total Cost:	2,754,418	1,454,418	300,000	300,000	700,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	2,754,418	1,454,418	300,000	300,000	700,000				
General Obligation Bonds	0								
Total Cost:	2,754,418	1,454,418	300,000	300,000	700,000				



Capital Project Summary

Capital Project Number: FC5008

PS Project ID: C76012

Capital Project Title: Classroom Technology Upgrades

Region: Frederick

Asset Category: Community College

Est Completion Date: 9/30/2025

Asset Type: Community College

Year Identified: 2014

Capital Project Status: Open

Capital Project Description:

Provides funding to upgrade classroom technology in buildings not being totally renovated. This includes items such as smartboard technology and projection systems. This project will allow the purchase and installation of new / upgraded systems for buildings not being renovated on a larger scale.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Appropriations	700,000		250,000	150,000	150,000	150,000			
Capital Approp Equipment	750,000	750,000							
Total Cost:	1,450,000	750,000	250,000	150,000	150,000	150,000			

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	1,450,000	750,000	250,000	150,000	150,000	150,000			
Total Cost:	1,450,000	750,000	250,000	150,000	150,000	150,000			



Capital Project Summary

Capital Project Number: FC5012

PS Project ID: C76063

Capital Project Title: FCC Systemics

Region: Frederick

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

These funds support all systemic repairs/maintenance projects including life safety, ADA accessibility, roofs, elevators, sidewalks, mechanical, etc.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Appropriations	3,171,306	3,171,306							
Capital Approp Equipment	196,806	196,806							
Construction - County Share	7,120,000		3,370,000	750,000	750,000	750,000	750,000	750,000	
Total Cost:	10,488,112	3,368,112	3,370,000	750,000	750,000	750,000	750,000	750,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	3,620,618	1,454,116	916,502	250,000	250,000	250,000	250,000	250,000	
General Obligation Bonds	6,867,494	1,913,996	2,453,498	500,000	500,000	500,000	500,000	500,000	
Total Cost:	10,488,112	3,368,112	3,370,000	750,000	750,000	750,000	750,000	750,000	

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BOARD OF EDUCATION

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As a target for planning, the FCPS has established that the school system should ultimately operate at a capacity below 100% at each level. The purpose would be to decrease the number of schools that are more than 100% capacity and create enough flexibility to more effectively respond to instructional program needs and enrollment growth. The BOE has accepted a target goal of 90% capacity at each level. The Frederick County Comprehensive Plan also includes a policy, which states that the County should “maintain a system wide enrollment capacity of 90% at the elementary, middle, and high school levels.”

As shown in the table below, the increase in students over the next seven years will be approximately 1,858. The largest increase is at the high school levels where there will be

Current and Projected Enrollment Growth September 2016 – 23					
	Elementary	Middle	High	Pre K-12 Total	Total Change Per Year
Sep. 2016	18,846	9,294	12,442	40,582	
Sep. 2017	18,957	9,479	12,408	40,844	262
Sep. 2018	18,687	9,815	12,536	41,038	194
Sep. 2019	18,603	10,005	12,778	41,386	348
Sep. 2020	18,628	10,002	13,096	41,726	340
Sep. 2021	18,660	9,872	13,470	42,002	276
Sep. 2022	18,730	9,739	13,836	42,305	303
Sep. 2023	18,972	9,586	13,882	42,440	135
Total Increase	126	292	1,440	1,858	

-Enrollments are “equated” enrollment
 -September 2016 enrollments are actual. September 2017 enrollments are based on actual September 2016 enrollments; All others are projected as of April 2017 and were based on actual September 2016 enrollment.
 -Enrollments do not include students enrolled at Success Program, Heather Ridge, Rock Creek or Frederick County Virtual School.

Prepared by the FCPS Facilities Services Division, April 2017

approximately 1,440 seats needed for growth through 2023. In an attempt to meet the overall additional enrollment and current capacity issues in certain areas, funding is provided for the construction of six projects through FY 2023. These projects will increase elementary school seating by 1,948 and high school seating by 223 (School Capacity Project table).

Although system-wide there are currently 575 elementary seats in excess of enrollment, there are 14 elementary schools that are over 100% of capacity. The 2023 overall enrollment/capacity rate at the elementary school level is projected to decrease from the current level of 97% to 89%. Construction funding for two new elementary schools is scheduled in FY2018, which will add 1,450 seats by August of 2018. Two more schools (one addition and one replacement) are scheduled to receive construction funding in FY2020 and FY2021, and FY2023 which will add 498 additional seats. Also scheduled for funding in FY2023 is construction of a new elementary school in the east section of the County but the timing is dependent on development in the area.

scheduled to receive construction funding in FY2020 and FY2021, and FY2023 which will add



Auditorium at the new Frederick High School

At the middle school level, there is a projected increase of approximately 292 students. Currently, there is one middle schools over 100% of capacity. However, system-wide there is a current

excess of 2,245 seats. The overall middle school enrollment/capacity rate is projected to increase from the present 81% to 83%.

The high school level is projected to increase by approximately 1,858 students over the seven year period. Currently, there is one high school over 100% of capacity. System-wide there is a current excess of 2,055 seats. The 2023 overall enrollment/capacity rate at the high school level will increase from the current level of 86% to 94%.



The new Frederick High School in the back and the current Frederick High School in the foreground

In addition to the additional seats needed, the Board of Education has prepared an evaluation of older schools and compiled a listing of schools in need of renovation. The Board has attempted to balance the need for new seats with renovation of older schools to ensure equity of facilities for all school communities. This priority listing is arranged by level and is included in the Educational Facilities Master Plan. The current top priority is Frederick HS (set to open August 2017) followed by Urbana ES, Rock Creek, and Liberty ES. Using the priority listing prepared by the Board, additional projects will be added as funding permits in the future.

School Capacity Projects for FY 2018-FY 2023				
Const./Open Yr./Date	School	Elem.	Middle	High
Cur./Aug 17	Frederick HS: Replacement			223
FY18/Aug 18*	Sugarloaf ES: New	725		
FY18/Aug 18	Butterfly Ridge ES: New	725		
FY20/Aug 20	Urbana ES: Replacement	214		
FY21/Aug 21	Waverly Elementary: Addition	284		
	Total New Seats	1,948	0	223

Tables: Updated by FCG Budget Office:

“Seats” do NOT include students enrolled at Rock Creek School, Heather Ridge, or Evening High

* The full number of new seats will not be available until the Urbana ES: Replacement project is complete, as the students will be relocated to Sugarloaf ES during the completion of this project.

Enrollment Capacity				
<i>based on "equated" enrollment</i>		<u>Elem</u>	<u>Middle</u>	<u>High</u>
Total New Seats Available		1,948	0	223
Existing Seat Excess/(Deficit)	+	575	2,245	2,055
Seats Available		2,523	2,245	2,278
Additional Seats Needed	-	126	292	1,440
Seat Excess/(Deficit)		2,397	1,953	838
<hr/>				
Sept 2023 Enrollment		18,972	9,586	13,882
Sept 2023 Capacity		21,369	11,539	14,720
Sept 2023 Enrollment/Capacity Ratio		89%	83%	94%

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED**

BOARD OF EDUCATION

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
New/Modernizations										
Contingency	3,082,061	3,082,061	0	1,817,778	0	392,910	278,490	199,973	392,910	0
Waverley ES: Addition	29,964,288	29,964,288	0	200,000	2,660,000	0	3,142,881	23,961,407	0	0
Sugarloaf ES: New	32,790,911	40,444,755	7,653,844	32,790,911	0	0	0	0	0	0
Frederick HS: Replacement	0	114,598,445	114,598,445	0	0	0	0	0	0	0
Urbana ES: Replacement	42,296,216	42,342,916	46,700	4,011,000	7,497,443	30,787,773	0	0	0	0
Butterfly Ridge ES: New	37,799,194	45,586,732	7,787,538	37,799,194	0	0	0	0	0	0
Middletown MS: Renovation	5,194,000	46,087,406	0	0	200,000	0	0	4,994,000	0	40,893,406
Liberty ES: Modernization	8,568,000	35,194,130	0	0	200,000	0	0	3,715,000	4,653,000	26,626,130
East County area ES: New	36,190,740	38,090,740	0	0	0	0	2,700,555	5,183,775	28,306,410	1,900,000
Rock Creek School: Replacement	39,886,114	40,019,394	133,280	3,517,500	0	5,085,425	31,283,189	0	0	0
Total: New/Modernizations	235,771,524	435,410,867	130,219,807	80,136,383	10,557,443	36,266,108	37,405,115	38,054,155	33,352,320	69,419,536
Systemic										
Systemics - Generic	26,155,000	26,155,000	0	5,355,000	4,160,000	4,160,000	4,160,000	4,160,000	4,160,000	0
Portable Classrooms FY2018	3,000,000	3,000,000	0	500,000	500,000	500,000	500,000	500,000	500,000	0
Total: Systemic	29,155,000	29,155,000	0	5,855,000	4,660,000	4,660,000	4,660,000	4,660,000	4,660,000	0
Total: Expenditure	264,926,524	464,565,867	130,219,807	85,991,383	15,217,443	40,926,108	42,065,115	42,714,155	38,012,320	69,419,536
FUNDING										
General Fund	3,093,000	5,185,664	2,092,664	500,000	500,000	500,000	500,000	593,000	500,000	0
General Fund Bonds & Capital Lease	97,037,180	201,892,367	66,699,545	25,084,343	9,147,193	15,785,933	22,478,895	14,476,827	10,063,989	38,155,642
Recordation Tax & Bonds	16,298,682	33,661,663	12,162,981	1,342,500	400,000	5,256,209	3,600,000	5,699,973	0	5,200,000
Impact Fee & Bonds	34,416,346	38,709,213	2,392,867	17,751,540	0	4,000,000	2,268,806	5,069,525	5,326,475	1,900,000
School Mitigation Fee	30,226,555	30,226,555	0	12,866,000	2,660,000	0	2,700,555	5,000,000	7,000,000	0
Grants	76,195,000	123,066,750	46,871,750	9,195,000	13,400,000	13,400,000	13,400,000	13,400,000	13,400,000	0
Other	7,659,761	31,823,655	0	19,252,000	(10,889,750)	1,983,966	(2,883,141)	(1,525,170)	1,721,856	24,163,894
Total Funding Source	264,926,524	464,565,867	130,219,807	85,991,383	15,217,443	40,926,108	42,065,115	42,714,155	38,012,320	69,419,536

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Capital Project Summary

Capital Project Number: ED0010

PS Project ID: C65300

Capital Project Title: Estimated State Funding

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project is the estimate of State of Maryland's allocation for Board of Education capital projects. This is primarily refunding the County for forward funding. The prior budget and first fiscal year are shown in the individual projects.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Total Cost:	0								

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
State-BOE Capital Project	67,000,000			13,400,000	13,400,000	13,400,000	13,400,000	13,400,000	
Cash - Forward Fund State	-67,000,000			-13,400,000	-13,400,000	-13,400,000	-13,400,000	-13,400,000	
General Obligation Bonds	0								
Total Cost:	0								



Capital Project Summary

Capital Project Number: ED0020

PS Project ID: C65460

Capital Project Title: Contingency

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

This project holds County funding in the amount of the State's portion of contingency for a construction project in the event that the State does not cover 100%. If needed the Board of Education would need to request the County to move the funds to the appropriate project. Previously this was taken into account in the individual projects. In order to better track the information, this project was created.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction - County Share	3,082,061		1,817,778		392,910	278,490	199,973	392,910	
Total Cost:	3,082,061		1,817,778		392,910	278,490	199,973	392,910	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From Impact Fee Funds	370,000		370,000						
Transfer from 33 Fund	199,973						199,973		
General Obligation Bonds	2,512,088		1,447,778		392,910	278,490		392,910	
Total Cost:	3,082,061		1,817,778		392,910	278,490	199,973	392,910	



Capital Project Summary

Capital Project Number: ED1009

PS Project ID: C65517

Capital Project Title: Waverley ES: Addition

Region: Frederick

Asset Category: Board of Education

Est Completion Date: 8/4/2021

Asset Type: New/Modernizations

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

After a revision from the State Department of Planning in March 2014, Waverley ES has a SRC of 416 and is currently operating at 137% of SRC with 12 portables. For the 2016-17 school year, Waverley will be operating with 17 portable classrooms and is anticipated to be at 144% of SRC. This addition will add 284 seats and provide a minimal expansion of the core facilities. The scope of work now includes a sprinkler system to meet current building code as well as improvements to the SWM system to meet new state regulations. The feasibility study in FY2018 will provide recommendations and define the scope of work further.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Work - State Share	874,075					874,075			
Construction - State Share	9,364,580						9,364,580		
Site Work - County Share	1,518,806					1,518,806			
Architect/Engineering - County Share	1,490,000			1,490,000					
Construction - County Share	15,316,827			1,170,000		750,000	13,396,827		
Equipment - County Share	1,200,000						1,200,000		
Studies - County Share	200,000		200,000						
Total Cost:	29,964,288		200,000	2,660,000		3,142,881	23,961,407		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From Impact Fee Funds	4,664,806					2,268,806	2,396,000		
Transfer from 33 Fund	1,700,000		200,000				1,500,000		
Transfer from Mitigation Fees	7,660,000			2,660,000			5,000,000		
Cash - Forward Fund State	10,238,655					874,075	9,364,580		
General Obligation Bonds	1,700,827						1,700,827		
Recordation Tax Bonds	4,000,000						4,000,000		
Total Cost:	29,964,288		200,000	2,660,000		3,142,881	23,961,407		



Capital Project Summary

Capital Project Number: ED1013

PS Project ID: C65513

Capital Project Title: Sugarloaf ES: New

Region: Urbana

Asset Category: Board of Education

Est Completion Date: 8/6/2018

Asset Type: New/Modernizations

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This will be a new facility with a student capacity of 725. This project will be located on a donated site in the Urbana North MXD, and is planned to relieve overcrowding at Urbana ES and Centerville ES. Centerville ES is currently operating at 148% of SRC with 17 portable classrooms and Urbana ES is operating at 135% of SRC with 14 portables. Overcrowding at these schools is expected to continue as the Urbana PUD and other developments continue to build out. It is anticipated that the Sugarloaf ES building will serve as a holding school for the Urbana ES students and staff while the Urbana ES is replaced on site. Sugarloaf ES will then open as a new school in August 2020. **The park school portion of this project is budgeted PR3501

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	0								
Architect/Engineering	0								
Construction	0								
Site Work - State Share	2,671,000	2,671,000							
Construction - State Share	12,251,000		12,251,000						
Site Work - County Share	2,441,452	2,329,000	112,452						
Architect/Engineering - County Share	3,480,566	1,605,896	1,874,670						
Construction - County Share	17,700,737	1,047,948	16,652,789						
Equipment - County Share	1,900,000		1,900,000						
Total Cost:	40,444,755	7,653,844	32,790,911						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
State-BOE Capital Project	6,671,000	2,671,000	4,000,000						
Transfer From Impact Fee Funds	7,656,755	2,375,215	5,281,540						
Transfer from Mitigation Fees	12,866,000		12,866,000						
Cash - Forward Fund State	8,251,000		8,251,000						
General Obligation Bonds	0	2,607,629	-2,607,629						
Impact Fee Bonds	5,000,000		5,000,000						
Total Cost:	40,444,755	7,653,844	32,790,911						



Capital Project Summary

Capital Project Number: ED1015

PS Project ID: C65511

Capital Project Title: Frederick HS: Replacement

Region: Frederick

Asset Category: Board of Education

Est Completion Date: 8/5/2017

Asset Type: New/Modernizations

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project will replace the 67 year old high school and provide a modern facility that will meet the current curriculum requirements. Frederick HS was originally constructed in 1939 with additions in 1955, 1967, 1977 and 1980. Approximately 90,000 sq. ft were renovated 30 years ago. Only minor systemic improvements have been done since. A modernization is needed to provide the required curriculum of a high school. Frederick HS was identified in a recent facility needs assessment as the second priority for renovation needs at the high school level behind Linganore HS. A feasibility study was completed in January 2013. Option 5 to replace the existing High School with a new, modern facility was recommended by the steering committee and approved by the Board of Education.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	7,566,462	7,566,462							
Architect/Engineering	3,390,500	3,390,500							
Construction	97,909,733	97,909,733							
Capital Approp - Studies	231,750	231,750							
Capital Approp Equipment	5,500,000	5,500,000							
Total Cost:	114,598,445	114,598,445							

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
State-BOE Capital Project	41,529,750	33,515,750	8,014,000						
State BOE Unallocated	0	8,014,000	-8,014,000						
Transfer From General Fund	1,662,684	1,662,684							
Transfer from 33 Fund	5,512,852	5,512,852							
General Obligation Bonds	58,275,110	58,275,110							
Premium - GO Bonds	967,920	967,920							
Recordation Tax Bonds	6,650,129	6,650,129							
Total Cost:	114,598,445	114,598,445							



Capital Project Summary

Capital Project Number: ED1017

PS Project ID: C65514

Capital Project Title: Urbana ES: Replacement

Region:

Asset Category: Board of Education

Est Completion Date: 8/3/2020

Asset Type: New/Modernizations

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

The facilities assessment completed by FCPS in April of 2000 shows that Urbana ES ranks high on the list of elementary schools to be modernized, particularly in terms of the condition of the physical facility. Urbana elementary school was originally constructed in 1960, at 36,646 GSF, and has received additions in 1965 and 1975. The total area of the building is 64,133 GSF. While occasional systemic repairs and replacements have occurred, no significant renovations have occurred in the past 55 years. The Board of Education approved the November 2014 feasibility study that recommended replacing the existing building with a new building on the existing site. The project will demolish the existing school and construct a new 725 student elementary school, located on the existing school site, while the students are temporarily re-located to the new Sugarloaf ES building.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Approp - Studies	46,700	46,700							
Site Work - State Share	2,510,250			2,510,250					
Construction - State Share	13,604,750				13,604,750				
Site Work - County Share	2,462,193			2,462,193					
Architect/Engineering - County Share	2,024,000		2,024,000						
Construction - County Share	19,745,023		1,987,000	2,525,000	15,233,023				
Equipment - County Share	1,950,000				1,950,000				
Total Cost:	42,342,916	46,700	4,011,000	7,497,443	30,787,773				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	46,700	46,700							
Transfer From Impact Fee Funds	4,000,000				4,000,000				
Transfer from 33 Fund	1,950,000				1,950,000				
Cash - Forward Fund State	16,115,000			2,510,250	13,604,750				
General Obligation Bonds	20,231,216		4,011,000	4,987,193	11,233,023				
Total Cost:	42,342,916	46,700	4,011,000	7,497,443	30,787,773				



Capital Project Summary

Capital Project Number: ED1023

PS Project ID: C65516

Capital Project Title: Butterfly Ridge ES: New

Region: Frederick

Asset Category: Board of Education

Est Completion Date: 8/2/2018

Asset Type: New/Modernizations

Year Identified: 2013

Capital Project Status: Open

Capital Project Description:

This project primarily relieves overcrowding at Hillcrest, Waverley and Orchard Grove elementary schools but may also relieve other adjoining elementary schools and impact feeder patterns. Hillcrest ES is currently operating at 140% of SRC with 34 portables, Waverley ES is currently operating at 137% of SRC with 12 portables, and Orchard Grove ES is at 94% of SRC with 3 portables. The new elementary school will be located on a 12 acre site, donated by Frederick City, that is located on Butterfly Lane. The new school will have a state rated capacity (SRC) of 725 students and is expected to open in August 2018. **The park school portion of this project is budgeted PR3501

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Improvement	0								
Architect/Engineering	0								
Construction	0								
Site Work - State Share	2,671,000	2,671,000							
Construction - State Share	15,001,000		15,001,000						
Site Work - County Share	6,390,522	2,228,522	4,162,000						
Architect/Engineering - County Share	3,279,549	1,511,692	1,767,857						
Construction - County Share	16,344,661	1,376,324	14,968,337						
Equipment - County Share	1,900,000		1,900,000						
Total Cost:	45,586,732	7,787,538	37,799,194						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
State-BOE Capital Project	6,671,000	2,671,000	4,000,000						
Transfer From General Fund	250,000	250,000							
Transfer From Impact Fee Funds	7,117,652	17,652	7,100,000						
Cash - Forward Fund State	11,001,000		11,001,000						
General Obligation Bonds	20,547,080	4,848,886	15,698,194						
Total Cost:	45,586,732	7,787,538	37,799,194						



Capital Project Summary

Capital Project Number: ED1024

Capital Project Title: Middletown MS: Renovation

Asset Category: Board of Education

Asset Type: New/Modernizations

Capital Project Status: Open

PS Project ID:

Region: Middletown

Est Completion Date:

Year Identified: 2013

Capital Project Description:

Middletown MS opened in 1953 with additions in 1957, 1976 and 1995. There have been no significant renovations to the middle school. This school is the highest priority middle school for modernization in the recently completed FCPS Facilities Assessment. The project will update the building systems and spaces to current standards.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Work - State Share	665,028								665,028
Construction - State Share	14,444,972								14,444,972
Site Work - County Share	858,378								858,378
Architect/Engineering - County Share	2,326,000						2,326,000		
Construction - County Share	23,593,028						2,668,000		20,925,028
Equipment - County Share	4,000,000								4,000,000
Studies - County Share	200,000			200,000					
Total Cost:	46,087,406			200,000			4,994,000		40,893,406

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	93,000						93,000		
Transfer from 33 Fund	4,200,000			200,000					4,000,000
Cash - Forward Fund State	15,110,000								15,110,000
General Obligation Bonds	26,684,406						4,901,000		21,783,406
Total Cost:	46,087,406			200,000			4,994,000		40,893,406



Capital Project Summary

Capital Project Number: ED1025

PS Project ID:

Capital Project Title: Liberty ES: Modernization

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2016

Capital Project Status: Open

Capital Project Description:

Liberty ES is a two story, nearly 55,000 square foot building, originally constructed in 1927 with additions in 1950, 1967 and 1982. Other than a minor renovation in 1982 of 18,000 sq. ft., there have been no other significant renovations of this school. This project will completely renovate the school and provide a modern facility to meet the current curriculum requirements. A feasibility study to define the scope of work is scheduled for FY19.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Work - State Share	1,517,106							1,517,106	
Construction - State Share	9,053,894								9,053,894
Site Work - County Share	2,510,894							2,510,894	
Architect/Engineering - County Share	1,810,000						1,810,000		
Construction - County Share	18,902,236						1,905,000	625,000	16,372,236
Equipment - County Share	1,200,000								1,200,000
Studies - County Share	200,000			200,000					
Total Cost:	35,194,130			200,000			3,715,000	4,653,000	26,626,130

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer from 33 Fund	1,400,000			200,000					1,200,000
Cash - Forward Fund State	10,571,000							1,517,106	9,053,894
General Obligation Bonds	23,223,130						3,715,000	3,135,894	16,372,236
Total Cost:	35,194,130			200,000			3,715,000	4,653,000	26,626,130



Capital Project Summary

Capital Project Number: ED1030

PS Project ID:

Capital Project Title: East County area ES: New

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2013

Capital Project Status: Open

Capital Project Description:

This will be a new 725 SRC elementary school on a site dedicated in the Linganore PUD or the Landsdale Development, depending on the continued buildout of the PUD and other large planned residential communities in east Frederick County. This project was formerly referred to as Linganore area ES. A site will be dedicated in the Linganore PUD and on Ed McClain Rd in the Landsdale Subdivision. The school will be approximately 93,000 sq. ft. **The park school portion of this project is budgeted PR3501

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Site Work - State Share	2,510,250						2,510,250		
Construction - State Share	13,604,750							13,604,750	
Site Work - County Share	2,348,525						2,348,525		
Architect/Engineering - County Share	1,580,370					1,580,370			
Construction - County Share	16,146,845					1,120,185	325,000	14,701,660	
Equipment - County Share	1,900,000								1,900,000
Total Cost:	38,090,740					2,700,555	5,183,775	28,306,410	1,900,000

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From Impact Fee Funds	9,900,000						2,673,525	5,326,475	1,900,000
Transfer from Mitigation Fees	9,700,555					2,700,555		7,000,000	
Cash - Forward Fund State	16,115,000						2,510,250	13,604,750	
General Obligation Bonds	2,375,185							2,375,185	
Total Cost:	38,090,740					2,700,555	5,183,775	28,306,410	1,900,000



Capital Project Summary

Capital Project Number: ED1040

PS Project ID: C65401

Capital Project Title: Rock Creek School: Replacement

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2014

Capital Project Status: Open

Capital Project Description:

Rock Creek School provides special education programs for Frederick County students with severe complex medical conditions and severe intellectual, physical, emotional, hearing, vision and learning disabilities from age 3 through 21. The school, located on the same site as the Waverley Elementary School, was built in 1972 and has had no significant renovations in the past 43 years. A feasibility study, completed in August 2016, recommended that the school be replaced with a new 81,000 square foot building on another site. The study identified five possible sites. The Board of Education approved this recommendation. The design phase of the project, requested for FY18, will begin with the final site selection and then move to the design of the new building.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Approp Equipment	0								
Site Work - State Share	1,779,216				1,779,216				
Construction - State Share	9,642,784					9,642,784			
Site Work - County Share	2,806,209				2,806,209				
Architect/Engineering - County Share	1,775,000		1,775,000						
Construction - County Share	19,882,905		1,742,500		500,000	17,640,405			
Equipment - County Share	4,000,000					4,000,000			
Studies - County Share	133,280	133,280							
Total Cost:	40,019,394	133,280	3,517,500		5,085,425	31,283,189			

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	133,280	133,280							
Transfer from 33 Fund	8,048,709		1,142,500		3,306,209	3,600,000			
Cash - Forward Fund State	11,422,000				1,779,216	9,642,784			
General Obligation Bonds	20,415,405		2,375,000			18,040,405			
Total Cost:	40,019,394	133,280	3,517,500		5,085,425	31,283,189			



Capital Project Summary

Capital Project Number: ED5001

PS Project ID: C65246

Capital Project Title: Systemics - Generic

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: Systemic

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

This project serves as the budget for all systemics including roof, mechanical, paving, etc projects and may be re-allocated to sub-projects as needed for recording and tracking purposes.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Construction	0								
Capital Appropriations	0								
Construction - State Share	1,195,000		1,195,000						
Construction - County Share	24,960,000		4,160,000	4,160,000	4,160,000	4,160,000	4,160,000	4,160,000	
Total Cost:	26,155,000		5,355,000	4,160,000	4,160,000	4,160,000	4,160,000	4,160,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
State-BOE Capital Project	1,195,000		1,195,000						
Transfer From General Fund	0								
General Obligation Bonds	24,960,000		4,160,000	4,160,000	4,160,000	4,160,000	4,160,000	4,160,000	
Total Cost:	26,155,000		5,355,000	4,160,000	4,160,000	4,160,000	4,160,000	4,160,000	



Capital Project Summary

Capital Project Number: ED7010

PS Project ID: C65582

Capital Project Title: Portable Classrooms FY2018

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: Systemic

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

This project involves the annual purchase and/or relocation of portable classrooms. There are currently 175 county-owned portable classrooms and one 4-classroom state-owned unit in use, providing instructional space. Since many of these units are over 30 years old, we will need to devote part of the annual allocation to refurbishing existing portables. The budgeted amounts may change from year to year depending upon enrollment growth and status of school overcrowding.

Prior budget is in separate project numbers

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Appropriations	3,000,000		500,000	500,000	500,000	500,000	500,000	500,000	
Total Cost:	3,000,000		500,000	500,000	500,000	500,000	500,000	500,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	3,000,000		500,000	500,000	500,000	500,000	500,000	500,000	
Total Cost:	3,000,000		500,000	500,000	500,000	500,000	500,000	500,000	

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MUNICIPALITIES

MUNICIPALITIES

Funding for the following Municipal projects is scheduled for the FY18-FY23 CIP:

Airport Improvements - This project is the County's matching portion of FAA approved projects at the airport.

Monocacy Boulevard – Related to the MOU signed by the County in November 2013 that provides a County contribution up to a maximum of \$8,350,000, for the widening and realignment phase that runs from Schifferstadt Boulevard to the Gas House Pike/Monocacy Boulevard intersection.

Yellow Springs Road Bridge – Related to the MOU signed by the County in October 2013 that provides a County contribution up to a maximum of \$400,000, for the replacement of the existing bridge on Yellow Springs Road over Tuscarora Creek.

Moser Sidewalk – Will install a sidewalk with curb and gutter on the south side of Moser Road. Frederick County's funding commitment is approximately 55% of the entire project.

**FY2018-2023 CAPITAL IMPROVEMENT PROGRAM
ADOPTED
MUNICIPALITIES**

Project	6-Year	Total Project	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
City of Frederick										
Frederick Municipal Airport	286,127	675,148	389,021	0	90,489	89,069	89,069	17,500	0	0
Monocacy Blvd	3,200,000	8,350,000	5,150,000	3,200,000	0	0	0	0	0	0
Yellow Springs Rd Bridge	400,000	400,000	0	0	400,000	0	0	0	0	0
Total: City of Frederick	3,886,127	9,425,148	5,539,021	3,200,000	90,489	489,069	89,069	17,500	0	0
Town of Thurmont										
Moser Rd Sidewalk	100,000	100,000	0	100,000	0	0	0	0	0	0
Total: Town of Thurmont	100,000	100,000	0	100,000	0	0	0	0	0	0
Total: Exeption	3,986,127	9,525,148	5,539,021	3,300,000	90,489	489,069	89,069	17,500	0	0



Capital Project Summary

Capital Project Number: MP1001

PS Project ID: C51003

Capital Project Title: Frederick Municipal Airport

Region:

Asset Category: Municipalities

Est Completion Date:

Asset Type: City of Frederick

Year Identified: 2010

Capital Project Status: Open

Capital Project Description:

Design and construct improvements to Frederick Municipal Airport as outlined in the Airport Master Plan, stage I & II improvements. Updated to reflect current cost and FAA funding. The Federal Government share is 90%, the State share is 5.0% and the County and City shares are both 2.5%. ONLY the county portion is being shown.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Appropriations	0								
Capital Approp - Other Parties	675,148	389,021		90,489	89,069	89,069	17,500		
Total Cost:	675,148	389,021		90,489	89,069	89,069	17,500		

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	593,063	306,936		90,489	89,069	89,069	17,500		
General Obligation Bonds	82,085	82,085							
Total Cost:	675,148	389,021		90,489	89,069	89,069	17,500		



Capital Project Summary

Capital Project Number: MP1011

PS Project ID: C51009

Capital Project Title: Monocacy Blvd

Region:

Asset Category: Municipalities

Est Completion Date:

Asset Type: City of Frederick

Year Identified: 2015

Capital Project Status: Open

Capital Project Description:

This project involves the widening and realignment of Monocacy Boulevard from Schifferstadt Boulevard to the Gas House Pike/Monocacy Boulevard intersection. It includes the rehabilitation of an existing bridge and the construction of a new bridge over the Monocacy River, and a traffic signal at Gas House Pike/Monocacy Blvd. ONLY the county portion is being shown.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Appropriations	0								
Capital Approp - Other Parties	8,350,000	5,150,000	3,200,000						
Total Cost:	8,350,000	5,150,000	3,200,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
General Obligation Bonds	8,350,000	5,150,000	3,200,000						
Total Cost:	8,350,000	5,150,000	3,200,000						



Capital Project Summary

Capital Project Number: MP1012

Capital Project Title: Yellow Springs Rd Bridge

Asset Category: Municipalities

Asset Type: City of Frederick

Capital Project Status: Open

PS Project ID:

Region: Frederick

Est Completion Date: 7/3/2020

Year Identified: 2015

Capital Project Description:

In September 2012 the City of Frederick annexed the Keller property located off Yellow Springs Road. Subsequently a Memorandum of Understanding (MOU) was executed for the transfer of approximately 1 mile of Yellow Springs Road to the City of Frederick. Included in this road segment is a structure over Little Tuscarora Creek. Per the MOU executed on October 31, 2013 the County will contribute 40% of the total cost of the design, construction and widening of the bridge, such 40% share not to exceed the sum of \$400,000. ONLY the county portion is being shown.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Approp - Other Parties	400,000				400,000				
Total Cost:	400,000				400,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	400,000				400,000				
Total Cost:	400,000				400,000				



Capital Project Summary

Capital Project Number: MP1201

PS Project ID: C51024

Capital Project Title: Moser Rd Sidewalk

Region: Thurmont

Asset Category: Municipalities

Est Completion Date:

Asset Type: Town of Thurmont

Year Identified: 2018

Capital Project Status: Open

Capital Project Description:

This project will install approximately 15,000 square feet of sidewalk and approximately 3,000 linear feet of curb and gutter on the south side of Moser Road. There is no sidewalk access along Moser Road and pedestrian safety has become a concern with increased vehicular traffic. Pedestrians often walk alongside Moser Road or in the travel lanes to visit the Thurmont Regional Library, which is part of the Frederick County Public Libraries. This causes a critical pedestrian safety concern, especially since many of these pedestrians are pushing baby strollers or walking with children to the library. The proposed sidewalk will comply with all ADA requirements. Contingent upon execution of a Memorandum of Understanding (MOU) between the Town and the County, Frederick County's funding commitment is estimated at \$100,000 which is approximately 55% of the entire project. County funds will not be expended until the MOU is fully executed. ONLY the county portion is being shown.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Capital Approp - Other Parties	100,000		100,000						
Total Cost:	100,000		100,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2018	2019	2020	2021	2022	2023	Costs After
Transfer From General Fund	100,000		100,000						
Total Cost:	100,000		100,000						

APPENDICIES

CAPITAL IMPROVEMENTS PROGRAM POLICIES

The Capital Improvement Program (CIP) is a schedule of public improvement projects planned by County Government to occur over a six-year period and includes project descriptions, estimated costs and sources of funding. The Capital Budget is the first year of the CIP and includes those projects for which funds have been appropriated. The following CIP policies are intended to guide funding decisions during the CIP review process:

1. The County will prepare and adopt a six-year Capital Improvements Program (CIP), update it annually, and make all capital improvements in accordance with the Capital Budget.
2. The County will attempt to budget as pay-go for capital improvements an amount equal to 7% of General Fund operating revenues. General Fund pay-go, impact fee pay-go, dedicated recordation taxes and building excise taxes will be considered in total in reaching this goal. Other capital funding will be through general obligation bonds, state and federal grants, enterprise fund resources and other sources.
3. The County will perform an annual review and update of the peer group numbers that will be incorporated into the review of the Debt Affordability standards.
4. The County will annually review the Debt Affordability standards based on the original Debt Affordability Study developed in 1991. The standards shall be updated by the Budget Office annually and submitted to the County Executive for review.
5. A capital project in the CIP shall have the following characteristics:
 - a. The project will add to the government's public infrastructure.
OR
The project will result in a major repair of a fixed asset that significantly adds to or preserves the life of the original asset
OR
The project will establish or enhance internal computer/program systems. This excludes routine expenses such as maintenance, license renewals, etc.
 - b. The project will have an individual project cost totaling \$100,000 or more. Projects of less than \$100,000 will only be permitted when required for State or Federal funding; and multiple projects in a single category, totaling \$100,000 or more, will also be considered if they meet all other characteristics.
 - c. Acquisition of land for future projects (land banking) will be eligible when it has been identified as a need in the six-year CIP, in the County Comprehensive Plan, or when it can be shown as necessary and based on recent growth trends or County policy decisions.

- d. Municipal projects will be considered if the project is not exclusively for municipal residents or if the project is a cooperative effort by municipal, county and/or state agencies.
6. Eligible capital costs will include Land Acquisition, Site Improvements, Planning, Design, Construction, Inspection/Overhead, IIT Equipment/Infrastructure, Equipment (including some start-up costs), and Project Management.
7. All capital costs listed in the CIP will be in current dollars and updated annually when submitted for inclusion in the CIP. Any change in project costs from the previously approved CIP must be justified in writing and include a new project summary form along with the reasons for the change in the project cost.
8. Construction of a project must be forecast within two years of completion of design work before funding for design will be approved, unless the nature of the project warrants otherwise. Some examples are large purchases of land easements, state concurrence on project documents, etc.
9. A project's construction bid process must be anticipated to start in the upcoming fiscal year in order for it to be funded in the Capital Budget.
10. When construction funds are approved and construction is not undertaken within two years, the project will be evaluated for possible dis-appropriation in the Capital Budget and re-appropriation in the revised construction year. Under §512 of the County Charter, a capital project is considered abandoned if 3 fiscal years elapse and the appropriation has not been expended or encumbered.
11. All capital projects will be reviewed and approved in accordance with Annotated Code of Maryland Land Use Article § 3-205 regarding consistency with County Plans. The Planning Commission will vote on the consistency based on the County Executive's proposed budget.
12. The following criteria will be used by the Capital Improvement Program Committee to evaluate the merits of each requested capital project:
 - a. The project fosters the "Community Concept" of the County Comprehensive Plan by directing capital investments to designated growth areas.
 - b. The project implements a component of an approved facility or master plan.
 - c. The project is consistent with and timed with other capital projects.
 - d. The project does not duplicate service areas of other public facilities or services.
 - e. The project will be implemented in a timely manner.

- f. The project reduces the cost of operations or energy consumption whenever possible.
 - g. The project provides for the health, safety, and welfare of the community.
- 13. Projects scheduled in previously approved CIP's should be considered when establishing priorities for future CIP programs.
- 14. It shall be the goal of each six-year CIP to provide sufficient funding to achieve a County-wide school capacity equal to 90% of the state-rated school capacity based on six-year projected enrollments system-wide.
- 15. The County will attempt to utilize funds collected through the school construction fee option (§ 1-20-62 of the Frederick County Code) for school improvements within the feeder pattern where the fee was collected.
- 16. The Division of Utilities and Solid Waste Management will be responsible for water, sewer and solid waste project execution. The Interagency Information Technologies Division will be responsible for the project execution of projects of a technology nature. The Division of Public Works will be responsible for project execution of all approved County capital projects except those listed above, those of the Frederick County Public Schools, Frederick Community College, municipalities, and those otherwise designated.
- 17. Following completion of a project, any and all remaining surplus of County capital funds will revert to an unallocated account until reallocated through the Annual Budget process or through an amendment to the Capital Budget as provided in §513 of the County Charter.
- 18. The County will attempt to match timing of bond issues with construction needs. Use of General Fund surplus to forward fund projects will be minimized to the extent possible. The feasibility of establishing lines-of-credit and other short-term borrowings will be investigated to control cash flow requirements in accordance with existing policies, procedures and legislation.
- 19. Any new capital project proposed outside of the annual CIP process may only be considered as an amendment to the capital budget, must comply with §513 of the County Charter, and must adhere to the characteristics of a capital project as stated in policy #5 and #6.

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CAPITAL IMPROVEMENT PROGRAM FY2018-2023

INDEX

PG # PROJECT

GENERAL GOVERNMENT

- 39 300 Scholl's Lane Renovation
- 48 331 Montevue Expansion
- 31 ADC Infrastructure Rehabilitation
- 30 ADC Phase IV Addition and Medical Unit
- 29 Adult Detention Center Storage Building
- 26 Advanced Life Support Cardiac Monitors
- 49 Building and Space Utilization
- 36 Communications Support Vehicle
- 41 Courthouse Capacity Improvements Project
- 27 DFRS Records Management System
- 61 EAM & Fleet Mgt System - Software
- 57 Enterprise GIS FY09 ongoing
- 58 ERP System- Software
- 59 Financial System FY09 ongoing
- 28 Fire Apparatus and Vehicle Replacement
- 25 Fire Rescue portable radio replacement and enhancement
- 23 Green Valley Fire Station at Monrovia Town Center
- 22 Hayward Road Fire Station
- 45 Health Department Parking Expansion
- 55 IIT Systemics- General
- 60 Land Management
- 56 LEAPS
- 34 LEC Security Project
- 53 Linganore Town Center Library
- 54 Maintenance Systemics - General
- 52 Middletown Library
- 44 Montevue Campus Refueling Station
- 51 Myersville Library
- 47 Pine Avenue Maintenance Complex Renovations
- 21 PSTF Master Plan
- 43 Public Safety Training Facility Maintenance Shop and Garages
- 38 Radio system capacity enhancement
- 37 Radio system SCADA upgrade
- 42 Sagner Ave Renovations
- 24 SCBA Replacement
- 32 Sheriff's Office In-Car Video Cameras
- 33 Surveillance Van
- 46 Transit Facility Expansion
- 62 Treasury System
- 35 Urbana tower site
- 63 Video Services On-going Replacement/Upgrade
- 50 Walkersville Library
- 40 Work Force Services to Alternate Location

WATER AND SEWER

- 72 Ballenger Elevated Water Tank painting
- 67 Ballenger-McKinney WWTP Sludge Management
- 80 Crestview Sewer Replacement
- 73 Developer-Funded Infrastructure
- 76 Grease Receiving Station at Ballenger-McKinney WWTP
- 75 Lewistown Wastewater Collection System
- 74 Lewistown Wastewater Treatment Plant Improvements

CAPITAL IMPROVEMENT PROGRAM FY2018-2023

INDEX

PG # PROJECT

WATER AND SEWER cont'd

- 69 Linganore Interceptor 1 - Lower Reach
- 70 Linganore Interceptor 2 - Upper Reach
- 71 Monrovia Water Storage Tank 2
- 79 Raw Water Intake and Pump Station Improvements
- 81 Route 180 Sewer Relocation (Jefferson)
- 78 Route 355 Water Main Relocations
- 68 Sewerage Problem Area Remediation
- 82 SHA Utility Relocations
- 83 Summerfield SPS elimination & sewer extension
- 77 Truck Scale at New Design Water Treatment Plant

PARKS AND RECREATION

- 91 Acquisition
- 98 Ballenger Creek Park Maintenance Area & Widrick House Rehabilitation
- 99 Bikeways/Trails Program
- 100 Bridgeport Monocacy River Access
- 93 Middletown CP Development & Rehab
- 92 Old National Pike DP - Ph 2
- 102 Park Schools
- 97 Parks Systemic
- 94 Point of Rocks Regional Park
- 101 Rocky Ridge Landing Monocacy River Access
- 96 Rose Hill Exhibit and Storage Barn
- 103 South County YMCA, Indoor Pool Partnership
- 95 Utica DP - Phase 2

WATERSHED RESTORATION

- 109 County-Owned Stormwater Facility Retrofits (formerly Industrial Facility Retrofits)
- 117 Englandtowne Bioswale (Upper Reach)
- 112 Little Hunting Creek Stream Restoration Phase 1
- 113 Little Hunting Creek Stream Restoration Phase 2
- 114 Little Hunting Creek Stream Restoration Phase 3
- 118 Open Section Road Field Verification
- 116 Point of Rocks Bioswales & Bioretention
- 111 Point of Rocks Pond Retrofit
- 110 Point of Rocks Stream Restoration
- 115 Reforestation Program
- 119 Watershed Systemics

ROADS

- 123 Boyers Mill Road
- 128 Christopher's Crossing Widening
- 127 Gas House Pike (from the City Limits to Boyers Mill Road)
- 126 Reels Mill Road - Ph 2
- 124 Reichs Ford Road - Ph 2
- 125 Yeagertown Road

CAPITAL IMPROVEMENT PROGRAM FY2018-2023

INDEX

PG # PROJECT

BRIDGES

- 132 Brethren Church Rd Br
- 131 Gas House Pike Bridge
- 133 Hessong Bridge Road Bridge
- 134 Hoovers Mill Road Bridge (No. 15-11)
- 135 Hornets Nest Road Bridge (No. 05-22)
- 137 Replacement of Old Mill Road Bridge No. F04-09
- 136 Stottlemeyer Road Bridge F06-01 Deck Replacement

HIGHWAYS

- 142 Highway Network Systemic - General
- 147 MD 85 Improvements
- 141 Pavement Mgmt Pgm FY09-ongoing
- 144 Road Signalization FY09 ongoing
- 145 Roads Satellite Facilities #3
- 143 Sidewalk Retrofit Program
- 146 Urbana Satellite Yard

COMMUNITY COLLEGE

- 152 Building B Renovation
- 156 Building E - Renovation/Addition
- 158 Classroom Technology Upgrades
- 159 FCC Systemics
- 154 Jefferson Hall (Bldg J) Reconfiguration
- 155 Linganore Hall (Bldg L) Renovation/Addition
- 153 Monroe Reconfiguration
- 151 Science/Tech Hall Renov-FCC
- 157 Technology Upgrade

BOARD OF EDUCATION

- 171 Butterfly Ridge ES: New
- 166 Contingency
- 174 East County area ES: New
- 165 Estimated State Funding
- 169 Frederick HS: Replacement
- 173 Liberty ES: Modernization
- 172 Middletown MS: Renovation
- 177 Portable Classrooms FY2018
- 175 Rock Creek School: Replacement
- 168 Sugarloaf ES: New
- 176 Systemics - Generic
- 170 Urbana ES: Replacement
- 167 Waverley ES: Addition

MUNICIPALITIES

- 181 Frederick Municipal Airport
- 182 Monocacy Blvd
- 184 Moser Rd Sidewalk
- 183 Yellow Springs Rd Bridge

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