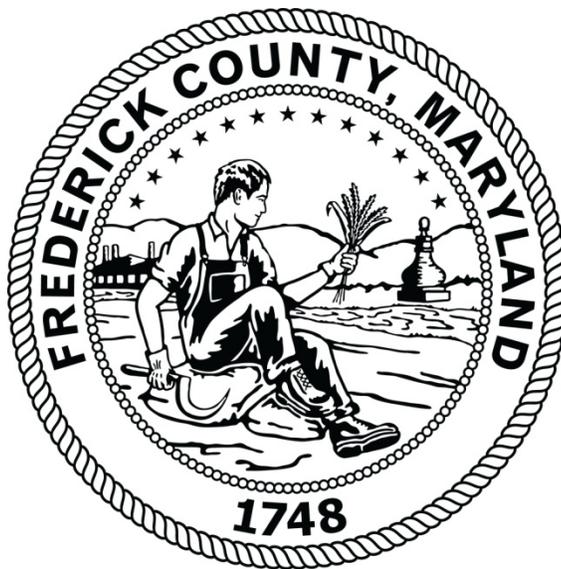


FREDERICK COUNTY, MARYLAND COUNTY EXECUTIVE PROPOSED

CAPITAL IMPROVEMENTS PROGRAM FISCAL YEARS 2020 – 2025



Jan H. Gardner, County Executive
April 2019

**CAPITAL IMPROVEMENT PROGRAM
FISCAL YEARS 2020 – 2025
COUNTY EXECUTIVE PROPOSED**

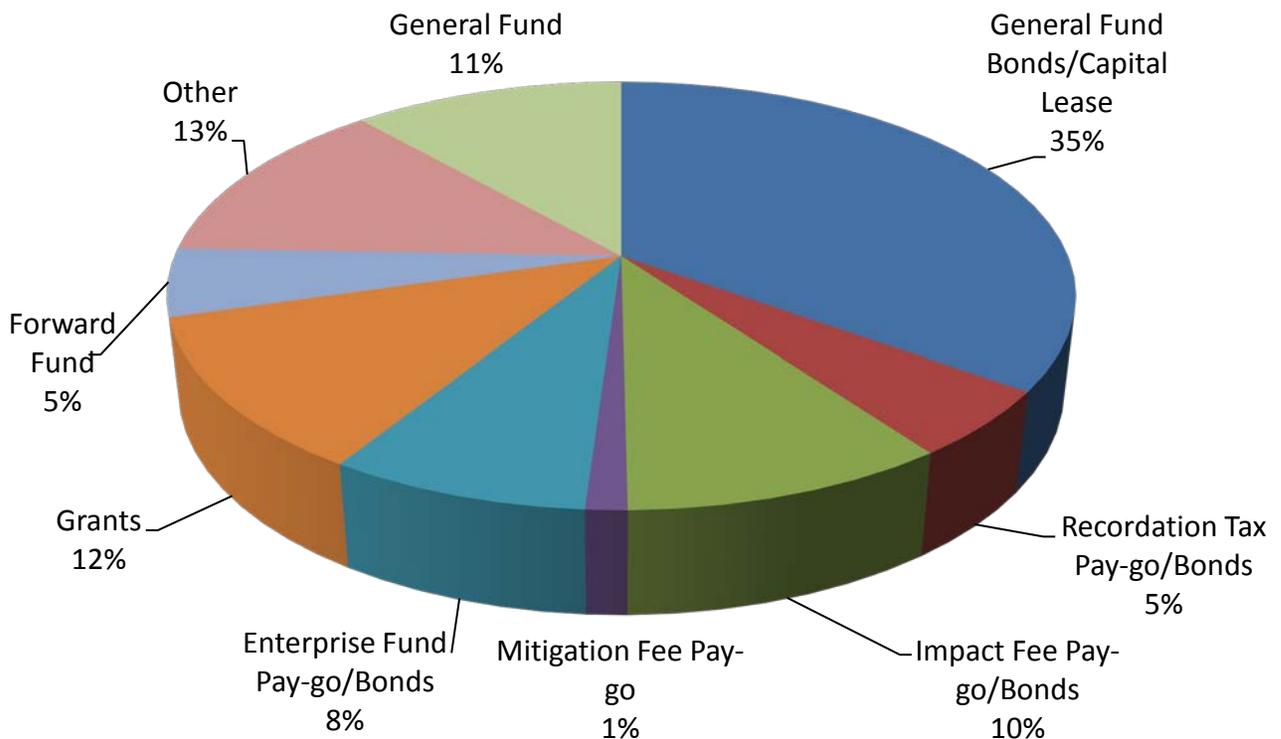
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PROJECT SUMMARIES

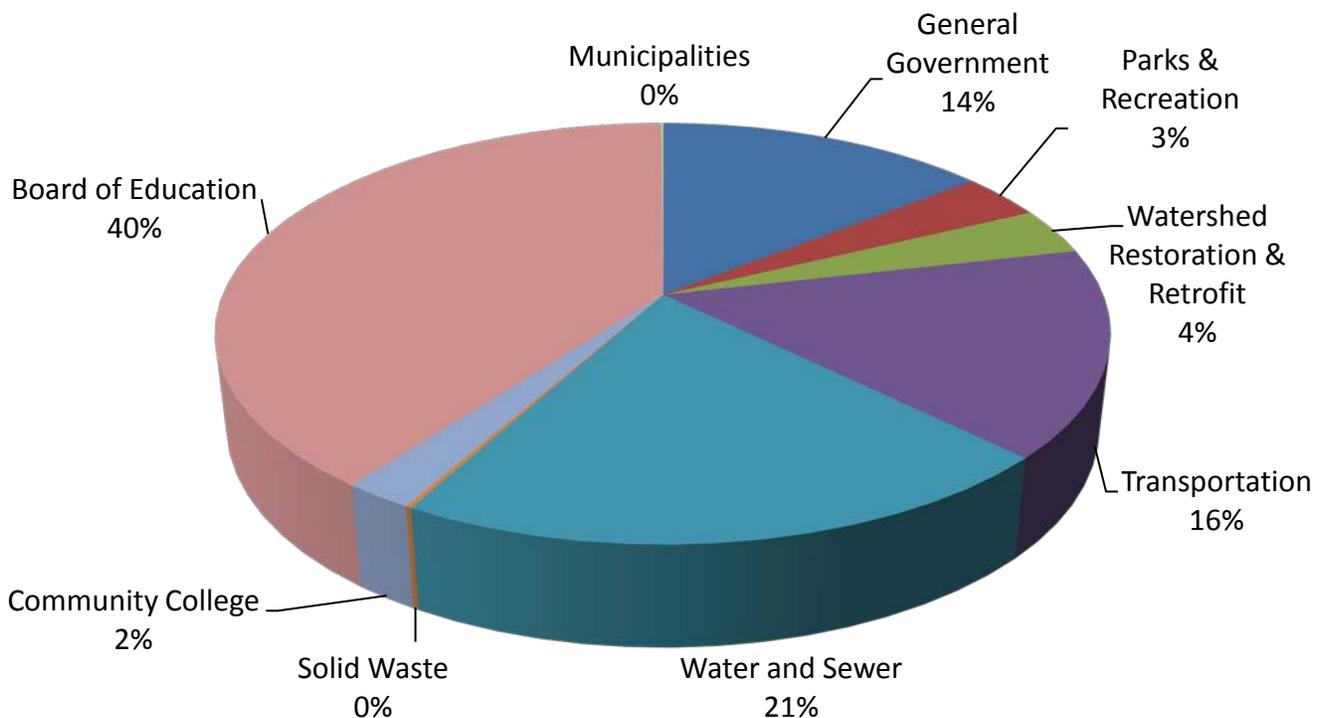
Capital Improvement Program Revenue Sources

	PROPOSED
General Fund	\$ 120,436,174
General Fund Bonds/Lease	364,836,200
Recordation Taxes - Parks	16,017,131
Recordation Tax Bonds - Parks	8,274,962
Recordation Taxes - Schools	17,745,590
Recordation Tax Bonds - Schools	10,500,000
Impact Fees - Library	3,200,963
Impact Fees -Schools	95,102,076
Impact Fee Bonds -Schools	4,196,000
Mitigation Fees - Schools	13,000,000
Enterprise Fund Pay-go	22,986,352
Enterprise Fund Bonds	58,916,512
Grants - State	114,145,209
Grants - Federal	6,342,800
Cash - Forward Fund State	53,493,622
Other	134,487,961
Total	\$ 1,043,681,552



Capital Improvement Program Expenditure Uses

	PROPOSED
General Government	\$ 149,106,192
Parks & Recreation	36,829,704
Watershed Restoration & Retrofit	37,519,245
Roads	20,686,700
Bridges	11,799,900
Highways	133,692,404
Water and Sewer	215,233,400
Solid Waste	1,878,000
Community College	22,459,500
Board of Education	413,444,924
Municipalities	1,031,583
Total	\$ 1,043,681,552



**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED**

SUMMARY - ALL PROJECTS

PROJECT	6-Year **						Costs After			
	Proposed	Total Project	Prior Budget	2020	2021	2022		2023	2024	2025
General Government	149,106,192	217,082,638	25,316,467	16,375,776	26,823,325	30,718,390	23,032,384	39,851,286	12,305,031	42,659,979
Parks & Recreation	36,829,704	78,278,200	21,539,336	4,922,371	11,820,613	3,357,078	11,681,190	2,866,955	2,181,497	19,909,160
Watershed Restoration and Retrofit	37,519,245	73,229,340	15,967,470	7,045,399	6,038,846	6,037,500	6,037,500	6,180,000	6,180,000	19,742,625
Roads	20,686,700	71,338,482	30,749,582	2,332,200	10,428,800	321,400	6,046,400	806,100	751,800	19,902,200
Bridges	11,799,900	17,185,100	5,385,200	3,687,900	2,763,300	1,560,100	456,200	2,096,300	1,236,100	0
Highways	133,682,404	148,553,181	13,674,177	25,478,154	21,824,700	24,595,450	21,294,700	20,249,700	20,249,700	1,186,600
Water and Sewer	215,233,400	281,148,437	62,467,786	37,390,600	25,016,500	21,740,000	21,549,000	27,238,000	82,299,300	3,447,251
Solid Waste	1,878,000	2,678,000	800,000	828,000	210,000	210,000	210,000	210,000	210,000	0
Community College	22,459,500	36,512,242	2,841,492	5,902,000	8,477,210	4,319,290	1,017,000	1,017,000	1,727,000	11,211,250
Board of Education	413,444,924	632,812,562	73,756,936	82,052,781	72,304,276	53,682,152	23,671,891	52,200,023	129,533,801	145,610,702
Municipalities	1,031,583	1,522,132	490,549	553,389	116,569	101,250	97,042	83,333	80,000	0
Total Expense	1,043,681,552	1,560,340,314	252,988,995	186,568,570	185,824,139	146,642,610	115,093,307	152,798,697	256,754,229	263,669,767
FUNDING										
General Fund	120,436,174	183,406,955	14,463,180	20,003,295	19,318,565	18,719,140	17,932,087	22,008,324	22,454,763	48,507,601
General Fund Bonds & Capital Lease	364,836,200	603,359,786	102,537,724	59,887,217	69,004,086	56,368,033	47,240,753	58,956,611	73,379,500	135,985,862
Recordation Tax & Bonds	52,537,683	81,278,549	20,675,876	9,547,062	16,793,249	8,313,169	12,394,079	1,787,791	3,702,333	8,064,990
Impact Fee & Bonds	102,499,039	120,162,313	14,155,024	16,337,324	14,422,790	10,744,732	11,375,395	24,618,798	25,000,000	3,508,250
School Mitigation Fee	13,000,000	19,729,424	6,729,424	3,000,000	7,000,000	3,000,000	0	0	0	0
Excise Tax	0	2,073,492	2,073,492	0	0	0	0	0	0	0
Enterprise Fee & Bonds	81,902,864	96,440,014	12,619,163	13,247,300	6,313,850	1,953,675	1,762,675	6,502,055	52,123,309	1,917,987
Grants	120,488,009	154,494,338	22,835,390	25,378,387	23,116,080	23,101,341	16,647,667	15,810,367	16,434,167	11,170,939
Other	187,981,583	299,095,443	56,599,722	39,167,985	29,855,519	24,442,520	7,740,651	23,114,751	63,660,157	54,514,138
Total Funding Source	1,043,681,552	1,560,040,314	252,688,995	186,568,570	185,824,139	146,642,610	115,093,307	152,798,697	256,754,229	263,669,767

** 6-Year Proposed is the sum of FY2020 through FY2025

PUBLIC SAFETY (General Government)				
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes
GG1002	PSTF Parking	2020	2020	No Change
GG1027	Northgate Fire Station	Prior	Prior	No Change - Residual Funding due to design being delayed; Updated the project name to reflect the name of the fire station instead of the location
GG1028	Green Valley Fire Station	2020	2021	Delayed 1 year - to reflect the actual timing of the project
GG1031	*Carroll Manor Fire Station		Design 2024	New Project
GG1080	SCBA Replacement	2024/25	2024/25	No Change
GG1082	Fire Rescue Portable Radio Replacement	Complete	Complete	Moved Funding to GG1198-Portable Radio
GG1083	Advanced Life Support Cardiac Monitors	2024/25	2024/25	No Change
GG1085	DFRS Mobile Data Terminal Replacement	2019-2021	2019-2021	No Change
GG1098	Fire Apparatus and Vehicle Replacement	On-going	On-going	No Change
GG1105	Adult Detention Center Storage Building	Out Years	Out Years	No Change
GG1106	ADC Phase IV Addition	2022	2022	Due to State participation this project was downscoped to only include the medical unit
GG1107	ADC Infrastructure Rehabilitation	2024	2024	No Change
GG1108	*ADC Control Center Modernization		2020	New Project
GG1153	*Courthouse Security Equipment Replacement		2022	New Project
GG1156	Sheriff Office Mobile Data Terminal Replacements	Various	Various	Added next cycle (FY2024-26)
GG1157	*Sheriff's Office Dell EMC Isilon Storage		2020	New Project
GG1195	Communications Support Vehicle	2020	2020	No Change
GG1197	Radio system capacity enhancement		Out Years	No Change, placeholder
GG1198	Portable Radio Replacements	2022-2023	Various	Using funding from GG1082 to move forward a portion of the project

MISCELLANEOUS BUILDINGS AND SYSTEMICS (General Government)				
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes
GG2019	Courthouse Capacity Improvements Project	2024	2024	No Change
GG2030	Public Safety Training Facility Maintenance Shop and Garages	2024	2024	No Change
GG2031	Montevue Campus Refueling Station	2023	2023	No Change
GG2034	Pine Avenue Maintenance Complex Renovations	2022	2021	Moved forward 1 year
GG2037	*Treasury Redesign		2020	New Project
GG2038	*Montevue Campus Renovations/Reconfiguration		Design 2024	New Project
GG4199	Maintenance Systemics - General	On-going	On-going	Added additional funding

Project #	LIBRARY (General Government) Project Name	Current Construction Year	CE Proposed Construction Year	Notes
GG3005	Middletown Library	2023	2023	No Change
GG3006	Linganore Town Center Library	Out Years	Out Years	No Change
GG3101	*Point of Rocks Library Rehab		2020	New Project; moved funding from Walkersville Library
GG3090	*Integrated Library System Migration		2022	New Project

Project #	TECHNOLOGY (General Government) Project Name	Current Construction Year	CE Proposed Construction Year	Notes
GG5001	IIIT Systemics- General	On-going	On-going	Re-aligned funding as requested
GG5005	LEAPS	On-going; 2021/22	On-going; 2021/22	Added additional funding
GG5006	Enterprise GIS	On-going	On-going	No Change
GG5008	Financial System	On-going	On-going	Added additional funding
GG5009	Land Management	On-going; 2018/19	On-going; 2018/19	Added additional funding
GG5010	EAM & Fleet Mgt System - Software	2020	2020	Added additional funding
GG5015	Treasury System	On-going	On-going	Added additional funding
GG5080	Video Services On-going Replacement/Upgrade	On-going	On-going	No Change

PARKS AND RECREATION				
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes
PR0001	Acquisition	On-going	On-going	No Change
PR1023	*Orthello RP Phase 2		Design 2024	New Project
PR1026	Old National Pike DP - Ph 2	2023	2023	No Change
PR1028	Middletown CP Development & Rehab	2021	2021	No Change
PR1032	Utica DP - Phase 2	Prior	Prior	Residual Funding
PR1033	Rose Hill Exhibit and Storage Barn	2023	2022	Moved forward 1 year as requested
PR1035	*Point of Rocks Pedestrian Bridge		2021	Funded project as requested
PR2000	Parks Systemic	On-going	On-going	No Change
PR2009	Ballenger Creek Park Maintenance Area & Widrick House Rehabilitation	Study 2022	Study 2022	No Change
PR2010	*Playground Replacement and Reconstruction		Various	Funding starts in FY2025
PR3001	Bikeways/Trails Program	Various	Various	No Change
PR3007	River Access Master Plan	Master Plan 2021	Master Plan 2021	No Change
PR3501	Park Schools	Various	Various	**Added Rock Creek; Pulled out of East County (per Division)
PR8002	South County YMCA, Indoor Pool Partnership	2019-2024	2019-2024	No Change

WATERSHED RESTORATION				
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes
WR1026	County-Owned Stormwater Facility Retrofits	On-going	On-going	Re-aligned funding between projects in the Watershed Restoration category based on timing, value, etc.
WR1039	Reforestation Program	On-going	On-going	
WR1042	Stream Restorations	On-going	On-going	
WR1043	Regenerative Stormwater Conveyance Retrofits	Various	Various	
WR1044	Non-County Owned Stormwater Facility Retrofits	On-going	On-going	
WR1045	Watershed Assessments	On-going	On-going	
WR1051	*Cloverhill Stormwater Retrofits		2020/21	New Project; In conjunction with Highway project
WR1099	Watershed Systemics	On-going	On-going	Moved some funding out to designated projects

ROADS					
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes	
RD1052	Boyers Mill Road	Prior	Prior	Residual Funding	
RD1061	Reichs Ford Road - Ph 2	Planning 2023/24	Planning 2023/24	No Change	
RD1064	Yeagerstown Road	Planning 2024	Planning 2024	No Change	
RD1066	White Rock Subdivision Improvements	2021	2021	No Change	
RD1067	Gas House Pike (from the City Limits to Boyers Mill Road)	2020	2020	No Change	
RD1068	Christopher's Crossing Widening	2023	2023	No Change	

BRIDGES					
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes	
BR1029	Gas House Pike Bridge	Prior	Prior	Additional funds based on recent estimates	
BR1032	Brethren Church Rd Br	2022	2022	No Change	
BR1033	Hessong Bridge Road Bridge (F15-01)	2021	2021	No Change	
BR1036	Hoovers Mill Road Bridge over Owens Creek	2020	2020	No Change	
BR1037	Hornets Nest Road Bridge	2021	2021	No Change	
BR1038	Biggs Ford Road Bridge F26-04	Design 2023	Design 2023	No Change	
BR1039	*Stevens Road Bridge		2020	New Project	
BR1049	Stottlemeyer Road Bridge Deck Replacement	2024	2024	No Change	
BR1051	Replacement of Old Mill Road Bridge over Maryland Midland Railroad	2024	2024	No Change	

HIGHWAYS					
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes	
HW1001	Pavement Management Program	On-Going	On-Going	No Change	
HW1050	Highway Network Systemic - General	On-Going	On-Going	No Change	
HW1090	Sidewalk Retrofit Program	Various	Various	No Change	
HW1095	*Sidewalk Missing Links		Various	New Project	
HW1100	Road Signalization FY09 ongoing	On-Going	On-Going	No Change	
HW1201	*Cloverhill Stormdrain Improvements		2020/21	New Project; In conjunction with Watershed project	
HW3002	*Thurmont & Johnsville Satellite Facility Improvements		2022	New Project	
HW3004	Roads Satellite Facilities #3	Prior	Prior	Additional funding as requested	
HW3005	Urbana Satellite Yard	Prior	Prior	Expanded scope helps with Park & Rec parking	
HW3050	*Highway Operations Satellite Facility Acquisition		Various	New Project	

Project #	WATER/SEWER Project Name	Current Construction Year	CE Proposed Construction Year	Notes
WS1001	Ballenger-McKinney WWTP Sludge Management	2024	2025	Delayed 1 year as requested by the division based on anticipated need
WS1002	Sewerage Problem Area Remediation	Out Years	Out Years	No Change, placeholder
WS1009	Inflow & Infiltration 1 201A-S	Various	Various	Additional Funding as new areas are identified
WS1012	Linganore Interceptor 1 - Lower Reach	Out Years	Out Years	No Change, placeholder
WS1013	Linganore Interceptor 2 - Upper Reach	Out Years	Out Years	No Change, placeholder
WS1023	Water Storage Tank 2	2020	2020	No Change, placeholder
WS1028	Developer-Funded Infrastructure	On-Going	On-Going	No Change
WS1032	Lewistown Wastewater Treatment Plant Improvements	Prior	Prior	Additional Funding
WS1033	Lewistown Wastewater Collection System	Prior	Prior	Additional Funding
WS1055	*Adamstown Gravity Sewer Lines, Ph 1	2020	2020	New Project
WS1019	White Rock WWTP Replacement	Prior	Prior	Additional Funding
WS1035	Truck Scale at New Design Water Treatment Plant	2022	2021	Moved Forward 1 year as requested
WS1037	Raw Water Intake and Pump Station Improvments	Prior	2020	Additional Funding based on engineer's estimate
WS1040	SHA Utility Relocations	Various	Various	No Change
WS1045	Holly Hills SPS Replacement	2020	2020	No Change
WS1046	Clay Street Waterline Replacement	Prior	2020	Additional Funding based on engineer's estimate
WS1047	Maintenance Building Expansion/Relocation	2021	2021	No Change
WS1049	Facility Residuals Disposal	2022	2022	No Change
WS1050	Concrete Water Tank Recoating	Various	Various	No Change
WS1051	White Rock Wtr Line Rep	Prior	2020	Additional Funding; In conjunction with RD1066
WS1052	Cambridge Farms WTP UV	Prior	Prior	Additional Funding
WS1053	Inflow/Infiltr Study Ph3 201C-S	Various	Various	Additional Funding as new areas are identified
WS1054	*New Market West WTP Bypass		2020	New Project
WS1101	DUSWM Maintenance Systemics - Ballenger Wastewater	On-Going	On-Going	No Change
WS1102	DUSWM Maintenance Systemics - Small Systems Wastewater	On-Going	On-Going	No Change
WS1108	DUSWM Maintenance Systemics - Water	On-Going	On-Going	No Change

Project #	SOLID WASTE Project Name	Current Construction Year	CE Proposed Construction Year	Notes
SW1004	DUSWM Maintenance Systemics - Solid Waste	On-Going	On-Going	No Change
SW1005	Yard Waste Pad Resurfacing	Prior	Prior	Residual Funding in FY2020
SW1006	*Rehabilitation of Reichs Ford Road Landfill Roller-Compacted Concrete Dam		2020	New Project

COMMUNITY COLLEGE				
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes
FC1023	*Athletic Center Addition/Renovation (Bldg D)		2025 Design	New Project
FC2006	Linganore Hall (Bldg L) Renovation/Addition	2021	2021	Moved County Funded Equipment Forward
FC2007	Building E - Renovation/Addition	Prior	Prior	State Funding Allocated in FY2020
FC2008	*Annapolis Hall - Renovation		2020/21	New Project
FC5007	Technology Upgrade	On-Going	On-Going	No Change
FC5008	Classroom Technology Upgrades	On-Going	On-Going	No Change
FC5012	FCC Systemics	On-Going	On-Going	Added Additional Funding

BOARD OF EDUCATION				
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes
ED1009	Waverley ES: Replacement/Addition	2022	2022	No Change
ED1017	Urbana ES: Replacement	2020	2020	No Change
ED1022	North Frederick City Area ES: New	Design 2023	Design 2023	Move Site Work & Construction Forward
ED1023	Butterfly Ridge ES: New	Prior	Prior	Receiving State Funding
ED1025	Liberty ES: Modernization	Design 2024	Design 2024	No Change
ED1030	East County area ES: New	2021	2021	Move Some Funding Forward to FY2020
ED1031	*New Elementary School (placeholder)		2024	New Project
ED1040	Rock Creek School: Replacement	2021	2021	Move Some Funding Forward to FY2020
ED1041	Brunswick HS Modernization/Addition	2025	2025	No Change
ED1042	Middletown HS: Renovation	Study 2024	Study 2021	Moved Study Forward
ED1043	Oakdale MS: Addition	2020	2020	No Change
ED1044	MS: Addition/Renovation (placeholder)		Study 2022	New Project
ED5001	Systemics - Generic	On-Going	On-Going	Added Additional Funding
ED5801	IT Equipment Replacement	Various	Various	Added Additional Funding
ED7011	Portable Classrooms FY2020	On-Going	On-Going	Added Additional Funding

MUNICIPALITIES				
Project #	Project Name	Current Construction Year	CE Proposed Construction Year	Notes
MP1001	Frederick Municipal Airport	Various	Various	Added Additional Funding
MP1012	Yellow Springs Rd Bridge	MOU	MOU	No Change

GENERAL GOVERNMENT

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
GENERAL GOVERNMENT**

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Public Safety										
PSTF Parking	446,900	506,900	60,000	446,900	0	0	0	0	0	0
Northgate Fire Station	29,328	9,839,916	9,810,588	29,328	0	0	0	0	0	0
Green Valley Fire Station	6,186,232	6,813,602	627,370	0	6,186,232	0	0	0	0	0
Carroll Manor Fire Station	877,650	9,023,012	0	0	0	0	0	877,650	0	8,145,362
SCBA Replacement	4,880,148	4,880,148	0	0	0	0	0	2,440,074	2,440,074	0
Fire Rescue portable radio replacement and enhancement	(700,000)	4,440,000	5,140,000	(700,000)	0	0	0	0	0	0
Advanced Life Support Cardiac Monitors	683,221	683,221	0	0	0	0	0	390,412	292,809	0
DFRS Mobile Data Terminal Replacement	763,000	1,113,000	350,000	381,500	381,500	0	0	0	0	0
Fire Apparatus and Vehicle Replacement	5,624,073	5,624,073	0	654,654	654,654	654,654	1,220,037	1,220,037	1,220,037	0
Adult Detention Center Storage Building	0	293,281	0	0	0	0	0	0	0	293,281
ADC Medical Unit	13,144,848	13,144,848	0	2,233,613	123,883	10,787,352	0	0	0	0
ADC Infrastructure Rehabilitation	6,137,612	6,137,612	0	0	0	0	480,691	5,656,921	0	0
ADC Control Center Modernization	205,500	205,500	0	205,500	0	0	0	0	0	0
Courthouse Security Equipment Replacement	180,000	180,000	0	0	180,000	0	0	0	0	0
Sheriff Office Mobile Data Terminal Replacements	874,340	1,292,340	213,000	232,170	0	0	0	205,000	205,000	205,000
Sheriff's Office Dell EMC Isilon Storage	330,574	330,574	0	330,574	0	0	0	0	0	0
Communications Support Vehicle	772,538	772,538	0	772,538	0	0	0	0	0	0
Radio system capacity enhancement	0	3,500,000	0	0	0	0	0	0	0	3,500,000
Portable Radio Replacement	3,980,000	3,980,000	0	700,000	0	1,640,000	1,640,000	0	0	0
Total: Public Safety	44,415,964	72,760,565	16,200,958	5,286,777	7,578,439	13,262,006	3,340,728	10,790,094	4,157,920	12,143,643
Other										
Courthouse Capacity Improvements Project	19,129,882	19,257,264	57,622	0	0	1,547,800	192,930	16,595,632	793,520	69,760
Public Safety Training Facility Maintenance Shop and Garages	4,343,565	4,343,565	0	0	0	0	341,611	4,001,954	0	0
Montevue Campus Refueling Station	3,580,236	3,580,236	0	0	0	363,929	3,216,307	0	0	0
Pine Avenue Maintenance Complex Renovations	3,781,841	3,781,841	0	642,752	3,139,089	0	0	0	0	0
Treasury Redesign	135,400	135,400	0	135,400	0	0	0	0	0	0
Montevue Campus Renovation and Reconfiguration	690,331	4,886,218	0	0	0	0	0	690,331	0	4,195,887
Total: Other	31,661,255	35,984,524	57,622	778,152	3,139,089	1,911,729	3,750,848	21,287,917	793,520	4,265,647

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
GENERAL GOVERNMENT**

	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Library										
Walkersville Library	(387,000)	6,567,633	6,954,633	(387,000)	0	0	0	0	0	0
Middletown Library	8,589,521	8,589,521	0	0	772,492	0	7,563,558	253,471	0	0
Linganore Town Center Library	0	13,440,305	0	0	0	0	0	0	0	13,440,305
Integrated Library System Migration	415,000	415,000	0	0	0	415,000	0	0	0	0
Point of Rocks Library Rehab	387,000	387,000	0	387,000	0	0	0	0	0	0
Total: Library	9,004,521	29,399,459	6,954,633	0	772,492	415,000	7,563,558	253,471	0	13,440,305
Maintenance/Systemic										
Maintenance Systemics - General	27,982,935	40,793,319	0	5,347,935	4,527,000	4,527,000	4,527,000	4,527,000	4,527,000	12,810,384
Total: Maintenance/Systemic	27,982,935	40,793,319	0	5,347,935	4,527,000	4,527,000	4,527,000	4,527,000	4,527,000	12,810,384
Technology										
IIT Systemics- General	14,957,929	16,955,606	1,997,677	1,925,000	2,620,000	2,645,000	3,030,000	2,410,000	2,327,929	0
LEAPS	12,875,000	12,875,000	0	425,000	5,825,000	5,825,000	500,000	200,000	100,000	0
Enterprise GIS	1,732,500	1,732,500	0	131,250	0	1,443,750	52,500	52,500	52,500	0
Financial System	1,630,000	1,630,000	0	1,105,000	105,000	105,000	105,000	105,000	105,000	0
Land Management	1,367,500	1,367,500	0	1,000,000	105,000	52,500	52,500	52,500	105,000	0
EAM & Fleet Mgt System - Software	2,155,000	2,183,377	28,377	155,000	2,000,000	0	0	0	0	0
Treasury System	285,000	285,000	0	75,000	105,000	0	0	105,000	0	0
Video Services On-going Replacement/Upgrade	1,038,588	1,115,788	77,200	146,662	46,305	531,405	110,250	67,804	136,162	0
Total: Technology	36,041,517	38,144,771	2,103,254	4,962,912	10,806,305	10,602,655	3,850,250	2,992,804	2,826,591	0
Total Expense	149,106,192	217,082,638	25,316,467	16,375,776	26,823,325	30,718,390	23,032,384	39,851,286	12,305,031	42,659,979
FUNDING										
General Fund	35,156,531	53,225,385	2,316,781	4,918,056	4,370,066	5,819,580	4,704,355	7,943,701	7,400,773	15,752,073
General Fund Bonds & Capital Lease	100,864,046	140,681,457	17,861,394	9,486,520	20,545,782	19,510,043	14,774,354	31,650,439	4,896,908	21,956,017
Impact Fee & Bonds	3,200,963	10,792,495	4,083,282	0	472,492	0	2,550,000	178,471	0	3,508,250
Enterprise Fee & Bonds	1,224,425	1,238,802	14,377	118,700	1,087,350	3,675	3,675	3,675	7,350	0
Grants	8,660,227	11,144,499	1,040,633	1,852,500	347,635	5,385,092	1,000,000	75,000	0	1,443,639
Total Funding Source	149,106,192	217,082,638	25,316,467	16,375,776	26,823,325	30,718,390	23,032,384	39,851,286	12,305,031	42,659,979



Capital Project Summary

Capital Project Number: GG1002

Activity #: C1027.1027.01

Capital Project Title: PSTF Parking

Region: Frederick

Asset Category: General Government

Est Completion Date: 12/2/2019

Asset Type: Public Safety

Year Identified: 2019

Capital Project Status: In Progress

Capital Project Description:

This project adds a 75-space parking lot with drive aisle to the PSTF Complex to address capacity issues experienced as a result of increased main building occupancy and visitor and trainee needs.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	50,000	50,000							
Construction	376,050		376,050						
Inspectors - County	65,400		65,400						
Project Management	15,450	10,000	5,450						
Total Cost:	506,900	60,000	446,900						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	60,000	60,000							
General Obligation Bonds	446,900		446,900						
Total Cost:	506,900	60,000	446,900						



Capital Project Summary

Capital Project Number: GG1027

Activity #: C1021.1021.01

Capital Project Title: Northgate Fire Station

Region: Frederick

Asset Category: General Government

Est Completion Date: 6/30/2021

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Active

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 full station program (five-engine-bay station and operational facilities) and as required per the site constraints. Previously named: Hayward Rd Fire Station

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	163,800	163,800							
Land	800,000	800,000							
Site Improvement - NonBldg	80,000	80,000							
Architect/Engineering	775,810	775,810							
Construction	7,758,097	7,758,097							
Construction - IIT Infrastruct	47,549	45,866	1,683						
Inspectors - County	131,040	131,040							
Project Management	31,720	31,720							
Capital - Furniture / Equipmen	0								
Capital - IIT Hardware	51,900	24,255	27,645						
Total Cost:	9,839,916	9,810,588	29,328						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	218,800	218,800							
General Obligation Bonds	9,621,116	9,591,788	29,328						
Total Cost:	9,839,916	9,810,588	29,328						



Capital Project Summary

Capital Project Number: GG1028

Activity #: C1028.1028.01

Capital Project Title: Green Valley Fire Station

Region:

Asset Category: General Government

Est Completion Date: 12/31/2021

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Active

Capital Project Description:

A proposed expansion of the existing fire station has been shown to be not feasible. The feasibility study determined that the expansion will not meet the program needs of DFRS. This request is to provide a new facility designed per the substation program (four-engine-bay station and operational facilities).

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	178,542			178,542					
Site Improvement - NonBldg	80,000	80,000							
Architect/Engineering	525,530	525,530							
Construction	5,728,284			5,728,284					
Construction - IIT Infrastruct	68,098			68,098					
Inspectors - County	142,834			142,834					
Project Management	33,743	21,840		11,903					
Capital - Furniture / Equipmen	0								
Capital - IIT Hardware	56,571			56,571					
Total Cost:	6,813,602	627,370		6,186,232					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	200,050	25,050		175,000					
General Obligation Bonds	6,613,552	602,320		6,011,232					
Total Cost:	6,813,602	627,370		6,186,232					



Capital Project Summary

Capital Project Number: GG1031

Activity #:

Capital Project Title: Carroll Manor Fire Station

Region: Adamstown

Asset Category: General Government

Est Completion Date: 6/30/2027

Asset Type: Public Safety

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

The new fire/rescue station will be located at Route 85 and Adamstown Road. This is a replacement fire station for the Carroll Manor Fire Company, which has outgrown their current location in Adamstown. A recent evaluation was conducted of this fire station through Tri-data, which evaluated their current fire station as "poor" in condition. Five acres of land for this fire station is being donated by the Butz family and will be deeded to the County. This facility will be designed per the full fire station program developed by the Division of Fire and Rescue Services (Middletown Fire Station prototype, with modifications as required by site conditions). This will be a five-bay fire station with an administrative area.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	163,800								163,800
Site Improvement - NonBldg	80,000						80,000		
Architect/Engineering	775,810						775,810		
Construction	7,758,097								7,758,097
Construction - IIT Infrastruct	57,250								57,250
Inspectors - County	131,040								131,040
Project Management	32,760						21,840		10,920
Capital - IIT Hardware	24,255								24,255
Total Cost:	9,023,012						877,650		8,145,362

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	53,012						27,650		25,362
General Obligation Bonds	8,970,000						850,000		8,120,000
Total Cost:	9,023,012						877,650		8,145,362



Capital Project Summary

Capital Project Number: GG1080

Activity #:

Capital Project Title: SCBA Replacement

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2015

Capital Project Status: Active

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, as 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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital - Furniture / Equipmen	4,880,148						2,440,074	2,440,074	
Total Cost:	4,880,148						2,440,074	2,440,074	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	4,477,200						2,238,600	2,238,600	
General Obligation Bonds	402,948						201,474	201,474	
Total Cost:	4,880,148						2,440,074	2,440,074	



Capital Project Summary

Capital Project Number: GG1082

Activity #: C1022.1022.01

Capital Project Title: Fire Rescue portable radio replacement and enhancement

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

Asset Category: General Government

Est Completion Date: 3/31/2019

Asset Type: Public Safety

Year Identified: 2016

Capital Project Status: In Progress

Capital Project Description:

PROJECT IS COMPLETE - Residual Funding is being moved.

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	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	3,500,000	3,500,000							
Capital - Furniture / Equipmen	940,000	1,640,000	-700,000						
Total Cost:	4,440,000	5,140,000	-700,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	0								
General Obligation Bonds	1,640,000	1,640,000							
Proceeds - Capital Leases	2,800,000	3,500,000	-700,000						
Total Cost:	4,440,000	5,140,000	-700,000						



Capital Project Summary

Capital Project Number: GG1083

Activity #: C1018.1018.01

Capital Project Title: Advanced Life Support Cardiac Monitors

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2016

Capital Project Status: Active

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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital - Furniture / Equipmen	683,221						390,412	292,809	
Total Cost:	683,221						390,412	292,809	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	626,808						358,176	268,632	
General Obligation Bonds	56,413						32,236	24,177	
Total Cost:	683,221						390,412	292,809	



Capital Project Summary

Capital Project Number: GG1085

Activity #: C1029.1029.01

Capital Project Title: DFRS Mobile Data Terminal Replacement

Region: Countywide

Asset Category: General Government

Est Completion Date: 12/31/2020

Asset Type: Public Safety

Year Identified: 2019

Capital Project Status: In Progress

Capital Project Description:

This project replaces the Mobile Data Terminals (MDTs) used in the fire apparatus, ambulances, and command vehicles. These MDTs are used on a daily basis. The operating systems that current MDTs use will not work with the next CAD upgrade scheduled in FY19. Included in the cost of the computers for this project is computer hardware, software, maintenance plan, computer dock/mounts/installation. DFRS currently has approximately 172 computers in use, and additional MDTs are planned for additional vehicles, for a total of 200.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	1,113,000	350,000	381,500	381,500					
Total Cost:	1,113,000	350,000	381,500	381,500					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	1,113,000	350,000	381,500	381,500					
Total Cost:	1,113,000	350,000	381,500	381,500					



Capital Project Summary

Capital Project Number: GG1098

Activity #:

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: Active

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.

****Prior budget is recorded in sub-projects****

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Fire/Rescue Apparatus	5,624,073		654,654	654,654	654,654	1,220,037	1,220,037	1,220,037	
Total Cost:	5,624,073		654,654	654,654	654,654	1,220,037	1,220,037	1,220,037	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	2,509,700		50,600	50,600	50,600	119,300	1,119,300	1,119,300	
General Obligation Bonds	604,054		604,054						
Proceeds - Capital Leases	2,510,319			604,054	604,054	1,100,737	100,737	100,737	
Total Cost:	5,624,073		654,654	654,654	654,654	1,220,037	1,220,037	1,220,037	



Capital Project Summary

Capital Project Number: GG1105

Activity #:

Capital Project Title: Adult Detention Center Storage Building

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2016

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	11,732								11,732
Architect/Engineering	35,194								35,194
Construction	199,430								199,430
Inspectors - County	34,335								34,335
Project Management	12,590								12,590
Total Cost:	293,281								293,281

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	269,064								269,064
General Obligation Bonds	24,217								24,217
Total Cost:	293,281								293,281



Capital Project Summary

Capital Project Number: GG1106

Activity #:

Capital Project Title: ADC Medical Unit

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2018

Capital Project Status: Active

Capital Project Description:

This project constructs an approximately 15,000 s.f. Medical Unit addition to the Frederick County Adult Detention Center. 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. Construction will also include structural capabilities to compensate for a future, second floor, Inmate Housing Unit.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	0								
Site Improvement - NonBldg	95,270			95,270					
Architect/Engineering	2,205,000		2,205,000						
Construction	10,412,445				10,412,445				
Construction - IIT Infrastruct	0								
Inspectors - County	189,000				189,000				
Project Management	74,394		28,613	28,613	17,168				
Capital - Furniture / Equipmen	0								
Capital - IIT Hardware	168,739				168,739				
Total Cost:	13,144,848		2,233,613	123,883	10,787,352				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	6,535,227		1,102,500	47,635	5,385,092				
Trans from General Fund	110,000				110,000				
General Obligation Bonds	6,499,621		1,131,113	76,248	5,292,260				
Total Cost:	13,144,848		2,233,613	123,883	10,787,352				



Capital Project Summary

Capital Project Number: GG1107

Activity #:

Capital Project Title: ADC Infrastructure Rehabilitation

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2018

Capital Project Status: Active

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. 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	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	440,633					440,633			
Construction	5,493,600						5,493,600		
Construction - IIT Infrastruct	8,813						8,813		
Inspectors - County	148,785					11,445	137,340		
Project Management	45,781					28,613	17,168		
Total Cost:	6,137,612					480,691	5,656,921		

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	20,000					20,000			
General Obligation Bonds	6,117,612					460,691	5,656,921		
Total Cost:	6,137,612					480,691	5,656,921		



Capital Project Summary

Capital Project Number: GG1108

Activity #:

Capital Project Title: ADC Control Center Modernization

Region: Frederick

Asset Category: General Government

Est Completion Date: 11/30/2019

Asset Type: Public Safety

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

This project modernizes the existing control center cabinet at the Adult Detention Center which was installed in 1984. The new control center cabinet would provide a more ergonomic work environment for officers that monitor the control center on 12 hour shifts. The modernization includes but is not limited to removal of existing wiring below the floor, and relocation of the door control computers.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	3,000		3,000						
Architect/Engineering	35,000		35,000						
Construction	126,500		126,500						
Construction - IIT Infrastruct	7,000		7,000						
Inspectors - County	20,000		20,000						
Project Management	14,000		14,000						
Total Cost:	205,500		205,500						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	42,000		42,000						
General Obligation Bonds	163,500		163,500						
Total Cost:	205,500		205,500						



Capital Project Summary

Capital Project Number: GG1153

Activity #:

Capital Project Title: Courthouse Security Equipment Replacement

Region: Frederick

Asset Category: General Government

Est Completion Date: 12/1/2021

Asset Type: Public Safety

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

This project replaces aged Frederick County Courthouse equipment required to screen people and parcels for weapons and contraband: two x-ray machines at the facility's entrances; one x-ray machine in the B-wing corridor; three walk-through metal detectors. The cost includes removal and disposal of the existing x-ray machines, the disposal of which is regulated through the Maryland Department of the Environment.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	180,000				180,000				
Total Cost:	180,000				180,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	180,000				180,000				
Total Cost:	180,000				180,000				



Capital Project Summary

Capital Project Number: GG1156

Activity #: C1031.1031.01

Capital Project Title: Sheriff Office Mobile Data Terminal Replacements

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

The Sheriff's Office Law Enforcement Bureau requires periodic replacement of its Mobile Data Terminals (MDTs), which are used daily by patrol personnel, to ensure secure and efficient operations. This project replaces 180 MDTs over a three-year period.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	1,292,340	213,000	232,170	232,170			205,000	205,000	205,000
Total Cost:	1,292,340	213,000	232,170	232,170			205,000	205,000	205,000

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	1,292,340	213,000	232,170	232,170			205,000	205,000	205,000
Total Cost:	1,292,340	213,000	232,170	232,170			205,000	205,000	205,000



Capital Project Summary

Capital Project Number: GG1157

Activity #:

Capital Project Title: Sheriff's Office Dell EMC Isilon Storage

Region: Frederick

Asset Category: General Government

Est Completion Date: 6/30/2020

Asset Type: Public Safety

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

The Criminal Investigation Division needs to process forensic evidence for computer and Internet crime cases. This electronic data which consists of multi-gigabyte computer and smart phone forensic images is currently maintained using a collection of loose hard drives and consumer level network attached storage devices. The proposed Dell EMC Isilon solution provides 178TB of primary storage with an offsite replica. This storage capacity will allow the Sheriff's Office to consolidate forensic data in a solution that is more easily manageable.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	330,574		330,574						
Total Cost:	330,574		330,574						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	330,574		330,574						
Total Cost:	330,574		330,574						



Capital Project Summary

Capital Project Number: GG1194

Activity #:

Capital Project Title: Urbana tower site

Region: Urbana

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2016

Capital Project Status: Active

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 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	2020	2021	2022	2023	2024	2025	Costs After
Construction	0								
Total Cost:	0								

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	0								
General Obligation Bonds	0								
Total Cost:	0								



Capital Project Summary

Capital Project Number: GG1195

Activity #:

Capital Project Title: Communications Support Vehicle

Region: Countywide

Asset Category: General Government

Est Completion Date: 6/30/2020

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Active

Capital Project Description:

A communications support vehicle will serve the communications and incident or event management needs of multiple county agencies when responding to planned events or emergency incidents in the county. Every year major planned events or incidents occur in the county that require a variety of support in areas that lack adequate communications and incident/event management support. Replacing the existing FCSO command bus with a purpose built, multiagency vehicle would be the most efficient way to provide service to all agencies at a minimum expense.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital Vehicles Replacement	772,538		772,538						
Total Cost:	772,538		772,538						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	0								
General Obligation Bonds	772,538		772,538						
Proceeds - Capital Leases	0								
Total Cost:	772,538		772,538						



Capital Project Summary

Capital Project Number: GG1197

Activity #:

Capital Project Title: Radio system capacity enhancement

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2017

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Capital - Furniture / Equipmen	3,500,000								3,500,000
Total Cost:	3,500,000								3,500,000

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	3,500,000								3,500,000
Total Cost:	3,500,000								3,500,000



Capital Project Summary

Capital Project Number: GG1198

Activity #:

Capital Project Title: Portable Radio Replacement

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Public Safety

Year Identified: 2018

Capital Project Status: Active

Capital Project Description:

The project is intended to modernize the County's portable and mobile subscriber radio fleet with new radios to ensure reliable performance and provide enhanced capabilities. The current subscriber fleet of radios has served the County reliably since 2005. The typical lifespan of mobile and portable radio equipment is typically ten to fifteen years. Funding left from the replacement of the DFRS radio replacement will be used to replace DPW radios in FY20 with the remaining County radios to be replaced in FY22/23.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	3,980,000		700,000		1,640,000	1,640,000			
Total Cost:	3,980,000		700,000		1,640,000	1,640,000			

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	700,000		700,000						
Proceeds - Capital Leases	3,280,000				1,640,000	1,640,000			
Total Cost:	3,980,000		700,000		1,640,000	1,640,000			



Capital Project Summary

Capital Project Number: GG2019

Activity #: C5001.5001.01

Capital Project Title: Courthouse Capacity Improvements Project

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Other

Year Identified: 2016

Capital Project Status: Active

Capital Project Description:

Addressing space limitations at the Frederick County Courthouse was a priority identified in the 2013 Countywide Synergy and Efficiency Concept Plan, and the Administrative Office of the Court's Workload Analysis for FY2015 confirmed the need for additional Circuit Court space. This project builds a 45,500 sq.ft. addition to the Courthouse atop the landscaped entrance plaza to address the space needs of the Circuit Court and County agencies currently occupying the building.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	52,592	52,592							
NonCapital Furniture/Equipment	381,500							381,500	
Site Improvement - NonBldg	179,850					179,850			
Architect/Engineering	1,526,000				1,526,000				
Construction	16,023,000						16,023,000		
Construction - IIT Infrastruct	261,491						261,491		
Inspectors - County	327,000						130,800	130,800	65,400
Project Management	66,070	5,030			21,800	13,080	13,080	8,720	4,360
Capital - Furniture / Equipmen	272,500							272,500	
Capital - IIT Hardware	167,261						167,261		
Total Cost:	19,257,264	57,622			1,547,800	192,930	16,595,632	793,520	69,760

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	480,785	57,622			20,000		53,163	350,000	
General Obligation Bonds	18,776,479				1,527,800	192,930	16,542,469	443,520	69,760
Total Cost:	19,257,264	57,622			1,547,800	192,930	16,595,632	793,520	69,760



Capital Project Summary

Capital Project Number: GG2030

Activity #:

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

Region: Frederick

Asset Category: General Government

Est Completion Date: 6/30/2025

Asset Type: Other

Year Identified: 2016

Capital Project Status: Active

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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	198,113						198,113		
Site Improvement - NonBldg	18,301						18,301		
Architect/Engineering	305,009					305,009			
Construction	3,416,104						3,416,104		
Construction - IIT Infrastruct	20,315						20,315		
Inspectors - County	102,156					12,796	89,360		
Project Management	35,709					23,806	11,903		
Capital - Furniture / Equipmen	228,900						228,900		
Capital - IIT Hardware	18,958						18,958		
Total Cost:	4,343,565					341,611	4,001,954		

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	671,163					118,480	552,683		
General Obligation Bonds	3,672,402					223,131	3,449,271		
Total Cost:	4,343,565					341,611	4,001,954		



Capital Project Summary

Capital Project Number: GG2031

Activity #:

Capital Project Title: Montevue Campus Refueling Station

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Other

Year Identified: 2016

Capital Project Status: Active

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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	139,400					139,400			
Site Improvement - NonBldg	65,465				65,465				
Architect/Engineering	261,862				261,862				
Construction	2,642,422					2,642,422			
Construction - IIT Infrastruct	20,487					20,487			
Inspectors - County	110,697				12,796	97,901			
Project Management	35,709				23,806	11,903			
Capital - Furniture / Equipmen	286,125					286,125			
Capital - IIT Hardware	18,069					18,069			
Total Cost:	3,580,236				363,929	3,216,307			

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	225,000				25,000	200,000			
General Obligation Bonds	3,355,236				338,929	3,016,307			
Total Cost:	3,580,236				363,929	3,216,307			



Capital Project Summary

Capital Project Number: GG2034

Activity #:

Capital Project Title: Pine Avenue Maintenance Complex Renovations

Region: Frederick

Asset Category: General Government

Est Completion Date: 6/30/2022

Asset Type: Other

Year Identified: 2016

Capital Project Status: Active

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, rehabilitation of the sewer system, electrical service and life/safety upgrades, 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, brine system, 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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	128,184			128,184					
Land	357,084		357,084						
Architect/Engineering	261,862		261,862						
Construction	2,618,616			2,618,616					
Construction - IIT Infrastruct	16,252			16,252					
Inspectors - County	133,907		23,806	110,101					
Capital - Furniture / Equipmen	228,900			228,900					
Capital - IIT Hardware	37,036			37,036					
Total Cost:	3,781,841		642,752	3,139,089					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	131,841			131,841					
General Obligation Bonds	3,650,000		642,752	3,007,248					
Total Cost:	3,781,841		642,752	3,139,089					



Capital Project Summary

Capital Project Number: GG2037

Activity #:

Capital Project Title: Treasury Redesign

Region: Frederick

Asset Category: General Government

Est Completion Date: 7/31/2020

Asset Type: Other

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

During 2018, an assessment of Treasury's space located on the 1st floor of 30 N. Market Street indicated that ballistic glass and more secure doors should be a top priority for the Treasury area due to the cash handling function performed on a daily basis. Installation of ballistic glass will address the security concern, while also maintaining positive aesthetics.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	20,000		20,000						
Construction	85,400		85,400						
Construction - IIT Infrastruct	5,000		5,000						
Inspectors - County	15,000		15,000						
Project Management	10,000		10,000						
Total Cost:	135,400		135,400						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	135,400		135,400						
Total Cost:	135,400		135,400						



Capital Project Summary

Capital Project Number: GG2038

Activity #:

Capital Project Title: Montevue Campus Renovation and Reconfiguration

Region: Frederick

Asset Category: General Government

Est Completion Date:

Asset Type: Other

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

A feasibility study of the 331 Montevue campus site was completed in June, 2018. The study included analysis of the existing site and buildings with a primary focus on the Administration and District Crew Buildings. An analysis of overall traffic flow was also included in the study. The study concluded that a modification to 331 Montevue Lane would be warranted to better serve the current and future staffing requirements of the Division of Public Works. It was also concluded that a reconfiguration of the existing traffic pattern would be warranted due to the relocation of the refueling station, which has been previously approved under a separate project. The study included construction cost estimates, which have been incorporated.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	205,560								205,560
Site Improvement - NonBldg	100,000						100,000		
Architect/Engineering	550,331						550,331		
Construction	3,645,202								3,645,202
Construction - IIT Infrastruct	120,665								120,665
Inspectors - County	120,000								120,000
Project Management	80,000						40,000		40,000
Capital - IIT Hardware	64,460								64,460
Total Cost:	4,886,218						690,331		4,195,887

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	4,886,218						690,331		4,195,887
Total Cost:	4,886,218						690,331		4,195,887



Capital Project Summary

Capital Project Number: GG3003

Activity #: C4000.4000.01

Capital Project Title: Walkersville Library

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Library

Year Identified: 2010

Capital Project Status: In Progress

Capital Project Description:

PROJECT IS COMPLETE - Residual Funding is being moved.

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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	665,447	665,447							
Site Improvement - NonBldg	101,616	101,616							
Architect/Engineering	513,818	513,818							
Construction	4,615,000	5,002,000	-387,000						
Construction - IIT Infrastruct	58,838	58,838							
Inspectors - County	166,214	166,214							
Project Management	75,000	75,000							
Capital - Furniture / Equipmen	333,840	333,840							
Capital - IIT Hardware	37,860	37,860							
Total Cost:	6,567,633	6,954,633	-387,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	1,040,633	1,040,633							
Trans from General Fund	3,432	3,432							
Trans from Impact Fee	4,083,282	4,083,282							
General Obligation Bonds	1,440,286	1,827,286	-387,000						
Total Cost:	6,567,633	6,954,633	-387,000						



Capital Project Summary

Capital Project Number: GG3005

Activity #:

Capital Project Title: Middletown Library

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Library

Year Identified: 2017

Capital Project Status: Active

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 Town will transfer the property to the County upon the County's request. The library design will be based upon the Brunswick/Walkersville prototype, with exterior and interior finishes unique to Middletown.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	468,479					373,693	94,786		
Site Improvement - NonBldg	119,028			119,028					
Architect/Engineering	623,707			623,707					
Construction	6,237,067					6,237,067			
Construction - IIT Infrastruct	67,340					67,340			
Inspectors - County	160,688					160,688			
Project Management	29,757			29,757					
Capital - Furniture / Equipmen	835,729					677,044	158,685		
Capital - IIT Hardware	47,726					47,726			
Total Cost:	8,589,521			772,492		7,563,558	253,471		

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	1,375,000			300,000		1,000,000	75,000		
Trans from General Fund	0								
Trans from Impact Fee	3,200,963			472,492		2,550,000	178,471		
General Obligation Bonds	4,013,558					4,013,558			
Total Cost:	8,589,521			772,492		7,563,558	253,471		



Capital Project Summary

Capital Project Number: GG3006

Activity #:

Capital Project Title: Linganore Town Center Library

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Library

Year Identified: 2017

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	22,890								22,890
Architect/Engineering	938,490								938,490
Construction	9,384,900								9,384,900
Construction - IIT Infrastruct	91,331								91,331
Inspectors - County	148,785								148,785
Project Management	55,863								55,863
Capital - Furniture / Equipmen	2,733,210								2,733,210
Capital - IIT Hardware	64,836								64,836
Total Cost:	13,440,305								13,440,305

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	1,443,639								1,443,639
Trans from Impact Fee	3,508,250								3,508,250
General Obligation Bonds	8,488,416								8,488,416
Total Cost:	13,440,305								13,440,305



Capital Project Summary

Capital Project Number: GG3090

Activity #:

Capital Project Title: Integrated Library System Migration

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Library

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

FCPL's contract for its Integrated Library System ends December 31, 2021. The Department is looking at a possible migration to a new vendor at that time. In addition to a software migration, the hardware associated will need to be replaced as it is nearing end of life, is not PCI compliant, and will not be compatible with an upgrade in software.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital - Software	155,000				155,000				
Capital - IIT Hardware	260,000				260,000				
Total Cost:	415,000				415,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	415,000				415,000				
Total Cost:	415,000				415,000				



Capital Project Summary

Capital Project Number: GG3101

Activity #:

Capital Project Title: Point of Rocks Library Rehab

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Library

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

The Point of Rocks Ruritan building which houses the library is to receive new floors, ceilings, and paint. Minor interior alterations including retrofitting two bathrooms and minor door and wall alterations will take place throughout the facility to meet code requirements.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction	377,000		377,000						
Project Management	10,000		10,000						
Total Cost:	387,000		387,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	37,000		37,000						
General Obligation Bonds	350,000		350,000						
Total Cost:	387,000		387,000						



Capital Project Summary

Capital Project Number: GG4199

Activity #: C3000.3000.01

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: Active

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 2020, priorities are the roof replacement at 118 North Market Street; Replacement of salt dome roofs at Thurmont and Johnsville Satellite Yards; building exteriors at the Emmitsburg Community Center and Winchester Hall; HVAC Building Automation Standardization; rehabilitation of the Montevue Cattle Barn.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	1,999,735		229,897	226,350	226,350	226,350	226,350	226,350	638,088
Architect/Engineering	4,799,365		551,752	543,240	543,240	543,240	543,240	543,240	1,531,413
Construction	30,065,912		3,448,451	3,395,250	3,395,250	3,395,250	3,395,250	3,395,250	9,641,211
Inspectors - County	2,241,103		260,243	256,228	256,228	256,228	256,228	256,228	699,720
Project Management	937,204		107,592	105,932	105,932	105,932	105,932	105,932	299,952
Capital Appropriations	0								
Construction - State's Share	750,000		750,000						
Total Cost:	40,793,319		5,347,935	4,527,000	4,527,000	4,527,000	4,527,000	4,527,000	12,810,384

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	750,000		750,000						
Trans from General Fund	14,152,647		400,000	400,000	400,000	400,000	400,000	400,000	11,752,647
General Obligation Bonds	25,890,672		4,197,935	4,127,000	4,127,000	4,127,000	4,127,000	4,127,000	1,057,737
Total Cost:	40,793,319		5,347,935	4,527,000	4,527,000	4,527,000	4,527,000	4,527,000	12,810,384



Capital Project Summary

Capital Project Number: GG5001

Activity #: C2000.2000.01

Capital Project Title: IIT Systemics- General

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Active

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, and enterprise hardware.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital - IIT Hardware	16,955,606	1,997,677	1,925,000	2,620,000	2,645,000	3,030,000	2,410,000	2,327,929	
Total Cost:	16,955,606	1,997,677	1,925,000	2,620,000	2,645,000	3,030,000	2,410,000	2,327,929	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	16,255,606	1,297,677	1,925,000	2,620,000	2,645,000	3,030,000	2,410,000	2,327,929	
General Obligation Bonds	700,000	700,000							
Proceeds - Capital Leases	0								
Total Cost:	16,955,606	1,997,677	1,925,000	2,620,000	2,645,000	3,030,000	2,410,000	2,327,929	



Capital Project Summary

Capital Project Number: GG5005

Activity #:

Capital Project Title: LEAPS

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

This project supports the hardware, software, and professional services to assess, purchase, implement, upgrade, and refresh technology related to public safety. At the heart of these systems is the Computer Aided Dispatch (CAD) system that is used to document 911 calls and dispatch the appropriate public safety staff and equipment in response to health, fire, accident, and law enforcement events across the County. Companion systems include the Intergraph Law Enforcement Automated Data System (I/LEADS) product suite that provides records management for Sheriff and Police personnel. I/LEADS helps public safety agencies create, query, and manage law enforcement records and deliver National Incident-based Reporting System (NIBRS) and Uniform Crime Reporting (UCR) reports to state governments. Other related systems include a legacy Records Management System (RMS) and Jail Management System (JMS) used at the Adult Detention Center. A full system upgrade/replacement is being considered in FY21/22.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Project Management	925,000		425,000	25,000	25,000	300,000	100,000	50,000	
Capital - Software	11,950,000			5,800,000	5,800,000	200,000	100,000	50,000	
Total Cost:	12,875,000		425,000	5,825,000	5,825,000	500,000	200,000	100,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	875,000		25,000	25,000	25,000	500,000	200,000	100,000	
General Obligation Bonds	400,000		400,000						
Proceeds - Capital Leases	11,600,000			5,800,000	5,800,000				
Total Cost:	12,875,000		425,000	5,825,000	5,825,000	500,000	200,000	100,000	



Capital Project Summary

Capital Project Number: GG5006

Activity #:

Capital Project Title: Enterprise GIS

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

This project supports software, hardware, and professional services for the continued operation of the county-wide Geographic Information System (GIS). GIS includes developing and curating copious data layers and databases (addresses, parcels, roads, ortho-photography, election boundaries, census, assets, etc.), creating vital public and internal use web-mapping applications, generating automated workflows to improve efficiency and effectiveness, data migration to new systems, and software distribution among multiple county departments. These functions are the foundation of several systems throughout the county including the CAD 911 Emergency Dispatch, IPS 11 Land Management and Permitting System, DPW Digital Plans Storage System, Office of Sustainability and Environmental Resources National Pollutant Discharge Elimination System, Sheriff's Office Crime Analytics. Data and cost may be shared with partnering municipalities.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital - Software	1,732,500		131,250		1,443,750	52,500	52,500	52,500	
Total Cost:	1,732,500		131,250		1,443,750	52,500	52,500	52,500	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	1,732,500		131,250		1,443,750	52,500	52,500	52,500	
Total Cost:	1,732,500		131,250		1,443,750	52,500	52,500	52,500	



Capital Project Summary

Capital Project Number: GG5008

Activity #:

Capital Project Title: Financial System

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Project Management	500,000		500,000						
Capital - Software	1,130,000		605,000	105,000	105,000	105,000	105,000	105,000	
Total Cost:	1,630,000		1,105,000	105,000	105,000	105,000	105,000	105,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	1,130,000		605,000	105,000	105,000	105,000	105,000	105,000	
General Obligation Bonds	500,000		500,000						
Total Cost:	1,630,000		1,105,000	105,000	105,000	105,000	105,000	105,000	



Capital Project Summary

Capital Project Number: GG5009

Activity #:

Capital Project Title: Land Management

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Capital - Software	1,367,500		1,000,000	105,000	52,500	52,500	52,500	105,000	
Total Cost:	1,367,500		1,000,000	105,000	52,500	52,500	52,500	105,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	806,775		465,000	97,650	48,825	48,825	48,825	97,650	
Trans from Water/Sewer Oper Fund	60,725		35,000	7,350	3,675	3,675	3,675	7,350	
Proceeds - Capital Leases	500,000		500,000						
Total Cost:	1,367,500		1,000,000	105,000	52,500	52,500	52,500	105,000	



Capital Project Summary

Capital Project Number: GG5010

Activity #: C2106.2106.01

Capital Project Title: EAM & Fleet Mgt System - Software

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2017

Capital Project Status: Active

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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Project Management	183,377	28,377	155,000						
Capital - Software	2,000,000			2,000,000					
Total Cost:	2,183,377	28,377	155,000	2,000,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	85,300	14,000	71,300						
Trans from Water/Sewer Oper Fund	994,902	14,377	70,525	910,000					
Trans from Solid Waste Oper Fund	183,175		13,175	170,000					
General Obligation Bonds	0								
Proceeds - Capital Leases	920,000			920,000					
Total Cost:	2,183,377	28,377	155,000	2,000,000					



Capital Project Summary

Capital Project Number: GG5015

Activity #:

Capital Project Title: Treasury System

Region:

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Capital - Software	285,000		75,000	105,000			105,000		
Total Cost:	285,000		75,000	105,000			105,000		

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	285,000		75,000	105,000			105,000		
Total Cost:	285,000		75,000	105,000			105,000		



Capital Project Summary

Capital Project Number: GG5080

Activity #: C2008.2008.01

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

Region: Countywide

Asset Category: General Government

Est Completion Date:

Asset Type: Technology

Year Identified: 2017

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Capital - IIT Hardware	1,115,788	77,200	146,662	46,305	531,405	110,250	67,804	136,162	
Total Cost:	1,115,788	77,200	146,662	46,305	531,405	110,250	67,804	136,162	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	1,115,788	77,200	146,662	46,305	531,405	110,250	67,804	136,162	
Total Cost:	1,115,788	77,200	146,662	46,305	531,405	110,250	67,804	136,162	

PARKS AND RECREATION

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
PARKS & RECREATION**

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Parks & Recreation										
Acquisition	3,000,000	5,061,503	2,061,503	500,000	500,000	500,000	500,000	500,000	500,000	0
Othello RP - Ph 2	835,458	13,415,873	0	0	0	0	0	835,458	0	12,580,415
Old National Pike DP - Ph 2	8,895,701	8,895,701	0	0	773,833	0	8,121,868	0	0	0
Middletown CP Development & Rehab	5,174,284	5,967,744	793,460	0	5,174,284	0	0	0	0	0
Utica DP - Ph 2	2,609,443	19,114,979	16,505,536	2,609,443	0	0	0	0	0	0
Rose Hill Exhibit and Storage Barn	948,219	948,219	0	0	0	948,219	0	0	0	0
Point of Rocks Pedestrian Bridge	300,000	300,000	0	35,000	265,000	0	0	0	0	0
Parks Systemic	5,588,982	8,152,737	0	931,497	931,497	931,497	931,497	931,497	931,497	2,563,755
Ballenger Creek Park Maintenance Area & Widrick House Rehabilitation	130,931	130,931	0	0	0	130,931	0	0	0	0
Playground Replacement and Reconstruction	750,000	2,250,000	0	0	0	0	0	0	750,000	1,500,000
Bikeways/Trails Program	3,548,512	7,080,339	266,837	246,431	1,527,825	246,431	1,527,825	0	0	3,264,990
River Access Master Plan	192,930	192,930	0	0	192,930	0	0	0	0	0
Park Schools	1,855,244	3,167,244	1,312,000	0	1,855,244	0	0	0	0	0
South County YMCA, Indoor Pool Partnership	3,000,000	3,600,000	600,000	600,000	600,000	600,000	600,000	600,000	0	0
Total: Parks & Recreation	36,829,704	78,278,200	21,539,336	4,922,371	11,820,613	3,357,078	11,681,190	2,866,955	2,181,497	19,909,160
Total Expense	36,829,704	78,278,200	21,539,336	4,922,371	11,820,613	3,357,078	11,681,190	2,866,955	2,181,497	19,909,160
FUNDING										
General Fund	5,118,610	6,667,560	607,280	875,000	1,067,930	1,034,010	913,890	913,890	313,890	941,670
General Fund Bonds & Capital Lease	5,932,999	24,245,842	2,610,343	690,311	2,619,688	662,232	725,554	617,607	617,607	15,702,500
Recordation Tax & Bonds	24,292,093	43,311,459	16,954,376	3,309,393	7,485,328	1,613,169	9,394,079	1,287,791	1,202,333	2,064,990
Grants	1,486,002	3,928,339	1,242,337	47,667	647,667	47,667	647,667	47,667	47,667	1,200,000
Other	0	125,000	125,000	0	0	0	0	0	0	0
Total Funding Source	36,829,704	78,278,200	21,539,336	4,922,371	11,820,613	3,357,078	11,681,190	2,866,955	2,181,497	19,909,160



Capital Project Summary

Capital Project Number: PR0001

Activity #: C7500.7500.01

Capital Project Title: Acquisition

Region:

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Land	5,061,503	2,061,503	500,000	500,000	500,000	500,000	500,000	500,000	
Total Cost:	5,061,503	2,061,503	500,000	500,000	500,000	500,000	500,000	500,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	1,268,782	982,780	47,667	47,667	47,667	47,667	47,667	47,667	
Trans from Parks Acquisition	437,058	437,058							
Recordation Tax Bonds	3,355,663	641,665	452,333	452,333	452,333	452,333	452,333	452,333	
Total Cost:	5,061,503	2,061,503	500,000	500,000	500,000	500,000	500,000	500,000	



Capital Project Summary

Capital Project Number: PR1023

Activity #:

Capital Project Title: Othello RP - Ph 2

Region: Brunswick

Asset Category: Parks & Recreation

Est Completion Date: 7/31/2026

Asset Type: Parks & Recreation

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

Construction of the Phase I Development was initiated in FY2019. The Phase II Development project will focus on providing additional athletic fields and facilities/amenities to address sports and recreational needs of County residents. Potential new amenities could include shelters, trails, parking lots/roadways and a recreation center.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	150,000						150,000		
Architect/Engineering	645,458						645,458		
Construction	11,650,570								11,650,570
Construction - IIT Infrastruct	36,550								36,550
Inspectors - County	200,000								200,000
Project Management	120,000						40,000		80,000
Capital - Furniture / Equipmen	548,835								548,835
Capital - IIT Hardware	64,460								64,460
Total Cost:	13,415,873						835,458		12,580,415

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Parks Acquisition	835,458						835,458		
General Obligation Bonds	12,580,415								12,580,415
Total Cost:	13,415,873						835,458		12,580,415



Capital Project Summary

Capital Project Number: PR1026

Activity #:

Capital Project Title: Old National Pike DP - Ph 2

Region: New Market

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Active

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, comfort stations, an amphitheater, paved hike/bike trail, landscaping, roads and parking lots. Additional phases will be determined in future CIP requests.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	228,898					228,898			
Architect/Engineering	684,094			684,094					
Construction	6,865,653					6,865,653			
Construction - IIT Infrastruct	34,507					34,507			
Inspectors - County	352,015			59,982		292,033			
Project Management	65,465			29,757		35,708			
Capital - Furniture / Equipmen	598,230					598,230			
Capital - IIT Hardware	66,839					66,839			
Total Cost:	8,895,701			773,833		8,121,868			

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	0								
Trans from Parks Acquisition	5,728,721			773,833		4,954,888			
General Obligation Bonds	0								
Recordation Tax Bonds	3,166,980					3,166,980			
Total Cost:	8,895,701			773,833		8,121,868			



Capital Project Summary

Capital Project Number: PR1028

Activity #: C7105.7105.01

Capital Project Title: Middletown CP Development & Rehab

Region: Middletown

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2013

Capital Project Status: Active

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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	24,140			24,140					
Site Improvement - NonBldg	206,418	206,418							
Architect/Engineering	498,747	498,747							
Construction	4,688,516			4,688,516					
Construction - IIT Infrastruct	69,597			69,597					
Inspectors - County	252,017	55,535		196,482					
Project Management	68,468	32,760		35,708					
Capital - Furniture / Equipmen	134,204			134,204					
Capital - IIT Hardware	25,637			25,637					
Total Cost:	5,967,744	793,460		5,174,284					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	0								
Trans from Parks Acquisition	3,967,744	793,460		3,174,284					
General Obligation Bonds	0								
Recordation Tax Bonds	2,000,000			2,000,000					
Total Cost:	5,967,744	793,460		5,174,284					



Capital Project Summary

Capital Project Number: PR1032

Activity #: C7102.7102.01

Capital Project Title: Utica DP - Ph 2

Region:

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: In Progress

Capital Project Description:

Facilities included in this second phase of development area 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. Improvements were also made for facilities that were not constructed in Phase 1 due to funding constraints. For FY2020, 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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	159,078	159,078							
Site Improvement - NonBldg	2,621,401	11,958	2,609,443						
Architect/Engineering	709,577	709,577							
Construction	14,537,330	14,537,330							
Construction - IIT Infrastruct	90,668	90,668							
Inspectors - County	241,477	241,477							
Project Management	121,710	121,710							
Capital - Furniture / Equipmen	562,380	562,380							
Capital - IIT Hardware	71,358	71,358							
Total Cost:	19,114,979	16,505,536	2,609,443						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Contributions & Donations	125,000	125,000							
Trans from Parks Acquisition	11,654,652	9,439,193	2,215,459						
General Obligation Bonds	1,941,343	1,941,343							
Recordation Tax Bonds	5,393,984	5,000,000	393,984						
Total Cost:	19,114,979	16,505,536	2,609,443						



Capital Project Summary

Capital Project Number: PR1033

Activity #:

Capital Project Title: Rose Hill Exhibit and Storage Barn

Region: Frederick

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2018

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	103,005				103,005				
Architect/Engineering	62,948				62,948				
Construction	629,475				629,475				
Construction - IIT Infrastruct	15,909				15,909				
Inspectors - County	91,560				91,560				
Project Management	34,335				34,335				
Capital - IIT Hardware	10,987				10,987				
Total Cost:	948,219				948,219				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Parks Acquisition	948,219				948,219				
Total Cost:	948,219				948,219				



Capital Project Summary

Capital Project Number: PR1035

Activity #:

Capital Project Title: Point of Rocks Pedestrian Bridge

Region:

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

The installation of the pedestrian bridge would coincide with the Office of Sustainability and Environment Resource's Point of Rock Stream and Pond Retrofit project. The bridge will allow residents of the surrounding community to continue to have access over the modified stream and pond.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	30,000		30,000						
Construction	250,000			250,000					
Inspectors - County	10,000			10,000					
Project Management	10,000		5,000	5,000					
Total Cost:	300,000		35,000	265,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Parks Acquisition	300,000		35,000	265,000					
Total Cost:	300,000		35,000	265,000					



Capital Project Summary

Capital Project Number: PR2000

Activity #:

Capital Project Title: Parks Systemic

Region: Countywide

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2015

Capital Project Status: Active

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: park building and shelter repairs; fencing replacement; repairs to park trails and paths, including sidewalks and curbing and security cameras. For FY2020 the focus will be: renovations to kayak/canoe launches/ramps, replacing bleachers, replacing bulletin boards and repaving of roadways/parking lots/trails at select parks.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	331,143		37,835	37,835	37,835	37,835	37,835	37,835	104,133
Architect/Engineering	578,895		66,142	66,142	66,142	66,142	66,142	66,142	182,043
Construction	6,580,386		751,847	751,847	751,847	751,847	751,847	751,847	2,069,304
Inspectors - County	401,871		45,916	45,916	45,916	45,916	45,916	45,916	126,375
Project Management	260,442		29,757	29,757	29,757	29,757	29,757	29,757	81,900
Total Cost:	8,152,737		931,497	931,497	931,497	931,497	931,497	931,497	2,563,755

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	2,747,230		275,000	275,000	313,890	313,890	313,890	313,890	941,670
General Obligation Bonds	5,405,507		656,497	656,497	617,607	617,607	617,607	617,607	1,622,085
Total Cost:	8,152,737		931,497	931,497	931,497	931,497	931,497	931,497	2,563,755



Capital Project Summary

Capital Project Number: PR2009

Activity #:

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

Region:

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2017

Capital Project Status: Active

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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	119,028				119,028				
Project Management	11,903				11,903				
Total Cost:	130,931				130,931				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	120,120				120,120				
General Obligation Bonds	10,811				10,811				
Total Cost:	130,931				130,931				



Capital Project Summary

Capital Project Number: PR2010

Activity #:

Capital Project Title: Playground Replacement and Reconstruction

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

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

The Division of Parks and Recreation is currently evaluating the park systems' existing playgrounds to determine which areas have reached the end of their respective service life. The evaluation would also identify and address outdated playground equipment and any safety issues to park patrons. In addition to replacing equipment that will meet both the Consumer Product Safety Commission (CPSC) standards and the Americans with Disabilities Act (ADA), playground surfacing will also be retrofitted with either bonded rubber for sites that are not within a floodplain or rubber interlocking tiles for sites that are. This project would identify and prioritize existing playgrounds and provide for the replacement of one or more per year. Costs would also include demolition of existing playgrounds, as well as any improvements, expansion, and/or repairs to playground curbing, and any surrounding walkway/trail connections.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	90,000							30,000	60,000
Architect/Engineering	210,000							70,000	140,000
Construction	1,770,000							590,000	1,180,000
Inspectors - County	90,000							30,000	60,000
Project Management	90,000							30,000	60,000
Total Cost:	2,250,000							750,000	1,500,000

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Parks Acquisition	750,000							750,000	
General Obligation Bonds	1,500,000								1,500,000
Total Cost:	2,250,000							750,000	1,500,000



Capital Project Summary

Capital Project Number: PR3001

Activity #: C7200.7200.01

Capital Project Title: Bikeways/Trails Program

Region:

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

The Frederick County Bikeways and Trail Plan is in the process of being updated to assist County Staff in identifying and planning for sites and areas to develop potential trail corridors in the County. In this CIP request, the County will be scheduling alternating design and construction funding years from FY2020 to FY2023. Funding may be needed and used for potential trail acquisition or easements, as needed. County Staff will also look at utilizing 50/50 matching grants from the Federal Transportation Enhancement Grant Program (TEP) for eligible trail projects.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	1,055,261	266,837	212,617		212,617				363,190
Construction	5,481,444			1,419,878		1,419,878			2,641,688
Inspectors - County	383,874		21,911	78,190	21,911	78,190			183,672
Project Management	159,760		11,903	29,757	11,903	29,757			76,440
Total Cost:	7,080,339	266,837	246,431	1,527,825	246,431	1,527,825			3,264,990

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Federal Grants - Capital	2,659,557	259,557		600,000		600,000			1,200,000
Trans from General Fund	7,280	7,280							
Trans from Parks Acquisition	4,129,980		212,617	819,878	212,617	819,878			2,064,990
General Obligation Bonds	283,522		33,814	107,947	33,814	107,947			
Total Cost:	7,080,339	266,837	246,431	1,527,825	246,431	1,527,825			3,264,990



Capital Project Summary

Capital Project Number: PR3007

Activity #:

Capital Project Title: River Access Master Plan

Region: Thurmont

Asset Category: Parks & Recreation

Est Completion Date: 7/1/2021

Asset Type: Parks & Recreation

Year Identified: 2018

Capital Project Status: Active

Capital Project Description:

This project combines the Bridgeport Monocacy River Access (PR3005) and Rocky Ridge Landing Monocacy River Access (PR3006) Master Plans that were included in the Fiscal Years 2018-2023 Approved CIP into one River Access Master Plan to achieve cost and time efficiencies. A large portion of both properties are in the 100-year flood plain, so all improvements to the sites must be reviewed by the Zoning Administrator prior to approval of any Park Master Plans. Boundary surveys must be completed at both sites and monuments installed at all property corners. In addition to construction of entrances off Bridgeport Road and MD RT 77, development contemplated at each site includes roadway; parking; picnic area; bulletin board; portable restroom enclosure; concrete ramp to river for carry-in boat launch; ADA accessible access for fishing; guardrail; park signage; landscaping. The feasibility of adding a picnic shelter, small playground, and vaulted restroom at each site will also be investigated.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	179,850			179,850					
Project Management	13,080			13,080					
Total Cost:	192,930			192,930					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	192,930			192,930					
Total Cost:	192,930			192,930					



Capital Project Summary

Capital Project Number: PR3501

Activity #: C7600.7600.01

Capital Project Title: Park Schools

Region:

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

Park School facilities provide recreational facilities not normally associated with the regular FCPS program such as a regulation size gym, recreation room, office and storage and are generally placed at elementary schools. Currently a park school facility is planned for the Rock Creek School and will focus on program participants with disabilities. Costs for construction are based on per square footage costs data provided by FCPS Staff.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital Appropriations	0								
Construction - County's Share	3,167,244	1,312,000		1,855,244					
Total Cost:	3,167,244	1,312,000		1,855,244					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	2,524,244	669,000		1,855,244					
Recordation Tax Bonds	643,000	643,000							
Total Cost:	3,167,244	1,312,000		1,855,244					



Capital Project Summary

Capital Project Number: PR8002

Activity #: C7700.7700.01

Capital Project Title: South County YMCA, Indoor Pool Partnership

Region:

Asset Category: Parks & Recreation

Est Completion Date:

Asset Type: Parks & Recreation

Year Identified: 2016

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Capital Appropriations	0								
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	2020	2021	2022	2023	2024	2025	Costs After
Trans 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		

WATERSHED RESTORATION

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED**

WATERSHED RESTORATION & RETROFITS

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Watershed Restoration & Retrofit										
Bennett Creek Watershed	(67,946)	92,867	160,813	(67,946)	0	0	0	0	0	0
Hunting Creek Watershed	(72,278)	77,722	150,000	(72,278)	0	0	0	0	0	0
County-Owned Stormwater Facility Retrofits	1,366,249	8,468,702	7,102,453	1,366,249	0	0	0	0	0	0
Double Pipe Creek Watershed Assessment	(15,520)	119,480	135,000	(15,520)	0	0	0	0	0	0
Reforestation Program	13,352,241	19,515,945	6,163,704	2,452,241	2,180,000	2,180,000	2,180,000	2,180,000	2,180,000	0
Stream Restorations	2,196,350	2,989,350	793,000	0	2,196,350	0	0	0	0	0
Regenerative Stormwater Conveyance Retrofits	211,748	297,248	85,500	211,748	0	0	0	0	0	0
Non-County Owned Stormwater Facility Retrofits	2,458,705	3,620,705	1,162,000	2,458,705	0	0	0	0	0	0
Watershed Assessments	215,000	430,000	215,000	215,000	0	0	0	0	0	0
Cloverhill Stormwater Retrofits	750,800	750,800	0	497,200	253,600	0	0	0	0	0
Watershed Systemics	17,123,896	36,866,521	0	0	1,408,896	3,857,500	3,857,500	4,000,000	4,000,000	19,742,625
Total: Watershed Restoration & Retrofit	37,519,245	73,229,340	15,967,470	7,045,399	6,038,846	6,037,500	6,037,500	6,180,000	6,180,000	19,742,625
Total Expense	37,519,245	73,229,340	15,967,470	7,045,399	6,038,846	6,037,500	6,037,500	6,180,000	6,180,000	19,742,625
FUNDING										
General Fund	16,154,450	42,582,575	8,315,625	3,181,950	2,635,000	1,220,000	2,220,000	2,717,500	4,180,000	18,112,500
General Fund Bonds & Capital Lease	21,364,795	29,536,920	6,542,000	3,863,449	3,403,846	4,817,500	3,817,500	3,462,500	2,000,000	1,630,125
Grants	0	1,109,845	1,109,845	0	0	0	0	0	0	0
Total Funding Source	37,519,245	73,229,340	15,967,470	7,045,399	6,038,846	6,037,500	6,037,500	6,180,000	6,180,000	19,742,625



Capital Project Summary

Capital Project Number: WR1001

Activity #: C8000.8000.01

Capital Project Title: Bennett Creek Watershed

Region:

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2010

Capital Project Status: In Progress

Capital Project Description:

PROJECT IS COMPLETE - Residual Funding is being moved.

The Bennett Creek Watershed project includes an assessment of the current water quality conditions, identify and rank water quality problems, prioritize structural and nonstructural water quality improvement projects, and provide project designs to meet restoration needs within the Bennett Creek Watershed.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	0	21,918	-21,918						
Land	0	18,500	-18,500						
Site Improvement - NonBldg	0	33,160	-33,160						
Architect/Engineering	90,000		90,000						
Construction	2,867	77,735	-74,868						
Project Management	0	9,500	-9,500						
Total Cost:	92,867	160,813	-67,946						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	92,867	160,813	-67,946						
Total Cost:	92,867	160,813	-67,946						



Capital Project Summary

Capital Project Number: WR1024

Activity #: C8007.8007.01

Capital Project Title: Hunting Creek Watershed

Region:

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2015

Capital Project Status: In Progress

Capital Project Description:

PROJECT IS COMPLETE - Residual Funding is being moved.

A Stormwater Master Plan/Drainage Study for the Upper and Lower Mainstem subwatersheds of Hunting Creek Watershed will serve as a planning tool for watershed restoration projects and programs that will be submitted in future CIP cycles. These projects will serve as compliance towards meeting the County's impervious acre restoration requirement of the MS4 NPDES Permit and improve the conditions of this catchment area. Little Hunting Creek crosses under Route 15 and behind Catocin Furnace Road. There is severe instability in this catchment area where the stream has road and culvert impacts.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	77,722	100,000	-22,278						
Land	0	25,000	-25,000						
Site Improvement - NonBldg	0	25,000	-25,000						
Total Cost:	77,722	150,000	-72,278						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	77,722	150,000	-72,278						
Total Cost:	77,722	150,000	-72,278						



Capital Project Summary

Capital Project Number: WR1026

Activity #: C8009.8009.01

Capital Project Title: County-Owned Stormwater Facility Retrofits

Region: Countywide

Asset Category: Watershed Restoration & Retrofit

Est Completion Date: 6/30/2021

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2015

Capital Project Status: Active

Capital Project Description:

This project provides design and construction funds for recommended retrofits per the Phase A County-owned Stormwater Management Best Management Practices Retrofit Assessment of existing stormwater management practices located on County-owned land, and from additional site investigations. This project will also include projects identified through the new Stormwater Management Best Management Practices on All County-owned Properties Assessment. Subprojects under this project anticipated to be completed include Dudrow, Transit, Health Dept. (Montevue Lane), Animal Health Services, Glade Manor, and Clover Hill Stormwater Pond Retrofits.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Salary & Wages	31,488	31,488							
Land	123,000	123,000							
Site Improvement - NonBldg	202,316	202,316							
Architect/Engineering	2,184,752	2,184,752							
Construction	5,391,080	4,204,097	1,186,983						
Inspectors - County	331,771	226,000	105,771						
Project Management	204,295	130,800	73,495						
Total Cost:	8,468,702	7,102,453	1,366,249						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	394,845	394,845							
Trans from General Fund	2,865,608	2,865,608							
General Obligation Bonds	5,208,249	3,842,000	1,366,249						
Total Cost:	8,468,702	7,102,453	1,366,249						



Capital Project Summary

Capital Project Number: WR1032

Activity #: C8015.8015.01

Capital Project Title: Double Pipe Creek Watershed Assessment

Region:

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: In Progress

Capital Project Description:

PROJECT IS COMPLETE - Residual Funding is being moved.

This is a comprehensive watershed assessment according to the requirements of the NPDES Permit. The Assessment will determine the health of the watershed using quantitative data, identify and rank water quality problems and their locations, conduct a public meeting, and show the results of a visual watershed inspection. The intent will be twofold: one, document the health of the watershed; and, two, use this information to determine specific areas of the watershed with water quality problems and further investigate to determine the appropriate restoration techniques to satisfy permit requirements.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	119,480	130,000	-10,520						
Land	0	5,000	-5,000						
Total Cost:	119,480	135,000	-15,520						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	119,480	135,000	-15,520						
Total Cost:	119,480	135,000	-15,520						



Capital Project Summary

Capital Project Number: WR1039

Activity #: C8021.8021.01

Capital Project Title: Reforestation Program

Region:

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2016

Capital Project Status: Active

Capital Project Description:

The Reforestation Program, named Creek ReLeaf, ranks and reforests public and private lands throughout the County. Public properties are identified through various screening processes while private properties are identified through voluntary applications by landowners into the program on a yearly basis. Once private property applications are received, properties are ranked and prioritized by set factors related to the goals and success of the reforestation program. To secure and protect the trees planted on private properties and to comply with the county's NPDES MS4 permit, permanent conservation easements are obtained and sites are triennially inspected at a minimum to ensure adherence to the conservation easement. The Reforestation Program will assist the County in obtaining impervious equivalent credits towards the NPDES MS4 Permit.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Salary & Wages	31,488	31,488							
Land	7,773,094	2,121,121	1,291,973	872,000	872,000	872,000	872,000	872,000	
Site Improvement - NonBldg	2,914,075	514,281	306,994	418,560	418,560	418,560	418,560	418,560	
Construction	8,676,648	3,480,814	835,834	872,000	872,000	872,000	872,000	872,000	
Project Management	120,640	16,000	17,440	17,440	17,440	17,440	17,440	17,440	
Total Cost:	19,515,945	6,163,704	2,452,241	2,180,000	2,180,000	2,180,000	2,180,000	2,180,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	715,000	715,000							
Trans from General Fund	4,300,945	2,948,704	452,241	180,000	180,000	180,000	180,000	180,000	
General Obligation Bonds	14,500,000	2,500,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	
Total Cost:	19,515,945	6,163,704	2,452,241	2,180,000	2,180,000	2,180,000	2,180,000	2,180,000	



Capital Project Summary

Capital Project Number: WR1042

Activity #: C8024.8024.01

Capital Project Title: Stream Restorations

Region: Frederick, New Market

Asset Category: Watershed Restoration & Retrofit

Est Completion Date: 12/1/2021

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

The Stream Restorations Project encompasses the design and construction of degraded streams throughout Frederick County. These projects create in-stream stability, reduce in-stream erosion and, in some instances, protect infrastructure. Projects are identified through Watershed Assessments and include natural channel designs as well as other stream restoration techniques that improve stream health. Stream restoration projects assist the County in meeting its NPDES MS4 permit requirements for impervious acre credit equivalency as defined by the Maryland Department of the Environment. Projects may be located on public and private lands and will be protected by a permanent easement. Subprojects anticipated to be completed include Clover Hill, Pine Cliff Phase 2, and Sam Hill Estates HOA.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	85,000	85,000							
Site Improvement - NonBldg	131,000	131,000							
Architect/Engineering	523,000	523,000							
Construction	1,958,730			1,958,730					
Inspectors - County	178,760			178,760					
Project Management	112,860	54,000		58,860					
Total Cost:	2,989,350	793,000		2,196,350					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	2,008,000	593,000		1,415,000					
General Obligation Bonds	981,350	200,000		781,350					
Total Cost:	2,989,350	793,000		2,196,350					



Capital Project Summary

Capital Project Number: WR1043

Activity #: C8025.8025.01

Capital Project Title: Regenerative Stormwater Conveyance Retrofits

Region: Frederick

Asset Category: Watershed Restoration & Retrofit

Est Completion Date: 12/1/2020

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

The Regenerative Stormwater Conveyance (RSC) Retrofit project provides design and construction funds for storm drain outfalls identified in Watershed Assessments or other ranking assessments that determine feasible projects. RSCs treat concentrated stormwater drainage flows that go through changing grades. Projects identified will meet the required guidelines detailed from Maryland Department of the Environment and will receive impervious acre equivalency credits towards the County's NPDES MS4 Permit. It is anticipated that one subproject, McKaig Road Outfall, as identified in the Lower Monocacy Watershed Assessment, will be the first completed.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	15,000	15,000							
Site Improvement - NonBldg	13,000	13,000							
Architect/Engineering	50,000	50,000							
Construction	184,210		184,210						
Inspectors - County	17,440		17,440						
Project Management	17,598	7,500	10,098						
Total Cost:	297,248	85,500	211,748						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	297,248	85,500	211,748						
Total Cost:	297,248	85,500	211,748						



Capital Project Summary

Capital Project Number: WR1044

Activity #: C8026.8026.01

Capital Project Title: Non-County Owned Stormwater Facility Retrofits

Region: Frederick, New Market, Walkersville

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

This project provides design and construction funds for recommended retrofits of new and existing best management practices identified in Watershed Assessments. The subprojects identified under this project are locations where there is little to no stormwater runoff control, where the County can receive impervious surface credit as part of the NPDES MS4 Permit requirements, and where the impervious surface credit return on investment is maximized. Subprojects anticipated to be completed include facilities within the Glade Towne Condominiums, Sam Hill Estates HOA, Robin's Meadow, the Meadows at Woodspring, Spring Ridge, and the Greens subdivisions.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	250,000	250,000							
Site Improvement - NonBldg	169,000	169,000							
Architect/Engineering	673,000	673,000							
Construction	2,177,705		2,177,705						
Inspectors - County	211,000		211,000						
Project Management	140,000	70,000	70,000						
Total Cost:	3,620,705	1,162,000	2,458,705						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	3,620,705	1,162,000	2,458,705						
Total Cost:	3,620,705	1,162,000	2,458,705						



Capital Project Summary

Capital Project Number: WR1045

Activity #: C8027.8027.01

Capital Project Title: Watershed Assessments

Region: Countywide

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

The Watershed Assessments will include various Watershed Studies, small-scale feasibility studies, drainage studies, and Stormwater Master Plans. Additional studies are anticipated to begin in FY20 that will identify new stormwater management opportunities beyond the 2015 County-owned Stormwater Management Best Management Practices Retrofit Assessment. This New Best Management Practices on County-Owned Properties Assessment will identify opportunities to install new BMPs to capture uncontrolled runoff on County property.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	400,000	200,000	200,000						
Land	10,000	5,000	5,000						
Project Management	20,000	10,000	10,000						
Total Cost:	430,000	215,000	215,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	430,000	215,000	215,000						
Total Cost:	430,000	215,000	215,000						



Capital Project Summary

Capital Project Number: WR1051

Activity #:

Capital Project Title: Cloverhill Stormwater Retrofits

Region: Frederick

Asset Category: Watershed Restoration & Retrofit

Est Completion Date:

Asset Type: Watershed Restoration & Retrofit

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

The Office of Sustainability's roadside grass swale study identified a variety of opportunities to enhance roadside drainage conveyances to obtain a cost effective restoration towards the County's MS4 permit. Due to additional flooding within the Cloverhill Neighborhood, a collaborative and comprehensive drainage study with Highway Operations and Office of Sustainability will be underway in FY19 to identify opportunities to provide stormwater management while also increasing the capacity of the drainage systems to reduce flooding in the Cloverhill Neighborhood. Efforts included in this project under Watershed Restoration to improve stormwater management will be complemented with Highway Operation's project titled Cloverhill Stormdrain Improvements, which will address the capacity and flooding. This project also coincides with the County-Owned Stormwater Facility Retrofits and Stream Restoration CIP projects where stormwater retrofit opportunities exist beyond the stormwater management pond's drainage area. Subprojects will include a variety of stormwater management opportunities identified in the Grass Swale Study as well as the Cloverhill drainage study.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	20,000		10,000	10,000					
Site Improvement - NonBldg	36,000		24,000	12,000					
Architect/Engineering	126,000		84,000	42,000					
Construction	495,000		330,000	165,000					
Inspectors - County	45,000		30,000	15,000					
Project Management	28,800		19,200	9,600					
Total Cost:	750,800		497,200	253,600					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	750,800		497,200	253,600					
Total Cost:	750,800		497,200	253,600					



Capital Project Summary

Capital Project Number: WR1099

Activity #:

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: Active

Capital Project Description:

This project serves as a place holder for projects pertaining to the on-going permit requirements. As projects are identified, funding will be allocated to the specific projects. Two types of projects 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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction	36,866,521			1,408,896	3,857,500	3,857,500	4,000,000	4,000,000	19,742,625
Total Cost:	36,866,521			1,408,896	3,857,500	3,857,500	4,000,000	4,000,000	19,742,625

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	28,770,000			1,040,000	1,040,000	2,040,000	2,537,500	4,000,000	18,112,500
General Obligation Bonds	8,096,521			368,896	2,817,500	1,817,500	1,462,500		1,630,125
Total Cost:	36,866,521			1,408,896	3,857,500	3,857,500	4,000,000	4,000,000	19,742,625

ROADS

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED**

ROADS

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Roads										
Boyers Mill Road	248,200	26,805,382	26,557,182	248,200	0	0	0	0	0	0
Reichs Ford Road - Ph 2	685,600	11,726,300	0	0	0	0	412,900	272,700	0	11,040,700
Yeagerstown Road	1,285,200	10,146,700	0	0	0	0	0	533,400	751,800	8,861,500
White Rock Subdivision Improvements	2,286,600	2,457,800	171,200	421,000	1,865,600	0	0	0	0	0
Gas House Pike (from the City Limits to Boyers Mill Road)	9,213,200	13,234,400	4,021,200	650,000	8,563,200	0	0	0	0	0
Christopher's Crossing Widening	6,967,900	6,967,900	0	1,013,000	0	321,400	5,633,500	0	0	0
Total: Roads	20,686,700	71,338,482	30,749,582	2,332,200	10,428,800	321,400	6,046,400	806,100	751,800	19,902,200
Total Expense	20,686,700	71,338,482	30,749,582	2,332,200	10,428,800	321,400	6,046,400	806,100	751,800	19,902,200

FUNDING

General Fund	1,673,500	11,012,753	477,753	34,100	125,000	0	229,200	533,400	751,800	8,861,500
General Fund Bonds & Capital Lease	17,506,100	52,793,415	26,971,615	2,298,100	8,796,700	321,400	5,817,200	272,700	0	8,315,700
Excise Tax	0	2,073,492	2,073,492	0	0	0	0	0	0	0
Grants	1,507,100	5,432,100	1,200,000	0	1,507,100	0	0	0	0	2,725,000
Other	0	26,722	26,722	0	0	0	0	0	0	0
Total Funding Source	20,686,700	71,338,482	30,749,582	2,332,200	10,428,800	321,400	6,046,400	806,100	751,800	19,902,200



Capital Project Summary

Capital Project Number: RD1052

Activity #: C6304.6304.01

Capital Project Title: Boyers Mill Road

Region: New Market

Asset Category: Roads

Est Completion Date: 8/31/2022

Asset Type: Roads

Year Identified: 2010

Capital Project Status: In Progress

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. 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 on the north section (Gas house Pike to bridge over Lake Linganore) was substantially completed in early FY19. Construction is expected to begin on the south section (bridge over Lake Linganore to Old National Pike) in FY20.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	0								
Land	1,236,090	1,236,090							
Site Improvement - NonBldg	3,239,900	3,117,700	122,200						
Architect/Engineering	3,475,000	3,475,000							
Construction	18,155,238	18,155,238							
Inspectors - County	645,988	519,988	126,000						
Project Management	187,765	187,765							
Miscellaneous Recovery	-134,599	-134,599							
Total Cost:	26,805,382	26,557,182	248,200						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	1,200,000	1,200,000							
Cap Contr - Developer	26,722	26,722							
Trans from General Fund	233,153	233,153							
Trans from Develop Road Improv	2,073,492	2,073,492							
General Obligation Bonds	23,272,015	23,023,815	248,200						
Total Cost:	26,805,382	26,557,182	248,200						



Capital Project Summary

Capital Project Number: RD1061

Activity #:

Capital Project Title: Reichs Ford Road - Ph 2

Region: Frederick

Asset Category: Roads

Est Completion Date: 12/14/2029

Asset Type: Roads

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

This project will primarily focus on the upgrade/replacement of two bridges over Bush Creek. The bridges are prone to vehicular damage due to their narrow width and substandard approach alignments. The existing two lane road from Bartonsville Road to Ijamsville Road for a distance of 1.6 miles, including an 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 to Bush Creek. This project will complete the regional corridor upgrade between the Reichs Ford Road Ph 1 project and the Ijamsville Road corridor improvement projects. The 2015 ADT is 601 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	377,800					226,500	151,300		
Land	1,320,000								1,320,000
Site Improvement - NonBldg	140,100								140,100
Architect/Engineering	1,188,800								1,188,800
Construction	7,925,400								7,925,400
Inspectors - County	774,200					186,400	121,400		466,400
Project Management	0								
Total Cost:	11,726,300					412,900	272,700		11,040,700

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Federal Grants - Capital	2,725,000								2,725,000
Trans from General Fund	60,800					60,800			
General Obligation Bonds	8,940,500					352,100	272,700		8,315,700
Total Cost:	11,726,300					412,900	272,700		11,040,700



Capital Project Summary

Capital Project Number: RD1064

Activity #:

Capital Project Title: Yeagertown Road

Region: New Market

Asset Category: Roads

Est Completion Date: 12/15/2028

Asset Type: Roads

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

This roadway serves as a link from Boyers Mill Road to the proposed I-70/Meadow Road Interchange/Ijamsville Road. 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. Replacement of existing Bridge No. F09-06 will likely be required as part of the project. 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	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	315,100						315,100		
Land	1,645,000								1,645,000
Site Improvement - NonBldg	347,700								347,700
Architect/Engineering	751,800							751,800	
Construction	6,529,000								6,529,000
Inspectors - County	558,100						218,300		339,800
Project Management	0								
Total Cost:	10,146,700						533,400	751,800	8,861,500

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	10,146,700						533,400	751,800	8,861,500
Total Cost:	10,146,700						533,400	751,800	8,861,500



Capital Project Summary

Capital Project Number: RD1066

Activity #: C6307.6307.01

Capital Project Title: White Rock Subdivision Improvements

Region: Frederick

Asset Category: Roads

Est Completion Date: 12/17/2021

Asset Type: Roads

Year Identified: 2019

Capital Project Status: In Progress

Capital Project Description:

The White Rock subdivision, located off of Bethel Road north of Frederick City, is an older subdivision with deteriorating roads and sidewalks. This capital project proposes comprehensive improvements to the approximately 1.15 miles of roadways within the subdivision. Proposed work includes pavement rehabilitation, sidewalk reconstruction to ADA standards, drainage improvements, and curb and gutter replacement. Study funding is requested for this project for public outreach and determining typical sections for use during the design phase. The Division of Utilities and Solid Waste Management has planned waterline improvements for this area as well. The road project will be coordinated with the waterline project as necessary to minimize overall costs and inconvenience to the residents.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	77,800	77,800							
Site Improvement - NonBldg	81,800		81,800						
Architect/Engineering	339,200		339,200						
Construction	1,696,000			1,696,000					
Inspectors - County	169,600			169,600					
Project Management	93,400	93,400							
Total Cost:	2,457,800	171,200	421,000	1,865,600					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	121,200	21,200		100,000					
General Obligation Bonds	2,336,600	150,000	421,000	1,765,600					
Total Cost:	2,457,800	171,200	421,000	1,865,600					



Capital Project Summary

Capital Project Number: RD1067

Activity #: C6303.6303.01

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

Region: New Market

Asset Category: Roads

Est Completion Date: 12/16/2022

Asset Type: Roads

Year Identified: 2013

Capital Project Status: In Progress

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, and intersection improvements. The project is scheduled for construction in FY 2020. 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	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	268,000	268,000							
Land	1,547,000	1,547,000							
Site Improvement - NonBldg	853,000	853,000							
Architect/Engineering	1,344,200	694,200	650,000						
Construction	8,497,700	467,000		8,030,700					
Inspectors - County	724,500	192,000		532,500					
Total Cost:	13,234,400	4,021,200	650,000	8,563,200					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	1,507,100			1,507,100					
Trans from General Fund	248,400	223,400		25,000					
General Obligation Bonds	11,478,900	3,797,800	650,000	7,031,100					
Total Cost:	13,234,400	4,021,200	650,000	8,563,200					



Capital Project Summary

Capital Project Number: RD1068

Activity #:

Capital Project Title: Christopher's Crossing Widening

Region: Frederick

Asset Category: Roads

Est Completion Date: 12/15/2023

Asset Type: Roads

Year Identified: 2016

Capital Project Status: Active

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 Christopher's 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 Christopher's Crossing/Yellow Springs intersection may include the addition of a second lane to the existing roundabout. 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	2020	2021	2022	2023	2024	2025	Costs After
Land	250,000				250,000				
Site Improvement - NonBldg	71,400				71,400				
Architect/Engineering	799,900		799,900						
Construction	5,314,600					5,314,600			
Inspectors - County	318,900					318,900			
Project Management	213,100		213,100						
Total Cost:	6,967,900		1,013,000		321,400	5,633,500			

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	202,500		34,100			168,400			
General Obligation Bonds	6,765,400		978,900		321,400	5,465,100			
Total Cost:	6,967,900		1,013,000		321,400	5,633,500			

BRIDGES

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED**

BRIDGES

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Bridges										
Gas House Pike Bridge	698,000	5,215,200	4,517,200	698,000	0	0	0	0	0	0
Brethren Church Rd Br	1,314,200	1,314,200	0	262,600	97,600	954,000	0	0	0	0
Hessong Bridge Road Bridge (F15-01)	1,874,900	2,253,200	378,300	240,400	1,634,500	0	0	0	0	0
Hoovers Mill Road Bridge over Owens Creek	1,134,200	1,397,900	263,700	1,134,200	0	0	0	0	0	0
Hornets Nest Road Bridge	1,072,600	1,298,600	226,000	41,400	1,031,200	0	0	0	0	0
Biggs Ford Road Bridge F26-04	1,589,400	1,589,400	0	0	0	0	343,300	10,000	1,236,100	0
Stevens Road Bridge	1,311,300	1,311,300	0	1,311,300	0	0	0	0	0	0
Stottlemyer Road Bridge Deck Replacement	1,156,400	1,156,400	0	0	0	263,900	32,900	859,600	0	0
Replacement of Old Mill Road Bridge over Maryland Midland Railroad	1,648,900	1,648,900	0	0	0	342,200	80,000	1,226,700	0	0
Total: Bridges	11,799,900	17,185,100	5,385,200	3,687,900	2,763,300	1,560,100	456,200	2,096,300	1,236,100	0
Total Expense	11,799,900	17,185,100	5,385,200	3,687,900	2,763,300	1,560,100	456,200	2,096,300	1,236,100	0

FUNDING	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Fund	370,600	658,000	287,400	77,400	75,300	59,600	32,900	81,800	43,600	0
General Fund Bonds & Capital Lease	6,286,500	8,604,000	2,317,500	3,152,200	555,400	625,200	423,300	1,326,800	203,600	0
Grants	5,142,800	7,923,100	2,780,300	458,300	2,132,600	875,300	0	687,700	988,900	0
Total Funding Source	11,799,900	17,185,100	5,385,200	3,687,900	2,763,300	1,560,100	456,200	2,096,300	1,236,100	0



Capital Project Summary

Capital Project Number: BR1029

Activity #: C6007.6007.01

Capital Project Title: Gas House Pike Bridge

Region: New Market

Asset Category: Bridges

Est Completion Date:

Asset Type: Bridges

Year Identified: 2010

Capital Project Status: In Progress

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 reduce 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	2020	2021	2022	2023	2024	2025	Costs After
Land	145,000	145,000							
Site Improvement - NonBldg	478,300	378,300	100,000						
Architect/Engineering	692,500	594,500	98,000						
Construction	3,523,600	3,123,600	400,000						
Inspectors - County	375,800	275,800	100,000						
Total Cost:	5,215,200	4,517,200	698,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Federal Grants - Capital	2,996,300	2,601,300	395,000						
Trans from General Fund	200,000	200,000							
General Obligation Bonds	2,018,900	1,715,900	303,000						
Total Cost:	5,215,200	4,517,200	698,000						



Capital Project Summary

Capital Project Number: BR1032

Activity #:

Capital Project Title: Brethren Church Rd Br

Region: Middletown

Asset Category: Bridges

Est Completion Date: 12/16/2022

Asset Type: Bridges

Year Identified: 2015

Capital Project Status: Active

Capital Project Description:

Bridge No. F16-14. 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	2020	2021	2022	2023	2024	2025	Costs After
Land	60,000			60,000					
Site Improvement - NonBldg	37,600			37,600					
Architect/Engineering	218,800		218,800						
Construction	875,300				875,300				
Inspectors - County	78,700				78,700				
Project Management	43,800		43,800						
Total Cost:	1,314,200		262,600	97,600	954,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Federal Grants - Capital	875,300				875,300				
Trans from General Fund	47,800		11,300	17,900	18,600				
General Obligation Bonds	391,100		251,300	79,700	60,100				
Total Cost:	1,314,200		262,600	97,600	954,000				



Capital Project Summary

Capital Project Number: BR1033

Activity #: C6009.6009.01

Capital Project Title: Hessong Bridge Road Bridge (F15-01)

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 12/17/2021

Asset Type: Bridges

Year Identified: 2010

Capital Project Status: In Progress

Capital Project Description:

Bridge No. F15-01. 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	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	88,300	88,300							
Land	120,000		120,000						
Site Improvement - NonBldg	41,300		41,300						
Architect/Engineering	302,900	223,800	79,100						
Construction	1,514,400			1,514,400					
Inspectors - County	120,100			120,100					
Project Management	66,200	66,200							
Total Cost:	2,253,200	378,300	240,400	1,634,500					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Federal Grants - Capital	1,549,900	179,000	63,300	1,307,600					
Trans from General Fund	58,000	44,800	1,400	11,800					
General Obligation Bonds	645,300	154,500	175,700	315,100					
Total Cost:	2,253,200	378,300	240,400	1,634,500					



Capital Project Summary

Capital Project Number: BR1036

Activity #: C6010.6010.01

Capital Project Title: Hoovers Mill Road Bridge over Owens Creek

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 12/18/2020

Asset Type: Bridges

Year Identified: 2014

Capital Project Status: In Progress

Capital Project Description:

Bridge No. F15-11. 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	2020	2021	2022	2023	2024	2025	Costs After
Land	17,000	17,000							
Site Improvement - NonBldg	17,200	17,200							
Architect/Engineering	182,500	182,500							
Construction	1,050,400		1,050,400						
Inspectors - County	83,800		83,800						
Project Management	47,000	47,000							
Total Cost:	1,397,900	263,700	1,134,200						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	57,400	16,400	41,000						
General Obligation Bonds	1,340,500	247,300	1,093,200						
Total Cost:	1,397,900	263,700	1,134,200						



Capital Project Summary

Capital Project Number: BR1037

Activity #: C6011.6011.01

Capital Project Title: Hornets Nest Road Bridge

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 12/17/2021

Asset Type: Bridges

Year Identified: 2014

Capital Project Status: In Progress

Capital Project Description:

Bridge No. F05-22. 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	2020	2021	2022	2023	2024	2025	Costs After
Land	18,000		18,000						
Site Improvement - NonBldg	6,200		6,200						
Architect/Engineering	191,600	174,400	17,200						
Construction	949,200			949,200					
Inspectors - County	82,000			82,000					
Project Management	51,600	51,600							
Total Cost:	1,298,600	226,000	41,400	1,031,200					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Federal Grants - Capital	825,000			825,000					
Trans from General Fund	95,500	26,200	23,700	45,600					
General Obligation Bonds	378,100	199,800	17,700	160,600					
Total Cost:	1,298,600	226,000	41,400	1,031,200					



Capital Project Summary

Capital Project Number: BR1038

Activity #:

Capital Project Title: Biggs Ford Road Bridge F26-04

Region: Frederick

Asset Category: Bridges

Est Completion Date: 9/12/2025

Asset Type: Bridges

Year Identified: 2018

Capital Project Status: Active

Capital Project Description:

This project will provide rehabilitation of the existing multi-span steel beam bridge on Biggs Ford Road over the Monocacy River. The rehabilitation includes complete cleaning and painting of steel beams and bearings, replacement of deck joints, deck and parapet repairs, deck seal coat or overlay, and substructure repairs. The 2009 ADT at the bridge is 3,977 vehicles per day. The bridge was built in 1970.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	10,000						10,000		
Architect/Engineering	286,100					286,100			
Construction	1,144,500							1,144,500	
Inspectors - County	91,600							91,600	
Project Management	57,200					57,200			
Total Cost:	1,589,400					343,300	10,000	1,236,100	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Federal Grants - Capital	988,900							988,900	
Trans from General Fund	53,600						10,000	43,600	
General Obligation Bonds	546,900					343,300		203,600	
Total Cost:	1,589,400					343,300	10,000	1,236,100	



Capital Project Summary

Capital Project Number: BR1039

Activity #:

Capital Project Title: Stevens Road Bridge

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 12/18/2020

Asset Type: Bridges

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

Bridge No. F04-07. This project is for the rehabilitation of the existing through Pratt truss on Stevens Road over Hunting Creek. The work will include replacement of deteriorated truss members, replacement of steel floor beams and stringers, and replacement of the existing open-grid steel deck with a glue-laminated timber deck. The project also includes complete cleaning/painting of the superstructure steel and minor repairs to the existing substructure. The 2007 ADT at the bridge is 137 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	20,000		20,000						
Architect/Engineering	80,000		80,000						
Construction	1,053,300		1,053,300						
Inspectors - County	105,300		105,300						
Project Management	52,700		52,700						
Total Cost:	1,311,300		1,311,300						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	1,311,300		1,311,300						
Total Cost:	1,311,300		1,311,300						



Capital Project Summary

Capital Project Number: BR1049

Activity #:

Capital Project Title: Stottlemeyer Road Bridge Deck Replacement

Region: Middletown

Asset Category: Bridges

Est Completion Date: 12/13/2024

Asset Type: Bridges

Year Identified: 2018

Capital Project Status: Active

Capital Project Description:

Bridge F06-01. 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 1,456 vehicles per day. The bridge was built in 1977.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	10,000					10,000			
Site Improvement - NonBldg	22,900					22,900			
Architect/Engineering	199,800				199,800				
Construction	795,500						795,500		
Inspectors - County	128,200				64,100		64,100		
Total Cost:	1,156,400				263,900	32,900	859,600		

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Federal Grants - Capital	687,700						687,700		
Trans from General Fund	63,900				31,000	32,900			
General Obligation Bonds	404,800				232,900		171,900		
Total Cost:	1,156,400				263,900	32,900	859,600		



Capital Project Summary

Capital Project Number: BR1051

Activity #:

Capital Project Title: Replacement of Old Mill Road Bridge over Maryland Midland Railroad

Region: Thurmont

Asset Category: Bridges

Est Completion Date: 12/13/2024

Asset Type: Bridges

Year Identified: 2016

Capital Project Status: Active

Capital Project Description:

Bridge No. F04-09. 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, replace the deteriorating concrete abutments and construct a new bridge superstructure. The 2015 ADT at the bridge is 63 vehicles per day.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	80,000					80,000			
Architect/Engineering	282,700				282,700				
Construction	1,130,800						1,130,800		
Inspectors - County	95,900						95,900		
Project Management	59,500				59,500				
Total Cost:	1,648,900				342,200	80,000	1,226,700		

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	81,800				10,000		71,800		
General Obligation Bonds	1,567,100				332,200	80,000	1,154,900		
Total Cost:	1,648,900				342,200	80,000	1,226,700		

HIGHWAYS

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
HIGHWAYS**

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Highway										
Pavement Management Program	107,662,100	107,662,100	0	20,462,100	17,440,000	16,895,000	17,985,000	17,440,000	17,440,000	0
Highway Network Systemic - General	6,853,800	6,853,800	0	1,142,300	1,142,300	1,142,300	1,142,300	1,142,300	1,142,300	0
Sidewalk Retrofit Program	7,760,400	13,086,306	4,139,306	1,293,400	1,293,400	1,293,400	1,293,400	1,293,400	1,293,400	1,186,600
Sidewalk Missing Links	500,000	500,000	0	150,000	350,000	0	0	0	0	0
Road Signalization	2,244,000	2,244,000	0	374,000	374,000	374,000	374,000	374,000	374,000	0
Cloverhill Stormdrain Improvements	750,000	750,000	0	500,000	250,000	0	0	0	0	0
Thurmont & Johnsville Satellite Facility Improvements	5,365,750	5,365,750	0	0	475,000	4,890,750	0	0	0	0
Roads Satellite Facilities #3	414,985	5,841,886	5,426,901	414,985	0	0	0	0	0	0
Urbana Satellite Yard	1,141,369	5,249,339	4,107,970	1,141,369	0	0	0	0	0	0
Highway Operations Satellite Facility Acquisition	1,000,000	1,000,000	0	0	500,000	0	500,000	0	0	0
Total: Highway	133,692,404	148,553,181	13,674,177	25,478,154	21,824,700	24,595,450	21,294,700	20,249,700	20,249,700	1,186,600
Total Expense	133,692,404	148,553,181	13,674,177	25,478,154	21,824,700	24,595,450	21,294,700	20,249,700	20,249,700	1,186,600
FUNDING										
General Fund	52,206,900	53,326,105	832,605	8,458,400	8,029,700	9,429,700	8,779,700	8,779,700	8,729,700	286,600
General Fund Bonds & Capital Lease	81,485,504	95,227,076	12,841,572	17,019,754	13,795,000	15,165,750	12,515,000	11,470,000	11,520,000	900,000
Total Funding Source	133,692,404	148,553,181	13,674,177	25,478,154	21,824,700	24,595,450	21,294,700	20,249,700	20,249,700	1,186,600



Capital Project Summary

Capital Project Number: HW1001

Activity #: C6710.6710.01

Capital Project Title: Pavement Management Program

Region: Countywide

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2010

Capital Project Status: Active

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.

Prior budget is tracked in sub-projects

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction	107,662,100		20,462,100	17,440,000	16,895,000	17,985,000	17,440,000	17,440,000	
Total Cost:	107,662,100		20,462,100	17,440,000	16,895,000	17,985,000	17,440,000	17,440,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	46,678,700		7,678,700	7,250,000	8,500,000	7,750,000	7,750,000	7,750,000	
General Obligation Bonds	60,983,400		12,783,400	10,190,000	8,395,000	10,235,000	9,690,000	9,690,000	
Total Cost:	107,662,100		20,462,100	17,440,000	16,895,000	17,985,000	17,440,000	17,440,000	



Capital Project Summary

Capital Project Number: HW1050

Activity #:

Capital Project Title: Highway Network Systemic - General

Region: Countywide

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2016

Capital Project Status: Active

Capital Project Description:

This program includes multiple sub-programs: Pipe and Headwall Repair/Replacement, Road Stabilization, Safety/Spot Improvements, Bridge Repairs/Painting, and Rural Roads Enhancements. 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. Bridge Repair/Painting includes preventative maintenance and repair treatments for spans over 20' including cleaning/painting, concrete deck repairs, bridge deck joint repairs/replacement, and minor to moderate repair/replacement of bridge elements. Rural Roads Enhancements is new for FY 20. This program provides for localized repairs or enhancements, beyond routine maintenance, to roadways that are within the County's Rural Roads Program. The work in this sub-program will include drainage improvements (ditch and pipe work), localized grading/widening, and localized road stabilization as needed to minimize maintenance costs and provide a safe roadway for road users in strict compliance with the requirements of the Rural Roads Program.

****Prior budget is tracked in sub-projects****

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	144,600		24,100	24,100	24,100	24,100	24,100	24,100	
Site Improvement - NonBldg	67,200		11,200	11,200	11,200	11,200	11,200	11,200	
Architect/Engineering	165,000		27,500	27,500	27,500	27,500	27,500	27,500	
Construction	6,139,800		1,023,300	1,023,300	1,023,300	1,023,300	1,023,300	1,023,300	
Inspectors - County	337,200		56,200	56,200	56,200	56,200	56,200	56,200	
Total Cost:	6,853,800		1,142,300	1,142,300	1,142,300	1,142,300	1,142,300	1,142,300	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	2,000,000		200,000	200,000	400,000	400,000	400,000	400,000	
General Obligation Bonds	4,853,800		942,300	942,300	742,300	742,300	742,300	742,300	
Total Cost:	6,853,800		1,142,300	1,142,300	1,142,300	1,142,300	1,142,300	1,142,300	



Capital Project Summary

Capital Project Number: HW1090

Activity #: C6740.6740.01

Capital Project Title: Sidewalk Retrofit Program

Region: Countywide

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2016

Capital Project Status: Active

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 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	2020	2021	2022	2023	2024	2025	Costs After
Construction	11,184,845	3,504,445	1,110,300	1,110,300	1,110,300	1,110,300	1,110,300	1,110,300	1,018,600
Inspectors - County	1,901,461	634,861	183,100	183,100	183,100	183,100	183,100	183,100	168,000
Total Cost:	13,086,306	4,139,306	1,293,400	1,293,400	1,293,400	1,293,400	1,293,400	1,293,400	1,186,600

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	2,477,677	571,477	236,600	236,600	286,600	286,600	286,600	286,600	286,600
General Obligation Bonds	10,608,629	3,567,829	1,056,800	1,056,800	1,006,800	1,006,800	1,006,800	1,006,800	900,000
Total Cost:	13,086,306	4,139,306	1,293,400	1,293,400	1,293,400	1,293,400	1,293,400	1,293,400	1,186,600



Capital Project Summary

Capital Project Number: HW1095

Activity #:

Capital Project Title: Sidewalk Missing Links

Region: Countywide

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

This countywide program will supplement the improvements to pedestrian facilities currently being completed under the Sidewalk Retrofit program to meet Americans with Disabilities Act (ADA) requirements. The focus of this program is to construct new sidewalk segments where gaps, or missing links, occur between existing pedestrian facilities. Elimination of missing links will provide more continuous pedestrian facilities and encourage walking as an alternate mode of transportation. Priority will be given to segments that provide safe routes to schools, transit stations/stops, multi-use trail systems and community centers. Identification of missing links and prioritization for project lists is currently underway and is being led by the Division of Planning and Permitting. Preliminary analysis has identified several potential projects sites in the Adamstown and Ballenger Creek areas. Project development activities from the design phase through construction will be executed through the Division of Public Works.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	15,000		5,000	10,000					
Site Improvement - NonBldg	15,000		5,000	10,000					
Architect/Engineering	46,000		16,000	30,000					
Construction	350,000		100,000	250,000					
Inspectors - County	37,000		12,000	25,000					
Project Management	37,000		12,000	25,000					
Total Cost:	500,000		150,000	350,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	500,000		150,000	350,000					
Total Cost:	500,000		150,000	350,000					



Capital Project Summary

Capital Project Number: HW1100

Activity #:

Capital Project Title: Road Signalization

Region: Countywide

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Construction	2,244,000		374,000	374,000	374,000	374,000	374,000	374,000	
Total Cost:	2,244,000		374,000	374,000	374,000	374,000	374,000	374,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	1,908,600		343,100	343,100	243,100	343,100	343,100	293,100	
General Obligation Bonds	335,400		30,900	30,900	130,900	30,900	30,900	80,900	
Total Cost:	2,244,000		374,000	374,000	374,000	374,000	374,000	374,000	



Capital Project Summary

Capital Project Number: HW1201

Activity #:

Capital Project Title: Cloverhill Stormdrain Improvements

Region: Frederick

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

This project will address the stormdrain culverts and associated drainage in the Cloverhill Development. Construction will include but not be limited to the installation of additional culverts, repairs to existing culverts, and modifications to the existing drainage swales, which will alleviate flooding concerns. Design and construction will coincide with the Office of Sustainability's Cloverhill Stormwater Retrofits project.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction	750,000		500,000	250,000					
Total Cost:	750,000		500,000	250,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	750,000		500,000	250,000					
Total Cost:	750,000		500,000	250,000					



Capital Project Summary

Capital Project Number: HW3002

Activity #:

Capital Project Title: Thurmont & Johnsville Satellite Facility Improvements

Region: Thurmont

Asset Category: Highways

Est Completion Date: 12/1/2022

Asset Type: Highway

Year Identified: 2018

Capital Project Status: Active

Capital Project Description:

This project upgrades the Highway Operations satellite facilities in Thurmont and Johnsville to enhance the response to inclement weather and critical needs in these regions of Frederick County. Improvements include: replacing salt domes at the end of their services lives with structures that will increase salt storage capacity; modifying office space to more effectively house staff during 24/7 events and provide for supply storage; asphalt repair; installing spray wash systems to clean salt and debris from trucks and equipment; replacing well and septic systems; adding a truck shed (Thurmont).

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	40,000				40,000				
Site Improvement - NonBldg	120,000			120,000					
Architect/Engineering	330,000			330,000					
Construction	4,700,000				4,700,000				
Construction - IIT Infrastruct	9,350				9,350				
Inspectors - County	120,000				120,000				
Project Management	35,000			25,000	10,000				
Capital - IIT Hardware	11,400				11,400				
Total Cost:	5,365,750			475,000	4,890,750				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	5,365,750			475,000	4,890,750				
Total Cost:	5,365,750			475,000	4,890,750				



Capital Project Summary

Capital Project Number: HW3004

Activity #: C6780.6780.01

Capital Project Title: Roads Satellite Facilities #3

Region:

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2010

Capital Project Status: In Progress

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, truck shed with wash bay, and security features are provided at Jefferson.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
NonCapital Furniture/Equipment	10,200	10,200							
Site Improvement - NonBldg	166,627	113,480	53,147						
Architect/Engineering	396,750	351,750	45,000						
Construction	4,786,281	4,579,461	206,820						
Construction - IIT Infrastruct	33,590	22,550	11,040						
Inspectors - County	251,715	186,990	64,725						
Project Management	117,924	85,750	32,174						
Capital - Furniture / Equipmen	31,620	31,620							
Capital - IIT Hardware	47,179	45,100	2,079						
Total Cost:	5,841,886	5,426,901	414,985						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	101,936	101,936							
General Obligation Bonds	5,739,950	5,324,965	414,985						
Total Cost:	5,841,886	5,426,901	414,985						



Capital Project Summary

Capital Project Number: HW3005

Activity #: C6781.6781.01

Capital Project Title: Urbana Satellite Yard

Region:

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2017

Capital Project Status: In Progress

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 detached 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, connection to public water, brine system, trailer haul-off, concrete and paving repairs. A feasibility study is performed prior to commencing site design and will refine project costs. Expanded scope to include an extended roadway and parking to serve the existing ball fields.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	80,000	80,000							
NonCapital Furniture/Equipment	41,300	35,000	6,300						
Site Improvement - NonBldg	40,800	20,800	20,000						
Architect/Engineering	218,400	218,400							
Construction	4,369,232	3,320,396	1,048,836						
Construction - IIT Infrastruct	14,879	13,650	1,229						
Inspectors - County	144,944	125,040	19,904						
Project Management	48,690	36,800	11,890						
Capital - Furniture / Equipmen	271,600	240,000	31,600						
Capital - IIT Hardware	19,494	17,884	1,610						
Total Cost:	5,249,339	4,107,970	1,141,369						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	159,192	159,192							
General Obligation Bonds	5,090,147	3,948,778	1,141,369						
Total Cost:	5,249,339	4,107,970	1,141,369						



Capital Project Summary

Capital Project Number: HW3050

Activity #:

Capital Project Title: Highway Operations Satellite Facility Acquisition

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

Asset Category: Highways

Est Completion Date:

Asset Type: Highway

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

Based on the increasing growth across Frederick County, the need for additional highway operations facilities is evident. Additional facilities will allow for increased resources and the ability to expedite services. The establishment of this account would permit acquisition of highway operations satellite facilities based upon opportunities as they arise. Once an option to purchase property is executed, a separate project could be created and the appropriate funds transferred.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	1,000,000			500,000		500,000			
Total Cost:	1,000,000			500,000		500,000			

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
General Obligation Bonds	1,000,000			500,000		500,000			
Total Cost:	1,000,000			500,000		500,000			

WATER AND SEWER

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
WATER AND SEWER**

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capacity										
Ballenger-McKinney WWTP Sludge Management	66,723,300	66,723,300	0	0	0	0	0	5,586,000	61,137,300	0
Sewerage Problem Area Remediation	0	879,251	0	0	0	0	0	0	0	879,251
Inflow & Infiltration 1 201A-S	500,000	500,000	0	250,000	250,000	0	0	0	0	0
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
Water Storage Tank 2	2,865,000	3,178,000	313,000	2,865,000	0	0	0	0	0	0
Developer-Funded Infrastructure	120,000,000	170,000,000	50,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	0
Lewisstown Wastewater Treatment Plant Improvements	660,000	3,236,000	2,576,000	660,000	0	0	0	0	0	0
Lewisstown Wastewater Collection System	535,000	1,520,000	985,000	535,000	0	0	0	0	0	0
Adamstown Gravity Sewer Lines, Phase 1	3,215,600	3,215,600	0	3,215,600	0	0	0	0	0	0
Total: Capacity	194,498,900	251,820,151	53,874,000	27,525,600	20,250,000	20,000,000	20,000,000	25,586,000	81,137,300	3,447,251
Maintenance										
White Rock WWTP Replacement	400,000	2,606,800	2,206,800	400,000	0	0	0	0	0	0
Truck Scale at New Design Water Treatment Plant	637,500	637,500	0	254,000	383,500	0	0	0	0	0
Raw Water Intake and Pump Station Improvements	2,002,000	3,220,000	1,218,000	2,002,000	0	0	0	0	0	0
SHA Utility Relocations	250,000	1,427,261	1,177,261	250,000	0	0	0	0	0	0
Holly Hills SPS Replacement	505,000	505,000	0	505,000	0	0	0	0	0	0
Clay Street Waterline Replacement	585,000	900,000	315,000	585,000	0	0	0	0	0	0
Maintenance Building Expansion/Relocation	4,005,000	4,155,000	150,000	1,330,000	2,675,000	0	0	0	0	0
Facility Residuals Disposal	690,000	690,000	0	90,000	600,000	0	0	0	0	0
Concrete Water Tank Recoating	1,740,000	2,145,000	405,000	380,000	480,000	0	390,000	490,000	0	0
White Rock Wtr Line Rep	900,000	1,793,000	893,000	900,000	0	0	0	0	0	0
Cambridge Farms WTP UV	750,000	868,000	118,000	750,000	0	0	0	0	0	0
Inflow/Infiltr Study Ph3 201C-S	200,000	475,725	275,725	200,000	0	0	0	0	0	0
New Market West WTP Bypass	200,000	200,000	0	200,000	0	0	0	0	0	0
DUSWM Maintenance Systemics - Ballenger Wastewater	2,224,000	2,309,000	460,000	364,000	368,000	370,000	372,000	375,000	375,000	0
DUSWM Maintenance Systemics - Small Systems Wastewater	3,085,000	3,135,000	435,000	1,160,000	385,000	385,000	385,000	385,000	385,000	0
DUSWM Maintenance Systemics - Water	2,561,000	3,099,000	940,000	585,000	385,000	385,000	402,000	402,000	402,000	0
Total: Maintenance	20,734,500	28,166,286	8,593,786	9,865,000	4,766,500	1,740,000	1,549,000	1,652,000	1,162,000	0
Total Expense	215,233,400	279,986,437	62,467,786	37,390,600	25,016,500	21,740,000	21,549,000	27,238,000	82,299,300	3,447,251

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
WATER AND SEWER**

	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
FUNDING										
Enterprise Fee & Bonds	78,895,439	92,618,212	11,804,786	12,395,600	5,016,500	1,740,000	1,549,000	6,288,380	51,905,959	1,917,987
Grants	1,945,000	1,945,000	0	1,945,000	0	0	0	0	0	0
Other	134,392,961	186,585,225	50,663,000	23,050,000	20,000,000	20,000,000	20,000,000	20,949,620	30,393,341	1,529,264
Total Funding Source	215,233,400	281,148,437	62,467,786	37,390,600	25,016,500	21,740,000	21,549,000	27,238,000	82,299,300	3,447,251



Capital Project Summary

Capital Project Number: WS1001

Activity #:

Capital Project Title: Ballenger-McKinney WWTP Sludge Management

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 12/31/2026

Asset Type: Capacity

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	5,933,550						5,586,000	347,550	
Construction - County Funded	56,080,500							56,080,500	
Inspectors - County	1,643,250							1,643,250	
Overhead	388,500							388,500	
Capitalized Interest Expense	2,677,500							2,677,500	
Total Cost:	66,723,300						5,586,000	61,137,300	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Municipal	11,342,961						949,620	10,393,341	
Trans from W/S Cash Fund	2,677,500							2,677,500	
Enterprise Fund Bonds	52,702,839						4,636,380	48,066,459	
Total Cost:	66,723,300						5,586,000	61,137,300	



Capital Project Summary

Capital Project Number: WS1002

Activity #:

Capital Project Title: Sewerage Problem Area Remediation

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Capacity

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

This project serves as a placeholder to remediate sewage problem areas (failing septic systems) as needed.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	62,351								62,351
Architect/Engineering	112,350								112,350
Construction	605,850								605,850
Inspectors - County	29,400								29,400
Overhead	29,400								29,400
Capitalized Interest Expense	39,900								39,900
Total Cost:	879,251								879,251

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	39,900								39,900
Enterprise Fund Bonds	839,351								839,351
Total Cost:	879,251								879,251



Capital Project Summary

Capital Project Number: WS1009

Activity #: 81002.3999.01

Capital Project Title: Inflow & Infiltration 1 201A-S

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Capacity

Year Identified: 2010

Capital Project Status: In Progress

Capital Project Description:

Project includes efforts to identify I/I sources and make sewer system repairs in the Ballenger Creek, Monocacy, and Fountaindale sewer basins. Field flow and TV will be collected by DUSWM Operations or a contractor. The data will be interpreted by DUSWM staff or a consultant engineer and recommendations for necessary corrections shall be made. The repairs will be made by Operations staff or a contractor.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	150,000			150,000					
Construction - County Funded	100,000			100,000					
Overhead	250,000		250,000						
Total Cost:	500,000		250,000	250,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	500,000		250,000	250,000					
Total Cost:	500,000		250,000	250,000					



Capital Project Summary

Capital Project Number: WS1012

Activity #:

Capital Project Title: Linganore Interceptor 1 - Lower Reach

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Capacity

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	216,200								216,200
Construction - County Funded	1,173,000								1,173,000
Inspectors - County	38,000								38,000
Overhead	38,000								38,000
Capitalized Interest Expense	40,000								40,000
Total Cost:	1,505,200								1,505,200

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	831,164								831,164
Trans from W/S Cash Fund	40,000								40,000
Enterprise Fund Bonds	634,036								634,036
Total Cost:	1,505,200								1,505,200



Capital Project Summary

Capital Project Number: WS1013

Activity #:

Capital Project Title: Linganore Interceptor 2 - Upper Reach

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Capacity

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	147,500								147,500
Construction - County Funded	778,600								778,600
Inspectors - County	42,850								42,850
Overhead	42,850								42,850
Capitalized Interest Expense	51,000								51,000
Total Cost:	1,062,800								1,062,800

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	698,100								698,100
Trans from W/S Cash Fund	51,000								51,000
Enterprise Fund Bonds	313,700								313,700
Total Cost:	1,062,800								1,062,800



Capital Project Summary

Capital Project Number: WS1023

Activity #: 11284.1105.01

Capital Project Title: Water Storage Tank 2

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Capacity

Year Identified: 2015

Capital Project Status: Active

Capital Project Description:

Developer Funded project for design and construction of a new 1.0 MG elevated water storage tank located in the vicinity of Ed McClain and Green Valley Roads (Monrovia). Memorandum of Understanding between developer(s) and Frederick County has been executed.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	253,000	253,000							
Construction - County Funded	2,725,000		2,725,000						
Inspectors - County	140,000		140,000						
Overhead	60,000	60,000							
Total Cost:	3,178,000	313,000	2,865,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	3,178,000	313,000	2,865,000						
Total Cost:	3,178,000	313,000	2,865,000						



Capital Project Summary

Capital Project Number: WS1028

Activity #: 81001.3999.01

Capital Project Title: Developer-Funded Infrastructure

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 6/30/2024

Asset Type: Capacity

Year Identified: 2016

Capital Project Status: Active

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. The amounts budgeted are estimates only.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction - Developer Funde	170,000,000	50,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	
Total Cost:	170,000,000	50,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	170,000,000	50,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	
Total Cost:	170,000,000	50,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000	



Capital Project Summary

Capital Project Number: WS1032

Activity #: 21182.1211.01

Capital Project Title: Lewistown Wastewater Treatment Plant Improvements

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Capacity

Year Identified: 2017

Capital Project Status: In Progress

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	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	416,500	301,500	115,000						
Construction - County Funded	2,447,000	2,115,000	332,000						
Inspectors - County	104,500	104,500							
Overhead	268,000	55,000	213,000						
Total Cost:	3,236,000	2,576,000	660,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	960,000		960,000						
Trans from RR&R	2,276,000	1,000,000	1,276,000						
Proceeds - Loans	0	1,576,000	-1,576,000						
Total Cost:	3,236,000	2,576,000	660,000						



Capital Project Summary

Capital Project Number: WS1033

Activity #: 21183.1211.01

Capital Project Title: Lewistown Wastewater Collection System

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Capacity

Year Identified: 2017

Capital Project Status: In Progress

Capital Project Description:

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

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	15,000		15,000						
Architect/Engineering	196,000	120,000	76,000						
Construction - County Funded	1,029,000	735,000	294,000						
Inspectors - County	85,000	85,000							
Overhead	195,000	45,000	150,000						
Total Cost:	1,520,000	985,000	535,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
State Grants - Capital	985,000		985,000						
Cap Contr - Property Owners	535,000	350,000	185,000						
Proceeds - Loans	0	635,000	-635,000						
Total Cost:	1,520,000	985,000	535,000						



Capital Project Summary

Capital Project Number: WS1055

Activity #:

Capital Project Title: Adamstown Gravity Sewer Lines, Phase 1

Region: Adamstown

Asset Category: Water & Sewer

Est Completion Date: 2/28/2021

Asset Type: Capacity

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

Project includes design and construction of approximately 5,100 LF of 8-inch gravity sewer, manholes, service connections, and surface restoration. Alignment generally runs along the south side of the railroad R/W from Doubs Road SPS, across Mountville Road, to and along 500 feet of Adamstown Road. Budget also includes cost of easement document preparation and acquisition. Contract No. 147C-S.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	222,000		222,000						
Architect/Engineering	379,500		379,500						
Construction - County Funded	2,300,000		2,300,000						
Inspectors - County	102,000		102,000						
Project Management	44,500		44,500						
Overhead	167,600		167,600						
Total Cost:	3,215,600		3,215,600						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S System Develop	3,215,600		3,215,600						
Total Cost:	3,215,600		3,215,600						



Capital Project Summary

Capital Project Number: WS1019

Activity #: 21165.1210.01

Capital Project Title: White Rock WWTP Replacement

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified: 2002

Capital Project Status: In Progress

Capital Project Description:

Study, design, and construction of a replacement WWTP for White Rock.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	297,800	297,800							
Construction - County Funded	1,715,500	1,315,500	400,000						
Inspectors - County	52,000	52,000							
Overhead	401,500	401,500							
Capitalized Interest Expense	140,000	140,000							
Total Cost:	2,606,800	2,206,800	400,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	569,773	549,773	20,000						
Enterprise Fund Bonds	2,037,027	1,657,027	380,000						
Total Cost:	2,606,800	2,206,800	400,000						



Capital Project Summary

Capital Project Number: WS1035

Activity #:

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

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified: 2017

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	100,000		100,000						
Construction - County Funded	381,500			381,500					
Inspectors - County	75,000		75,000						
Overhead	50,000		50,000						
Capitalized Interest Expense	31,000		29,000	2,000					
Total Cost:	637,500		254,000	383,500					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	31,000		29,000	2,000					
Enterprise Fund Bonds	606,500		225,000	381,500					
Total Cost:	637,500		254,000	383,500					



Capital Project Summary

Capital Project Number: WS1037

Activity #: 11208.1105.01

Capital Project Title: Raw Water Intake and Pump Station Improvements

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified: 2018

Capital Project Status: In Progress

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 five sluice gate hydraulic operators and one hydraulic power unit.
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	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	257,000	165,000	92,000						
Construction - County Funded	2,525,000	825,000	1,700,000						
Inspectors - County	195,000	85,000	110,000						
Overhead	185,000	85,000	100,000						
Capitalized Interest Expense	58,000	58,000							
Total Cost:	3,220,000	1,218,000	2,002,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	58,000	58,000							
Trans from RR&R	306,827	80,000	226,827						
Enterprise Fund Bonds	2,855,173	1,080,000	1,775,173						
Total Cost:	3,220,000	1,218,000	2,002,000						



Capital Project Summary

Capital Project Number: WS1040

Activity #: 81005.3999.01

Capital Project Title: SHA Utility Relocations

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified: 2018

Capital Project Status: Active

Capital Project Description:

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.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	75,000	75,000							
Construction - County Funded	1,027,261	777,261	250,000						
Inspectors - County	75,000	75,000							
Overhead	250,000	250,000							
Total Cost:	1,427,261	1,177,261	250,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	1,427,261	1,177,261	250,000						
Total Cost:	1,427,261	1,177,261	250,000						



Capital Project Summary

Capital Project Number: WS1045

Activity #:

Capital Project Title: Holly Hills SPS Replacement

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 11/27/2020

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

The project includes design and construction services required to replace the existing sewage pump station with a new wet well mounted or submersible station, controls, and security fencing.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	75,000		75,000						
Construction - County Funded	400,000		400,000						
Inspectors - County	20,000		20,000						
Project Management	10,000		10,000						
Total Cost:	505,000		505,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	35,000		35,000						
Enterprise Fund Bonds	470,000		470,000						
Total Cost:	505,000		505,000						



Capital Project Summary

Capital Project Number: WS1046

Activity #: 11278.1109.01

Capital Project Title: Clay Street Waterline Replacement

Region:

Asset Category: Water & Sewer

Est Completion Date: 12/20/2019

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: In Progress

Capital Project Description:

Project includes design and construction services required to replace the existing water main between Ballenger Creek Pike and Bank Street in Point of Rocks. New 8-inch water main is approximately 1,100 LF in length and new service laterals are included.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	0	5,000	-5,000						
Architect/Engineering	68,000	50,000	18,000						
Construction - County Funded	653,000	220,000	433,000						
Inspectors - County	28,000	25,000	3,000						
Project Management	0	15,000	-15,000						
Overhead	103,000		103,000						
Capitalized Interest Expense	48,000		48,000						
Total Cost:	900,000	315,000	585,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	48,000	31,500	16,500						
Enterprise Fund Bonds	852,000	283,500	568,500						
Total Cost:	900,000	315,000	585,000						



Capital Project Summary

Capital Project Number: WS1047

Activity #: 21281.1206.01

Capital Project Title: Maintenance Building Expansion/Relocation

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 12/31/2021

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: In Progress

Capital Project Description:

This project involves preparation of a Facility Plan to identify and analyze possible options to expand or relocate the DUSWM Maintenance Building/Operation currently located on Marcies Choice Lane. Project includes funds to execute approved options which could include purchase and development of a new site, redevelopment of the existing site, renovation of the existing building, or a combination of these options.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Land	1,000,000		1,000,000						
Architect/Engineering	500,000	125,000	300,000	75,000					
Construction - County Funded	2,500,000			2,500,000					
Inspectors - County	75,000			75,000					
Project Management	80,000	25,000	30,000	25,000					
Total Cost:	4,155,000	150,000	1,330,000	2,675,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	550,500	150,000	133,000	267,500					
Enterprise Fund Bonds	3,604,500		1,197,000	2,407,500					
Total Cost:	4,155,000	150,000	1,330,000	2,675,000					



Capital Project Summary

Capital Project Number: WS1049

Activity #:

Capital Project Title: Facility Residuals Disposal

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 11/25/2022

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

Project includes the study, design, and construction services required to provide a more efficient method of disposing of waste collected by the vac-truck. Study will evaluate various options which could include modification to existing headworks at the Ballenger-McKinney WWTP or construction of a separate facility.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	175,000			75,000	100,000				
Construction - County Funded	400,000				400,000				
Inspectors - County	25,000				25,000				
Project Management	30,000			10,000	20,000				
Overhead	30,000			5,000	25,000				
Capitalized Interest Expense	30,000				30,000				
Total Cost:	690,000			90,000	600,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	120,000			90,000	30,000				
Enterprise Fund Bonds	570,000				570,000				
Total Cost:	690,000			90,000	600,000				



Capital Project Summary

Capital Project Number: WS1050

Activity #: 81018.3999.01

Capital Project Title: Concrete Water Tank Recoating

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 10/3/2025

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

The County currently has five concrete water storage tanks of various ages; two at New Design WTP, Jordan, East County, and Hannover. This project involves the repair and cementitious painting of the exterior wall/roof surfaces. Each tank will be scheduled for this work based upon its condition as recommended by our tank inspection program.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	275,000	75,000	50,000	50,000		50,000	50,000		
Construction - County Funded	1,450,000	250,000	250,000	350,000		250,000	350,000		
Inspectors - County	185,000	35,000	35,000	35,000		40,000	40,000		
Project Management	50,000	10,000	10,000	10,000		10,000	10,000		
Overhead	185,000	35,000	35,000	35,000		40,000	40,000		
Total Cost:	2,145,000	405,000	380,000	480,000		390,000	490,000		

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	2,145,000	405,000	380,000	480,000		390,000	490,000		
Total Cost:	2,145,000	405,000	380,000	480,000		390,000	490,000		



Capital Project Summary

Capital Project Number: WS1051

Activity #: 11111.1131.01

Capital Project Title: White Rock Wtr Line Rep

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified:

Capital Project Status: In Progress

Capital Project Description:

Design and construction of replacement waterlines in White Rock subdivision shall be coordinated with the DPW roadway project. The project includes installation of new water main, water house connections, and may include fire hydrants.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	109,900	173,900	-64,000						
Construction - County Funded	1,224,000	654,000	570,000						
Inspectors - County	40,000	40,000							
Overhead	201,000	18,000	183,000						
Capitalized Interest Expense	218,100		218,100						
Capital - Furniture / Equipmen	0	7,100	-7,100						
Total Cost:	1,793,000	893,000	900,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	915,000	465,000	450,000						
Enterprise Fund Bonds	878,000	428,000	450,000						
Total Cost:	1,793,000	893,000	900,000						



Capital Project Summary

Capital Project Number: WS1052

Activity #: 11113.1142.01

Capital Project Title: Cambridge Farms WTP UV

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified:

Capital Project Status: In Progress

Capital Project Description:

Project includes the design and construction of an expansion of the existing Cambridge Farms Water Treatment Plant, relocation of the generator, piping modifications, new chemical storage room, UV disinfection, and filtration systems.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	102,000	27,000	75,000						
Construction - County Funded	675,000	75,000	600,000						
Inspectors - County	35,000	10,000	25,000						
Overhead	56,000	6,000	50,000						
Total Cost:	868,000	118,000	750,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	868,000	118,000	750,000						
Total Cost:	868,000	118,000	750,000						



Capital Project Summary

Capital Project Number: WS1053

Activity #: 81004.3999.01

Capital Project Title: Inflow/Infiltr Study Ph3 201C-S

Region:

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified:

Capital Project Status: In Progress

Capital Project Description:

Project includes efforts to identify I/I sources and make sewer system repairs in the Jefferson and White Rock sewer basins. Field flow and TV will be collected by DUSWM Operations or a contractor. The data will be interpreted by DUSWM staff or a consultant engineer and recommendations for necessary corrections shall be made. The repairs will be made by Operations staff or a contractor.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	52,423	52,423							
Construction - County Funded	150,000		150,000						
Inspectors - County	207,302	207,302							
Overhead	66,000	16,000	50,000						
Total Cost:	475,725	275,725	200,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	53,300	33,300	20,000						
Trans from W/S System Develop	422,425	242,425	180,000						
Total Cost:	475,725	275,725	200,000						



Capital Project Summary

Capital Project Number: WS1054

Activity #:

Capital Project Title: New Market West WTP Bypass

Region: New Market

Asset Category: Water & Sewer

Est Completion Date: 10/1/2020

Asset Type: Maintenance

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

The project includes design and construction services required to install a 12" water main bypass around the New Market West Water Treatment Plant that is no longer in operation.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	42,000		42,000						
Construction - County Funded	110,000		110,000						
Inspectors - County	7,000		7,000						
Overhead	41,000		41,000						
Total Cost:	200,000		200,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	200,000		200,000						
Total Cost:	200,000		200,000						



Capital Project Summary

Capital Project Number: WS1101

Activity #: 81786.3999.01

Capital Project Title: DUSWM Maintenance Systemics - Ballenger Wastewater

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 6/27/2025

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

This project anticipates maintenance/systemic needs required for aging County wastewater systems in the Ballenger-McKinney WWTP service area: roof replacement, pavement repair/overlay/sealcoating, large HVAC replacement/upgrade, generator repair/replacement, building envelope improvements such as door and window replacements, large pump repairs/replacement, plant and pump station controls/PLC replacement/upgrades, large component treatment works piping and equipment repair/replacement, pump repair/replacement, low pressure system replacements/upgrades. For FY2020, priority is the MBR Permeate Pipe Replacement at Ballenger-McKinney WWTP.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	764,000	100,000	104,000	108,000	110,000	112,000	115,000	115,000	
Construction - County Funded	1,850,000	350,000	250,000	250,000	250,000	250,000	250,000	250,000	
Overhead	70,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
Total Cost:	2,684,000	460,000	364,000	368,000	370,000	372,000	375,000	375,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	2,684,000	460,000	364,000	368,000	370,000	372,000	375,000	375,000	
Total Cost:	2,684,000	460,000	364,000	368,000	370,000	372,000	375,000	375,000	



Capital Project Summary

Capital Project Number: WS1102

Activity #: 81782.3999.01

Capital Project Title: DUSWM Maintenance Systemics - Small Systems Wastewater

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date:

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

This project anticipates maintenance/systemic needs required for aging County wastewater systems outside the Ballenger-McKinney WWTP service area. These regional systems are considered "small systems": roof replacement, pavement repair/replacement, generator repair/replacement, building envelope improvements such as door and window replacements, pump repairs/replacements, plant and pump station controls/PLC replacement/upgrades, treatment works piping and equipment repair/replacement, low pressure sewer system replacement/upgrades. For FY2020, priorities are evaluation and repairs to the Point of Rocks and Crestview WWTPs and the Knoxville low pressure sewer system.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	889,000	125,000	139,000	125,000	125,000	125,000	125,000	125,000	
Construction - County Funded	2,465,000	300,000	915,000	250,000	250,000	250,000	250,000	250,000	
Overhead	166,000	10,000	106,000	10,000	10,000	10,000	10,000	10,000	
Total Cost:	3,520,000	435,000	1,160,000	385,000	385,000	385,000	385,000	385,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	3,520,000	435,000	1,160,000	385,000	385,000	385,000	385,000	385,000	
Total Cost:	3,520,000	435,000	1,160,000	385,000	385,000	385,000	385,000	385,000	



Capital Project Summary

Capital Project Number: WS1108

Activity #: 81581.3999.01

Capital Project Title: DUSWM Maintenance Systemics - Water

Region: Countywide

Asset Category: Water & Sewer

Est Completion Date: 6/27/2025

Asset Type: Maintenance

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

This project anticipates maintenance/systemic needs required for aging County water systems: roof replacement, pavement repair/overlay/sealcoating, larger HVAC replacement/upgrade, generator repair/replacement, building envelope improvements such as door and window replacements, large meter replacements, large pump repairs/replacement, plant and station controls/PLC replacement/upgrades, and water storage tank repairs. For FY 2020, priorities are East County BPS 3rd pump, Ball Road BPS pump and controls replacement; Cambridge Farms Water Storage Tank rehabilitation; East County PS PLC replacement; and initiation of the Commercial Meter replacement program.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	1,015,000	250,000	125,000	125,000	125,000	130,000	130,000	130,000	
Construction - County Funded	2,416,000	680,000	450,000	250,000	250,000	262,000	262,000	262,000	
Overhead	70,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
Total Cost:	3,501,000	940,000	585,000	385,000	385,000	402,000	402,000	402,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from W/S Cash Fund	3,501,000	940,000	585,000	385,000	385,000	402,000	402,000	402,000	
Total Cost:	3,501,000	940,000	585,000	385,000	385,000	402,000	402,000	402,000	

SOLID WASTE

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
SOLID WASTE**

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Solid Waste										
DUSWM Maintenance Systemics - Solid Waste	1,260,000	1,260,000	0	210,000	210,000	210,000	210,000	210,000	210,000	0
Yard Waste Pad Resurfacing	63,000	863,000	800,000	63,000	0	0	0	0	0	0
Rehabilitation of Reichs Ford Road Landfill Roller-Compacted Concrete Dam	555,000	555,000	0	555,000	0	0	0	0	0	0
Total: Solid Waste	1,878,000	2,678,000	800,000	828,000	210,000	210,000	210,000	210,000	210,000	0
Total Expense	1,878,000	2,678,000	800,000	828,000	210,000	210,000	210,000	210,000	210,000	0

FUNDING

Enterprise Fee & Bonds	1,783,000	2,583,000	800,000	733,000	210,000	210,000	210,000	210,000	210,000	0
Other	0	95,000	95,000	0	0	0	0	0	0	0
Total Funding Source	1,783,000	2,678,000	895,000	733,000	210,000	210,000	210,000	210,000	210,000	0



Capital Project Summary

Capital Project Number: SW1004

Activity #:

Capital Project Title: DUSWM Maintenance Systemics - Solid Waste

Region: Countywide

Asset Category: Solid Waste

Est Completion Date: 6/27/2025

Asset Type: Solid Waste

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

This project anticipates maintenance/systemic needs required for aging County Landfill systems: roof replacement, pavement repair/replacement, generator repair/replacement, building envelope improvements such as door and window replacements, crane repairs/replacements, scale repairs/replacements, stormwater pump repair/replacement, pump station control/PLC replacement/upgrades.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	450,000		75,000	75,000	75,000	75,000	75,000	75,000	
Construction	750,000		125,000	125,000	125,000	125,000	125,000	125,000	
Overhead	60,000		10,000	10,000	10,000	10,000	10,000	10,000	
Total Cost:	1,260,000		210,000	210,000	210,000	210,000	210,000	210,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Solid Waste Oper Fu	1,260,000		210,000	210,000	210,000	210,000	210,000	210,000	
Total Cost:	1,260,000		210,000	210,000	210,000	210,000	210,000	210,000	



Capital Project Summary

Capital Project Number: SW1005

Activity #: L1106.9999.01

Capital Project Title: Yard Waste Pad Resurfacing

Region: Countywide

Asset Category: Solid Waste

Est Completion Date: 10/25/2019

Asset Type: Solid Waste

Year Identified: 2019

Capital Project Status: In Progress

Capital Project Description:

This project includes the removal of the existing pad and construction of a new hot mix asphalt surface at the Landfill's yard waste facility. New surface thickness is assumed to be 8-inches (2-4" lifts) in order to provide additional resistance to expected equipment movements and loadings.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	70,000	70,000							
Construction	763,000	700,000	63,000						
Inspectors - County	10,000	10,000							
Project Management	20,000	20,000							
Total Cost:	863,000	800,000	63,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Solid Waste Oper Fu	863,000	800,000	63,000						
Total Cost:	863,000	800,000	63,000						



Capital Project Summary

Capital Project Number: SW1006

Activity #:

Capital Project Title: Rehabilitation of Reichs Ford Road Landfill Roller-Compacted Concrete Dam

Region: Countywide

Asset Category: Solid Waste

Est Completion Date: 6/30/2020

Asset Type: Solid Waste

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

Construction of the Reichs Ford Road Landfill Stormwater Diversion Project (Bid No. 94-31) was completed in 1996 at a total construction cost of approximately \$1.85 million. Of this total, a portion of the project included the construction of roller-compacted concrete dam (RCC Dam) for stormwater retention of East Boyer Run that was valued at approximately \$800,000. Following the completion of an engineering inspection as required by MD Dam Safety of the RCC Dam in 2018, certain maintenance improvements were recommended. The primary study recommendation was to scale deteriorated concrete from the downstream face of the dam and to seal the RCC surface with shotcrete and as a result, certain engineering services were secured to prepare bid specifications and drawings for same. (Note: The construction estimate has been prepared without the engineering having been completed and is subject to change.)

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	95,000		95,000						
Construction	460,000		460,000						
Total Cost:	555,000		555,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Cap Contr - Developer	95,000		95,000						
Trans from Solid Waste Oper Fu	460,000		460,000						
Total Cost:	555,000		555,000						

FREDERICK COMMUNITY COLLEGE

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
COMMUNITY COLLEGE**

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Community College										
Athletic Center Addition/Renovation (Bldg D)	710,000	11,071,250	0	0	0	0	0	0	710,000	10,361,250
Linganore Hall (Bldg L) Renovation/Addition	10,315,500	10,315,500	0	897,000	6,216,210	3,202,290	0	0	0	0
Building E - Renovation/Addition	2,538,000	5,379,492	2,841,492	2,538,000	0	0	0	0	0	0
Annapolis Hall - Renovation	1,794,000	1,794,000	0	1,000,000	794,000	0	0	0	0	0
Technology Upgrade	700,000	700,000	0	300,000	300,000	100,000	0	0	0	0
Classroom Technology Upgrades	300,000	300,000	0	150,000	150,000	0	0	0	0	0
FCC Systemics	6,102,000	6,952,000	0	1,017,000	1,017,000	1,017,000	1,017,000	1,017,000	1,017,000	850,000
Total: Community College	22,459,500	36,512,242	2,841,492	5,902,000	8,477,210	4,319,290	1,017,000	1,017,000	1,727,000	11,211,250
Total Expense	22,459,500	36,512,242	2,841,492	5,902,000	8,477,210	4,319,290	1,017,000	1,017,000	1,727,000	11,211,250
FUNDING										
General Fund	3,144,000	3,852,275	233,992	725,000	1,219,000	375,000	275,000	275,000	275,000	474,283
General Fund Bonds & Capital Lease	10,603,220	17,856,112	2,318,225	2,136,680	3,777,132	2,151,008	742,000	742,000	1,054,400	4,934,667
Grants	8,712,280	14,803,855	289,275	3,040,320	3,481,078	1,793,282	0	0	397,600	5,802,300
Total Funding Source	22,459,500	36,512,242	2,841,492	5,902,000	8,477,210	4,319,290	1,017,000	1,017,000	1,727,000	11,211,250



Capital Project Summary

Capital Project Number: FC1023

Activity #:

Capital Project Title: Athletic Center Addition/Renovation (Bldg D)

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2016

Capital Project Status: Active

Capital Project Description:

Constructed in 1969, the Athletics Center presents several safety and ADA accessibility challenges. The main interior spaces are original to the building making them unsafe and non-ADA compliant. As the largest gathering space on campus, and the only campus venue that can accommodate more than 410 people for an event, the space is used for Commencement, intercollegiate sports, and many community events. It is critical that the facility is brought up to current life safety and ADA code compliance. A renovation of the existing building along with an addition would address the necessary life safety and ADA issues as well as provide additional general education classrooms, formal and informal student and team support spaces, improved locker room facilities, and faculty, staff and coaching office areas.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction - State's Share	6,199,900							397,600	5,802,300
Construction - County's Share	4,871,350							312,400	4,558,950
Total Cost:	11,071,250							710,000	10,361,250

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
MD FCC - Capital Project	6,199,900							397,600	5,802,300
Trans from General Fund	224,283								224,283
General Obligation Bonds	4,647,067							312,400	4,334,667
Total Cost:	11,071,250							710,000	10,361,250



Capital Project Summary

Capital Project Number: FC2006

Activity #:

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: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Architect/Engineering	0								
Construction	0								
Capital - Furniture / Equipmen	0								
A&E - State's Share	502,320		502,320						
Construction - State's Share	5,274,360			3,481,078	1,793,282				
A&E - County's Share	394,680		394,680						
Construction - County's Share	4,144,140			2,735,132	1,409,008				
Total Cost:	10,315,500		897,000	6,216,210	3,202,290				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
MD FCC - Capital Project	5,776,680		502,320	3,481,078	1,793,282				
Trans from General Fund	200,000			200,000					
General Obligation Bonds	4,338,820		394,680	2,535,132	1,409,008				
Total Cost:	10,315,500		897,000	6,216,210	3,202,290				



Capital Project Summary

Capital Project Number: FC2007

Activity #: C6006.6006.02

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: In Progress

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 County's portion of construction was funded in FY2019

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
A&E - State's Share	289,275	289,275							
Construction - State's Share	2,538,000		2,538,000						
A&E - County's Share	218,225	218,225							
Construction - County's Share	2,333,992	2,333,992							
Total Cost:	5,379,492	2,841,492	2,538,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
MD FCC - Capital Project	2,827,275	289,275	2,538,000						
Trans from General Fund	233,992	233,992							
General Obligation Bonds	2,318,225	2,318,225							
Total Cost:	5,379,492	2,841,492	2,538,000						



Capital Project Summary

Capital Project Number: FC2008

Activity #:

Capital Project Title: Annapolis Hall - Renovation

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2018

Capital Project Status: Active

Capital Project Description:

This project will reconfigure and enhance outdated classrooms located on the first floor, upgrade the Services for Student with Disabilities and Veteran Services offices, and modify administrative offices. The project would also address deferred maintenance issues including LED light fixture upgrades, restroom renovations, fire panel replacement, elevator upgrades, and ADA accessibility improvements.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction - County Funded	1,794,000		1,000,000	794,000					
Total Cost:	1,794,000		1,000,000	794,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	294,000			294,000					
General Obligation Bonds	1,500,000		1,000,000	500,000					
Total Cost:	1,794,000		1,000,000	794,000					



Capital Project Summary

Capital Project Number: FC5007

Activity #:

Capital Project Title: Technology Upgrade

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

Upgrade PeopleSoft Student, HR, and Finance systems

*Prior Approval is tracked in a separate project

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital Appropriations	700,000		300,000	300,000	100,000				
Total Cost:	700,000		300,000	300,000	100,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	700,000		300,000	300,000	100,000				
Total Cost:	700,000		300,000	300,000	100,000				



Capital Project Summary

Capital Project Number: FC5008

Activity #:

Capital Project Title: Classroom Technology Upgrades

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2014

Capital Project Status: Active

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.

Prior Budget is tracked in a separate project

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Capital Appropriations	300,000		150,000	150,000					
Total Cost:	300,000		150,000	150,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	300,000		150,000	150,000					
Total Cost:	300,000		150,000	150,000					



Capital Project Summary

Capital Project Number: FC5012

Activity #:

Capital Project Title: FCC Systemics

Region:

Asset Category: Community College

Est Completion Date:

Asset Type: Community College

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

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

Prior Budget is tracked in a separate project

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Construction - County's Share	6,952,000		1,017,000	1,017,000	1,017,000	1,017,000	1,017,000	1,017,000	850,000
Total Cost:	6,952,000		1,017,000	1,017,000	1,017,000	1,017,000	1,017,000	1,017,000	850,000

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	1,900,000		275,000	275,000	275,000	275,000	275,000	275,000	250,000
General Obligation Bonds	5,052,000		742,000	742,000	742,000	742,000	742,000	742,000	600,000
Total Cost:	6,952,000		1,017,000	1,017,000	1,017,000	1,017,000	1,017,000	1,017,000	850,000

BOARD OF EDUCATION

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
BOARD OF EDUCATION**

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
New/Moderernizations										
Waverley ES: Replacement/Addition	54,502,883	59,239,742	4,736,859	0	9,502,000	45,000,883	0	0	0	0
Urbana ES: Replacement	31,628,665	46,139,665	14,511,000	31,628,665	0	0	0	0	0	0
North Frederick City Area ES: New	45,898,492	45,898,492	0	0	0	0	3,186,369	6,421,122	36,291,001	0
Butterfly Ridge ES: New	0	45,586,732	45,586,732	0	0	0	0	0	0	0
Liberty ES: Modernization	10,051,600	40,946,742	200,000	0	0	0	0	4,193,000	5,858,600	30,695,142
East County area ES: New	40,670,484	43,740,408	3,069,924	10,000,000	30,670,484	0	0	0	0	0
New Elementary School (placeholder)	45,898,492	45,898,492	0	0	0	3,186,369	6,421,122	36,291,001	0	0
Rock Creek School: Replacement	44,636,892	48,389,313	3,752,421	18,500,000	26,136,892	0	0	0	0	0
Brunswick HS: Modernization/Addition	90,858,800	91,058,800	200,000	0	0	0	8,769,500	0	82,089,300	0
Middletown HS: Renovation	200,000	110,587,660	0	0	200,000	0	0	0	0	110,387,660
Oakdale MS: Addition	13,951,216	14,751,216	800,000	13,451,216	500,000	0	0	0	0	0
MS: Addition/Renovation (placeholder)	200,000	200,000	0	0	0	200,000	0	0	0	0
Total: New/Moderernizations	378,497,524	592,437,262	72,856,936	73,579,881	67,009,376	48,387,252	18,376,991	46,905,123	124,238,901	141,082,802
Systemic										
Systemics - Generic	30,847,400	35,375,300	0	7,372,900	4,694,900	4,694,900	4,694,900	4,694,900	4,694,900	4,527,900
IT Equipment Replacement	500,000	1,400,000	900,000	500,000	0	0	0	0	0	0
Portable Classrooms FY2020	3,600,000	3,600,000	0	600,000	600,000	600,000	600,000	600,000	600,000	0
Total: Systemic	34,947,400	40,375,300	900,000	8,472,900	5,294,900	5,294,900	5,294,900	5,294,900	5,294,900	4,527,900
Total Expense	413,444,924	632,812,562	73,756,936	82,052,781	72,304,276	53,682,152	23,671,891	52,200,023	129,533,801	145,610,702
FUNDING										
General Fund	5,580,000	10,642,255	983,280	1,180,000	1,680,000	680,000	680,000	680,000	680,000	4,078,975
General Fund Bonds & Capital Lease	120,793,036	234,332,879	30,992,990	21,240,203	15,510,538	13,114,900	8,425,845	9,414,565	53,086,985	82,546,853
Recordation Tax & Bonds	28,245,590	37,967,090	3,721,500	6,237,669	9,307,921	6,700,000	3,000,000	500,000	2,500,000	6,000,000
Impact Fee & Bonds	99,298,076	109,369,818	10,071,742	16,337,324	13,950,298	10,744,732	8,825,395	24,440,327	25,000,000	0
School Mitigation Fee	13,000,000	19,729,424	6,729,424	3,000,000	7,000,000	3,000,000	0	0	0	0
Grants	93,034,600	108,207,600	15,173,000	18,034,600	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	0
Other	53,493,622	112,263,496	5,785,000	16,022,985	9,855,519	4,442,520	(12,259,349)	2,165,131	33,266,816	52,984,874
Total Funding Source	413,444,924	632,512,562	73,456,936	82,052,781	72,304,276	53,682,152	23,671,891	52,200,023	129,533,801	145,610,702



Capital Project Summary

Capital Project Number: ED0010

Activity #:

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: Active

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.

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
MD BOE - Capital Project	75,000,000			15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	
MD BOE - Unallocated	0								
General Obligation Bonds	0								
Bonds - Forward Funding	0								
MD BOE - Cash Forward Funding	-75,000,000			-15,000,000	-15,000,000	-15,000,000	-15,000,000	-15,000,000	
Total Cost:	0								



Capital Project Summary

Capital Project Number: ED1009

Activity #: C1604.1604.02

Capital Project Title: Waverley ES: Replacement/Addition

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2010

Capital Project Status: In Progress

Capital Project Description:

After a revision from the Maryland Department of Planning in March 2014, Waverley ES has a SRC of 416 and is currently operating at 116% of SRC with 17 portables. A feasibility study was completed in March 2018. The Board of Education approved the recommendation to replace the school on site with a larger school having an SRC of 1019. The larger size is required to meet the capacity needs on the west side of Frederick City. No other school site is available in this area of the County. The school will have grades preK-5 and have space to provide additional student support services such as reading and math intervention and ELL programs.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	0								
Architect/Engineering	0								
Construction	0								
Capital Approp Equipment	0								
Site Work- State's Share	3,694,079			3,694,079					
Construction - State's Share	19,442,520				19,442,520				
Site Work - County's Share	3,950,229			3,950,229					
A&E - County's Share	2,300,000	2,809,000		-509,000					
Construction - County's Share	27,754,555	1,829,500		2,366,692	23,558,363				
Equipment - County's Share	2,000,000				2,000,000				
Studies - County's Share	98,359	98,359							
Total Cost:	59,239,742	4,736,859		9,502,000	45,000,883				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	0								
Trans from Impact Fee	15,258,363	2,000,000		5,700,000	7,558,363				
Trans from School Mitigation	3,659,500	659,500			3,000,000				
Trans from School Construction	4,685,280	2,077,359		107,921	2,500,000				
General Obligation Bonds	8,500,000				8,500,000				
Recordation Tax Bonds	4,000,000				4,000,000				
Bonds - Forward Funding	0								
MD BOE - Cash Forward Funding	23,136,599			3,694,079	19,442,520				
Total Cost:	59,239,742	4,736,859		9,502,000	45,000,883				



Capital Project Summary

Capital Project Number: ED1017

Activity #: C1605.1605.02

Capital Project Title: Urbana ES: Replacement

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2010

Capital Project Status: In Progress

Capital Project Description:

Urbana ES 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	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	0								
Architect/Engineering	0								
Construction	0								
Capital Approp Equipment	0								
Site Work- State's Share	2,902,000	2,875,427	26,573						
Construction - State's Share	15,273,000		15,273,000						
Site Work - County's Share	2,854,134	2,880,707	-26,573						
A&E - County's Share	1,400,000	2,163,000	-763,000						
Construction - County's Share	21,810,531	6,591,866	15,218,665						
Equipment - County's Share	1,900,000		1,900,000						
Total Cost:	46,139,665	14,511,000	31,628,665						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
MD BOE - Capital Project	10,902,000	2,902,000	8,000,000						
Trans from Impact Fee	3,000,000		3,000,000						
Trans from School Mitigation	4,000,000	3,000,000	1,000,000						
Trans from School Construction	1,950,000		1,950,000						
General Obligation Bonds	19,014,665	8,609,000	10,405,665						
Bonds - Forward Funding	0								
MD BOE - Cash Forward Funding	7,273,000		7,273,000						
Total Cost:	46,139,665	14,511,000	31,628,665						



Capital Project Summary

Capital Project Number: ED1022

Activity #:

Capital Project Title: North Frederick City Area ES: New

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2010

Capital Project Status: Active

Capital Project Description:

This project will construct a new elementary school to relieve overcrowding at Monocacy ES, North Frederick ES and/or Walkersville ES and to serve a new annexation approved by Frederick City on the north side of town. Monocacy ES is currently operating at 105% of SRC, North Frederick ES at 95% with 10 portables and Walkersville ES at 102% of capacity. This school is expected to be located in the Tuscarora Crossing development located on Walter Martz Road on a site dedicated through the development approval process. The new school will have a capacity of 700 students.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Work- State's Share	2,740,651						2,740,651		
Construction - State's Share	14,424,480							14,424,480	
Site Work - County's Share	3,180,471						3,180,471		
A&E - County's Share	1,854,246					1,854,246			
Construction - County's Share	21,798,644					1,332,123	500,000	19,966,521	
Equipment - County's Share	1,900,000							1,900,000	
Total Cost:	45,898,492					3,186,369	6,421,122	36,291,001	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Impact Fee	21,385,251					3,144,924	3,240,327	15,000,000	
General Obligation Bonds	7,348,110					41,445	440,144	6,866,521	
MD BOE - Cash Forward Funding	17,165,131						2,740,651	14,424,480	
Total Cost:	45,898,492					3,186,369	6,421,122	36,291,001	



Capital Project Summary

Capital Project Number: ED1023

Activity #: C1603.1603.02

Capital Project Title: Butterfly Ridge ES: New

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2013

Capital Project Status: In Progress

Capital Project Description:

This project primarily relieves overcrowding at Hillcrest, Waverley and Orchard Grove elementary schools. The approved redistricting associated with the establishment of the BRES attendance area also revised 8 elementary, 4 middle and 2 high school attendance areas. 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, which is located on Butterfly Lane. The new school will have a state rated capacity (SRC) of 725 students and will open in August 2018. **The park school portion of this project is budgeted PR3501

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	0								
Architect/Engineering	0								
Construction	0								
Capital Approp Equipment	0								
Site Work- State's Share	2,671,000	2,671,000							
Construction - State's Share	15,001,000	15,001,000							
Site Work - County's Share	6,390,522	6,390,522							
A&E - County's Share	3,279,549	3,279,549							
Construction - County's Share	16,344,661	16,344,661							
Equipment - County's Share	1,900,000	1,900,000							
Total Cost:	45,586,732	45,586,732							

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
MD BOE - Capital Project	17,616,000	12,271,000	5,345,000						
MD BOE - Unallocated	0								
Trans from General Fund	250,000	250,000							
Trans from Impact Fee	7,271,742	7,271,742							
General Obligation Bonds	20,008,990	20,008,990							
MD BOE - Cash Forward Funding	440,000	5,785,000	-5,345,000						
Total Cost:	45,586,732	45,586,732							



Capital Project Summary

Capital Project Number: ED1025

Activity #: C1606.1606.02

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: Active

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 expected to be completed in April 2019.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies / Surveys	0								
Site Improvement - NonBldg	0								
Architect/Engineering	0								
Construction	0								
Capital Approp Equipment	0								
Site Work- State's Share	1,984,870							1,984,870	
Construction - State's Share	10,446,682								10,446,682
Site Work - County's Share	2,848,730							2,848,730	
A&E - County's Share	1,862,000						1,862,000		
Construction - County's Share	22,389,460						2,331,000	1,025,000	19,033,460
Equipment - County's Share	1,215,000								1,215,000
Studies - County's Share	200,000	200,000							
Total Cost:	40,946,742	200,000					4,193,000	5,858,600	30,695,142

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	0								
Trans from Impact Fee	1,000,000						1,000,000		
Trans from School Construction	2,700,000	200,000					500,000		2,000,000
General Obligation Bonds	22,815,190						2,693,000	3,873,730	16,248,460
Recordation Tax Bonds	2,000,000								2,000,000
Bonds - Forward Funding	0								
MD BOE - Cash Forward Funding	12,431,552							1,984,870	10,446,682
Total Cost:	40,946,742	200,000					4,193,000	5,858,600	30,695,142



Capital Project Summary

Capital Project Number: ED1030

Activity #: C1607.1607.02

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: In Progress

Capital Project Description:

This will be a new 700 SRC elementary school on a site dedicated in the Hamptons West neighborhood of the Linganore PUD. This project was formerly referred to as Linganore area ES. The school will be approximately 93,000 sq. ft. and utilize our current prototype design.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	0								
Architect/Engineering	0								
Construction	0								
Capital Approp Equipment	0								
Site Work- State's Share	2,760,227		2,760,227						
Construction - State's Share	14,527,512			14,527,512					
Site Work - County's Share	2,781,982		2,781,982						
A&E - County's Share	2,082,704	1,826,616	256,088						
Construction - County's Share	19,687,983	1,243,308	4,201,703	14,242,972					
Equipment - County's Share	1,900,000			1,900,000					
Total Cost:	43,740,408	3,069,924	10,000,000	30,670,484					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	0								
Trans from Impact Fee	11,382,764		3,632,466	7,750,298					
Trans from School Mitigation	12,069,924	3,069,924	2,000,000	7,000,000					
General Obligation Bonds	2,999,981		1,607,307	1,392,674					
Bonds - Forward Funding	0								
MD BOE - Cash Forward Funding	17,287,739		2,760,227	14,527,512					
Total Cost:	43,740,408	3,069,924	10,000,000	30,670,484					



Capital Project Summary

Capital Project Number: ED1031

Activity #:

Capital Project Title: New Elementary School (placeholder)

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

Residential growth and elementary school enrollments will be monitored closely over the next several years to determine the appropriate location for additional capacity.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Work- State's Share	2,740,651					2,740,651			
Construction - State's Share	14,424,480						14,424,480		
Site Work - County's Share	3,180,471					3,180,471			
A&E - County's Share	1,854,246				1,854,246				
Construction - County's Share	21,798,644				1,332,123	500,000	19,966,521		
Equipment - County's Share	1,900,000						1,900,000		
Total Cost:	45,898,492				3,186,369	6,421,122	36,291,001		

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Impact Fee	27,066,840				3,186,369	3,680,471	20,200,000		
General Obligation Bonds	1,666,521						1,666,521		
MD BOE - Cash Forward Funding	17,165,131					2,740,651	14,424,480		
Total Cost:	45,898,492				3,186,369	6,421,122	36,291,001		



Capital Project Summary

Capital Project Number: ED1040

Activity #: C1500.1500.02

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: In Progress

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 Board of Education approved this recommendation and subsequently approved the Walkersville MS campus as the site for the replacement of Rock Creek School. The design phase of the project, funded in FY18, began with the final site selection with design immediately following.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Improvement - NonBldg	0								
Architect/Engineering	0								
Construction	0								
Capital Approp Equipment	0								
Site Work- State's Share	2,175,120		2,175,120						
Construction - State's Share	11,448,000		3,324,880	8,123,120					
Site Work - County's Share	3,787,669		3,787,669						
A&E - County's Share	1,600,000	1,775,000	-175,000						
Construction - County's Share	25,245,244	1,844,141	9,387,331	14,013,772					
Equipment - County's Share	4,000,000			4,000,000					
Studies - County's Share	133,280	133,280							
Total Cost:	48,389,313	3,752,421	18,500,000	26,136,892					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
MD BOE - Capital Project	2,011,600		2,011,600						
Trans from General Fund	1,133,280	133,280		1,000,000					
Trans from School Construction	8,031,810	1,244,141	1,787,669	5,000,000					
General Obligation Bonds	16,490,295	2,375,000	4,612,331	9,502,964					
Recordation Tax Bonds	6,500,000		2,500,000	4,000,000					
Bonds - Forward Funding	0								
MD BOE - Cash Forward Funding	14,222,328		7,588,400	6,633,928					
Total Cost:	48,389,313	3,752,421	18,500,000	26,136,892					



Capital Project Summary

Capital Project Number: ED1041

Activity #: C1802.1802.02

Capital Project Title: Brunswick HS: Modernization/Addition

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2019

Capital Project Status: Active

Capital Project Description:

FCPS completed a system wide assessment of its instructional facilities that confirmed that Brunswick HS is in need of modernization, both in terms of its instructional function as well as its physical condition. Brunswick HS was originally constructed in 1965 with additions in 1979, 1983 and 1993. Other than a small 2,000 sq ft renovation in 1983, there have been no other significant improvements to the building. In addition, a new development, Brunswick Crossing has been approved with 1,500 dwelling units. It is currently projected that these additional dwelling units will generate approximately 195 additional high school students at BHS. A feasibility study is expected to be completed in May 2019.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Work- State's Share	1,517,022							1,517,022	
Construction - State's Share	30,340,444							30,340,444	
Site Work - County's Share	1,932,324							1,932,324	
A&E - County's Share	4,693,000					4,693,000			
Construction - County's Share	46,376,010					4,076,500		42,299,510	
Equipment - County's Share	6,000,000							6,000,000	
Studies - County's Share	200,000	200,000							
Total Cost:	91,058,800	200,000				8,769,500		82,089,300	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Impact Fee	12,000,000					2,000,000		10,000,000	
Trans from School Construction	5,700,000	200,000				3,000,000		2,500,000	
General Obligation Bonds	41,501,334					3,769,500		37,731,834	
MD BOE - Cash Forward Funding	31,857,466							31,857,466	
Total Cost:	91,058,800	200,000				8,769,500		82,089,300	



Capital Project Summary

Capital Project Number: ED1042

Activity #:

Capital Project Title: Middletown HS: Renovation

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2013

Capital Project Status: Active

Capital Project Description:

Middletown HS opened in 1974 with an addition in 1988. There was a limited renovation of approximately 8,000 sq. ft. in 1988. The project will completely modernize the facility. A feasibility study to determine the scope of work is planned for FY21.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Work- State's Share	6,791,812								6,791,812
Construction - State's Share	35,746,380								35,746,380
Site Work - County's Share	6,957,907								6,957,907
A&E - County's Share	5,167,000								5,167,000
Construction - County's Share	50,264,561								50,264,561
Equipment - County's Share	5,460,000								5,460,000
Studies - County's Share	200,000			200,000					
Total Cost:	110,587,660			200,000					110,387,660

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	4,000,000								4,000,000
Trans from School Construction	2,200,000			200,000					2,000,000
General Obligation Bonds	61,849,468								61,849,468
MD BOE - Cash Forward Funding	42,538,192								42,538,192
Total Cost:	110,587,660			200,000					110,387,660



Capital Project Summary

Capital Project Number: ED1043

Activity #: C1701.1701.02

Capital Project Title: Oakdale MS: Addition

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2019

Capital Project Status: In Progress

Capital Project Description:

While the system-wide middle school state rated capacity (SRC) currently meets the Board's goal of 90% SRC, continued growth over the next ten years is likely to necessitate the addition of more middle school seats. This additional capacity will be located as an addition to Oakdale middle school. Oakdale MS is currently operating at 130% of state rated capacity with 3 portable classrooms. A future addition was anticipated when originally constructed and the core areas were sized for the ultimate build out.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Site Work- State's Share	598,158		598,158						
Construction - State's Share	3,148,200		3,148,200						
Site Work - County's Share	1,214,442		1,214,442						
A&E - County's Share	681,000	647,000	34,000						
Construction - County's Share	8,609,416	153,000	8,456,416						
Equipment - County's Share	500,000			500,000					
Total Cost:	14,751,216	800,000	13,451,216	500,000					

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from Impact Fee	6,808,858	800,000	5,508,858	500,000					
Impact Fee Bonds	4,196,000		4,196,000						
MD BOE - Cash Forward Funding	3,746,358		3,746,358						
Total Cost:	14,751,216	800,000	13,451,216	500,000					



Capital Project Summary

Capital Project Number: ED1044

Activity #:

Capital Project Title: MS: Addition/Renovation (placeholder)

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: New/Modernizations

Year Identified: 2020

Capital Project Status: Active

Capital Project Description:

While the system-wide middle school state rated capacity (SRC) currently meets the Board's goal of 90% SRC, continued growth over the next ten years is likely to necessitate the addition of more middle school seats. Residential growth and middle school enrollments will be monitored closely over the next several years to determine the appropriate location for additional capacity.

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Studies - County's Share	200,000				200,000				
Total Cost:	200,000				200,000				

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from School Construction	200,000				200,000				
Total Cost:	200,000				200,000				



Capital Project Summary

Capital Project Number: ED5001

Activity #: C1000.1000.02

Capital Project Title: Systemics - Generic

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: Systemic

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Capital Appropriations	0								
Construction - State's Share	2,678,000		2,678,000						
Construction - County's Share	32,697,300		4,694,900	4,694,900	4,694,900	4,694,900	4,694,900	4,694,900	4,527,900
Total Cost:	35,375,300		7,372,900	4,694,900	4,694,900	4,694,900	4,694,900	4,694,900	4,527,900

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
MD BOE - Capital Project	2,678,000		2,678,000						
Trans from General Fund	558,975		80,000	80,000	80,000	80,000	80,000	80,000	78,975
General Obligation Bonds	32,138,325		4,614,900	4,614,900	4,614,900	4,614,900	4,614,900	4,614,900	4,448,925
Total Cost:	35,375,300		7,372,900	4,694,900	4,694,900	4,694,900	4,694,900	4,694,900	4,527,900



Capital Project Summary

Capital Project Number: ED5801

Activity #: C1530.1530.02

Capital Project Title: IT Equipment Replacement

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: Systemic

Year Identified: 2019

Capital Project Status: In Progress

Capital Project Description:

The equipment replacements being requested are the work horses of the FCPS infrastructure. The computers and phones used every day connect to the access layer of a network. The distribution layer handles getting the data to the destination within the FCPS network and a number of other functions (e.g. quality, security, etc.). FCPS equipment does not reach any network or internet resource without traveling through this equipment. FCPS currently has 1,693 pieces of equipment handling access and distribution functions (excluding Wireless Access Points). Of this equipment, 843 devices were purchased in or prior-to 2011 and have not been supported by their manufacture for a long time or the company no longer exists.

****Partially Funded****

Cash Requirement Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Equipment - County's Share	1,100,000	600,000	500,000						
Capital Approp - Other Parties	300,000	300,000							
Total Cost:	1,400,000	900,000	500,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
BOE Operating to Capital	300,000	300,000							
Trans from General Fund	1,100,000	600,000	500,000						
Total Cost:	1,400,000	900,000	500,000						



Capital Project Summary

Capital Project Number: ED7012

Activity #:

Capital Project Title: Portable Classrooms FY2020

Region:

Asset Category: Board of Education

Est Completion Date:

Asset Type: Systemic

Year Identified: 2020

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Capital Appropriations	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	2020	2021	2022	2023	2024	2025	Costs After
Trans 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	

MUNICIPALITIES

**FY2020-2025 CAPITAL IMPROVEMENT PROGRAM
COUNTY EXECUTIVE PROPOSED
MUNICIPALITIES**

Project	6-Year	Total Project	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
City of Frederick										
Frederick Municipal Airport	631,583	1,122,132	490,549	153,389	116,569	101,250	97,042	83,333	80,000	0
Yellow Springs Rd Bridge	400,000	400,000	0	400,000	0	0	0	0	0	0
Total: City of Frederick	1,031,583	1,522,132	490,549	553,389	116,569	101,250	97,042	83,333	80,000	0
Total Expense	1,031,583	1,522,132	490,549	553,389	116,569	101,250	97,042	83,333	80,000	0
FUNDING										
General Fund	1,031,583	1,440,047	408,464	553,389	116,569	101,250	97,042	83,333	80,000	0
General Fund Bonds & Capital Lease	0	82,085	82,085	0	0	0	0	0	0	0
Total Funding Source	1,031,583	1,522,132	490,549	553,389	116,569	101,250	97,042	83,333	80,000	0



Capital Project Summary

Capital Project Number: MP1001

Activity #: C9000.9000.02

Capital Project Title: Frederick Municipal Airport

Region:

Asset Category: Municipalities

Est Completion Date:

Asset Type: City of Frederick

Year Identified: 2010

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Capital Appropriations	0								
Capital Approp - Other Parties	1,122,132	490,549	153,389	116,569	101,250	97,042	83,333	80,000	
Total Cost:	1,122,132	490,549	153,389	116,569	101,250	97,042	83,333	80,000	

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	1,040,047	408,464	153,389	116,569	101,250	97,042	83,333	80,000	
General Obligation Bonds	82,085	82,085							
Total Cost:	1,122,132	490,549	153,389	116,569	101,250	97,042	83,333	80,000	



Capital Project Summary

Capital Project Number: MP1012

Activity #:

Capital Project Title: Yellow Springs Rd Bridge

Region:

Asset Category: Municipalities

Est Completion Date:

Asset Type: City of Frederick

Year Identified: 2015

Capital Project Status: Active

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	2020	2021	2022	2023	2024	2025	Costs After
Construction	0								
Capital Approp - Other Parties	400,000		400,000						
Total Cost:	400,000		400,000						

Funding Schedule:

Categories	Project Total	Prior Budget	2020	2021	2022	2023	2024	2025	Costs After
Trans from General Fund	400,000		400,000						
Total Cost:	400,000		400,000						

APPENDIX

CAPITAL IMPROVEMENTS PROGRAM POLICIES

The Frederick County, Maryland Capital Improvement Program (CIP) is a schedule of public improvement projects planned by the 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 pay-go funding for capital improvements at an amount equal to 7% of General Fund operating revenues. All pay-go sources will be considered in total in reaching this goal except for direct third party donations or grants. Other capital funding will be obtained by general obligation bonds/leases state and federal grants, enterprise fund resources and other sources.
3. The Budget Office will annually review the County's debt affordability standards, update the study, and compare to the County's peer group. The results will be submitted to the County Executive for review.
4. 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.
5. 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.
6. 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.
 - OR
The project will meet long-term regulatory requirements

- b. The project will have an estimated 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. Multiple projects in a single category, that total \$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.
7. Eligible capital costs will include Land Acquisition, Site Improvements, Planning, Design, Construction, Inspection/Overhead, Technology Equipment/Infrastructure, Capital and Non-Capital Equipment/Vehicles (related to start-up costs or comprehensive replacement plan), and Project Management.
 8. 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.
 9. 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 and state concurrence on project documents.
 10. A project's construction bid process must be anticipated to begin in the upcoming fiscal year for it to be funded in the Capital Budget.
 11. 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 without any expenditure from or encumbrance of the appropriation. .
 12. All capital projects will be reviewed and approved in accordance with Annotated Code of Maryland Land Use Article § 3-205 regarding consistency with the County Comprehensive Plan. The Planning Commission will vote on the consistency based on the County Executive's proposed budget.

13. A Capital Improvements Program Committee shall be established and managed by the Budget Office. At a minimum a representative from the Budget Office, Finance Division, Planning and Permitting Division, and the County Executive's Office shall serve on the committee.
14. The Capital Improvements Program Committee will evaluate the merits of each requested project and recommend to the County Executive projects for inclusion in the County Executive Proposed Budget based on the following criteria:
 - 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.
 - h. The project meets regulatory requirements
15. Projects scheduled in previously approved CIP's should be considered when establishing priorities for future CIP programs.
16. Every project will have a designated division or agency responsible for the execution and management of the project. For projects funded under the categories of Community College, Board of Education, and Municipalities those respective organizations will be responsible for the execution and management of their projects.
17. Following adoption of the CIP a project may be split into "sub-projects" for tracking and accounting purposes. However, the adopted project will retain the definition of a "project" as it relates to County policies, the County Code, and the County Charter.
18. 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.

19. 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.
20. 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 #6 and #7.