

Overview of Public Works CIP

The Public Works FY 17 – 22 CIP includes two separate sections: Roads and Bridges.

Johnsville Road Sidewalk project will provide a connection to Eldersburg Elementary School, Liberty High School, residential neighborhoods, and the commercial corridor along MD 32 (Sykesville Road) via Bartholow Road. This project will be 80 percent funded for design and construction costs by the Safe Routes to School Program, administered by the Maryland Department of Transportation.

Approximately \$82.0 million is included in the FY 17 – 22 CIP to maintain roads throughout the County. Approximately thirty-five percent of the County's road network is considered mainline or arterial roads. These roads carry a higher traffic volume. Sixty-five percent are lower volume roadways, including neighborhood roads. Typical repair strategies include patching, overlay, mill and overlay, full depth reclamation and reconstruction.

Included in FY 17 – 22 is \$0.7 million to support State road projects. Contributing to State projects may expedite the planning process for State roads in Carroll County.

For additional information on these or other Public Works projects, please refer to the individual project pages.

COMMUNITY INVESTMENT PLAN FOR FISCAL YEARS 2017 TO 2022

	2017	2018	2019	2020	2021	2022	Prior Allocation	Balance to Complete	Total Project Cost
BRIDGES:									
Bear Run Road over Bear Branch	\$0	\$0	\$0	\$0	\$240,000	\$0	\$0	\$1,300,000	\$1,540,000
Bridge Inspection and Inventory	38,000	40,000	42,000	44,000	46,000	48,000	0	0	258,000
Bridge Maintenance and Structural Repairs	53,200	55,900	58,700	61,600	64,700	68,000	0	0	362,100
Cleaning and Painting of Existing Bridge Structural Steel	0	84,700	87,700	92,100	96,800	100,200	0	0	461,500
Gaither Road over South Branch Patapsco River	0	230,000	0	1,898,000	0	0	0	0	2,128,000
Hollingsworth Road over Unnamed Tributary	200,000	0	587,000	0	0	0	0	0	787,000
Stone Chapel Road over Little Pipe Creek	0	709,000	0	0	0	0	207,000	0	916,000
BRIDGES TOTAL	\$291,200	\$1,119,600	\$775,400	\$2,095,700	\$447,500	\$216,200	\$207,000	\$1,300,000	\$6,452,600
SOURCES OF FUNDING:									
Transfer from General Fund	\$91,200	\$180,600	\$188,400	\$197,700	\$207,500	\$216,200	\$0	\$0	\$1,081,600
Bonds	200,000	187,800	587,000	443,600	48,000	0	47,000	260,000	1,773,400
Federal Highway/Bridge	0	751,200	0	1,454,400	192,000	0	160,000	1,040,000	3,597,600
BRIDGES TOTAL	\$291,200	\$1,119,600	\$775,400	\$2,095,700	\$447,500	\$216,200	\$207,000	\$1,300,000	\$6,452,600

Bear Run Road over Bear Branch

District Location: 1

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Proj #

Functional Classification: Local
 Average Daily Traffic: 388
 Bridge Number: CL 261



This project provides planned funding to replace the existing three-cell-culvert structure, located in central Carroll County, west of Westminster. The type of structure will be determined based on an alternatives analysis.

This project qualifies for Federal aid funding, which covers 80% of the engineering, administrative, and construction costs.

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					240,000				240,000
Land Acquisition									0
Site Work								100,000	100,000
Construction								1,015,000	1,015,000
Equipment/Furnishings									0
Other								185,000	185,000
EXPENDITURES									

TOTAL	0	0	0	0	240,000	0	0	1,300,000	1,540,000
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SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Bonds					48,000			260,000	308,000
Federal Highway/Bridge					192,000			1,040,000	1,232,000

PROJECTED OPERATING IMPACTS						
	0	0	0	0	0	0

Bridge Inspection and Inventory

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9684

This project provides ongoing funding for the inspection of 21 small structures that do not qualify for Federal funds. The 21 small structures are inspected on the same two-year cycle as the 132 major County-maintained structures. The project includes biennial field inspections as well as completion and submission of inspection reports to the County.

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	38,000	40,000	42,000	44,000	46,000	48,000			258,000
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	38,000	40,000	42,000	44,000	46,000	48,000	0	0	258,000
SOURCES OF FUNDS									
Transfer from General Fund	38,000	40,000	42,000	44,000	46,000	48,000			258,000
Local Income Tax									0
Property Tax									0
Bonds									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Bridge Maintenance and Structural Repairs

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9882

This project provides ongoing funding for preventive maintenance and small repairs to County-maintained bridges including deck joint replacements, structural steel repairs, concrete patching, sediment removal, stream channel stabilization, traffic barrier replacement, and approach roadway repairs.

Recent projects include seal replacements on six bridges and repairs to the millrace on Starner's Dam Road.

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	53,200	55,900	58,700	61,600	64,700	68,000			362,100
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	53,200	55,900	58,700	61,600	64,700	68,000	0	0	362,100
SOURCES OF FUNDS									
Transfer from General Fund	53,200	55,900	58,700	61,600	64,700	68,000			362,100
Local Income Tax									0
Property Tax									0
Bonds									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Cleaning and Painting of Existing Bridge Structural Steel

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9686

This project provides ongoing funding for cleaning and painting of existing structural steel. Cleaning and painting slows deterioration and extends the useful life of steel structures.

Cleaning and painting the structural steel on the following bridges was completed in 2015:

- McKinstry's Mill Road over Little Pipe Creek
- Mumma Ford Road over Monocacy River
- Winters Church Road over Little Pipe Creek
- Grimville Road over Gillis Falls
- Woodbine Road over South Branch Patapsco River

This project qualifies for Federal aid funding, which covers 80% of the engineering, administrative, and construction costs.

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		18,700	19,700	20,700	21,800	22,900			103,800
Land Acquisition									0
Site Work									0
Construction		66,000	68,000	71,400	75,000	77,300			357,700
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	0	84,700	87,700	92,100	96,800	100,200	0	0	461,500
SOURCES OF FUNDS									
Transfer from General Fund		84,700	87,700	92,100	96,800	100,200			461,500
Local Income Tax									0
Property Tax									0
Bonds									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Gaither Road over South Branch Patapsco River

District Location: border of 4 and 5

Heidi K. Pepin, Senior Budget Analyst (410) 386-2082

Proj #

Functional Classification: Minor Collector
 Average Daily Traffic: 1,190
 Bridge Number: CL 313



This project provides planned funding to replace the existing steel truss bridge, located in southern Carroll County on the Howard County border, with a new structure. The type of structure will be determined based on an alternatives analysis.

This project qualifies for Federal aid funding, which covers 80% of the engineering, administrative, and construction costs.

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		230,000							230,000
Land Acquisition				5,000					5,000
Site Work				150,000					150,000
Construction				1,503,000					1,503,000
Equipment/Furnishings									0
Other				240,000					240,000
EXPENDITURES									
TOTAL	0	230,000	0	1,898,000	0	0	0	0	2,128,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Bonds		46,000		443,600					489,600
Federal Highway/Bridge		184,000		1,454,400					1,638,400
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Hollingsworth Road over Unnamed Tributary

District Location: 2

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8628

Functional Classification: Rural Local
 Average Daily Traffic: 1,114
 Bridge Number: CL 348



This project provides funding to replace the existing bridge, located in eastern Carroll County near the Baltimore County line, west of Glen Falls Road. The existing structure is a steel beam bridge with a timber deck on stone abutments. The type of structure will be determined based on an alternatives analysis. The structure width and waterway opening will be evaluated as part of the analysis.

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	200,000								200,000
Land Acquisition			8,000						8,000
Site Work			48,000						48,000
Construction			478,000						478,000
Equipment/Furnishings									0
Other			53,000						53,000
EXPENDITURES									
TOTAL	200,000	0	587,000	0	0	0	0	0	787,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds	200,000		587,000						787,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Stone Chapel Road over Little Pipe Creek

District Location: 3

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8588

Functional Classification: Minor Collector
 Average Daily Traffic: 3,950
 Bridge Number: CL 363



This project provides planned funding to rehabilitate the existing bridge, located outside of Westminster, near State Road MD 31. The scope of the rehabilitation will be determined during the preliminary engineering phase.

This project qualifies for Federal aid funding, which will cover 80% of the engineering, administrative, and construction costs.

	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							200,000		200,000
Land Acquisition							7,000		7,000
Site Work		54,000							54,000
Construction		540,000							540,000
Equipment/Furnishings									0
Other		115,000							115,000
EXPENDITURES									

TOTAL	0	709,000	0	0	0	0	207,000	0	916,000
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SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Bonds		141,800					47,000		188,800
Federal Highway/Bridge		567,200					160,000		727,200

PROJECTED OPERATING IMPACTS						
	0	0	0	0	0	0