Overview of Public Works CIP

The Public Works FY 16 – 21 CIP includes two separate sections: Roads and Bridges.

Funding is included in FY 16 for improvements to County gravel and unpaved roads.

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. It is anticipated that 80 percent of design and construction costs will be funded by the Safe Routes to School Program that is administered by the Maryland Department of Transportation.

Approximately \$79 million is included in the FY 16 - 21 CIP to maintain roads throughout the County. Approximately thirty-five percent of the County's road network are considered mainline or collector and arterial roads. These roads typically 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.

The recommendation also includes ongoing bridge maintenance and replacement for five bridges.

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

COMMUNITY INVESTMENT PLAN FOR FISCAL YEARS 2016 TO 2021

			Fiscal Y	ear			Prior	Balance to	Total
	2016	2017	2018	2019	2020	2021	Allocation	Complete	Project Cost
BRIDGES:									
Bear Run Road over Bear Branch	\$0	\$0	\$0	\$0	\$0	\$240,000	\$0	\$1,300,000	\$1,540,000
Bridge Inspection and Inventory	33,600	33,600	37,000	37,000	37,500	42,000	0	0	220,700
Bridge Maintenance and Structural Repairs	50,700	53,200	55,900	58,700	61,600	64,700	0	0	344,800
Cape Horn Road over Unnamed Stream	372,000	0	0	0	0	0	129,000	0	501,000
Cleaning and Painting of Existing Bridge Structural Steel	79,000	81,800	84,700	87,700	92,100	96,800	0	0	522,100
Gaither Road over South Branch Patapsco River	0	0	230,000	0	1,898,000	0	0	0	2,128,000
Hollingsworth Road over Unnamed Tributary	0	0	0	0	230,000	649,000	0	0	879,000
Stone Chapel Road over Little Pipe Creek	207,000	0	729,000	0	0	0	0	0	936,000
BRIDGES TOTAL	\$742,300	\$168,600	\$1,136,600	\$183,400	\$2,319,200	\$1,092,500	\$129,000	\$1,300,000	\$7,071,600
SOURCES OF FUNDING:									
Transfer from General Fund	\$163,300	\$168,600	\$177,600	\$183,400	\$191,200	\$203,500	\$0	\$0	\$1,087,600
Bonds	419,000	0	237,600	0	673,600	697,000	129,000	260,000	2,416,200
Federal Highway/Bridge	160,000	0	721,400	0	1,454,400	192,000	0	1,040,000	3,567,800
BRIDGES TOTAL	\$742,300	\$168,600	\$1,136,600	\$183,400	\$2,319,200	\$1,092,500	\$129,000	\$1,300,000	\$7,071,600

Bear Run Road over Bear Branch

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

District Location: 1

Proj #

Functional Classification:LocalAverage Daily Traffic:343Bridge No.:CL261



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

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

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	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									
EAIENDITURES									
EATENDITORES									
TOTAL	0	0	0	0	0	240,000	0	1,300,000	1,540,000
TOTAL	0	0	0	0	0	240,000	0	1,300,000	1,540,000
······	0	0	0	0	0	240,000	0	1,300,000	1,540,000
TOTAL SOURCES OF FUNDS	0	0	0	0	0	240,000	0	1,300,000	
TOTAL SOURCES OF FUNDS Transfer from General Fund	0	0	0	0	0	240,000 48,000	0	1,300,000 260,000	0
TOTAL SOURCES OF FUNDS Transfer from General Fund Local Income Tax	0	0	0	0	0		0		0

Bridge Inspection and Inventory

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

This project provides ongoing funding for the inspection of twenty small structures that do not qualify for Federal funds. The twenty 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 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
		<u>.</u>							
Engineering/Design	33,600	33,600	37,000	37,000	37,500	42,000			220,700
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	33,600	33,600	37,000	37,000	37,500	42,000	0	0	220,700
SOURCES OF FUNDS									
Transfer from General Fund	33,600	33,600	37,000	37,000	37,500	42,000			220,700
Local Income Tax									0
Property Tax									0
Bonds									0
PROJECTED OPERATING									

Bridge Maintenance and Structural Repairs

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

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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.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	50,700	53,200	55,900	58,700	61,600	64,700			344,800
Equipment/Furnishings									0
Other									0
TOTAL	50,700	53,200	55,900	58,700	61,600	64,700	0	0	344,800
	50,700	53,200	55,900	58,700	61,600	64,700	0	0	344,800
SOURCES OF FUNDS	50,700 50,700	53,200 53,200	55,900 55,900	58,700 58,700	61,600 61,600	64,700 64,700	0	0	344,800 344,800
SOURCES OF FUNDS Transfer from General Fund							0	0	
TOTAL SOURCES OF FUNDS Transfer from General Fund Local Income Tax Property Tax							0	0	344,800
SOURCES OF FUNDS Transfer from General Fund Local Income Tax							0	0	344,800 0

Cape Horn Road over Unnamed Stream

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

Functional Classification: Minor Collector Average Daily Traffic: 1,376 Bridge No.: CL387



This project provides funding to replace the existing bridge located at the intersection of Cape Horn Road and Harvey Gummel Road. The existing structure is a steel beam bridge on concrete abutments. The new structure will be determined based on an alternatives analysis.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							125,000		125,000
Land Acquisition							4,000		4,000
Site Work	26,000								26,000
Construction	260,000								260,000
Equipment/Furnishings									0
Other	86,000								86,000
EXPENDITURES									
TOTAL	372,000	0	0	0	0	0	100.000		
			-	0	0	0	129,000	0	501,000
	1			v	U	0	129,000	0	501,000
SOURCES OF FUNDS				U	U	0	129,000	0	501,000
SOURCES OF FUNDS Transfer from General Fund					0	0	129,000	0	501,000
							129,000	0	
Transfer from General Fund					0		129,000	0	0
Transfer from General Fund Local Income Tax	372,000						129,000	0	0
Transfer from General Fund Local Income Tax Property Tax	372,000							0	0 0 0

Cleaning and Painting of Existing Bridge Structural Steel

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

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.

The following bridges are scheduled for cleaning and painting: 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

The funding amount included in each year covers engineering and 20 percent of the construction.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
-									
Engineering/Design	17,000	17,800	18,700	19,700	20,700	21,800			115,700
Land Acquisition									0
Site Work									0
Construction	62,000	64,000	66,000	68,000	71,400	75,000			406,400
Equipment/Furnishings									0
Other									0
EXPENDITURES									
	I		I	I	I				
TOTAL	79,000	81,800	84,700	87,700	92,100	96,800	0	0	522,100
TOTAL SOURCES OF FUNDS	79,000	81,800	84,700	87,700	92,100	96,800	0	0	522,100
	79,000 79,000	81,800 81,800	84,700 84,700	87,700 87,700	92,100 92,100	96,800 96,800	0	0	522,100 522,100
SOURCES OF FUNDS							0	0	
SOURCES OF FUNDS Transfer from General Fund							0	0	522,100
SOURCES OF FUNDS Transfer from General Fund Local Income Tax							0	0	522,100 0
SOURCES OF FUNDS Transfer from General Fund Local Income Tax Property Tax							0	0	522,100 0 0

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Gaither Road over South Branch Patapsco River

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

Functional Classification: Minor Collector Average Daily Traffic: 1,118 Bridge No.: 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 new structure will be determined based on an alternatives analysis.

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

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	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									
EXPENDITURES									
EXPENDITURES TOTAL	0	0	230,000	0	1,898,000	0	0	0	2,128,000
	0	0	230,000	0	1,898,000	0	0	0	2,128,000
	0	0	230,000	0	1,898,000	0	0	0	2,128,000
TOTAL	0	0	230,000	0	1,898,000	0	0	0	2,128,000
TOTAL SOURCES OF FUNDS	0	0	230,000	0	1,898,000	0	0	0	
TOTAL SOURCES OF FUNDS Transfer from General Fund	0	0	230,000 46,000	0	1,898,000 443,600	0	0	0	0
TOTAL SOURCES OF FUNDS Transfer from General Fund Local Income Tax	0	0		0		0	0	0	0
TOTAL SOURCES OF FUNDS Transfer from General Fund Local Income Tax Bonds	0	0	46,000	0	443,600	0	0	0	0 0 489,600

Hollingsworth Road over Unnamed Tributary

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

Functional Classification: Rural Local Average Daily Traffic: 1,114 Bridge No.: CL 348



This project provides planned 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 new structure will be determined based on an alternatives analysis. The structure width and waterway opening will be evaluated as part of the analysis.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Prior Allocation	Balance to Complete	Total Project Cost
-									
Engineering/Design					230,000				230,000
Land Acquisition						8,000			8,000
Site Work						53,000			53,000
Construction						530,000			530,000
Equipment/Furnishings									0
Other						58,000			58,000
EXPENDITURES									
EXPENDITURES									
EXPENDITURES TOTAL	0	0	0	0	230,000	649,000	0	0	879,000
	0	0	0	0	230,000	649,000	0	0	879,000
	0	0	0	0	230,000	649,000	0	0	879,000
TOTAL	0	0	0	0	230,000	649,000	0	0	879,000
TOTAL SOURCES OF FUNDS	0	0	0	0	230,000	649,000	0	0	
TOTAL SOURCES OF FUNDS Transfer from General Fund	0	0	0	0	230,000	649,000	0	0	0
TOTAL SOURCES OF FUNDS Transfer from General Fund Local Income Tax	0	0	0	0	230,000	649,000 649,000	0	0	0
TOTAL SOURCES OF FUNDS Transfer from General Fund Local Income Tax Property Tax	0	0	0	0			0	0	0 0 0

District Location: 2 Proj #

Stone Chapel Road over Little Pipe Creek

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

Functional Classification: Minor Collector Average Daily Traffic: 4,805 Bridge No.: 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 percent of the engineering, administrative, and construction costs.

	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	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			135,000						135,000
EXPENDITURES									
	-								
TOTAL	207,000	0	729,000	0	0	0	0	0	936,000
TOTAL	207,000	0	729,000	0	0	0	0	0	936,000
TOTAL SOURCES OF FUNDS	207,000	0	729,000	0	0	0	0	0	936,000
	207,000	0	729,000	0	0	0	0	0	936,000
SOURCES OF FUNDS	207,000	0	729,000	0	0	0	0	0	
SOURCES OF FUNDS Transfer from General Fund Local Income Tax	207,000	0	729,000	0	0	0	0	0	0
SOURCES OF FUNDS Transfer from General Fund	207,000	0	729,000	0	0	0	0	0	0
SOURCES OF FUNDS Transfer from General Fund Local Income Tax Property Tax		0		0	0	0	0	0	0 0 0
SOURCES OF FUNDS Transfer from General Fund Local Income Tax Property Tax Bonds	47,000	0	191,600	0	0	0	0	0	0 0 0 238,600

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