

## 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 Year					Prior Allocation	Balance to Complete	Total Project Cost	
	2016	2017	2018	2019	2020				2021
<b>BRIDGES:</b>									
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
<b>BRIDGES TOTAL</b>	<b>\$742,300</b>	<b>\$168,600</b>	<b>\$1,136,600</b>	<b>\$183,400</b>	<b>\$2,319,200</b>	<b>\$1,092,500</b>	<b>\$129,000</b>	<b>\$1,300,000</b>	<b>\$7,071,600</b>
<b>SOURCES OF FUNDING:</b>									
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
<b>BRIDGES TOTAL</b>	<b>\$742,300</b>	<b>\$168,600</b>	<b>\$1,136,600</b>	<b>\$183,400</b>	<b>\$2,319,200</b>	<b>\$1,092,500</b>	<b>\$129,000</b>	<b>\$1,300,000</b>	<b>\$7,071,600</b>

# Bear Run Road over Bear Branch

District Location: 1

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

Proj #

Functional Classification: Local  
 Average Daily Traffic: 343  
 Bridge 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			<b>240,000</b>
Land Acquisition									<b>0</b>
Site Work								100,000	<b>100,000</b>
Construction								1,015,000	<b>1,015,000</b>
Equipment/Furnishings									<b>0</b>
Other								185,000	<b>185,000</b>
<b>EXPENDITURES</b>									

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

<b>PROJECTED OPERATING IMPACTS</b>						
	0	0	0	0	0	0

# Bridge Inspection and Inventory

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

9684

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
Engineering/Design	33,600	33,600	37,000	37,000	37,500	42,000			<b>220,700</b>
Land Acquisition									<b>0</b>
Site Work									<b>0</b>
Construction									<b>0</b>
Equipment/Furnishings									<b>0</b>
Other									<b>0</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>33,600</b>	<b>33,600</b>	<b>37,000</b>	<b>37,000</b>	<b>37,500</b>	<b>42,000</b>	<b>0</b>	<b>0</b>	<b>220,700</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund	33,600	33,600	37,000	37,000	37,500	42,000			<b>220,700</b>
Local Income Tax									<b>0</b>
Property Tax									<b>0</b>
Bonds									<b>0</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Bridge Maintenance and Structural Repairs

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

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.

	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
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>50,700</b>	<b>53,200</b>	<b>55,900</b>	<b>58,700</b>	<b>61,600</b>	<b>64,700</b>	<b>0</b>	<b>0</b>	<b>344,800</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund	50,700	53,200	55,900	58,700	61,600	64,700			344,800
Local Income Tax									0
Property Tax									0
Bonds									0
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0



# Cleaning and Painting of Existing Bridge Structural Steel

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

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.

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			<b>115,700</b>
Land Acquisition									<b>0</b>
Site Work									<b>0</b>
Construction	62,000	64,000	66,000	68,000	71,400	75,000			<b>406,400</b>
Equipment/Furnishings									<b>0</b>
Other									<b>0</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>79,000</b>	<b>81,800</b>	<b>84,700</b>	<b>87,700</b>	<b>92,100</b>	<b>96,800</b>	<b>0</b>	<b>0</b>	<b>522,100</b>
<b>SOURCES OF FUNDS</b>									
Transfer from General Fund	79,000	81,800	84,700	87,700	92,100	96,800			<b>522,100</b>
Local Income Tax									<b>0</b>
Property Tax									<b>0</b>
Bonds									<b>0</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			







