

Overview of Public Works CIP

The Public Works FY 18 – 23 CIP includes two separate sections: Roads and Bridges.

Approximately \$88.2 million is included in the FY 18 – 23 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.

Funding is provided to update the 1994 Design Manual for Roads and Storm Drains to meet current industry standards.

Included in FY 18 – 22 is \$1.6 million to support State road projects. Contributing to State projects may expedite the planning process for State roads in Carroll County.

Market Street Extended, a new road construction project, will create a more direct connection to MD 140 from Old Westminster Pike.

Funding is included for the replacement or rehabilitation of nine bridge structures.

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

COMMUNITY INVESTMENT PLAN FOR FISCAL YEARS 2018 TO 2023

	2018	2019	2020	2021	2022	2023	Prior Allocation	Balance to Complete	Total Project Cost
BRIDGES:									
Babylon Road over Silver Run	\$126,000	\$0	\$0	\$0	\$0	\$0	\$901,999	\$0	\$1,027,999
Bear Run Road over Bear Branch	0	0	0	305,000	0	1,275,000	0	0	1,580,000
Bixlers Church Road over Big Pipe Creek	112,000	0	0	0	0	0	721,000	0	833,000
Bridge Inspection and Inventory	37,000	39,000	41,000	43,000	45,000	47,000	0	0	252,000
Bridge Maintenance and Structural Repairs	55,900	58,700	61,600	64,700	68,000	71,000	0	0	379,900
Cape Horn Road over Unnamed Stream	208,000	0	0	0	0	0	0	0	208,000
Cleaning and Painting of Existing Bridge Structural Steel	218,700	229,700	241,300	253,400	266,000	279,200	0	0	1,488,300
Gaither Road over South Branch Patapsco River	275,000	0	0	1,935,000	0	0	0	0	2,210,000
Hawks Hill Road over Little Pipe Creek Tributary	0	0	0	0	255,000	0	0	471,800	726,800
Hollingsworth Road over Unnamed Tributary	0	587,000	0	0	0	0	200,000	0	787,000
Hughes Shop Road over Bear Branch	270,000	0	0	0	0	0	1,428,000	0	1,698,000
McKinstry's Mill Road over Sams Creek	207,000	0	0	0	0	0	947,000	0	1,154,000
Stone Chapel Road over Little Pipe Creek	715,000	0	0	0	0	0	207,000	0	922,000
BRIDGES TOTAL	\$2,224,600	\$914,400	\$343,900	\$2,601,100	\$634,000	\$1,672,200	\$4,404,999	\$471,800	\$13,266,999
SOURCES OF FUNDING:									
Transfer from General Fund	\$151,600	\$159,400	\$167,400	\$175,800	\$184,500	\$193,100	\$0	\$0	\$1,031,800
Property Tax	0	0	0	0	0	0	36,400	0	36,400
Bonds	553,000	587,000	0	576,000	255,000	255,000	1,001,316	471,800	3,699,116
Highway Administration	0	0	0	0	0	0	8,883	0	8,883
Federal Highway/Bridge	1,520,000	168,000	176,500	1,849,300	194,500	1,224,100	3,358,400	0	8,490,800
BRIDGES TOTAL	\$2,224,600	\$914,400	\$343,900	\$2,601,100	\$634,000	\$1,672,200	\$4,404,999	\$471,800	\$13,266,999

Babylon Road over Silver Run

District Location: 1

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8322

Functional Classification: Local
 Average Daily Traffic: 111
 Bridge No.: CL 269



This project provides funding to replace the acrow panel bridge, located in northern Carroll County, with a new structure.

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

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	105,000						175,000		280,000
Land Acquisition							7,000		7,000
Site Work							60,000		60,000
Construction	21,000						594,999		615,999
Equipment/Furnishings									0
Other							65,000		65,000
EXPENDITURES									
TOTAL	126,000	0	0	0	0	0	901,999	0	1,027,999
SOURCES OF FUNDS									
Transfer from General Fund									0
Bonds	25,200						171,516		196,716
Highway Administration							8,883		8,883
Federal Highway/Bridge	100,800						721,600		822,400
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Bear Run Road over Bear Branch

District Location: 1

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

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, which covers 80 percent of the engineering, inspection, and construction costs.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design				300,000					300,000
Land Acquisition				5,000					5,000
Site Work						100,000			100,000
Construction						985,000			985,000
Equipment/Furnishings									0
Other						190,000			190,000
EXPENDITURES									
TOTAL	0	0	0	305,000	0	1,275,000	0	0	1,580,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Bonds				65,000		255,000			320,000
Federal Highway/Bridge				240,000		1,020,000			1,260,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Bixlers Church Road over Big Pipe Creek

District Location: 1

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8383

Functional Classification: Local
 Average Daily Traffic: 625
 Bridge No.: CL 390



This project provides funding to replace the existing two-cell culvert, located east of Union Mills, with a new structure.

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

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	112,000						185,000		297,000
Land Acquisition							8,000		8,000
Site Work							49,000		49,000
Construction							431,000		431,000
Equipment/Furnishings									0
Other							48,000		48,000
EXPENDITURES									
TOTAL	112,000	0	0	0	0	0	721,000	0	833,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Bonds	22,400						144,200		166,600
Federal Highway/Bridge	89,600						576,800		666,400
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Bridge Inspection and Inventory

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

9684

This project provides ongoing funding for the inspection of twenty-one minor structures that do not qualify for Federal funds. Seventeen small structures are inspected on the same biennial inspection cycle as the 133 major County-maintained structures, and four bridges are inspected annually. The project includes field inspections of all twenty-one structures, as well as completion and submission of inspection reports to the County.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	37,000	39,000	41,000	43,000	45,000	47,000			252,000
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	37,000	39,000	41,000	43,000	45,000	47,000	0	0	252,000
SOURCES OF FUNDS									
Transfer from General Fund	37,000	39,000	41,000	43,000	45,000	47,000			252,000
Local Income Tax									0
Property Tax									0
Bonds									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Bridge Maintenance and Structural Repairs

Heidi K. Pepin, Management and Budget Project Coordinator (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. Several projects have been identified for the work types below. Additional evaluation will be completed prior to developing contract documents.

Listed below are potential sites for a replacement bridge seal project.

CL208 Baptist over Alloway Creek	CL211 Bowers over Alloway Creek
CL234 Hapes Mill over Big Pipe Creek	CL262 Mayberry over Bear Branch
CL266 Flickinger over Big Pipe Creek	CL271 Arters Mill over Big Pipe Creek
CL272 Halter over Big Pipe Creek	CL310 Woodbine over S. Branch Patapsco River
CL311 Morgan over S. Branch Patapsco River	CL353 Patapsco over W. Branch Patapsco River
CL364 Adams Mill over Little Pipe Creek	

Listed below are potential sites for a concrete patching project.

CL217 Stone over Silver Run	CL310 Woodbine over S. Branch Patapsco River
CL311 Morgan over S. Branch Patapsco River	CL332 Marriottsville over S. Branch Patapsco River
CL353 Patapsco over W. Branch Patapsco River	CL373 Coon Club over E. Branch Patapsco River

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	55,900	58,700	61,600	64,700	68,000	71,000			379,900
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	55,900	58,700	61,600	64,700	68,000	71,000	0	0	379,900
SOURCES OF FUNDS									
Transfer from General Fund	55,900	58,700	61,600	64,700	68,000	71,000			379,900
Local Income Tax									0
Property Tax									0
Bonds									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Cape Horn Road over Unnamed Stream

District Location: 1

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8512

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 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	208,000								208,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	208,000	0	0	0	0	0	0	0	208,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds	208,000								208,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Cleaning and Painting of Existing Bridge Structural Steel

Heidi K. Pepin, Management and Budget Project Coordinator (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. Funding is accumulated over several years to allow for completion of a larger project.

Listed below are potential sites for the next project, with design anticipated to begin in FY 18.

- CL 207 Baptist Road over Alloway Creek
- CL 208 Baptist Road over Alloway Creek
- CL 211 Bowers Road over Alloway Creek
- CL 262 Mayberry Road over Bear Branch
- CL 272 Halter Road over Big Pipe Creek
- CL 364 Adams Mill Road over Little Pipe Creek
- CL 402 York Road No. 1 over S. Branch Gunpowder Falls

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

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	18,700	19,700	20,700	21,800	22,900	24,100			127,900
Land Acquisition									0
Site Work									0
Construction	200,000	210,000	220,600	231,600	243,100	255,100			1,360,400
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	218,700	229,700	241,300	253,400	266,000	279,200	0	0	1,488,300
SOURCES OF FUNDS									
Transfer from General Fund	58,700	61,700	64,800	68,100	71,500	75,100			399,900
Local Income Tax									0
Property Tax									0
Federal Highway/Bridge	160,000	168,000	176,500	185,300	194,500	204,100			1,088,400
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, Management and Budget Project Coordinator (410) 386-2082

8722

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



This project provides 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, which covers 80 percent of the engineering, inspection, and construction costs.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	270,000								270,000
Land Acquisition	5,000								5,000
Site Work				155,000					155,000
Construction				1,530,000					1,530,000
Equipment/Furnishings									0
Other				250,000					250,000
EXPENDITURES									
TOTAL	275,000	0	0	1,935,000	0	0	0	0	2,210,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Bonds	59,000			511,000					570,000
Federal Highway/Bridge	216,000			1,424,000					1,640,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Hawks Hill Road over Little Pipe Creek Tributary

District Location: 4

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

Proj #

Functional Classification: Rural Local
 Average Daily Traffic: 253
 Bridge Number: CL 242



This project provides planned funding to replace the existing small bridge, located in western Carroll County near the Town of New Windsor. The existing structure is constructed of concrete encased steel beams on stone masonry 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.

This project does not qualify for Federal aid.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					250,000				250,000
Land Acquisition					5,000				5,000
Site Work									0
Construction								471,800	471,800
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	0	0	0	0	255,000	0	0	471,800	726,800
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds					255,000			471,800	726,800
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Hollingsworth Road over Unnamed Tributary

District Location: 2

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8628

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

This project does not qualify for Federal aid.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							200,000		200,000
Land Acquisition		8,000							8,000
Site Work		50,000							50,000
Construction		473,000							473,000
Equipment/Furnishings									0
Other		56,000							56,000
EXPENDITURES									
TOTAL	0	587,000	0	0	0	0	200,000	0	787,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds		587,000					200,000		787,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Hughes Shop Road over Bear Branch

District Location: 3

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8332

Functional Classification: Local
 Average Daily Traffic: 176
 Bridge No.: CL 264



This project provides funding to replace the existing bridge, located near Pleasant Valley, with a new structure.

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

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	105,000						182,000		287,000
Land Acquisition									0
Site Work							103,000		103,000
Construction	165,000						1,029,000		1,194,000
Equipment/Furnishings									0
Other							114,000		114,000
EXPENDITURES									
TOTAL	270,000	0	0	0	0	0	1,428,000	0	1,698,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Property Tax							36,400		36,400
Bonds	54,000						249,200		303,200
Federal Highway/Bridge	216,000						1,142,400		1,358,400
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

McKinstry's Mill Road over Sams Creek

District Location: 4

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8323

Functional Classification: Local
 Average Daily Traffic: 109
 Bridge No.: CL 243



This project provides funding to replace the existing bridge, located west of New Windsor on the Carroll/Frederick County line, with a new structure.

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

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	105,000						175,000		280,000
Land Acquisition							7,000		7,000
Site Work							63,000		63,000
Construction	102,000						632,000		734,000
Equipment/Furnishings									0
Other							70,000		70,000
EXPENDITURES									
TOTAL	207,000	0	0	0	0	0	947,000	0	1,154,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Bonds	41,400						189,400		230,800
Federal Highway/Bridge	165,600						757,600		923,200
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Stone Chapel Road over Little Pipe Creek

District Location: 3

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8588

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



This project provides 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, which covers 80 percent of the engineering, inspection, and construction costs.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	70,000						200,000		270,000
Land Acquisition							7,000		7,000
Site Work	35,000								35,000
Construction	350,000								350,000
Equipment/Furnishings									0
Other	260,000								260,000
EXPENDITURES									
TOTAL	715,000	0	0	0	0	0	207,000	0	922,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Bonds	143,000						47,000		190,000
Federal Highway/Bridge	572,000						160,000		732,000
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0