

Overview of Public Works CIP

The Public Works CIP includes two sections: Roads and Bridges.

Approximately \$87.5M is included in the FY 20 – 25 CIP to maintain and rehabilitate 900 miles of 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 sealing, mill and overlay, full-depth reclamation, and reconstruction.

Included is \$0.3M 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.

Ongoing funding is included for inspection of storm drains. Video inspections will assess the condition of the storm drain system, and rehabilitation funding is included for pipe lining and replacement of storm drains and small drainage structures.

Funding is included for the replacement or rehabilitation of four 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 2020 TO 2025

	2020	2021	2022	2023	2024	2025	Prior Allocation	Balance To Complete	Total Project Cost
BRIDGES									
Babylon Road over Silver Run	\$202,000	\$0	\$0	\$0	\$0	\$0	\$1,027,999	\$0	\$1,229,999
Bridge Inspection and Inventory	83,500	44,000	45,000	47,000	49,000	52,000	0	0	320,500
Bridge Maintenance and Structural Repair	71,000	75,000	78,000	82,000	85,000	89,000	0	0	480,000
Cleaning and Painting of Bridge Structural Steel	212,000	223,000	234,000	246,000	258,000	271,000	0	0	1,444,000
Gaither Road over South Branch Patapsco	0	1,997,000	0	0	0	0	275,000	0	2,272,000
Hawks Hill Road over Little Pipe Creek Tributary	0	0	255,000	0	510,000	0	0	0	765,000
McKinstry's Mill Road over Little Pipe Creek	0	0	0	0	250,000	0	0	1,668,000	1,918,000
BRIDGES TOTAL	\$568,500	\$2,339,000	\$612,000	\$375,000	\$1,152,000	\$412,000	\$1,302,999	\$1,668,000	\$8,429,499
SOURCES OF FUNDING:									
Transfer from General Fund	\$196,500	\$164,000	\$170,000	\$178,000	\$186,000	\$195,000	\$0	\$0	\$1,089,500
Bonds	0	459,400	255,000	0	560,000	0	255,716	333,600	1,863,716
Reallocated Bonds	40,500	0	0	0	0	0	0	0	40,500
State Highway Administration	0	0	0	0	0	0	8,883	0	8,883
Federal Highway/Bridge	331,500	1,715,600	187,000	197,000	406,000	217,000	1,038,400	1,334,400	5,426,900
BRIDGES TOTAL	\$568,500	\$2,339,000	\$612,000	\$375,000	\$1,152,000	\$412,000	\$1,302,999	\$1,668,000	\$8,429,499

Babylon Road over Silver Run

Commissioner District: 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 20	FY 21	FY 22	FY 23	FY 24	FY 25	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							280,000		280,000
Land Acquisition							7,000		7,000
Site Work							60,000		60,000
Construction	202,000						615,999		817,999
Equipment/Furnishings							0		0
Other							65,000		65,000
EXPENDITURES									

TOTAL	202,000	0	0	0	0	0	1,027,999	0	1,229,999
--------------	----------------	----------	----------	----------	----------	----------	------------------	----------	------------------

SOURCES OF FUNDS									
Bonds							196,716		196,716
Reallocated Bonds	40,500								40,500
State Highway Administration							8,883		8,883
Federal Highway/Bridge	161,500						822,400		983,900

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 21 minor structures that do not qualify for Federal funds. Small structures are inspected on the same biennial inspection cycle as the 133 major County-maintained structures and 4 bridges are inspected annually. Project includes field inspections of all 21 structures, as well as completion and submission of inspection reports to the County. The inspection reports are used to evaluate repairs and structure replacements.

	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	83,500	44,000	45,000	47,000	49,000	52,000			320,500
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other									0
EXPENDITURES									

TOTAL	83,500	44,000	45,000	47,000	49,000	52,000	0	0	320,500
--------------	---------------	---------------	---------------	---------------	---------------	---------------	----------	----------	----------------

SOURCES OF FUNDS									
Transfer from General Fund	83,500	44,000	45,000	47,000	49,000	52,000			320,500
Reallocated GF Transfer									0
Local Income Tax									0
Reallocated Local Income Tax									0

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			

Bridge Maintenance and Structural Repair

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

9882

This project provides ongoing funding for preventative 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 and are listed below.

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

CL 208 Baptist over Alloway Creek	CL 211 Bowers over Alloway Creek	CL 364 Adams Mill over Little Pipe Creek
CL 234 Hapes Mill over Big Pipe Creek	CL 262 Mayberry over Bear Branch	CL 353 Patapsco over W. Branch Patapsco River
CL 266 Flickinger over Big Pipe Creek	CL 271 Arters Mill over Big Pipe Creek	CL 311 Morgan over S. Branch Patapsco River
CL 272 Halter over Big Pipe Creek	CL 310 Woodbine over S. Branch Patapsco River	

Listed below are potential sites for a concrete patching project:

CL 217 Stone over Silver Run	CL 310 Woodbine over S. Branch Patapsco River
CL 311 Morgan over S. Branch Patapsco River	CL 332 Marriottsville over S. Branch Patapsco River
CL 353 Patapsco over W. Branch Patapsco River	CL 373 Coon Club over E. Branch Patapsco River

	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	71,000	75,000	78,000	82,000	85,000	89,000			480,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	71,000	75,000	78,000	82,000	85,000	89,000	0	0	480,000

SOURCES OF FUNDS									
Transfer from General Fund	71,000	75,000	78,000	82,000	85,000	89,000			480,000
Reallocated GF Transfer									0
Local Income Tax									0
Reallocated Local Income Tax									0

PROJECTED OPERATING IMPACTS						
	0	0	0	0	0	0

Cleaning and Painting of 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 bridge 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:

- 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 20	FY 21	FY 22	FY 23	FY 24	FY 25	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	18,000	19,000	20,000	21,000	22,000	23,000			123,000
Land Acquisition									0
Site Work									0
Construction	194,000	204,000	214,000	225,000	236,000	248,000			1,321,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	212,000	223,000	234,000	246,000	258,000	271,000	0	0	1,444,000

SOURCES OF FUNDS									
Transfer from General Fund	42,000	45,000	47,000	49,000	52,000	54,000			289,000
Reallocated GF Transfer									0
Local Income Tax									0
Federal Highway/Bridge	170,000	178,000	187,000	197,000	206,000	217,000			1,155,000

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

Gaither Road over South Branch Patapsco

Commissioner Districts: 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 planned funding to replace the steel truss bridge, located in southern Carroll County on the Howard County border, with a new structure. The type of replacement 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 20	FY 21	FY 22	FY 23	FY 24	FY 25	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							275,000		275,000
Land Acquisition									0
Site Work		158,000							158,000
Construction		1,589,000							1,589,000
Equipment/Furnishings									0
Other		250,000							250,000
EXPENDITURES									
TOTAL	0	1,997,000	0	0	0	0	275,000	0	2,272,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Bonds		459,400					59,000		518,400
Reallocated Bonds									0
Federal Highway/Bridge		1,537,600					216,000		1,753,600
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Hawks Hill Road over Little Pipe Creek Tributary

Commissioner District: 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 small bridge, located in western Carroll County near the Town of New Windsor. The existing structure is concrete encased steel beams on stone masonry abutments. The type of replacement 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 20	FY 21	FY 22	FY 23	FY 24	FY 25	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			250,000						250,000
Land Acquisition			5,000						5,000
Site Work					42,000				42,000
Construction					422,000				422,000
Equipment/Furnishings									0
Other					46,000				46,000
EXPENDITURES									

TOTAL	0	0	255,000	0	510,000	0	0	0	765,000
--------------	----------	----------	----------------	----------	----------------	----------	----------	----------	----------------

SOURCES OF FUNDS									
Transfer from General Fund									0
Reallocated GF Transfer									0
Bonds			255,000		510,000				765,000
Reallocated Bonds									0

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

McKinstry Mill Road over Little Pipe Creek

Commissioner District: 4

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

Proj #

Functional Classification: Rural Local
 Average Daily Traffic: 338
 Bridge Number: CL 236



This project provides planned funding to replace the bridge, located in western Carroll County, east of the Town of Union Bridge, with a new structure. The type of replacement 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 qualifies for Federal aid, which covers 80 percent of the engineering, inspection, and construction costs.

	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					250,000				250,000
Land Acquisition									0
Site Work								131,000	131,000
Construction								1,308,000	1,308,000
Equipment/Furnishings									0
Other								229,000	229,000
EXPENDITURES									

TOTAL	0	0	0	0	250,000	0	0	1,668,000	1,918,000
--------------	----------	----------	----------	----------	----------------	----------	----------	------------------	------------------

SOURCES OF FUNDS									
Transfer from General Fund									0
Reallocated/GF Transfer									0
Bonds					50,000			333,600	383,600
Federal Highway/Bridge					200,000			1,334,400	1,534,400

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0