

Overview of Public Works CIP

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

Approximately \$97.7M is included in the FY 22 – 27 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, overlay, mill and overlay, full-depth reclamation, and reconstruction.

Included is \$0.1M to support State road projects. Contributing to State projects may expedite the planning process for State roads in Carroll County.

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 six 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 2022 TO 2027

	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance To Complete	Total Project Cost
BRIDGES									
Bridge Inspection and Inventory	\$31,000	\$32,000	\$33,000	\$34,000	\$35,000	\$36,000	\$0	\$0	\$201,000
Bridge Maintenance and Structural Repair	78,000	82,000	85,000	89,000	94,000	99,000	0	0	527,000
Brown Road over Roaring Run	0	0	270,000	0	1,439,000	0	0	0	1,709,000
Cleaning and Painting of Bridge Structural Steel	234,000	246,000	258,000	271,000	284,000	298,000	0	0	1,591,000
Gaither Road over South Branch PatapSCO	2,096,850	0	0	0	0	0	275,000	0	2,371,850
Hawks Hill Road over Little Pipe Creek Tributary	255,000	0	510,000	0	0	0	0	0	765,000
McKinstry's Mill Road over Little Pipe Creek	0	0	250,000	0	0	1,746,000	0	0	1,996,000
Old Kays Mill Road over Beaver Run	0	0	270,000	0	2,296,000	0	0	0	2,566,000
PatapSCO Road Bridge Deck Replacement	0	0	0	0	170,000	424,000	0	0	594,000
BRIDGES TOTAL	\$2,694,850	\$360,000	\$1,676,000	\$394,000	\$4,318,000	\$2,603,000	\$275,000	\$0	\$12,320,850
SOURCES OF FUNDING:									
Transfer from General Fund	\$156,000	\$163,000	\$170,000	\$177,000	\$186,000	\$198,000	\$0	\$0	\$1,050,000
Bonds	666,700	0	668,000	0	917,000	570,000	59,000	0	2,880,700
Federal Highway/Bridge	1,872,150	197,000	838,000	217,000	3,215,000	1,835,000	216,000	0	8,390,150
BRIDGES TOTAL	\$2,694,850	\$360,000	\$1,676,000	\$394,000	\$4,318,000	\$2,603,000	\$275,000	\$0	\$12,320,850

Bridge Inspection and Inventory

Donald England, Management and Budget Analyst (410) 386-2082

9684

This project provides ongoing funding for the inspection of 20 minor structures that do not qualify for use of Federal funds. Small structures are inspected every four years in the same manner as the 134 major County-maintained structures. Three bridges are inspected annually. This project includes hands-on field inspections of all 20 structures, as well as completion and submission of inspection reports, which summarize findings. Report recommendations are used to evaluate repairs and structure replacements.

	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	31,000	32,000	33,000	34,000	35,000	36,000			201,000
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	31,000	32,000	33,000	34,000	35,000	36,000	0	0	201,000
SOURCES OF FUNDING									
Transfer from General Fund	31,000	32,000	33,000	34,000	35,000	36,000			201,000
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

Donald England, Management and Budget Analyst (410) 386-2082

9882

This project provides ongoing funding for preventative maintenance and small repairs to County-maintained bridges, including: bridge seal, 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 River	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 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	78,000	82,000	85,000	89,000	94,000	99,000			527,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									

TOTAL	78,000	82,000	85,000	89,000	94,000	99,000	0	0	527,000
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SOURCES OF FUNDING									
Transfer from General Fund	78,000	82,000	85,000	89,000	94,000	99,000			527,000
Reallocated GF Transfer									0
Local Income Tax									0
Reallocated Local Income Tax									0

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

Brown Road over Roaring Run

Commissioner District: 2

Donald England, Management and Budget Analyst (410) 386-2082

Proj #

Functional Classification: Rural Local
 Average Daily Traffic: 395
 Bridge Number: CL 346



This project provides planned funding to replace the three cell corrugated steel pipe culverts, located in the central eastern area of Carroll County, with a new structure. The type of replacement structure will be determined based on an alternatives analysis. The structure is posted for weight limits.

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

	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			270,000						270,000
Land Acquisition									0
Site Work					116,000				116,000
Construction					1,108,000				1,108,000
Equipment/Furnishings									0
Other					215,000				215,000
EXPENDITURES									

TOTAL	0	0	270,000	0	1,439,000	0	0	0	1,709,000
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SOURCES OF FUNDING									
Transfer from General Fund									0
Reallocated GF Transfer									0
Bonds			54,000		355,800				409,800
Federal Highway/Bridge			216,000		1,083,200				1,299,200

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

Cleaning and Painting of Bridge Structural Steel

Donald England, Management and Budget Analyst (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 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	20,000	21,000	22,000	23,000	24,000	25,000			135,000
Land Acquisition									0
Site Work									0
Construction	214,000	225,000	236,000	248,000	260,000	273,000			1,456,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									

TOTAL	234,000	246,000	258,000	271,000	284,000	298,000	0	0	1,591,000
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SOURCES OF FUNDING									
Transfer from General Fund	47,000	49,000	52,000	54,000	57,000	63,000			322,000
Reallocated GF Transfer									0
Bonds									0
Federal Highway/Bridge	187,000	197,000	206,000	217,000	227,000	235,000			1,269,000

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

Gaither Road over South Branch Patapsco

Commissioner Districts: 4 and 5

Donald England, Management and Budget Analyst (410) 386-2082

8722

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



This project provides 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 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							275,000		275,000
Land Acquisition									0
Site Work	165,900								165,900
Construction	1,668,450								1,668,450
Equipment/Furnishings									0
Other	262,500								262,500
EXPENDITURES									

TOTAL	2,096,850	0	0	0	0	0	275,000	0	2,371,850
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SOURCES OF FUNDING									
Transfer from General Fund									0
Bonds	411,700						59,000		470,700
Reallocated Bonds									0
Federal Highway/Bridge	1,685,150						216,000		1,901,150

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

Hawks Hill Road over Little Pipe Creek Tributary

Commissioner District: 4

Donald England, Management and Budget Analyst (410) 386-2082

Proj #

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



This project provides 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 due to the overall length of the bridge.

	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	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	255,000	0	510,000	0	0	0	0	0	765,000
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SOURCES OF FUNDING									
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

Donald England, Management and Budget Analyst (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 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			250,000						250,000
Land Acquisition									0
Site Work						138,000			138,000
Construction						1,373,000			1,373,000
Equipment/Furnishings									0
Other						235,000			235,000
EXPENDITURES									

TOTAL	0	0	250,000	0	0	1,746,000	0	0	1,996,000
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SOURCES OF FUNDING									
Transfer from General Fund									0
Bonds			50,000			417,200			467,200
Reallocated Bonds									0
Federal Highway/Bridge			200,000			1,328,800			1,528,800

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

Old Kays Mill Road over Beaver Run

Commissioner District: 2

Donald England, Management and Budget Analyst (410) 386-2082

Proj #

Functional Classification: Rural Local
 Average Daily Traffic: 209
 Bridge Number: CL 344



This project provides planned funding to replace the three cell structural plate pipe culverts, located in the Finksburg area of Carroll County, with a new structure. The type of replacement structure will be determined based on an alternatives analysis. The structure is posted for weight limits.

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

	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			270,000						270,000
Land Acquisition									0
Site Work					180,000				180,000
Construction					1,831,000				1,831,000
Equipment/Furnishings									0
Other					285,000				285,000
EXPENDITURES									

TOTAL	0	0	270,000	0	2,296,000	0	0	0	2,566,000
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SOURCES OF FUNDING									
Transfer from General Fund									0
Reallocated GF Transfer									0
Bonds			54,000		527,200				581,200
Federal Highway/Bridge			216,000		1,768,800				1,984,800

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

Patapsco Road Bridge Deck Replacement

Commissioner District: 2

Donald England, Management and Budget Analyst (410) 386-2082

Proj #

Functional Classification: Minor Collector
 Average Daily Traffic: 147
 Bridge Number: CL 351



This project provides planned funding to replace the concrete deck on the structure, located in eastern Carroll County. This project also includes painting the steel beams and performing substructure masonry repairs.

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

	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					170,000				170,000
Land Acquisition									0
Site Work						28,000			28,000
Construction						280,000			280,000
Equipment/Furnishings									0
Other						116,000			116,000
EXPENDITURES									
TOTAL	0	0	0	0	170,000	424,000	0	0	594,000
SOURCES OF FUNDING									
Transfer from General Fund									0
Reallocated GF Transfer									0
Bonds					34,000	152,800			186,800
Federal Highway/Bridge					136,000	271,200			407,200
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			