

2021 - 2024 Transportation Improvement Program

Highway Preservation

Shepherds Mill Road Bridge over Little Pipe Creek

TIP ID	14-1102-13	Year of Operation	2022
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Minor Collector
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$4,101,450

Description:

This project includes replacement of the existing 3-span bridge with a new structure, including piers and abutments. The new structure will consist of two 12' travel lanes with 2' shoulders on each side of the road.

Engineering funds were approved in FY 2011.

Justification:

This work will address structural safety issues and deterioration of the existing structure. The new structure will address any functionally obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

Shepherds Mill Road Bridge over Little Pipe Creek

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$2,993	\$748	\$0	\$0	\$0	\$0	\$3,741
ОТН	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$2,993	\$748	\$0	\$0	\$0	\$0	\$3,741
L			1						
Total	\$0	\$0	\$2,993	\$748	\$0	\$0	\$0	\$0	\$3,741



2021 - 2024 Transportation Improvement Program

Highway Preservation

Stone Chapel Road Bridge over Little Pipe Creek

TIP ID	14-1103-13	Year of Operation	2023
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Minor Collector
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$922,000

Description:

This project includes rehabilitation of the existing bridge to provide efficient access for local truck traffic to MD 31. The bridge geometry and lane configuration will be determined during initial design.

Engineering funds were approved in FY 2020.

Justification:

The rehabilitation of this structure will allow for the roadway to carry the current legal loads and the weight limit postings will be eliminated. This project will enhance the safety of the county's infrastructure. The new structure will address any functionally obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

Stone Chapel Road Bridge over Little Pipe Creek

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$516	\$129	\$0	\$0	\$645
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$516	\$129	\$0	\$0	\$645
Total	\$0	\$0	\$0	\$0	\$516	\$129	\$0	\$0	\$645



2021 - 2024 Transportation Improvement Program

Highway Preservation

Babylon Road Bridge over Silver Run

TIP ID	14-1601-13	Year of Operation	2023
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Local
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$1,010,000

Description:

This project includes replacement of the existing bridge to provide efficient access for local traffic and emergency service vehicles. The planned lane configuration consists of two 10' travel lanes with 2' shoulders on each side of the road.

Engineering funds totaling \$280,000 were approved in FY 2016 and FY2018.

Justification:

The replacement of this structure will allow current legal vehicles to cross the structure and weight limit postings will be eliminated. This project will enhance the safety of the county's infrastructure. The new structure will address any functionally obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

Babylon Road Bridge over Silver Run

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$584	\$146	\$0	\$0	\$730
ОТН	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$584	\$146	\$0	\$0	\$730
L			1						
Total	\$0	\$0	\$0	\$0	\$584	\$146	\$0	\$0	\$730



2021 - 2024 Transportation Improvement Program

Highway Preservation

Gaither Road Bridge over South Branch Patapsco River

TIP ID	14-1602-13	Year of Operation	2023
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Minor Collector
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$2,272,000

Description:

This project includes rehabilitation of the existing bridge with a new superstructure (type TBD) to provide efficient access for local traffic and emergency service vehicles. The bridge geometry and lane configuration will be determined during initial design.

Justification:

The replacement of the superstructure will provide a long-term solution to the issues associated with an Acrow panel structure type. The new structure will address any functionally obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

Gaither Road Bridge over South Branch Patapsco River

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$1,598	\$399	\$0	\$0	\$0	\$0	\$1,997
ОТН	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$220	\$55	\$0	\$0	\$0	\$0	\$0	\$0	\$275
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$220	\$55	\$1,598	\$399	\$0	\$0	\$0	\$0	\$2,272
Total	\$220	\$55	\$1,598	\$399	\$0	\$0	\$0	\$0	\$2,272



2021 - 2024 Transportation Improvement Program

Highway Preservation

McKinstrys Mill Road Bridge over Sam's Creek

TIP ID	14-1603-13	Year of Operation	2023
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Local
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$1,147,000

Description:

This project includes replacement of the existing bridge with a new structure (type TBD) to provide efficient access for local traffic and emergency service vehicles. The bridge geometry and lane configuration will be determined during initial design.

Engineering funds were approved in FY 2020.

Justification:

The replacement of this structure will allow current legal vehicles to cross the structure and weight limit postings will be eliminated. This project will enhance the safety of the county's infrastructure. The new structure will address any functionally obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

McKinstrys Mill Road Bridge over Sam's Creek

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$694	\$173	\$0	\$0	\$867
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$694	\$173	\$0	\$0	\$867
l.			1						
Total	\$0	\$0	\$0	\$0	\$694	\$173	\$0	\$0	\$867



2021 - 2024 Transportation Improvement Program

Highway Preservation

Hughes Shop Road Bridge over Bear Branch

TIP ID	14-1802-13	Year of Operation	2023
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Local
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$1,697,000

Description:

This project includes replacement of the existing bridge with a new structure (type TBD). The bridge geometry and lane configuration will be determined during initial design.

Engineering funds were approved in FY 2020.

Justification:

The replacement of this structure will provide a new structure that eliminates the issues associated with the current structure type. The new structure will address any functionally obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

Hughes Shop Road Bridge over Bear Branch

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$1,128	\$282	\$0	\$0	\$1,410
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$1,128	\$282	\$0	\$0	\$1,410
L r			1						
Total	\$0	\$0	\$0	\$0	\$1,128	\$282	\$0	\$0	\$1,410



2021 - 2024 Transportation Improvement Program

Highway Preservation

Old Kays Mill Road Culvert over Beaver Run

TIP ID	14-2101-13	Year of Operation	2027
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Local
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$2,566,000

Description:

This project includes replacement of a 3-cell riveted steel structure plate pipe arch. The replacement structure type, geometry, and lane use configuration will be determined during initial design.

Justification:

The overall condition is fair. However, progression of defects continues. The original structure was constructed in 1974 and is nearing its life end. A replacement will address the condition issues and any functionally obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

Old Kays Mill Road Culvert over Beaver Run

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ОТН	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$216	\$54	\$270
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$216	\$54	\$270
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Total	\$0	\$0	\$0	\$0	\$0	\$0	\$216	\$54	\$270



2021 - 2024 Transportation Improvement Program

Highway Preservation

Brown Road Culvert over Roaring Run

TIP ID	14-2102-13	Year of Operation	2027
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Local
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$1,709,000

Description:

This project includes replacement of a 3-cell corrugated steel pipe arch. The replacement structure type, geometry, and lane use configuration will be determined during initial design.



The overall condition of the existing structure is poor. The inspection report recommends replacement. A replacement will address the condition issues and any functional obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

Brown Road Culvert over Roaring Run

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ОТН	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$216	\$54	\$270
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$216	\$54	\$270
			1						
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$216	\$54	\$270



2021 - 2024 Transportation Improvement Program

Highway Preservation

McKinstrys Mill Road over Little Pipe Creek

TIP ID	14-2103-13	Year of Operation	2027
Agency	Carroll County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Local
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$1,996,000

Description:

This project includes replacement of a 3-cell corrugated steel pipe arch. The replacement structure type, geometry, and lane use configuration will be determined during initial design.



The overall condition of the existing structure is poor. The inspection report recommends replacement. A replacement will address the condition issues and any functional obsolete or structurally deficient items.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

McKinstrys Mill Road over Little Pipe Creek

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$50	\$250
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$50	\$250
L r			1						
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$50	\$250



2021 - 2024 Transportation Improvement Program

Highway Preservation

Bridge Inspection Program

TIP ID	14-9401-14	Year of Operation	Ongoing
Agency	Carroll County	Project Type	Bridge inspections
Project Category	Highway Preservation	Functional Class	Varies
Conformity Status	Exempt	Physical Data	NA
CIP or CTP ID(s)		Est. Total Cost	\$1,040,000

Description:

This project includes a field inspection of 133 county owned and maintained structures and completion and submittal of inspection reports to county and state agencies for each structure.

Justification:

This project ensures compliance with the National Bridge Inspection Program, preserves highway infrastructure, and maintains safety.

Connection to Long-Range Transportation Planning Goals:





2021 - 2024 Transportation Improvement Program

Highway Preservation

Bridge Inspection Program

(Funding in Thousands)

Phase	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	FY 2024 Federal Funds	FY 2024 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ОТН	\$0	\$0	\$510	\$0	\$0	\$0	\$530	\$0	\$1,040
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$510	\$0	\$0	\$0	\$530	\$0	\$1,040
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Total	\$0	\$0	\$510	\$0	\$0	\$0	\$530	\$0	\$1,040