

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:

1.C Improve System Safety -- Eliminate hazardous or substandard conditions.

2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).



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Highway Preservation

Shepherds Mill Road Bridge over Little Pipe Creek

(Funding in Thousands)

Surface Transportation Block Grant Program

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
			1						
Total	\$0	\$0	\$2,993	\$748	\$0	\$0	\$0	\$0	\$3,741

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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.

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Connection to Long-Range Transportation Planning Goals:

- 1.C Improve System Safety -- Eliminate hazardous or substandard conditions.
- 2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).

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Highway Preservation

Stone Chapel Road Bridge over Little Pipe Creek

(Funding in Thousands)

Surface Transportation Block Grant Program

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
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	\$516	\$129	\$0	\$0	\$645
			1						
Total	\$0	\$0	\$0	\$0	\$516	\$129	\$0	\$0	\$645

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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:

1.C Improve System Safety -- Eliminate hazardous or substandard conditions.

2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).



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Highway Preservation

Babylon Road Bridge over Silver Run

(Funding in Thousands)

Surface Transportation Block Grant Program

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
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Total	\$0	\$0	\$0	\$0	\$584	\$146	\$0	\$0	\$730

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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.

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Connection to Long-Range Transportation Planning Goals:

- 1.C Improve System Safety -- Eliminate hazardous or substandard conditions.
- 2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).

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Highway Preservation

Gaither Road Bridge over South Branch Patapsco River

(Funding in Thousands)

Surface Transportation Block Grant Program

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
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Total	\$220	\$55	\$1,598	\$399	\$0	\$0	\$0	\$0	\$2,272

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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.

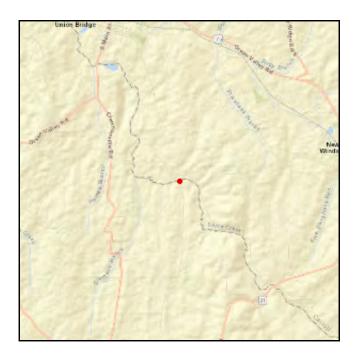
Justification:

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:

1.C Improve System Safety -- Eliminate hazardous or substandard conditions.

2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).



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Highway Preservation

McKinstrys Mill Road Bridge over Sam's Creek

(Funding in Thousands)

Surface Transportation Block Grant Program

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
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Total	\$0	\$0	\$0	\$0	\$694	\$173	\$0	\$0	\$867

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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.

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Connection to Long-Range Transportation Planning Goals:

1.C Improve System Safety -- Eliminate hazardous or substandard conditions.

2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).

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Highway Preservation

Hughes Shop Road Bridge over Bear Branch

(Funding in Thousands)

Surface Transportation Block Grant Program

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
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	\$1,128	\$282	\$0	\$0	\$1,410
Total	\$0	\$0	\$0	\$0	\$1,128	\$282	\$0	\$0	\$1,410

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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.

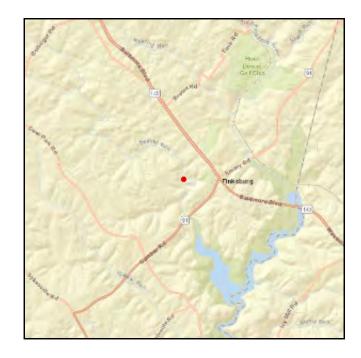
Justification:

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:

1.C Improve System Safety -- Eliminate hazardous or substandard conditions.

2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).



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Highway Preservation

Old Kays Mill Road Culvert over Beaver Run

(Funding in Thousands)

Surface Transportation Block Grant Program

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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$216	\$54	\$270

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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.

Justification:

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.

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Connection to Long-Range Transportation Planning Goals:

1.C Improve System Safety -- Eliminate hazardous or substandard conditions.

2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).

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Highway Preservation

Brown Road Culvert over Roaring Run

(Funding in Thousands)

Surface Transportation Block Grant Program

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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$216	\$54	\$270

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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.

Justification:

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.

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Connection to Long-Range Transportation Planning Goals:

1.C Improve System Safety -- Eliminate hazardous or substandard conditions.

2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).

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Highway Preservation

McKinstrys Mill Road over Little Pipe Creek

(Funding in Thousands)

Surface Transportation Block Grant Program

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	\$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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$50	\$250

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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:

- 1.C Improve System Safety -- Eliminate hazardous or substandard conditions.
- 2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).
- 9. Promote Informed Decision Making



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Highway Preservation

Bridge Inspection Program

(Funding in Thousands)

Surface Transportation Block Grant Program

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
			1						
Total	\$0	\$0	\$510	\$0	\$0	\$0	\$530	\$0	\$1,040

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