

Abingdon Road Bridge #169 over CSX Railroad

TIP ID	15-1001-13	Year of Operation	2022
Agency	Harford County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Minor Arterial
Conformity Status	Exempt	Physical Data	2 to 2 lanes
CIP or CTP ID(s)	H104501	Est. Total Cost	\$4,480,000

Description:

This project includes replacement of the bridge that carries Abingdon Road over the CSX Railroad tracks. A five foot sidewalk is planned on one side of the road.

Engineering funds were included in a previous TIP.

Justification:

Replacement is necessary due to the bridge's multiple deficiencies that include substandard railings and curbs, a deteriorating deck and deteriorating beams.

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).
- 2.F Improve and Maintain the Existing Infrastructure -- Improve the condition of pedestrian and bicycle facilities.





Abingdon Road Bridge #169 over CSX Railroad

(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	\$2,200	\$550	\$0	\$0	\$0	\$0	\$2,750
OTH	\$0	\$0	\$120	\$30	\$0	\$0	\$0	\$0	\$150
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	\$2,320	\$580	\$0	\$0	\$0	\$0	\$2,900
Total	\$0	\$0	\$2,320	\$580	\$0	\$0	\$0	\$0	\$2,900

Stafford Road Bridge #24 over Deer Creek

TIP ID	15-1501-13	Year of Operation	2022
Agency	Harford 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)	H154502	Est. Total Cost	\$3,100,000

Description:

This project includes replacement of the entire bridge superstructure including the bridge deck and steel beams. The current sufficiency rating is 52.3. A four foot shoulder is planned on the east side of the bridge.

Engineering funds were included in FY 2018. Additional engineering funds were included in FY 2020 to account for a design change from a deck replacement to a replacement of the entire superstructure.

Justification:

The bridge, built in 1950, shows numerous deficiencies and areas of deterioration. Replacing the bridge superstructure will extend its useful life for another 50 to 75 years.

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).





Stafford Road Bridge #24 over Deer 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	\$2,160	\$540	\$0	\$0	\$0	\$0	\$0	\$0	\$2,700
OTH	\$40	\$60	\$0	\$0	\$0	\$0	\$0	\$0	\$100
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	\$2,200	\$600	\$0	\$0	\$0	\$0	\$0	\$0	\$2,800
Total	\$2,200	\$600	\$0	\$0	\$0	\$0	\$0	\$0	\$2,800

Glenville Road Bridge #30 over Mill Brook

TIP ID	15-1601-13	Year of Operation	2023
Agency	Harford County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Local
Conformity Status	Not Exempt	Physical Data	1 to 2 lanes
CIP or CTP ID(s)	H164501	Est. Total Cost	\$1,735,000

Description:

This project includes replacement of the bridge that carries Glenville Road over Mill Brook. Three foot shoulders are planned on both sides of the road.

Engineering funds were included in a previous TIP.

Justification:

The existing bridge is a single lane, steel beam, concrete deck structure. The existing concrete deck, exterior beams, and wingwalls are severely deteriorated and there is evidence of scour under the western abutment.

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).





Glenville Road Bridge #30 over Mill Brook

(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	\$1,040	\$260	\$0	\$0	\$1,300
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	\$25	\$0	\$0	\$0	\$0	\$25
Subtotal	\$0	\$0	\$0	\$25	\$1,040	\$260	\$0	\$0	\$1,325
Total	\$0	\$0	\$0	\$25	\$1,040	\$260	\$0	\$0	\$1,325

Grier Nursery Road Bridge #43 over Deer Creek

TIP ID	15-2001-13	Year of Operation	2024
Agency	Harford 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)	H204520	Est. Total Cost	\$2,425,000

Description:

This project includes replacement of the entire superstructure for the Grier Nursery Road bridge over Deer Creek. The bridge will not include sidewalks but will include shoulders (width TBD during engineering).

Engineering funds were included in FY 2020.

Justification:

The deck is in poor condition. The project is consistent with the master planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

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).





Grier Nursery Road Bridge #43 over Deer 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	\$1,440	\$360	\$1,800
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$80	\$20	\$100
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$25	\$0	\$0	\$0	\$0	\$25
Subtotal	\$0	\$0	\$0	\$25	\$0	\$0	\$1,520	\$380	\$1,925
Total	\$0	\$0	\$0	\$25	\$0	\$0	\$1,520	\$380	\$1,925

Hookers Mill Road Bridge #13 over Bynum Run

TIP ID	15-2002-13	Year of Operation	2023
Agency	Harford 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)	H204521	Est. Total Cost	\$3,180,000

Description:

This project includes replacement of the entire bridge that carries Hookers Mill Road over Bynum Run. The design is anticipated to include a 30-foot clear roadway consisting of two 11-foot travel lanes and two 4-foot shoulders with a sidewalk on one side.

Engineering funds were included in FY 2020.

Justification:

The beams, deck and abutments are deteriorated and need to be replaced. This project is consistent with the master planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

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).
- 2.F Improve and Maintain the Existing Infrastructure -- Improve the condition of pedestrian and bicycle facilities.





Hookers Mill Road Bridge #13 over Bynum 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	\$2,000	\$500	\$0	\$0	\$2,500
OTH	\$0	\$0	\$0	\$0	\$120	\$30	\$0	\$0	\$150
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$30	\$0	\$0	\$0	\$0	\$30
Subtotal	\$0	\$0	\$0	\$30	\$2,120	\$530	\$0	\$0	\$2,680
Total	\$0	\$0	\$0	\$30	\$2,120	\$530	\$0	\$0	\$2,680

Madonna Road Bridge #113 over Deer Creek

TIP ID	15-2101-13	Year of Operation	2024
Agency	Harford County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Local
Conformity Status	Not Exempt	Physical Data	1 to 2 lanes
CIP or CTP ID(s)		Est. Total Cost	\$3,200,000

Description:

This project includes replacement of the entire bridge that carries Madonna Road over Deer Creek. The bridge will not include sidewalks but will include shoulders on each side of the roadway (width TBD during engineering).

Justification:

The beams, deck and abutments are deteriorated and need to be replaced. This project is consistent with the master planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

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).





Madonna Road Bridge #113 over Deer 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	\$2,000	\$500	\$2,500
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$120	\$30	\$150
ENG	\$400	\$100	\$0	\$0	\$0	\$0	\$0	\$0	\$500
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$50	\$0	\$0	\$0	\$0	\$50
Subtotal	\$400	\$100	\$0	\$50	\$0	\$0	\$2,120	\$530	\$3,200
Total	\$400	\$100	\$0	\$50	\$0	\$0	\$2,120	\$530	\$3,200

St. Clair Bridge Road Bridge #100 over Deer Creek

TIP ID	15-2102-13	Year of Operation	2027
Agency	Harford 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	\$500,000

Description:

This project includes replacement of the deck of the bridge carrying St. Clair Bridge Road over Deer Creek. The bridge will not include sidewalks but will include shoulders on each side of the roadway (width TBD during engineering). The estimated total cost includes only the cost of engineering. It will be updated once the scope of work for construction has been fully defined.

Justification:

The bridge deck is rated in fair condition. It is being replaced now to extend the useful life of the bridge and to avoid a full replacement. This project is consistent with the master planning goal of maintaining a safe and adequate transportation system to serve existing and future populations.

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).





St. Clair Bridge Road Bridge #100 over Deer 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
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$100	\$500
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	\$400	\$100	\$500
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$100	\$500

Stafford Road Bridge #162 over Buck Branch

TIP ID	15-2103-13	Year of Operation	2026
Agency	Harford 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	\$400,000

Description:

This project includes replacement of the deck of the bridge carrying Stafford Road over Buck Branch. The scope of work could develop into a superstructure replacement as the superstructure is rated in fair condition. The bridge will not include sidewalks but will include shoulders on each side of the roadway (width TBD during engineering). The estimated total cost includes only the cost of engineering. It will be updated once the scope of work for construction has been fully defined.

Justification:

The deck is in poor condition and the superstructure is in fair condition. This project is consistent with the master planning goal of maintaining a safe and adequate transportation system to serve existing and future populations

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).





Stafford Road Bridge #162 over Buck 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	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$0	\$320	\$80	\$0	\$0	\$400
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	\$320	\$80	\$0	\$0	\$400
Total	\$0	\$0	\$0	\$0	\$320	\$80	\$0	\$0	\$400

Trappe Church Road Bridge #161 over Hollands Branch

TIP ID	15-2104-13	Year of Operation	2025
Agency	Harford 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	\$300,000

Description:

This project includes replacement of the superstructure of the bridge carrying Trappe Church Road over Hollands Branch. The scope of work could develop into a full bridge replacement as the substructure is rated in poor condition. The bridge will not include sidewalks but will include shoulders on each side of the roadway (width TBD during engineering). The estimated total cost includes only the cost of engineering. It will be updated once the scope of work for construction has been fully defined.

Justification:

The deck, superstructure, and substructure are all in poor condition. This project is consistent with the master planning goal of maintaining a safe and adequate transportation system to serve existing and future populations

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).





Trappe Church Road Bridge #161 over Hollands 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	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$240	\$60	\$0	\$0	\$0	\$0	\$300
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$240	\$60	\$0	\$0	\$0	\$0	\$300
Total	\$0	\$0	\$240	\$60	\$0	\$0	\$0	\$0	\$300

Bridge Inspection Program

TIP ID	15-9411-14	Year of Operation	Ongoing
Agency	Harford County	Project Type	Bridge inspections
Project Category	Highway Preservation	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP or CTP ID(s)	H054501	Est. Total Cost	\$3,500,000

Description:

This federal program provides funding for the inspection of bridges in Harford County.

Justification:

Federal law mandates the inspection of all bridges over 20 feet clear span on a two-year cycle. The bridge inspection data is analyzed to develop priorities for bridge repairs & replacements. As of 2020, Harford County inspects a total of 245 bridges. 158 bridges are longer than 20 feet and are inspected with federal funding.

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





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
OTH	\$300	\$0	\$1,500	\$0	\$0	\$0	\$1,700	\$0	\$3,500
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	\$300	\$0	\$1,500	\$0	\$0	\$0	\$1,700	\$0	\$3,500
Total	\$300	\$0	\$1,500	\$0	\$0	\$0	\$1,700	\$0	\$3,500