

Dorsey Run Road: MD 175 to CSX Railroad Spur

TIP ID	16-1403-41	Year of Operation	2024
Agency	Howard County	Project Type	Roadway widening
Project Category	Highway Capacity	Functional Class	Major Collector
Conformity Status	Not Exempt	Physical Data	2 to 4 lanes, 1.1 miles
CIP or CTP ID(s)	J-4182	Est. Total Cost	\$12,200,000

Description:

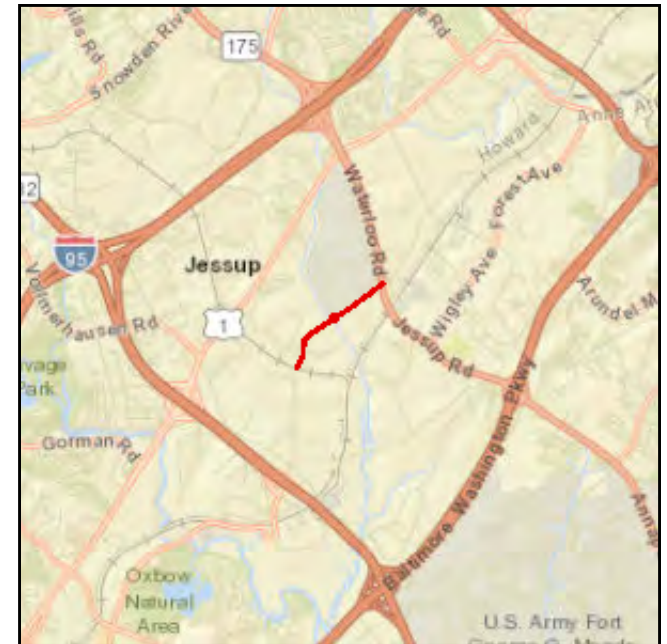
This project is to study, design, and reconstruct Dorsey Run Road to four lanes from MD 175 south to the CSX railroad spur crossing; a distance of 6,000 linear feet. The project will incorporate sidewalks, and bike facilities (paved shoulders), to increase transportation alternatives. Once the design is finalized, more information will be provided. This project is funded through local funds (bonds, developer contributions, excise tax, & excise tax backed bonds).

Justification:

The existing road is substandard with varying width and limited capacity. Dorsey Run Road is classified in the Plan Howard 2030 as a major collector and four lanes are needed to accommodate the increasing volumes of traffic.

Connection to Long-Range Transportation Planning Goals:

- 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.
- 4. Increase Mobility
- 7.E Promote Prosperity and Economic Opportunity -- Improve access to existing communities and regional generators of economic activity.





2021 - 2024 Transportation Improvement Program

Dorsey Run Road: MD 175 to CSX Railroad Spur

(Funding in Thousands)

Other

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	\$11,785	\$0	\$0	\$11,785
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	\$0	\$11,785	\$0	\$0	\$11,785
Total	\$0	\$0	\$0	\$0	\$0	\$11,785	\$0	\$0	\$11,785

Guilford Road: US 1 to Dorsey Run Road

TIP ID	16-1405-41	Year of Operation	2024
Agency	Howard County	Project Type	Roadway widening
Project Category	Highway Capacity	Functional Class	Major Collector
Conformity Status	Not Exempt	Physical Data	2 to 3 lanes; 1 mile
CIP or CTP ID(s)	J-4181	Est. Total Cost	\$16,500,000

Description:

This project is to study, design, and reconstruct Guilford Road to three lanes from US 1 to Old Dorsey Run Road; a distance of 5,800 linear feet. The project will incorporate sidewalks to increase transportation alternatives. Once the design is finalized, more information will be provided. This project is funded through local funds (bonds, developer contributions, excise tax, excise tax backed bonds).

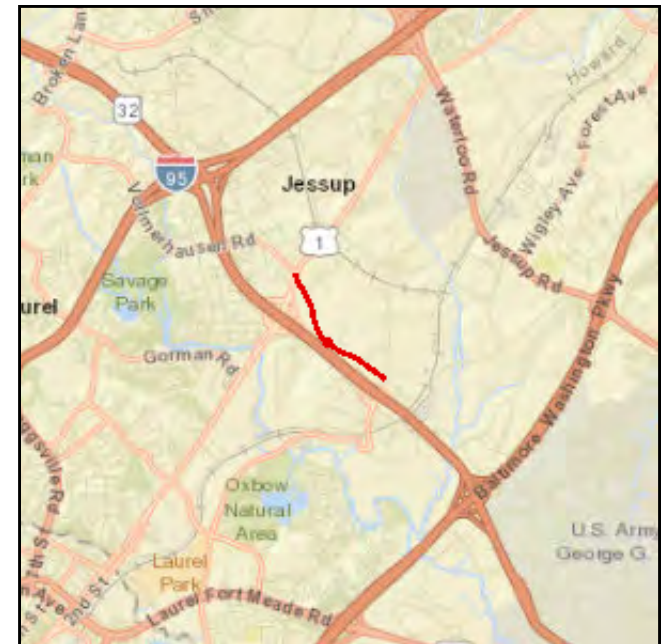
This project has been divided into phases. Phase I involves improvements at the intersection of US 1 and Guilford Road. Phase II will widen Guilford Road between Stayton Drive and Old Dorsey Run Road.

Justification:

The existing road is sub-standard with varying width and limited capacity. Guilford Road is classified as a major collector in the Plan Howard 2030 and three lanes are needed to accommodate the increasing volume of commercial traffic.

Connection to Long-Range Transportation Planning Goals:

- 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.
- 4. Increase Mobility
- 7.E Promote Prosperity and Economic Opportunity -- Improve access to existing communities and regional generators of economic activity.





Guilford Road: US 1 to Dorsey Run Road

(Funding in Thousands)

Other

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	\$1,500	\$0	\$12,300	\$13,800
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$500
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$500	\$0	\$0	\$0	\$1,500	\$0	\$12,300	\$14,300
Total	\$0	\$500	\$0	\$0	\$0	\$1,500	\$0	\$12,300	\$14,300

MD 175 at Oakland Mills Road Interchange

TIP ID	16-1407-46	Year of Operation	2023
Agency	Howard County	Project Type	New interchange
Project Category	Highway Capacity	Functional Class	Other Principal Arterial
Conformity Status	Not Exempt	Physical Data	Interchange
CIP or CTP ID(s)	J-4237	Est. Total Cost	\$25,000,000

Description:

This project involves construction of a grade-separated bridge with ramps at MD 175/Oakland Mills Road extended. It will provide access to and from Howard County Blandair Park. The project will incorporate sidewalks and bike facilities to increase transportation alternatives. Once the design is finalized, more information will be provided. This project is funded through local funds (bonds and excise tax backed bonds).

Phase I involved improvements in Blandair Park and was completed in 2018. Phase II includes the grade-separated bridge with ramps at MD 175/Oakland Mills Road and will be complete in 2023.

Justification:

MD 175, an 8-lane principal arterial from I-95 to US 29, has significant regional peak hour traffic. The proposed interchange with Oakland Mills Road will ensure future capacity, level of service, and acceptable operating conditions, as well as improved access to Blandair park.



Connection to Long-Range Transportation Planning Goals:

- 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.
- 4. Increase Mobility
- 7.E Promote Prosperity and Economic Opportunity -- Improve access to existing communities and regional generators of economic activity.



2021 - 2024 Transportation Improvement Program

MD 175 at Oakland Mills Road Interchange

(Funding in Thousands)

Other

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	\$10,500	\$0	\$0	\$0	\$0	\$10,500
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$0	\$0	\$1,500	\$0	\$0	\$0	\$0	\$1,500
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$0	\$12,000	\$0	\$0	\$0	\$0	\$12,000
Total	\$0	\$0	\$0	\$12,000	\$0	\$0	\$0	\$0	\$12,000

Snowden River Parkway: Broken Land Parkway to Oakland Mills Road

TIP ID	16-1410-41	Year of Operation	2025
Agency	Howard County	Project Type	Roadway widening
Project Category	Highway Capacity	Functional Class	Minor Arterial
Conformity Status	Not Exempt	Physical Data	4 to 6 lanes, 6300 feet
CIP or CTP ID(s)	J-4222	Est. Total Cost	\$12,275,000

Description:

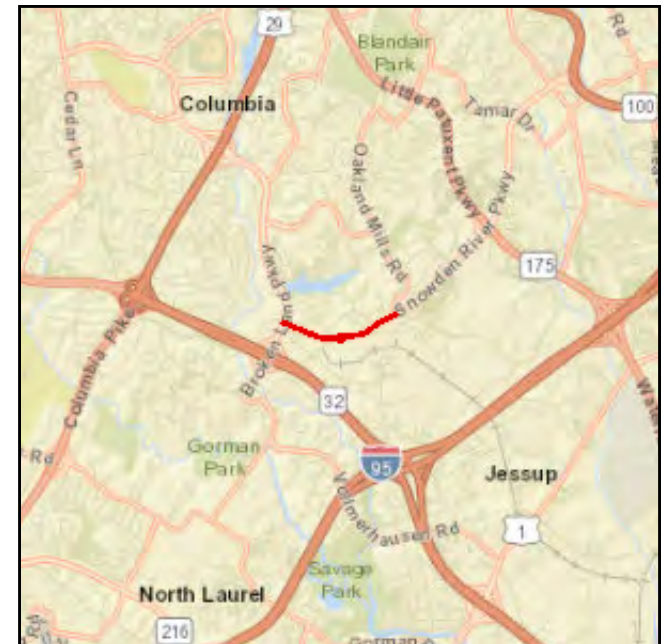
This project will design and widen Snowden River Parkway by adding a third lane in each direction and shared-use paths from Broken Land Parkway to Oakland Mills Road. The project will incorporate shared use pathways to increase transportation alternatives to activity centers and public transit. This project is funded through local funds (bonds, developer contributions, and excise tax backed bonds).

Justification:

This project will develop the third lane on each side between these two intersections to increase the capacity of the roadway and improve level of service to county standards. This project was requested by the Traffic Division.

Connection to Long-Range Transportation Planning Goals:

- 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.
- 3.E Improve Accessibility -- Provide or improve pedestrian and bicycle facilities that link to activity centers and public transit.
- 4. Increase Mobility





Snowden River Parkway: Broken Land Parkway to Oakland Mills Road

(Funding in Thousands)

Other

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	\$500	\$0	\$0	\$0	\$2,500	\$0	\$2,500	\$5,500
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$400	\$0	\$100	\$0	\$300	\$0	\$300	\$1,100
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$200	\$0	\$200	\$0	\$50	\$0	\$50	\$500
Subtotal	\$0	\$1,100	\$0	\$300	\$0	\$2,850	\$0	\$2,850	\$7,100
Total	\$0	\$1,100	\$0	\$300	\$0	\$2,850	\$0	\$2,850	\$7,100

US 29/Broken Land Parkway Interchange and North South Connector Road

TIP ID	16-1901-42	Year of Operation	2023
Agency	Howard County	Project Type	New or extended roadways
Project Category	Highway Capacity	Functional Class	Major Collector
Conformity Status	Not Exempt	Physical Data	3.1 miles of new lanes on ramps and new roadways
CIP or CTP ID(s)	CO-319	Est. Total Cost	\$26,950,990

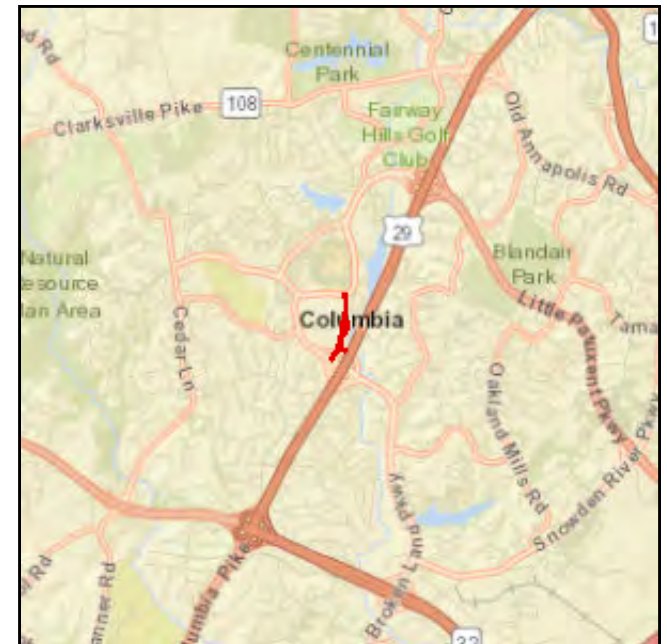
Description:

The project will provide new direct connections from the westbound US 29/Broken Land Parkway interchange ramp to a new road (Merriweather Drive) and to Little Patuxent Parkway. The project will also provide a direct connection from Merriweather Drive to Broken Land Parkway, including configuring the north and south bound US 29 ramps at Broken Land Parkway into a signalized intersection. The project will also remove an existing ramp from Broken Land Parkway to US 29 southbound.

The project will be funded locally through the recently approved tax increment financing (TIF) district.

Justification:

The new US 29/Broken Land Parkway north/south collector road connection to Little Patuxent Parkway is needed to increase vehicular and pedestrian mobility, address safety concerns, and provide adequate capacity to meet the future growth and development as outlined in Downtown Columbia. The project will address the future traffic demand along the Broken Land Parkway link from US 29 to downtown Columbia by providing an additional access and new central link to downtown Columbia for traffic from points southeast of Columbia and primarily for US 29 traffic to and from the south.



Connection to Long-Range Transportation Planning Goals:

- 2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).
- 6.F Improve System Security -- Increase system redundancy.
- 7.D Promote Prosperity and Economic Opportunity -- Invest within local- and state-designated growth areas.



US 29/Broken Land Parkway Interchange and North South Connector Road

(Funding in Thousands)

Other

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	\$12,825	\$0	\$12,826	\$0	\$0	\$25,651
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$750	\$0	\$0	\$0	\$0	\$0	\$0	\$750
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$750	\$0	\$12,825	\$0	\$12,826	\$0	\$0	\$26,401
Total	\$0	\$750	\$0	\$12,825	\$0	\$12,826	\$0	\$0	\$26,401

Marriottsville Road and I-70 Bridge Improvements

TIP ID	16-2101-41	Year of Operation	2022
Agency	Howard County	Project Type	Roadway widening
Project Category	Highway Capacity	Functional Class	Major Collector
Conformity Status	Not Exempt	Physical Data	1.5 miles, 2 to 4 lanes
CIP or CTP ID(s)	J-4205	Est. Total Cost	\$26,330,000

Description:

This project is to design and widen Marriottsville Road from just south of US 40 to MD 99 from two to four lanes, including replacing the existing two lane bridge on Marriottsville Road over I-70 with a four lane section. The proposed bridge will also include six feet wide bicycle lanes and ADA compliant sidewalks on both sides of the proposed bridge. The project is divided into four phases:

- *Phase I includes the widening of Marriottsville Road from I-70 to MD 99 (complete)
- *Phase II includes improvements to the ramp for I-70 eastbound (complete)
- *Phase III includes the widening of Marriottsville Road from US 40 to the I-70 bridge
- *Phase IV includes the construction of the I-70 bridge

Justification:

Increasing traffic and new development will necessitate the improvement of the roadway as well as the bridge.

Howard County and MDOT SHA executed an MOU for TMDL work in 2019. MDOT SHA is funding TMDL design and construction in the form of intermittent reimbursement to the county in the amounts of \$200k and \$630k, respectively. The remainder of the project is funded by Howard County.



Connection to Long-Range Transportation Planning Goals:

- 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.
- 4. Increase Mobility



Marriottsville Road and I-70 Bridge Improvements

(Funding in Thousands)

Other

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	\$630	\$0	\$18,000	\$0	\$0	\$0	\$0	\$18,630
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$200	\$0	\$2,375	\$0	\$0	\$0	\$0	\$2,575
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$830	\$0	\$20,375	\$0	\$0	\$0	\$0	\$21,205
Total	\$0	\$830	\$0	\$20,375	\$0	\$0	\$0	\$0	\$21,205

Bridge Repairs and Deck Replacement

TIP ID	16-0436-13	Year of Operation	Ongoing
Agency	Howard County	Project Type	Bridge repair/deck replacement
Project Category	Highway Preservation	Functional Class	Varies
Conformity Status	Exempt	Physical Data	Varies
CIP or CTP ID(s)	Various projects	Est. Total Cost	\$10,124,000

Description:

This project is to repair/replace bridge decks at the following locations with a mix of county match and federal funding. The project also includes emergency structure reconstruction.

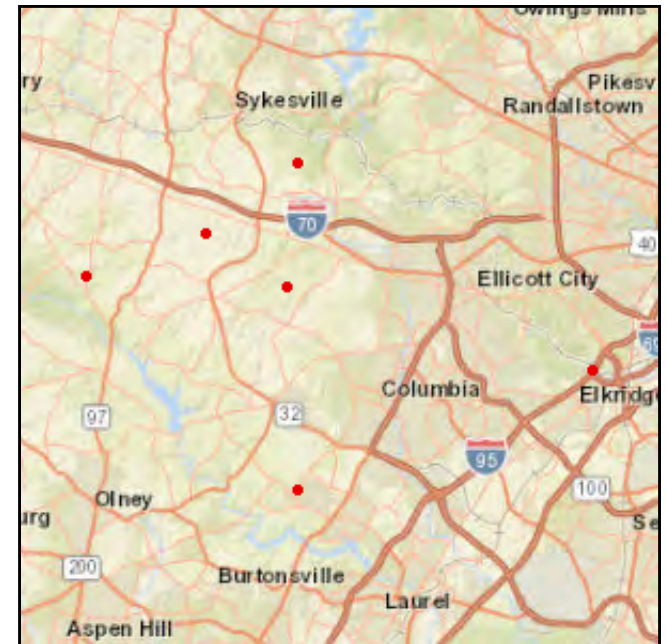
1. River Road bridge over Rockburn Branch. Local funds (~2.5 foot shoulders)
2. Henryton Road bridge over a tributary to the Patapsco River (~2.5 foot shoulders). Federal funds and local match
3. Pindell School Road bridge over Hammond Branch (~6 foot shoulders). Local funds
4. Daisy Road bridge over Little Cattail Creek (~6 foot shoulders). Federal funds and local match
5. Pfefferkorn Road bridge over Middle Patuxent River (shoulders TBD: in design). Local funds
6. Carroll Mill Road bridge over Benson Branch (shoulders TBD: in design). Federal funds and local match

Justification:

This project will alleviate bridge deterioration and improve the safety and longevity of all bridges included in the bridge repair and rehabilitation program.

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).





Bridge Repairs and Deck Replacement

(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	\$2,360	\$3,879	\$960	\$1,140	\$0	\$0	\$0	\$0	\$8,339
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENG	\$0	\$490	\$0	\$100	\$0	\$0	\$0	\$0	\$590
PL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$30
Subtotal	\$2,360	\$4,399	\$960	\$1,240	\$0	\$0	\$0	\$0	\$8,959
Total	\$2,360	\$4,399	\$960	\$1,240	\$0	\$0	\$0	\$0	\$8,959