



IMPROVE 81

ROUND 3 PUBLIC MEETINGS -
STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 1 of 4 – Bristol

Scale

Miles

0 0.75 1.5

US Feet

0 1,500 3,000 6,000 9,000

Legend

LEGEND: Existing Conditions

PERFORMANCE MEASURES BY DIRECTION

Existing Widening Projects

Crash Severity

Crash Frequency

Person-Hours of Delay

Person-Hours of Incident Delay (lane closure > 1 hr)

EXAMPLES OF PUBLIC COMMENTS

3 comments indicated safety issues in this segment.

4 comments indicated congestion issues in this segment.

5 comments indicated truck operations issues in this segment.

3 comments indicated other issues in this segment.

PUBLIC COMMENTS (Summarized by Mile in Each Direction)

Safety

Crashes, speeding, and aggressive driving

Truck Operations

Parking, heavy truck volumes

Congestion

Delays, queues (including ramp), difficulty merging and weaving

Other

Grades, curves, narrow shoulders, pavement marking, signing, and other

Indicates number of comments identified by the public in Round 1 of engagement

LEGEND: Potential Improvements

+1 Widening

Auxiliary Lane

Improvements Included in the Staff Recommend Funding Scenario

Improvements Not Included in the Staff Recommended Funding Scenario

Acceleration/Deceleration Extension

Realignment

Previously Funded I-81 Corridor Improvement Program Project

Curve Improvements

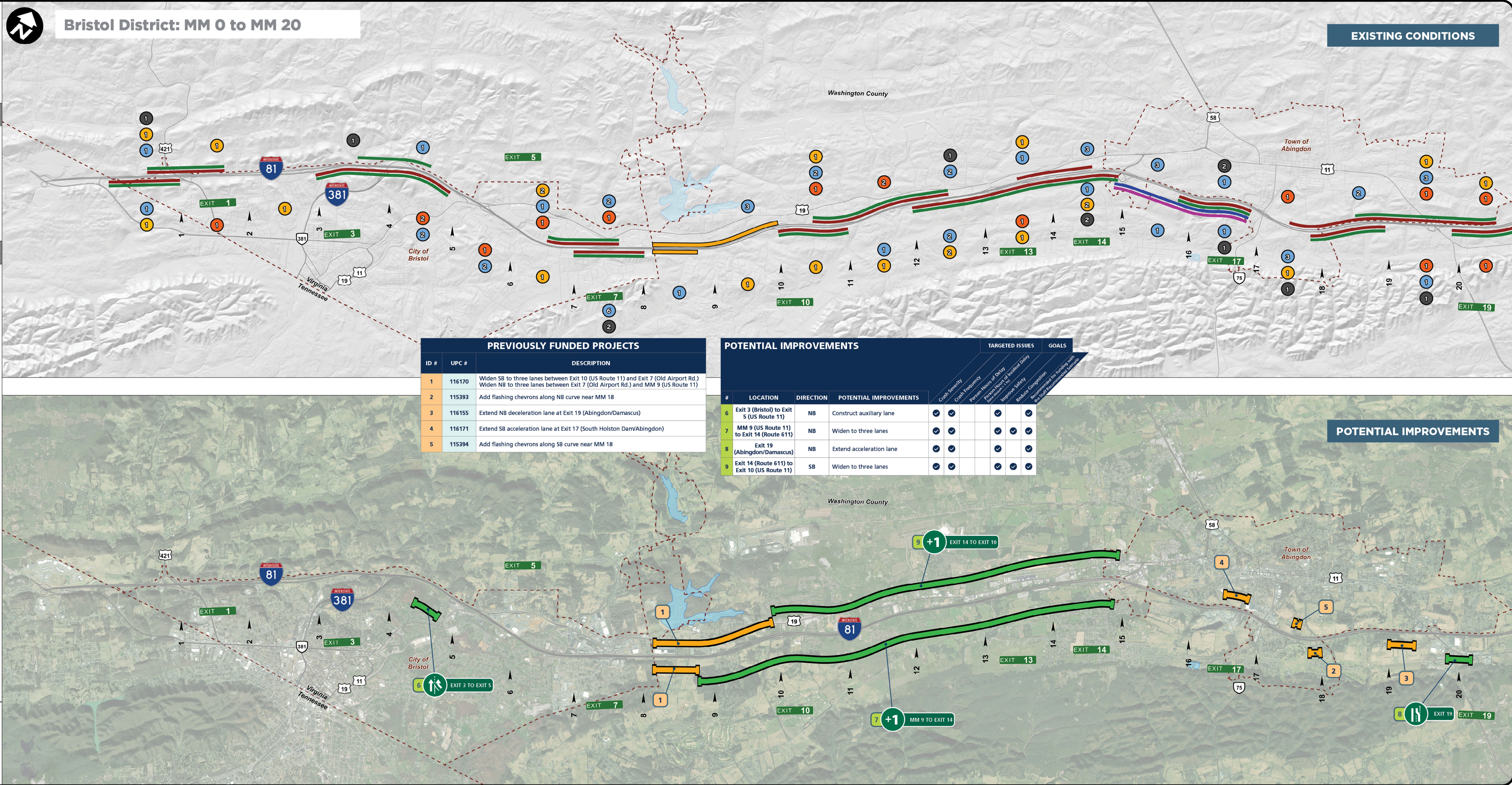
Truck Climbing Lane

Reference

Mile Marker (MM)



Data Sources: Virginia Department of Transportation 2019, Virginia Geographic Information Network 2019, Airbus, USGS, NGA, NASA, NOAA, CGIAR, GEBCO, NCEAS, NLS, OS, NMA, Geodatastyrelsen, GSA, GSI and the GIS User Community, Maxar



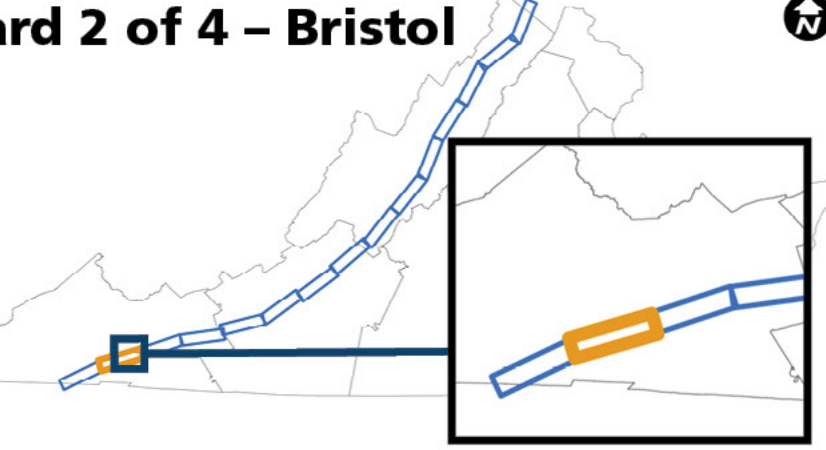


IMPROVE 81

ROUND 3 PUBLIC MEETINGS - STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 2 of 4 – Bristol



Scale

Miles

0 0.75 1.5

US Feet

0 1,500,000 6,000 9,000

Legend

LEGEND: Existing Conditions

PERFORMANCE MEASURES BY DIRECTION

Existing Widening Projects

Crash Severity

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LEGEND: Potential Improvements

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Auxiliary Lane

Acceleration/Deceleration Extension

Realignment

Curve Improvements

Truck Climbing Lane

Improvements Included in the Staff Recommend Funding Scenario

Previously Funded I-81 Corridor Improvement Program Project

Improvements Not Included in the Staff Recommended Funding Scenario

Reference

Mile Marker (MM)

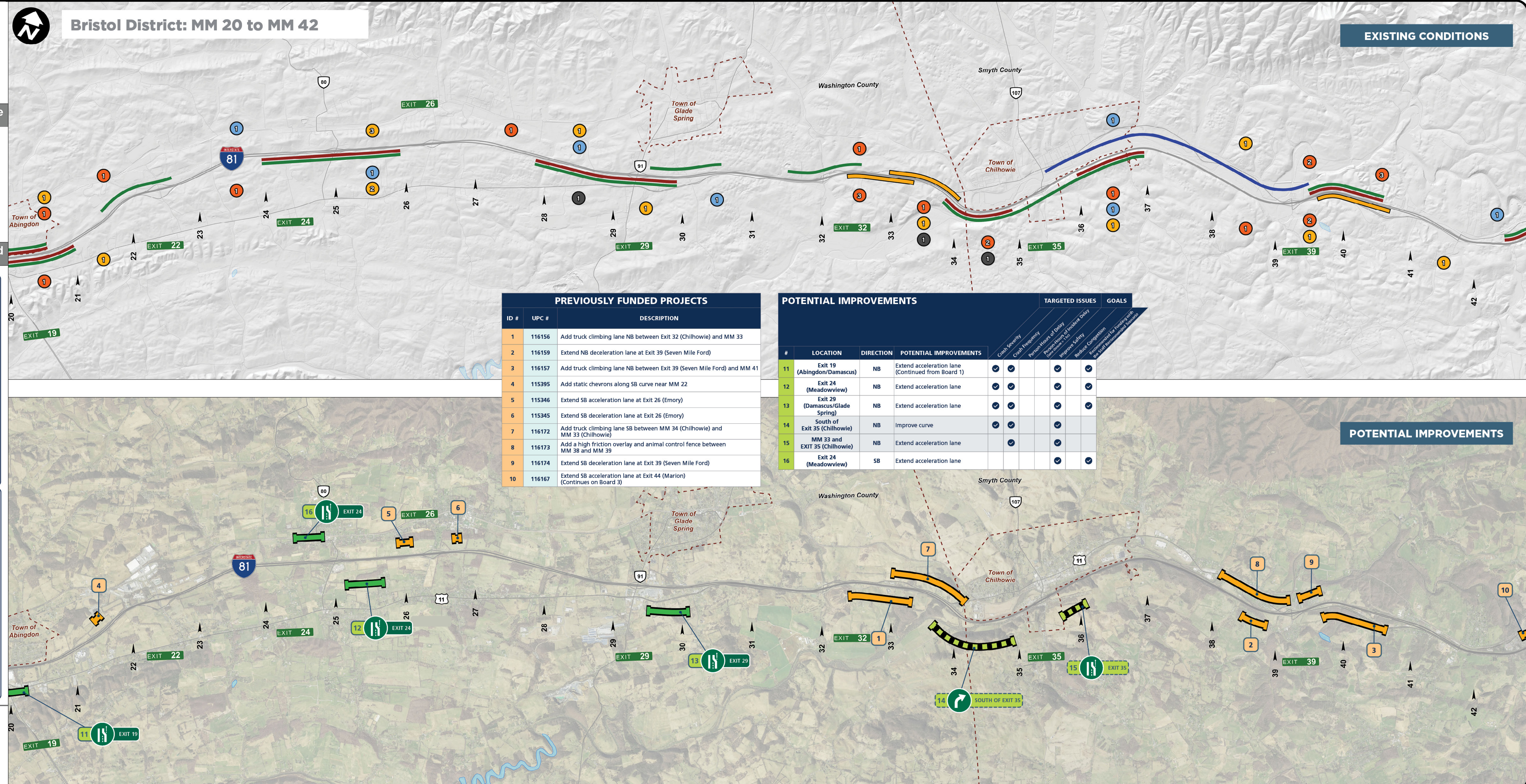


Virginia Department of Transportation

Data Sources: Virginia Department of Transportation 2019, Virginia Geographic Information Network 2019, Airbus, USGS, NOAA, CGIAR, GEBCO, NCEAS, NLS, OS, NMA, Geodatastyrelsen, GSA, GSI and the GIS User Community, Virginia Geographic

Bristol District: MM 20 to MM 42

EXISTING CONDITIONS



PREVIOUSLY FUNDED PROJECTS

ID #	UPC #	DESCRIPTION
1	116156	Add truck climbing lane NB between Exit 32 (Chilhowie) and MM 33
2	116159	Extend NB deceleration lane at Exit 39 (Seven Mile Ford)
3	116157	Add truck climbing lane NB between Exit 39 (Seven Mile Ford) and MM 41
4	115395	Add static chevrons along SB curve near MM 22
5	115346	Extend SB acceleration lane at Exit 26 (Emory)
6	115345	Extend SB deceleration lane at Exit 26 (Emory)
7	116172	Add truck climbing lane SB between MM 34 (Chilhowie) and MM 33 (Chilhowie)
8	116173	Add a high friction overlay and animal control fence between MM 38 and MM 39
9	116174	Extend SB deceleration lane at Exit 39 (Seven Mile Ford)
10	116167	Extend SB acceleration lane at Exit 44 (Marion) (Continues on Board 3)

POTENTIAL IMPROVEMENTS

#	LOCATION	DIRECTION	POTENTIAL IMPROVEMENTS	Crash Severity	Crash Frequency	Person-Hours of Delay	Person-Hours of Incident Delay	Improve Safety	Reduce Congestion	Recommendation for Funding with the Staff Recommended Scenario
11	Exit 19 (Abingdon/Damascus)	NB	Extend acceleration lane (Continued from Board 1)	✓	✓		✓	✓		
12	Exit 24 (Meadowview)	NB	Extend acceleration lane	✓	✓		✓	✓		
13	Exit 29 (Damascus/Glade Spring)	NB	Extend acceleration lane	✓	✓		✓	✓		
14	South of Exit 35 (Chilhowie)	NB	Improve curve	✓	✓		✓			
15	MM 33 and Exit 35 (Chilhowie)	NB	Extend acceleration lane		✓		✓			
16	Exit 24 (Meadowview)	SB	Extend acceleration lane				✓		✓	

POTENTIAL IMPROVEMENTS

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STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 3 of 4 – Bristol

Scale

Miles

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US Feet

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LEGEND: Existing Conditions

PERFORMANCE MEASURES BY DIRECTION

- Existing Widening Projects
- Crash Severity
- Crash Frequency
- Person-Hours of Delay
- Person-Hours of Incident Delay (lane closure > 1 hr)

PUBLIC COMMENTS
(Summarized by Mile in Each Direction)

- Safety**
Crashes, speeding, and aggressive driving
- Truck Operations**
Parking, heavy truck volumes
- Congestion**
Delays, queues (including ramp), difficulty merging and weaving
- Other**
Grades, curves, narrow shoulders, pavement marking, signing, and other

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LEGEND: Potential Improvements

- +1 Widening
- Auxiliary Lane
- Acceleration/Deceleration Extension
- Realignment
- Curve Improvements
- Truck Climbing Lane

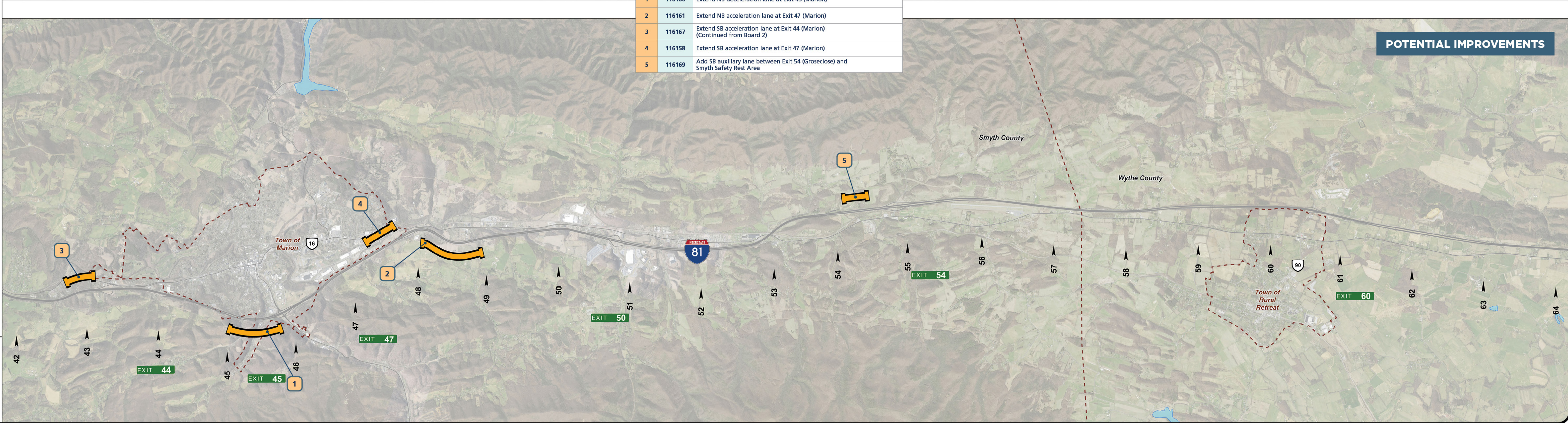
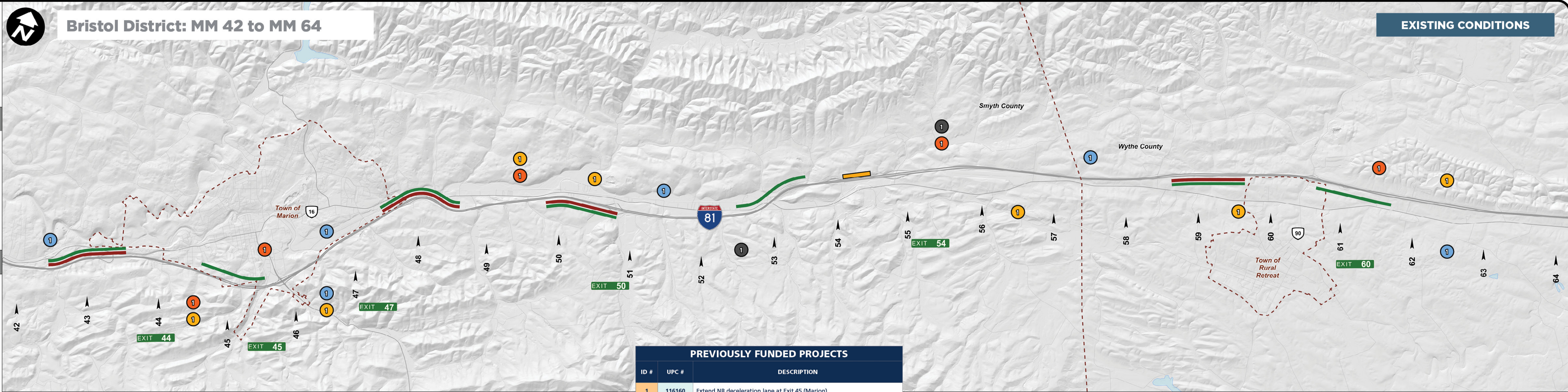
Improvements Included in the Staff Recommend Funding Scenario

Previously Funded I-81 Corridor Improvement Program Project

Improvements Not Included in the Staff Recommended Funding Scenario

Reference

➤ Mile Marker (MM)



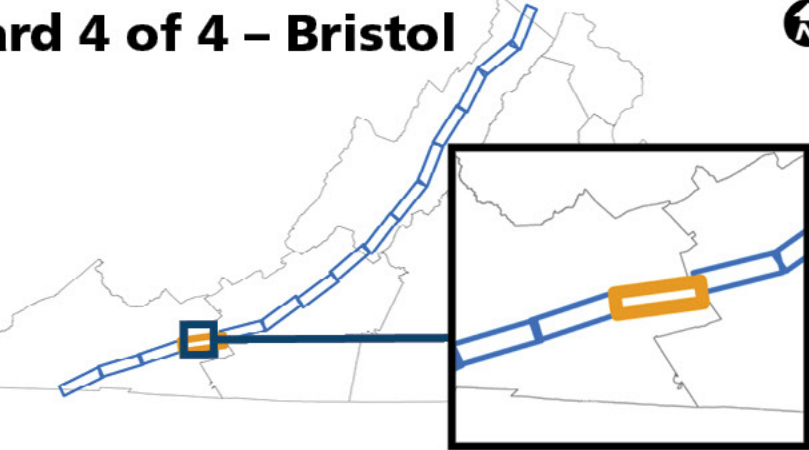


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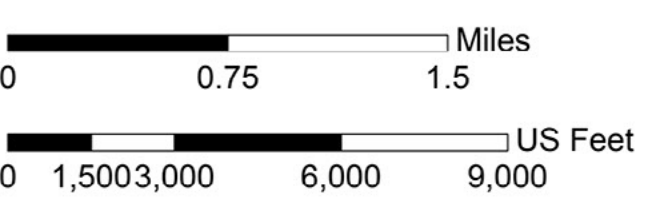
ROUND 3 PUBLIC MEETINGS -
STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 4 of 4 – Bristol



Scale



Legend

LEGEND: Existing Conditions

PERFORMANCE MEASURES BY DIRECTION

Existing Widening Projects

Crash Severity

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Bristol District: MM 64 to MM 87

EXISTING CONDITIONS

POTENTIAL IMPROVEMENTS

ID #	UPC #	DESCRIPTION
1	116162	Extend NB deceleration lane at Exit 67 (Wytheville)
2	115600	Add flashing chevrons along NB curve near MM 68
3	116163	Extend NB deceleration lane and SB acceleration lane at Exit 72 (I-77 to WV)
4	116175	Add auxiliary lane between I-77 Exit 40 (I-81 South to Bristol) and I-81 Exit 72 (I-77 to WV)
5	116164	Reconfigure NB off-ramp and on-ramp at I-77 Exit 41 (Peppers Ferry Rd.)
6	116168	Add SB auxiliary lane between Exit 73 (E. Main Street) and Exit 72 (I-77 to WV)
7	116166	Extend SB deceleration lane at Exit 81 (I-77 to NC)
8	116165	Extend SB deceleration lane at Exit 84 (Grahams Forge)

#	LOCATION	DIRECTION	POTENTIAL IMPROVEMENTS	Crash Severity	Crash Frequency	Person-Hours of Delay	Person-Hours of Incident Delay	Improve Safety	Reduce Congestion	Recommended for funding with the staff recommended scenario
9	MM 67 (Wytheville) to MM 69 (N 4th Street)	NB	Improve curves	✓	✓		✓			