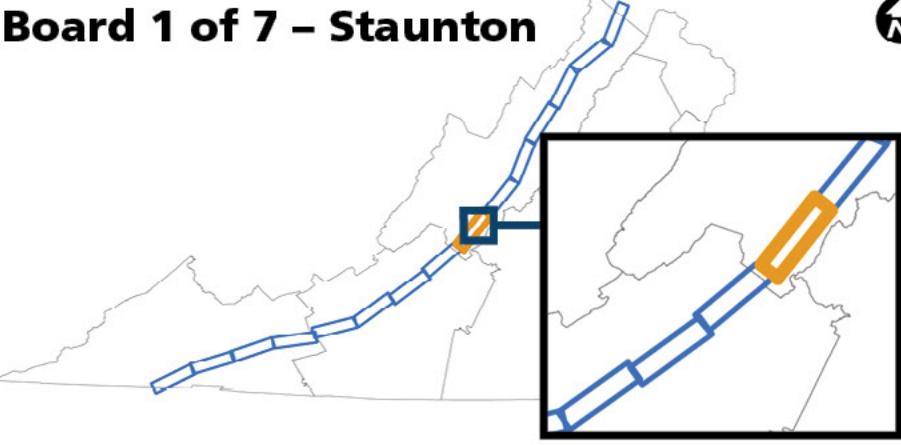




Project Location

Scale

Board 1 of 7 – Staunton



Legend

LEGEND: Existing Conditions

PERFORMANCE MEASURES BY DIRECTION

Metric	Relative Value (Longest to Shortest)
Person-Hours of Incident Delay (lane closure > 1 hr)	1 (Longest)
Person-Hours of Delay	2
Crash Frequency	3
Crash Severity	4 (Shortest)

PUBLIC COMMENTS

(Summarized by Mile in Each Direction)

-  **Safety**
Crashes, speeding, and aggressive driving
 -  **Truck Operations**
Parking, heavy truck volumes
 -  **Congestion**
Delays, queues (including ramps), 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

- The diagram displays six types of traffic engineering treatments arranged in two rows of three. Each treatment is represented by a green circular icon with a white symbol, followed by its name in bold black text.

 - Widening:** Icon shows a road with a white '1' in a green circle.
 - Acceleration/Deceleration Extension:** Icon shows a road with a white 'H' in a green circle.
 - Curve Improvements:** Icon shows a road with a white 'P' in a green circle.
 - Auxiliary Lane:** Icon shows a road with a white 'A' in a green circle.
 - Realignment:** Icon shows a road with a white 'R' in a green circle.
 - Truck Climbing Lane:** Icon shows a road with a white 'T' in a green circle.

-  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

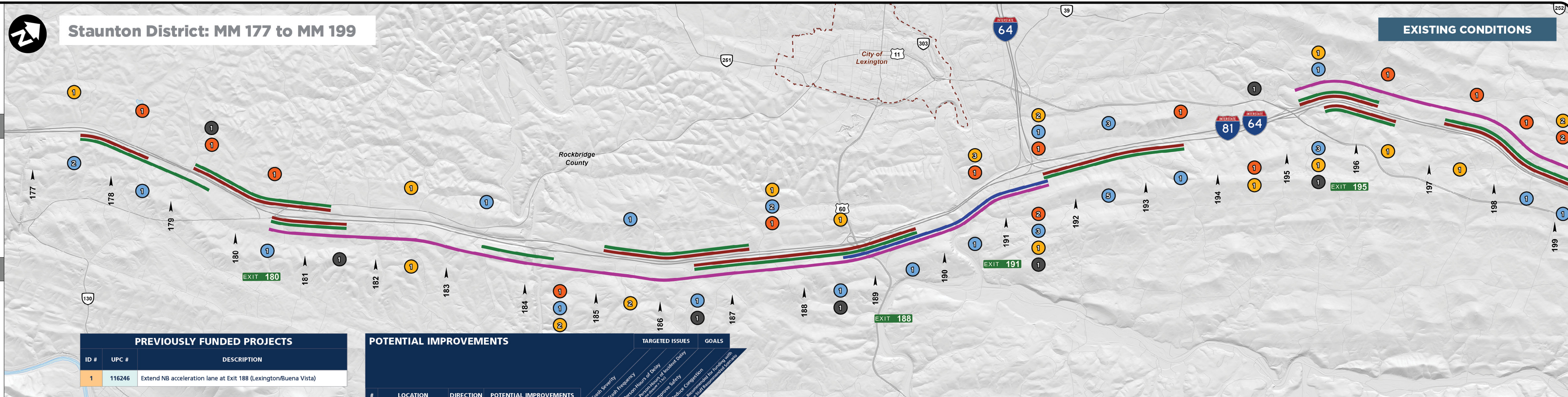
Reference

► Mile Marker (MM)

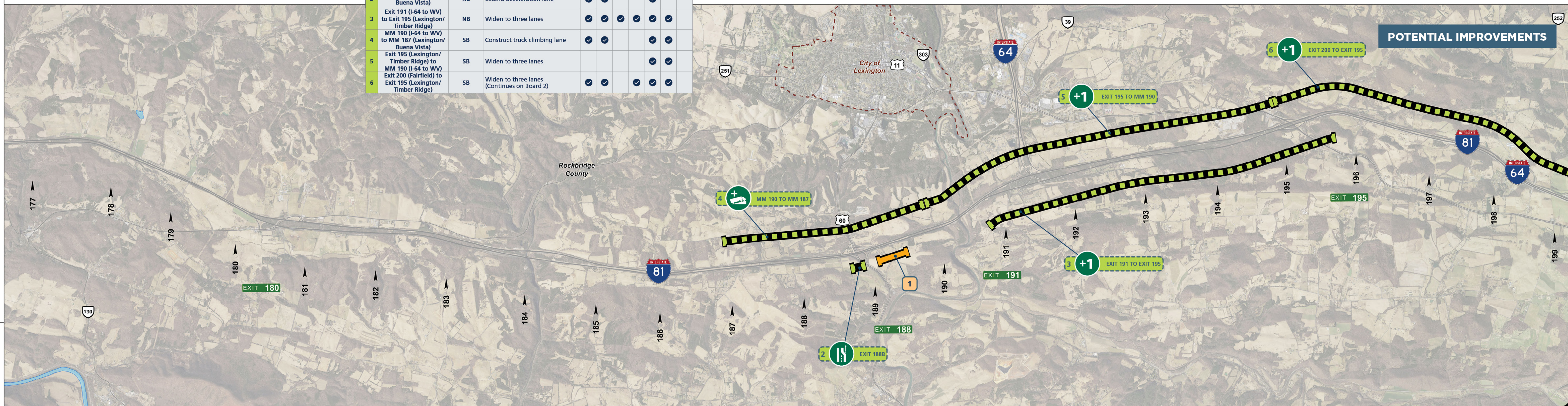


Data Sources: Virginia Department of Transportation 2019, Virginia Geographic Information Network 2019, Airbus, USGS, NGA, NASA, NOAA, CGIAR, GEBCO, NCEAS, NLS, OS, NMA, Geodatastyrelsen, GSA, GSI and the GIS User Community, Virginia Geographic

Staunton District: MM 177 to MM 199



POTENTIAL IMPROVEMENTS



INTERSTATE

81

IMPROVE 81

ROUND 3 PUBLIC MEETINGS -
STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 2 of 7 – Staunton

Scale

Miles

00.751.5

US Feet

01,5003,0006,0009,000

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)

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

EXAMPLES OF PUBLIC COMMENTS

3

3 comments indicated safety issues in this segment.

4

4 comments indicated congestion issues in this segment.

5

5 comments indicated truck operations issues in this segment.

3

3 comments indicated other issues in this segment.

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

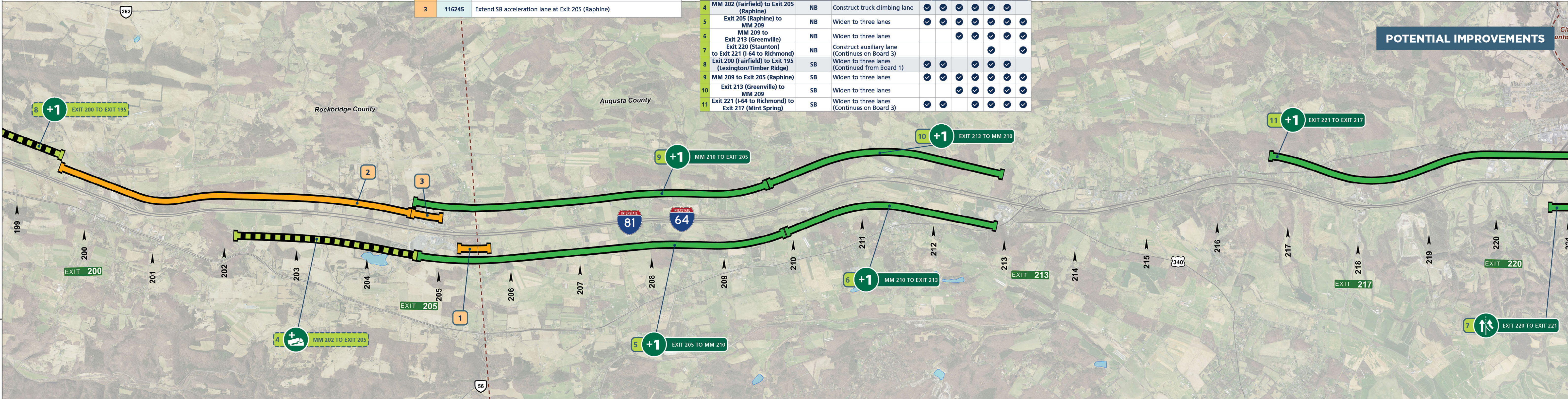
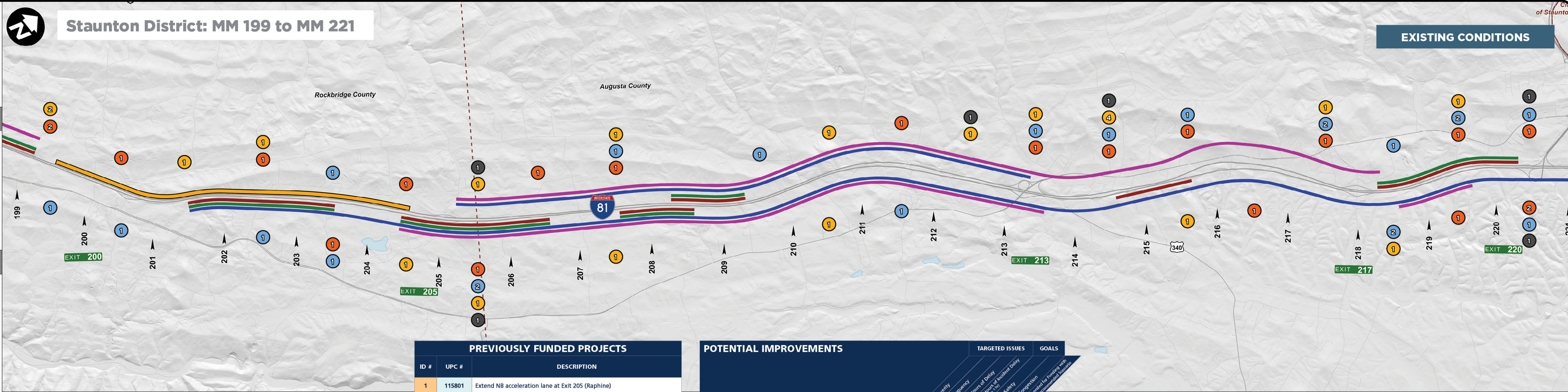
Previously Funded I-81 Corridor Improvement Program Project

Curve Improvements

Truck Climbing Lane

Reference

Mile Marker (MM)



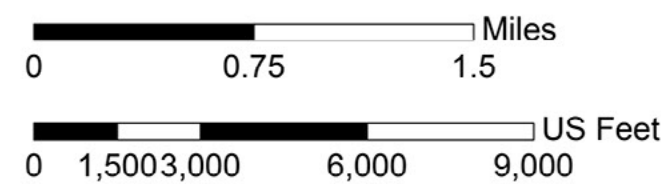
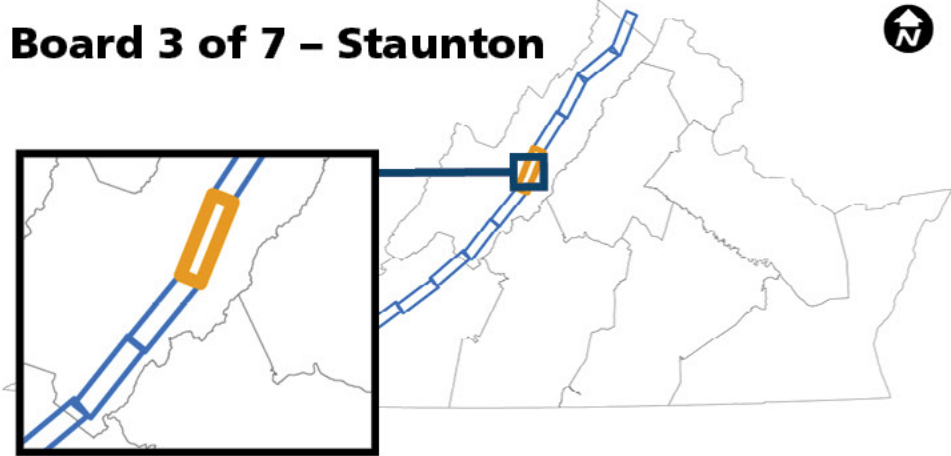
IMPROVE **81**

ROUND 3 PUBLIC MEETINGS - STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Scale

Board 3 of 7 – Staunton



Legend

LEGEND: Existing Conditions

PERFORMANCE MEASURES BY DIRECTION



EXAMPLES OF PUBLIC COMMENTS

- 3 3 comments indicated safety issues in this segment.
- 4 4 comments indicated congestion issues in this segment.
- 5 5 comments indicated truck operations issues in this segment.
- 3 3 comments indicated other issues in this segment.

PUBLIC COMMENTS

PUBLISHER'S COMMENTS
(Summarized by Mile in Each Direction)

-  **Safety**
Crashes, speeding, and aggressive driving
 -  **Truck Operations**
Parking, heavy truck volumes
 -  **Congestion**
Delays, queues (including ramps), 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

- The diagram illustrates six types of traffic engineering measures, each represented by a circular icon with a white symbol on a green background, followed by the measure's name in black text:

 - Widening:** Icon shows a road with a white '1' and a widening symbol.
 - Acceleration/Deceleration Extension:** Icon shows a road with a white '1' and a deceleration symbol.
 - Curve Improvements:** Icon shows a road with a white '1' and a curve symbol.
 - Auxiliary Lane:** Icon shows a road with a white '1' and an auxiliary lane symbol.
 - Realignment:** Icon shows a road with a white '1' and a realignment symbol.
 - Truck Climbing Lane:** Icon shows a road with a white '1' and a truck climbing lane symbol.

 Improvements Included in the Staff Recommend Funding Scenario  Previously Funded I-81 Corridor Improvement Program Project



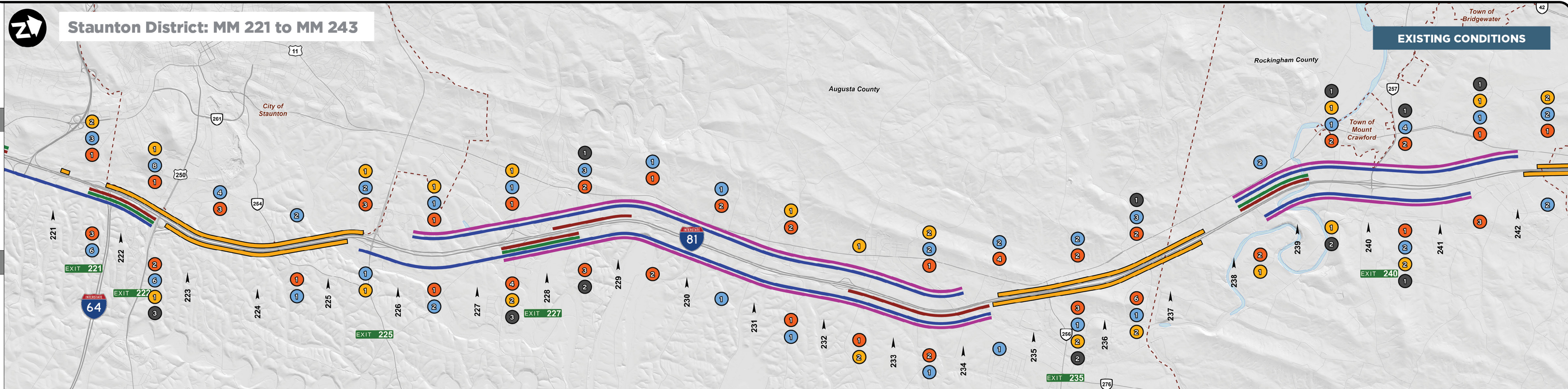
Improvements Not Included in the Staff Recommended Funding Scenario

Reference

► Mile Marker (MM)

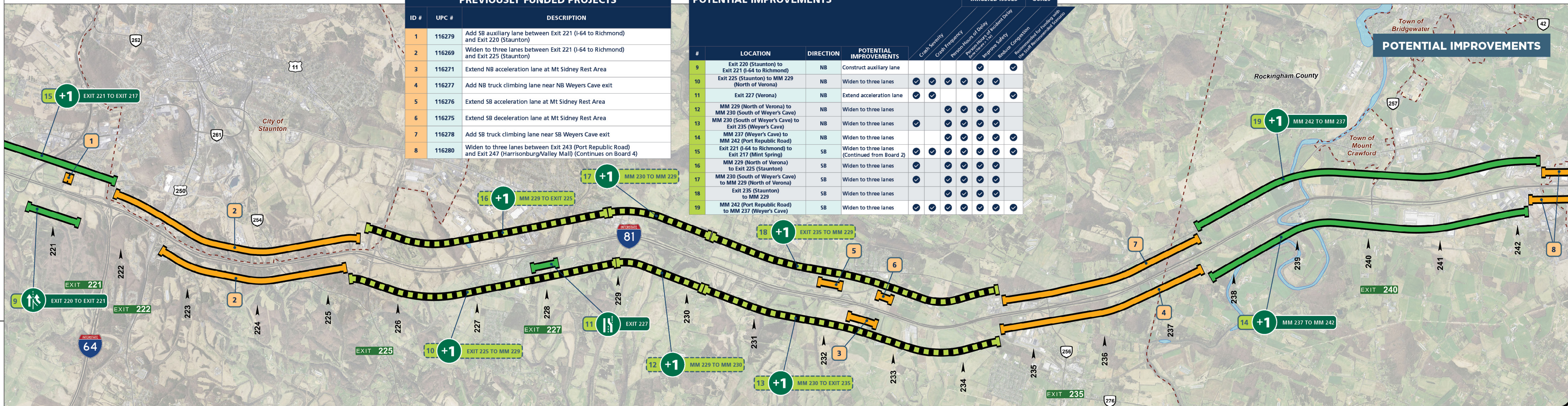


Data Sources: Virginia Department of Transportation 2019, Virginia Geographic Information Network 2019, Airbus, USGS, NOAA, NASA, NOAA, CGIAR, GEMCO, NCEAS, NLS, OS, NMA, Geodastatys, GSA, GSI and the GIS User Community, Virginia Geographic



PREVIOUSLY FUNDED PROJECTS		
ID #	UPC #	DESCRIPTION
1	116279	Add SB auxiliary lane between Exit 221 (I-64 to Richmond) and Exit 220 (Staunton)
2	116269	Widen to three lanes between Exit 221 (I-64 to Richmond) and Exit 225 (Staunton)
3	116271	Extend NB acceleration lane at Mt Sidney Rest Area
4	116277	Add NB truck climbing lane near NB Weyers Cave exit
5	116276	Extend SB acceleration lane at Mt Sidney Rest Area
6	116275	Extend SB deceleration lane at Mt Sidney Rest Area
7	116278	Add SB truck climbing lane near SB Weyers Cave exit
8	116280	Widen to three lanes between Exit 243 (Port Republic Road) and Exit 247 (Harrisonburg/Valley Mall) (Continues on Board 4)

POTENTIAL IMPROVEMENTS				TARGETED ISSUES					GOALS	
#	LOCATION	DIRECTION	POTENTIAL IMPROVEMENTS	Crash Severity	Crash Frequency	Proportion of Delay (Level of Service)	Personal Injury and Property Damage	Right-of-Way Safety	Redesign Coordination	Recommendations for Funding and 5-Year Recommended Timeline
9	Exit 220 (Staunton) to Exit 221 (I-64 to Richmond)	NB	Construct auxiliary lane				✓			
10	Exit 225 (Staunton) to MM 229 (North of Verona)	NB	Widen to three lanes	✓	✓	✓	✓	✓		
11	Exit 227 (Verona)	NB	Extend acceleration lane	✓	✓			✓		✓
12	MM 229 (North of Verona) to MM 230 (South of Weyer's Cave)	NB	Widen to three lanes				✓	✓		
13	MM 230 (South of Weyer's Cave) to Exit 235 (Weyer's Cave)	NB	Widen to three lanes	✓			✓	✓		
14	MM 237 (Weyer's Cave) to MM 242 (Port Republic Road)	NB	Widen to three lanes				✓	✓		
15	Exit 221 (I-64 to Richmond) to Exit 217 (Mint Spring)	SB	Widen to three lanes (Continued from Board 2)			✓	✓	✓		
16	MM 229 (North of Verona) to Exit 225 (Staunton)	SB	Widen to three lanes	✓			✓	✓		
17	MM 230 (South of Weyer's Cave) to MM 229 (North of Verona)	SB	Widen to three lanes	✓			✓	✓		
18	Exit 235 (Staunton) to MM 229	SB	Widen to three lanes				✓	✓		
19	MM 242 (Port Republic Road) to MM 237 (Weyer's Cave)	SB	Widen to three lanes	✓			✓	✓		



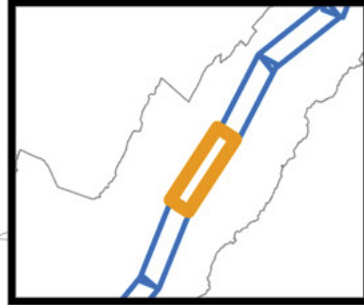


IMPROVE 81

ROUND 3 PUBLIC MEETINGS -
STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 4 of 7 – Staunton



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)

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

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.

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

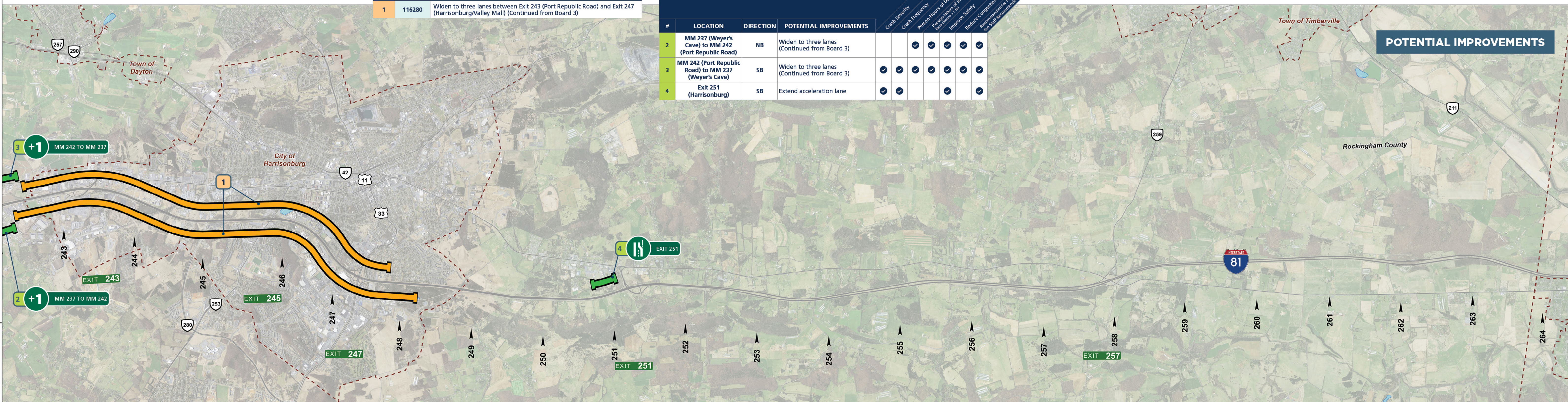
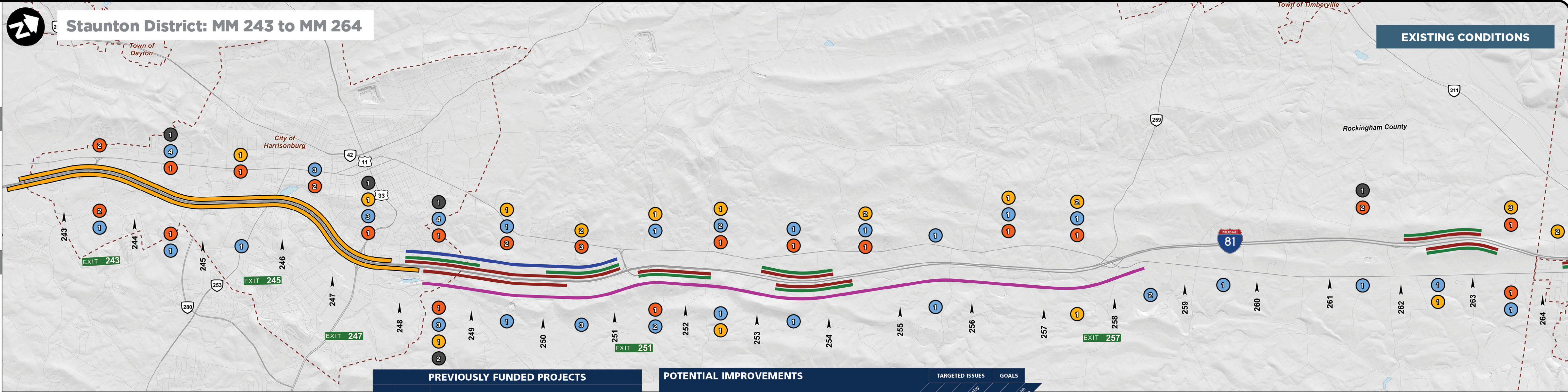
Previously Funded I-81 Corridor Improvement Program Project

Curve Improvements

Truck Climbing Lane

Reference

Mile Marker (MM)



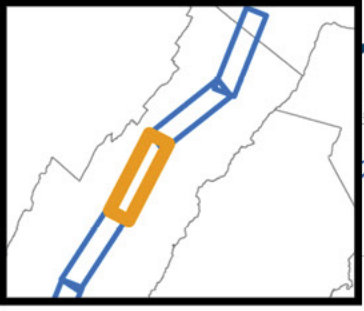


IMPROVE 81

ROUND 3 PUBLIC MEETINGS -
STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 5 of 7 – Staunton



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)

PUBLIC COMMENTS (Summarized by Mile in Each Direction)

Safety

Crashes, speeding, and aggressive driving

Truck Operations

Parking, heavy truck volumes

Other

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

Congestion

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

#

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

EXAMPLES OF PUBLIC COMMENTS

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4 comments indicated congestion issues in this segment.

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5 comments indicated truck operations issues in this segment.

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3 comments indicated other issues in this segment.

LEGEND: Potential Improvements

+1

Widening

+

Auxiliary Lane

+

Acceleration/Deceleration Extension

+

Realignment

+

Curve Improvements

+

Truck Climbing Lane

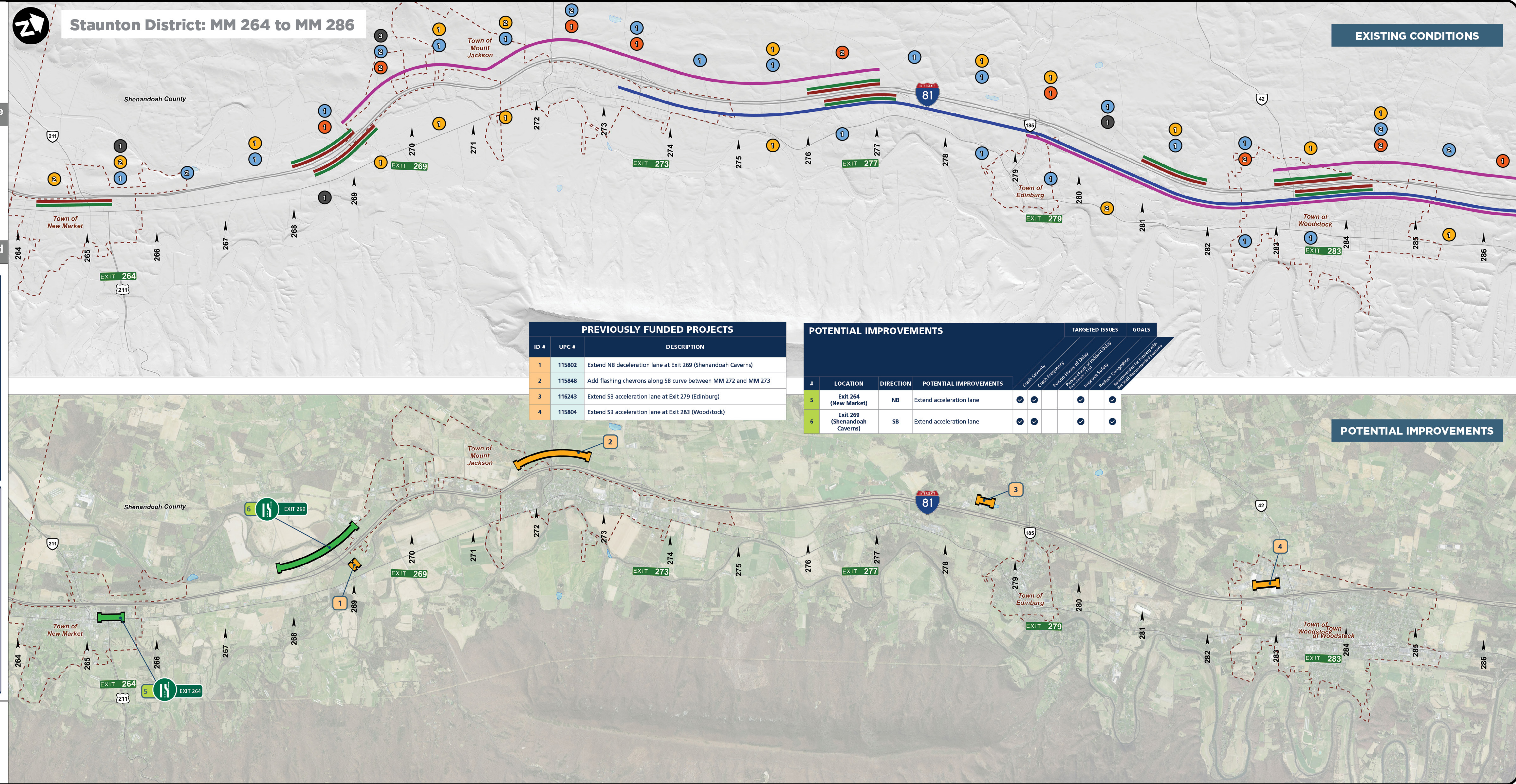
Improvements Included in the Staff Recommend Funding Scenario

Improvements Not Included in the Staff Recommended Funding Scenario

Previously Funded I-81 Corridor Improvement Program Project

Reference

Mile Marker (MM)



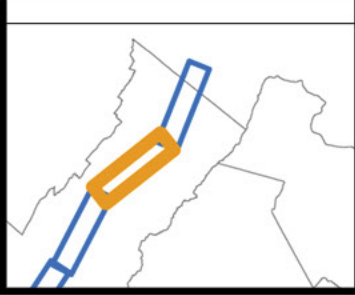


IMPROVE 81

ROUND 3 PUBLIC MEETINGS - STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 6 of 7 - Staunton



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.

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PUBLIC COMMENTS (Summarized by Mile in Each Direction)

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Truck Operations

Parking, heavy truck volumes

Congestion

Delays, queues (including ramps), 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

Acceleration/Deceleration Extension

Realignment

Curve Improvements

Truck Climbing Lane

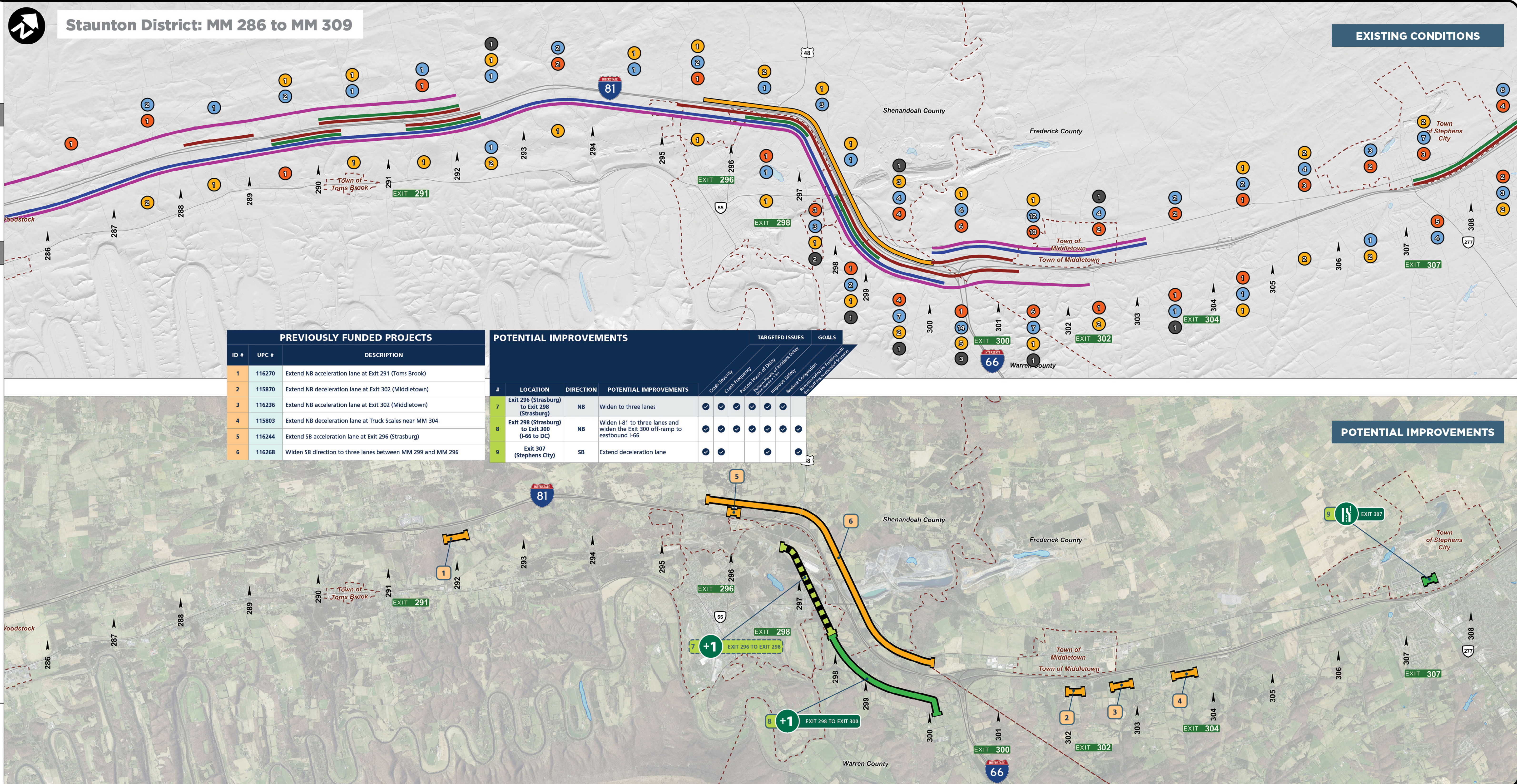
Improvements Included in the Staff Recommend Funding Scenario

Previously Funded I-81 Corridor Improvement Program Project

Improvements Not Included in the Staff Recommended Funding Scenario

Reference

Mile Marker (MM)



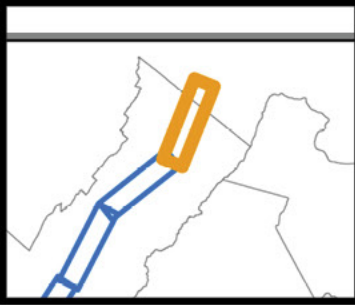


IMPROVE 81

ROUND 3 PUBLIC MEETINGS -
STAFF RECOMMENDED FUNDING SCENARIO

Project Location

Board 7 of 7 – Staunton



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)

PUBLIC COMMENTS
(Summarized by Mile in Each Direction)

- Safety**
Crashes, speeding, and aggressive driving
- Truck Operations**
Parking, heavy truck volumes
- Congestion**
Delays, queues (including ramps), 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

EXAMPLES OF PUBLIC COMMENTS

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- 3 comments indicated other issues in this segment.

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)



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, Maxar

