

# Legislative Update



## Staunton District

### I-81 Corridor Improvement Program

Summer 2022

#### Staunton Overview

Mile Marker	Study ID UPC	Jurisdiction	Description	Status	Consultant/ Contractor	CIP Current Estimate
313.8-317.5	63 UPC 116281	Frederick County Winchester	Widen to Three Lanes	In Pre-Scoping *To be added to SYP in FY24 (est.)	HDR	\$221,798,000
303.7-303.9 NB	49 UPC 115803	Frederick County Truck Scales	Deceleration Ramp Extension	Construction Complete 11/2021	Kickin Asphalt	\$1,086,365
302.5-302.9 NB	47 UPC 116236	Frederick County Middletown	Acceleration Ramp Extension	Construction Complete 11/2021	General Excavation	\$894,370
302.1-302.2 NB	48 UPC 115870	Frederick County Middletown	Deceleration Ramp Extension	Construction Complete 09/2020	General Excavation	\$444,510
299.2-295.7 SB	50 UPC 116268	Shenandoah County Strasburg	Widen to Three Lanes	In Design - Detailed Design Phase	VDOT	\$126,210,358
296.7- 296.3 SB	51 UPC 116244	Shenandoah County Strasburg	Acceleration Ramp Extension	Construction Complete 11/2021	Kickin Asphalt	\$698,135
290.6- 291.1 NB	46 UPC 116270	Shenandoah County Toms Brook	Acceleration Ramp Extension	Construction Complete 11/2021	Kickin Asphalt	\$1,284,0455
283.3-282.9 SB	52 UPC 115804	Shenandoah County Woodstock	Acceleration Ramp Extension	Construction Complete 06/2020	General Excavation	\$693,398
279.2- 278.7 SB	53 UPC 116243	Shenandoah County Edinburg	Acceleration Ramp Extension	Construction Complete 06/2020	General Excavation	\$487,395
272.3-272.3 SB	54 UPC 115848	Shenandoah County Mt Jackson	Flashing Chevron on Curve	Construction Complete 09/2019	VDOT	\$79,178
268.8-268.9 NB	45 UPC 115802	Shenandoah County Shenandoah Caverns	Deceleration Ramp Extension	Construction Complete 07/2020	General Excavation	\$383,6675
242.0-248.6 NB & SB	62 UPC 116280	Rockingham County Harrisonburg	Widen to Three Lanes	In Design - Public Hearing Phase	RK&K	\$320,016,035
237.9-234.2 SB	55 UPC 116278	Augusta County Weyers Cave	Truck Climbing Lane	In Design - Public Hearing Phase	WRA	\$64,042,327
234.1-237.7 NB	44 UPC 116277	Augusta County and Rockingham County	Truck Climbing Lane	In Design - Public Hearing Phase	WRA	\$63,167,021
232.9-232.7 SB	56 UPC 116275	Augusta County Mt Sidney Rest Area	Deceleration Ramp Extension	In pre-scoping - PE to begin summer 2023	ATCS	\$4,930,873
232.5-231.9 SB	57 UPC 116276	Augusta County Mt Sidney Rest Area	Acceleration Ramp Extension	In pre-scoping - PE to begin summer 2023	ATCS	\$1,271,576
232.4-232.8 NB	43 UPC 116271	Augusta County Mt Sidney Rest Area	Acceleration Ramp Extension	In pre-scoping - PE to begin summer 2023	ATCS	\$4,930,873
221.8- 225.3 NB & SB	61 UPC 116269	Augusta County Staunton	Widen in Both Directions	In Design - Design-Build RFQ- 06/2022	RS&H	\$172,370,890
221.5- 221.2 SB	58 UPC 116279	Augusta County	Auxiliary Lane Exit 221 to Exit 220	In Design - Right of Way Phase	WRA	\$14,177,003
205.3-205.7 NB	42 UPC 115801	Rockbridge County Raphine	Acceleration Ramp Extension	Under Construction Bundled w/Exit 205 S Scale	A&J Construction	\$1,256,917
205.2-204.7 SB	59 UPC 116245	Rockbridge County Raphine	Acceleration Ramp Extension	Under Construction Bundled w/Exit 205 S Scale	A&J Construction	\$1,490,555
204.5-195.1 SB	60 UPC 116282	Rockbridge County	Widen shoulder	In pre-scoping - PE to begin Summer 2023	ATCS	\$80,472,310
189-189.4 NB	41 UPC 116246	Rockbridge Lexington	Acceleration Ramp Extension	PE to begin Summer 2023	ATCS	\$2,415,760

\*These schedules contingent upon revenue forecast and final agreement details for TIFIA to bond the program. (TIFIA - federal Transportation Infrastructure Finance and Innovation Act of 1998)

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## **I-81 CIP Operations Staunton District**

### **Towing and Recovery Incentive Program (TRIP)**

Towing and Recovery Incentive Program (TRIP) is a quick clearance incentive program that partners VDOT with heavy-duty towing and recovery companies and pays an incentive for clearing the lanes of travel of commercial motor vehicle (CMV) crashes within 90 minutes. This program enables a standardized quick response with towing equipment, tools and trained personnel to facilitate the safe and efficient clearance of CMV crashes.

The I-81 TRIP program launched May 24, 2021, providing TRIP resources in Staunton District from mile markers 174 to 323. Within that area, six recovery zones have been established with seven tow companies participating. During the one year of implementation, 149 CMV crashes were successfully recovered by TRIP response, resulting in a 26 min. reduction to the average time to clear lane impacting CMV crashes (compared to 2018-19), while reducing the cost of congestion by about \$1.07M.

### **Safety Service Patrols (SSP)**

Safety service patrols are specialty equipped vehicles with trained patrollers that travel the interstate to provide incident traffic control and safety services to stranded motorists with the goals of improving incident detection, response, and travel lane clearance times.

In July 2019 the following SSP changes were completed in the Staunton District:

- Implemented a new SSP route for I-81 in Augusta County to address a coverage gap. Augusta County has the highest number of lane-impacting incidents on I-81.
- Separated the Frederick/Warren County SSP coverage area, which previously covered both I-81 and I-66 into two patrols; one area for I-81 alone and a second for I-66 to improve patrol frequency.

### **Changeable Message Signs**

In February 2020 the Commonwealth Transportation Board awarded a contract totaling \$7 million to Richardson-Wayland Electrical Company LLC of Roanoke, to install 31 changeable message signs (CMS) along the Interstate 81 corridor in the Bristol, Salem and Staunton districts, with a contract fixed completion date of October 28, 2021. This project was completed on time. Staunton District received 22 CMS located prior to major detour routes, adjacent interstate and feeder roads and in urban settings with reduced speed limits or closely spaced interchanges. The signs are controlled by the VDOT Traffic Operations Center (TOC) in Staunton and are being used to manage incidents and congestion on I-81 by informing the motorist.

### **Flashing Chevrons**

Solar powered flashing chevrons were installed in October 2019 to enhance driver awareness of curved sections of Interstate 81. The installations were southbound I-81 at mile marker 272.3 near Mount Jackson in Shenandoah County and southbound I-81 on the Rockbridge/Botetourt County line from mile marker 172.9 – 175.4.

### **CCTV (closed circuit TV) Cameras**

The Staunton TOC received 13 additional CCTV traffic cameras as part of a corridor wide project that also includes 28 cameras in the Bristol District and 10 cameras in the Salem District. The TOC uses live video from traffic cameras to detect incidents and manage traffic. In the Staunton District all 13 new cameras were installed by spring 2020 and are viewable to the public on 511.

### **Detour Route Improvements**

Minor geometric and technology-based infrastructure projects are being implemented along designated detour routes to facilitate moving traffic more safely and quickly during an I-81 incident. These improvements include traffic signal equipment and communication network improvements, signal timing plans designed to process detoured I-81 traffic and small targeted intersection geometric improvements to move trucks through key intersections.

- Three intersections along Route 11 in Rockbridge County have been improved with minor geometric changes using state forces. The improvements will facilitate large truck movements at key intersections to keep traffic flowing when I-81 traffic is detoured. These were completed by September 2021.
- Exits 240, 323, 317 – Signal equipment and communication upgrades to fiber. Design is completed. Construction is scheduled for late summer 2022.
- Exits 220, 225, 227, 235, 300 and 313. Signal equipment and communication upgrades, extend turn lanes, CMS & CCTV. Design is completed and Construction is scheduled for December 2022.