



## **LISTING OF I-81 CORRIDOR PROJECTS ADDRESSING SAFETY AND CONGESTION: INTERIM REPORT**

**Pursuant to:  
Item 427 L of Chapter 2, 2014 Acts of the Assembly (Special Session I)**

October 14, 2014

**Rob Cary, P.E., L.S.**

District Administrator, Salem District

# I-81 Corridor

**Legend**

- I-81 Corridor
- Rail Lines
- Permanent Count Station Locations



# Introduction

## Budget Item 427 requires:

- **Commonwealth Transportation Board to direct VDOT Bristol, Salem and Staunton District staff to develop a prioritized list of improvements for I-81**
- **Improvements to address congestion and safety**
- **CTB to solicit input from local elected officials, state legislators, and other affected stakeholders in the identification of potential candidate projects for evaluation**
- **Priority shall be given to the following projects:**
  - **Minimize the impacts on adjacent communities including historic battlefields**
  - **Projects that can be implemented within the existing right-of-way or with minimal additional right-of-way**

# Introduction

- **Interim report due November 1, 2014, to include:**
  - **A listing of the identified projects**
  - **Estimated costs**
  
- **Final report due by January 1, 2016, to include:**
  - **A final project listing, developed pursuant to the provisions of House Bill 2, 2014 Session of the General Assembly**
    - The list will include prioritized candidate projects identified for potential inclusion in the Six Year Improvement Program adopted by the Commonwealth Transportation Board in June, 2016.

## Process for Developing Project Lists

- The interim listing of projects was developed from the current Fiscal Year 2015-2020 (FY15-20) Six Year Improvement Program (SYIP), approved by the CTB in June 2014
- These projects were reviewed by stakeholders prior to the adoption of the FY15-20 SYIP
  - 9 Spring Transportation Hearings were held during April and May 2014
  - 9 Fall Transportation Meetings are currently being held during September and October 2014
  - These projects have been reviewed by stakeholders
- Only FY15-20 SYIP projects were analyzed to meet the November 1, 2014 interim report due date.
- This list of I-81 corridor projects which address safety and congestion have undergone public review

## Project List

- **The project list was developed from the FY15-20 SYIP**
  - **Approved by CTB approved June 2014**
  - **FY15-20 SYIP contained 35 projects along the 325 miles of the I-81 corridor in Virginia with a total cost of \$601,656,000**
  - **VDOT staff categorized 19 projects as meeting the criteria for addressing capacity and safety**
  - **Total project cost for those 19 projects- \$371,665,000**
    - Bristol District – 3 projects, Total \$77,680,000
    - Salem District – 11 projects, Total \$218,060,000
    - Staunton District – 5 projects, Total \$75,925,000

## Next Steps

- **VDOT staff to develop a detailed list of congestion and safety needs along the I-81 corridor (to include both SYIP and candidate projects)**
- **Prioritize the identified projects based on the HB2 prioritization process**
- **Solicit input from stakeholders on the project list**
- **Provide a final report to the CTB by January 1, 2016 to include:**
  - **A prioritized list of projects developed pursuant to the provisions of HB2**
  - **Planning level cost estimates**



# FY15-20 SYIP I-81 Unedited Project List (35 projects)

I-81 FY 15-20 SYIP Unedited Project List										
Total Line Item Estimate: \$601,656 (K)										
UPC	Description	Route	District	Road System	Jurisdiction	Estimate	Previous	FY15	FY16-20	Balance
							(Values in Thousands of Dollars)			
68717	RTE 81 - PPTA PROJECT DEVELOPMENT & MANAGEMENT	81	Bristol	Interstate	Bristol District-wide	\$3,208	\$700	\$0	\$0	\$2,508
91257	I81 INTERCHANGE IMPROVEMENTS AT EXIT 7	81	Bristol	Interstate	Bristol	\$6,141	\$6,143	\$0	\$0	(\$2)
97555	I-81 NBL BRIDGE PROJECT AT ROUTE 11 STR #17478	81	Bristol	Interstate	Smyth County	\$13,320	\$0	\$375	\$12,945	\$0
97856	INTERSTATE 81 AT EXIT 14 RAMP MODIFICATIONS	81	Bristol	Interstate	Washington County	\$44,360	\$5,267	\$3,248	\$35,845	\$0
98004	F15 I-81 PAVEMENT OVERLAY	81	Bristol	Interstate	Bristol District-wide	\$4,656	\$552	\$1,231	\$2,873	\$0
104936	I-81 STRUCTURES 19596 & 19597 OVER REED CREEK IN WYTHE CO	81	Bristol	Interstate	Wythe County	\$20,000	\$0	\$0	\$2,000	\$18,000
56899	INTERSTATE 81 NB BRIDGE REPLACEMENT AND ROUTE 232 BRIDGE	81	Salem	Interstate	Montgomery County	\$78,110	\$7,500	\$705	\$53,931	\$15,974
56900	I-81 SOUTHBOUND BRIDGE REPLACEMENT OVER THE NEW RIVER	81	Salem	Interstate	Pulaski County	\$47,502	\$2,000	\$0	\$0	\$45,502
67588	RTE 81 - DEVELOPMENT OF NEPA DOCUMENT - TIER II	81	Salem	Interstate	Salem District-wide	\$3,579	\$3,579	\$0	\$0	\$0
75910	ROUTE 11,220,220A ACCESS MANAGEMENT PROJECT AT I-81 EXIT 150	81	Salem	Interstate	Botetourt County	\$46,791	\$26,615	\$0	\$20,176	\$0
82093	FY14-FY15 INSTALL NEW VMS ON INTERSTATE 81	81	Salem	Interstate	Salem District-wide	\$500	\$514	\$0	\$0	(\$14)
84117	RTE. 81 - ADDITION OF TRUCK CLIMBING LANE ON I81SB	81	Salem	Interstate	Montgomery County	\$89,473	\$87,610	\$2,250	\$0	(\$387)
93074	RTE. 81 - APPROACHES AND BRIDGES OVER ROUTE 8	81	Salem	Interstate	Christiansburg	\$10,918	\$1,976	\$0	\$3,192	\$5,750
93075	RTE. 81 - MONT. CO. APPROACHES TO I-81 BRIDGES OVER ROUTE 8	81	Salem	Interstate	Montgomery County	\$5,249	\$1,300	\$0	\$2,949	\$1,000
97560	RTE I-81 NBL BRIDGE REPLACE. OVER RTE 581 SW & NW RAMP	81	Salem	Interstate	Roanoke County	\$10,498	\$1,050	\$7	\$0	\$9,441
97576	RTE 81 SBL - BRIDGE REPLACE OVER RTE. 112 WILDWOOD STR#14865	81	Salem	Interstate	Roanoke County	\$6,256	\$892	\$7	\$0	\$5,357
97577	RTE 81 - NBL BRIDGE REPLACE OVER RTE 11 STR #3212	81	Salem	Interstate	Botetourt County	\$4,623	\$462	\$6	\$0	\$4,154
97578	RTE 81 NBL - BRIDGE REPLACE OVER RTE 642 ALLEGHANY STR#14867	81	Salem	Interstate	Roanoke County	\$3,505	\$350	\$6	\$0	\$3,148



## FY15-20 SYIP I-81 Unedited Project List (35 projects)

I-81 FY 15-20 SYIP (Unedited Project List)										
Total Line Item Estimate: \$601,656 (K)										
UPC	Description	Route	District	Road System	Jurisdiction	Estimate	Previous	FY15	FY16-20	Balance
(Values in Thousands of Dollars)										
99542	RTE. 81 - EXIT 140 PARK 'N RIDE FACILITY EXPANSION	81	Salem	Interstate	Roanoke County	\$1,608	\$1,608	\$0	\$0	\$0
103828	I81 PAVEMENT REHABILITATION	81	Salem	Interstate	Salem District-wide	\$10,072	\$170	\$1,789	\$8,114	\$0
104046	RTES. I77 & I81 - FY14-15 REPLACE SIGNS	81	Salem	Interstate	Salem District-wide	\$873	\$873	\$0	\$0	\$0
104047	I81 FY13-14 FIBER REDUNDANCY CONNECTION	81	Salem	Interstate	Roanoke County	\$47	\$50	\$0	\$0	(\$3)
104048	FY13-14 VMS INSTALLATION: INTERSTATE 81	81	Salem	Interstate	Botetourt County	\$610	\$610	\$0	\$0	\$0
104130	I-81 MM 166.7 TO MM 169.7 IMPROVEMENTS - PARTIAL PE ONLY	81	Salem	Interstate	Botetourt County	\$3,000	\$3,000	\$0	\$0	\$0
56382	RTE 81 - BRDG WIDNING (4-LANE) & REPLCMNT - SAFETY IMPRVMT	81	Staunton	Interstate	Rockingham County	\$9,522	\$9,521	\$0	\$0	\$1
75881	RTE 81 - INTERCHANGE MODIFICATION, EXIT 310	81	Staunton	Interstate	Frederick County	\$49,121	\$37,614	\$3,121	\$8,386	\$0
79923	RTE 81 - SAFETY IMPROVEMENTS, EXIT 213	81	Staunton	Interstate	Augusta County	\$5,152	\$478	\$0	\$0	\$4,674
84363	I-81 NORTHBOUND TRUCK CLIMBING LANE PE FOR I-81 EXIT 307 INTER RELOCATION\IMPROVEMENT	81	Staunton	Interstate	Rockbridge County	\$81,033	\$81,033	\$0	\$0	\$0
88659	I-81 INTERCHANGE STUDY FOR EXIT 313	81	Staunton	Interstate	Frederick County	\$9,000	\$2,028	\$1,357	\$5,614	\$0
90378	TMP ASSETS FOR I-81 TCL ROCKBRIDGE	81	Staunton	Interstate	Rockbridge County	\$560	\$560	\$0	\$0	\$0
97636	I-81 SHEN/WARREN CO BRIDGE OVER CEDAR CREEK STR #18746	81	Staunton	Interstate	Shenandoah County	\$11,352	\$476	\$0	\$0	\$10,876
104562	I-81 PAVEMENT REHABILITATION - SITE 3	81	Staunton	Interstate	Frederick County	\$4,444	\$100	\$750	\$3,594	\$0
104563	I-81 PAVEMENT REHABILITATION - SITE 2	81	Staunton	Interstate	Shenandoah County	\$12,745	\$250	\$1,593	\$10,902	\$0
104564	I-81 PAVEMENT REHABILITATION - SITE 1	81	Staunton	Interstate	Augusta County	\$2,529	\$20	\$1,412	\$1,096	\$0



## FY15-20 SYIP I-81 Edited Project List (19 projects)

I-81 Bristol, Salem and Staunton Districts – FY15-20 SYIP										
Total Line Item Estimate: \$371,665 (K)										
UPC	Description	Route	District	Road System	Jurisdiction	Estimate	Previous	FY15	FY16-20	Balance
						(Values in Thousands of Dollars)				
97555	I-81 NBL BRIDGE PROJECT AT ROUTE 11 STR #17478	81	Bristol	Interstate	Smyth County	\$13,320	\$0	\$375	\$12,945	\$0
97856	INTERSTATE 81 AT EXIT 14 RAMP MODIFICATIONS	81	Bristol	Interstate	Washington County	\$44,360	\$5,267	\$3,248	\$35,845	\$0
104936	I-81 STRUCTURES 19596 & 19597 OVER REED CREEK IN WYTHE CO	81	Bristol	Interstate	Wythe County	\$20,000	\$0	\$0	\$2,000	\$18,000
56899	INTERSTATE 81 NB BRIDGE REPLACEMENT AND ROUTE 232 BRIDGE	81	Salem	Interstate	Montgomery County	\$78,110	\$7,500	\$705	\$53,931	\$15,974
56900	I-81 SOUTHBOUND BRIDGE REPLACEMENT OVER THE NEW RIVER ROUTE 11,220,220A ACCESS MANAGEMENT PROJECT AT I-81 EXIT 150	81	Salem	Interstate	Pulaski County	\$47,502	\$2,000	\$0	\$0	\$45,502
75910		81	Salem	Interstate	Botetourt County	\$46,791	\$26,615	\$0	\$20,176	\$0
93074	RTE. 81 - APPROACHES AND BRIDGES OVER ROUTE 8	81	Salem	Interstate	Christiansburg	\$10,918	\$1,976	\$0	\$3,192	\$5,750
93075	RTE. 81 - MONT. CO. APPROACHES TO I-81 BRIDGES OVER ROUTE 8	81	Salem	Interstate	Montgomery County	\$5,249	\$1,300	\$0	\$2,949	\$1,000
97560	RTE I-81 NBL BRIDGE REPLACE. OVER RTE 581 SW & NW RAMPS	81	Salem	Interstate	Roanoke County	c	\$1,050	\$7	\$0	\$9,441
97576	RTE 81 SBL - BRIDGE REPLACE OVER RTE. 112 WILDWOOD STR#14865	81	Salem	Interstate	Roanoke County	\$6,256	\$892	\$7	\$0	\$5,357
97577	RTE 81 - NBL BRIDGE REPLACE OVER RTE 11 STR #3212	81	Salem	Interstate	Botetourt County	\$4,623	\$462	\$6	\$0	\$4,154
97578	RTE 81 NBL - BRIDGE REPLACE OVER RTE 642 ALLEGHANY STR#14867	81	Salem	Interstate	Roanoke County	\$3,505	\$350	\$6	\$0	\$3,148
99542	RTE. 81 - EXIT 140 PARK 'N RIDE FACILITY EXPANSION	81	Salem	Interstate	Roanoke County	\$1,608	\$1,608	\$0	\$0	\$0
104130	I-81 MM 166.7 TO MM 169.7 IMPROVEMENTS - PARTIAL PE ONLY	81	Salem	Interstate	Botetourt County	\$3,000	\$3,000	\$0	\$0	\$0
75881	RTE 81 - INTERCHANGE MODIFICATION, EXIT 310	81	Staunton	Interstate	Frederick County	\$49,121	\$37,614	\$3,121	\$8,386	\$0
79923	RTE 81 - SAFETY IMPROVEMENTS, EXIT 213	81	Staunton	Interstate	Augusta County	\$5,152	\$478	\$0	\$0	\$4,674
88659	PE FOR I-81 EXIT 307 INTER RELOCATION IMPROVEMENT	81	Staunton	Interstate	Frederick County	\$1,300	\$1,300	\$0	\$0	\$0
88820	I-81 INTERCHANGE STUDY FOR EXIT 313	81	Staunton	Interstate	Frederick County	\$9,000	\$2,028	\$1,357	\$5,614	\$0
97636	I-81 SHEN/WARREN CO BRIDGE OVER CEDAR CREEK STR #18746	81	Staunton	Interstate	Shenandoah County	\$11,352	\$476	\$0	\$0	\$10,876

# Bristol District (3 Projects)

I-81 Bristol District FY15-20 SYIP										
Total Line Item Estimate: \$77,680 (K)										
UPC	Description	Route	District	Road System	Jurisdiction	Estimate	Previous	FY15	FY16-20	Balance
						(Values in Thousands of Dollars)				
97555	I-81 NBL BRIDGE PROJECT AT ROUTE 11 STR #17478	81	Bristol	Interstate	Smyth County	\$13,320	\$0	\$375	\$12,945	\$0
97856	INTERSTATE 81 AT EXIT 14 RAMP MODIFICATIONS	81	Bristol	Interstate	Washington County	\$44,360	\$5,267	\$3,248	\$35,845	\$0
104936	I-81 STRUCTURES 19596 & 19597 OVER REED CREEK IN WYTHE CO	81	Bristol	Interstate	Wythe County	\$20,000	\$0	\$0	\$2,000	\$18,000

# Salem District (11 Projects)

## I-81 Salem District FY15-20 SYIP

Total Line Item Estimate: \$218,060 (K)

UPC	Description	Route	District	Road System	Jurisdiction	Estimate	Previous	FY15	FY16-20	Balance
						(Values in Thousands of Dollars)				
56899	INTERSTATE 81 NB BRIDGE REPLACEMENT AND ROUTE 232 BRIDGE	81	Salem	Interstate	Montgomery County	\$78,110	\$7,500	\$705	\$53,931	\$15,974
56900	I-81 SOUTHBOUND BRIDGE REPLACEMENT OVER THE NEW RIVER	81	Salem	Interstate	Pulaski County	\$47,502	\$2,000	\$0	\$0	\$45,502
75910	ROUTE 11,220,220A ACCESS MANAGEMENT PROJECT AT I-81 EXIT 150	81	Salem	Interstate	Botetourt County	\$46,791	\$26,615	\$0	\$20,176	\$0
93074	RTE. 81 - APPROACHES AND BRIDGES OVER ROUTE 8	81	Salem	Interstate	Christiansburg	\$10,918	\$1,976	\$0	\$3,192	\$5,750
93075	RTE. 81 - MONT. CO. APPROACHES TO I-81 BRIDGES OVER ROUTE 8	81	Salem	Interstate	Montgomery County	\$5,249	\$1,300	\$0	\$2,949	\$1,000
97560	RTE I-81 NBL BRIDGE REPLACE. OVER RTE 581 SW & NW RAMPS	81	Salem	Interstate	Roanoke County	\$10,498	\$1,050	\$7	\$0	\$9,441
97576	RTE 81 SBL - BRIDGE REPLACE OVER RTE. 112 WILDWOOD STR#14865	81	Salem	Interstate	Roanoke County	\$6,256	\$892	\$7	\$0	\$5,357
97577	RTE 81 - NBL BRIDGE REPLACE OVER RTE 11 STR #3212	81	Salem	Interstate	Botetourt County	\$4,623	\$462	\$6	\$0	\$4,154
97578	RTE 81 NBL - BRIDGE REPLACE OVER RTE 642 ALLEGHANY STR#14867	81	Salem	Interstate	Roanoke County	\$3,505	\$350	\$6	\$0	\$3,148
99542	RTE. 81 - EXIT 140 PARK 'N RIDE FACILITY EXPANSION	81	Salem	Interstate	Roanoke County	\$1,608	\$1,608	\$0	\$0	\$0
104130	I-81 MM 166.7 TO MM 169.7 IMPROVEMENTS - PARTIAL PE ONLY	81	Salem	Interstate	Botetourt County	\$3,000	\$3,000	\$0	\$0	\$0

# Staunton District (5 Projects)

I-81 Staunton District FY15-20 SYIP										
Total Line Item Estimate: \$75,925 (K)										
UPC	Description	Route	District	Road System	Jurisdiction	Estimate	Previous	FY15	FY16-20	Balance
						(Values in Thousands of Dollars)				
75881	RTE 81 - INTERCHANGE MODIFICATION, EXIT 310	81	Staunton	Interstate	Frederick County	\$49,121	\$37,614	\$3,121	\$8,386	\$0
79923	RTE 81 - SAFETY IMPROVEMENTS, EXIT 213	81	Staunton	Interstate	Augusta County	\$5,152	\$478	\$0	\$0	\$4,674
88659	PE FOR I-81 EXIT 307 INTER RELOCATION/IMPROVEMENT	81	Staunton	Interstate	Frederick County	\$1,300	\$1,300	\$0	\$0	\$0
88820	I-81 INTERCHANGE STUDY FOR EXIT 313	81	Staunton	Interstate	Frederick County	\$9,000	\$2,028	\$1,357	\$5,614	\$0
97636	I-81 SHEN/WARREN CO BRIDGE OVER CEDAR CREEK STR #18746	81	Staunton	Interstate	Shenandoah County	\$11,352	\$476	\$0	\$0	\$10,876