

SMART SCALE PROPOSED BUDGET INCREASE

I-81 EXIT 300 SOUTHBOUND ACCELERATION LANE EXTENSION

UPC 111054 – STAUNTON DISTRICT

Commonwealth Transportation Board

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June 2020

SMART SCALE Policy

CTB Policy for Scope Changes and/or Budget Increases, February 2020

- A project that has been selected for funding must be re-scored and the funding decision re-evaluated if there are significant changes to either the scope or cost of the project, such that the anticipated benefits relative to funding requested would have substantially changed.
- If an estimate increases prior to project advertisement or contract award that exceeds the following thresholds, and the applicant is not covering the increased cost with other funds, Board action is required to approve the budget increase:
 - » i. Total Cost Estimate <\$5 million: 20% increase in funding requested
 - » ii. Total Cost Estimate \$5 million to \$10 million: \$1 million or greater increase in funding requested
 - » iii. Total Cost Estimate > \$10 million: 10% increase in funding requested; \$5 million maximum increase in funding requested

Project Information

I-81 Exit 300 Southbound Acceleration Lane Extension (UPC 111054)

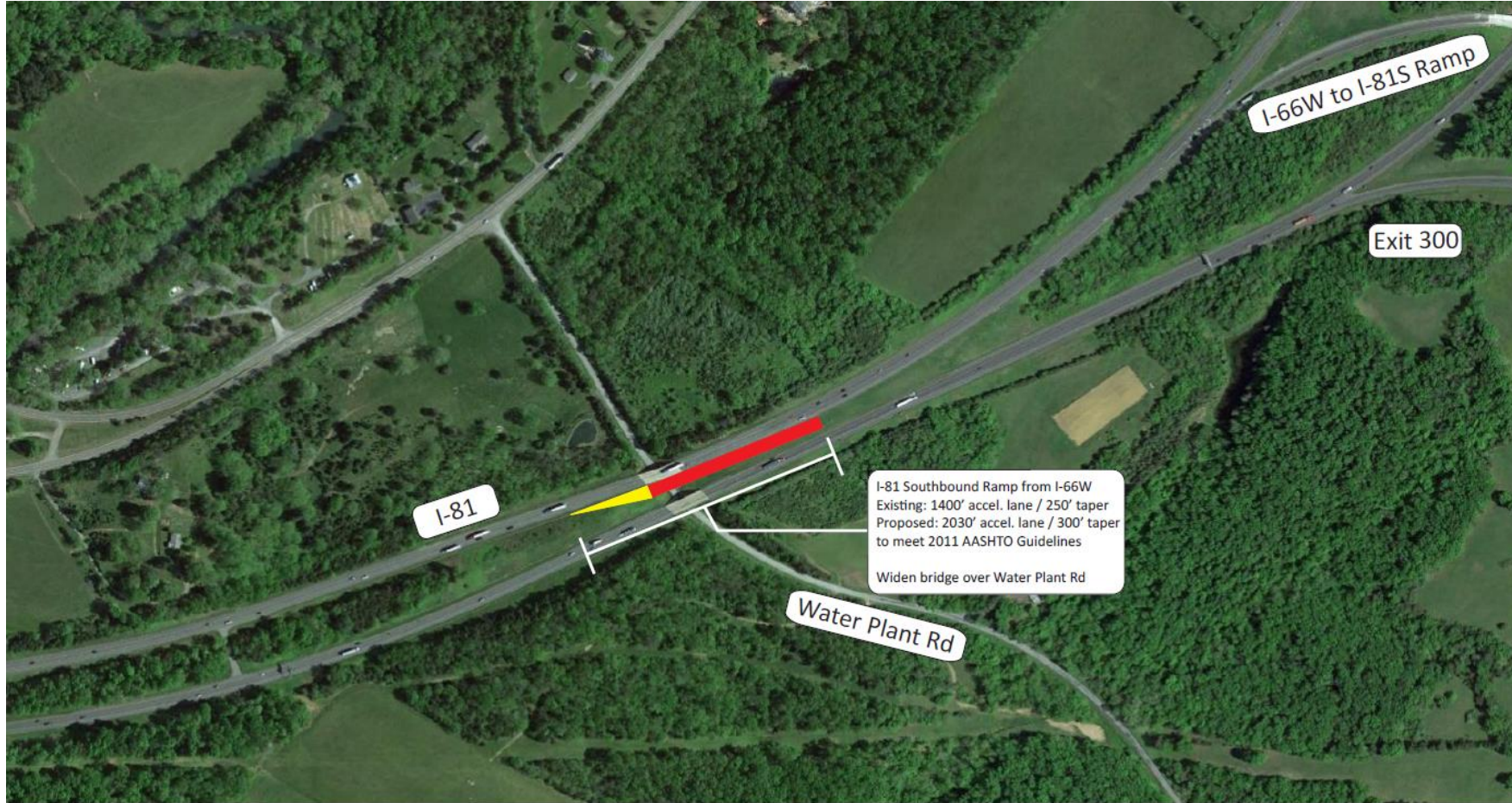
- Submitted by Northern Shenandoah Valley Regional Commission in Round 2 of SMART SCALE
 - Total Original Project Cost: \$3,437,422
 - Total SMART SCALE Request: \$3,437,422
 - Request funded with HPP funds
- Project is VDOT administered
 - Construction scheduled to begin FY22
- Original Scope Included:
 - Extend acceleration lane onto I-81 southbound from westbound I-66
 - Widen the existing southbound bridge over Water Plant Road to accommodate the extended lane

Change in Project Design

What changed after Project Selection?

- Issues were identified related to the bridge widening component of the project
- VDOT Structure and Bridge guidance recommends bridge replacement when one of two conditions prevails:
 1. The presence of reactive aggregate that would lead to alkali-silica reaction (ASR), a condition that causes rapid expansion of concrete in the presence of moisture and compromises any bridge component where it is present
 2. When rehabilitation of a component or the entire structure exceeds 65% of the replacement cost, replacement of the affected component or the entire bridge is warranted
- In this case, both conditions prevail
- Replacement of the bridge is deemed the most appropriate course of action to accommodate the widening

Project Location



Interstate 81 Exit 300 - Improvement Sketch
Warren County, VA
September 20, 2016
Not to Scale

Project Budget Increase

- **Estimated cost of revised design is \$8.5M**
 - Increase of \$5.1M or 148% increase
 - Sufficient deallocated HPP funds are available to cover the increase

	Original Application	Current
Total \$	\$3.4M	\$8.5M
SMART SCALE \$	\$3.4 (HPP)	\$8.5M (increase of \$5.1M)
Score	11.1	4.5
Funding Scenario	9/19	16/19
Expenditures as of 5/28/20	\$225,962	

Recommendation for Action

- **Approve Budget Increase Request**
 - Fund increase from surplus HPP balances
 - Of available surplus HPP balances, \$4,966,206 was released from projects in Staunton District

HPP Surplus Funds	Amount
Surplus	\$46,452,997
Less Proposed Budget Increase for UPC 111054	\$5,097,874
Total Remaining	\$41,355,123

