



Agenda

- Project Overview
 - Scope, Schedule, Estimate
- Features
- Coordination with City Staff, Stakeholders
- What's Ahead...
- Noise Barriers
 - Overview of VDOT Noise Policy
 - Upcoming Balloting
- Questions



Project Overview

Scope:

- Widening to 3 lanes NB & SB MM 242.0 - 248.8
- Evaluate, rehabilitate and/or replace existing bridges, pavement, safety features
- Evaluate need and install noise barriers where reasonable & feasible
- Rehabilitate drainage structures
- Onsite stormwater quality management



Project Overview

Schedule:

02/20 Project authorized

09/21 Citizen information meeting

06/22 Public hearing

07/22 Pleasant Valley Rd meeting

12/22 Limited access changes apprvd

10/23 Noise barrier balloting

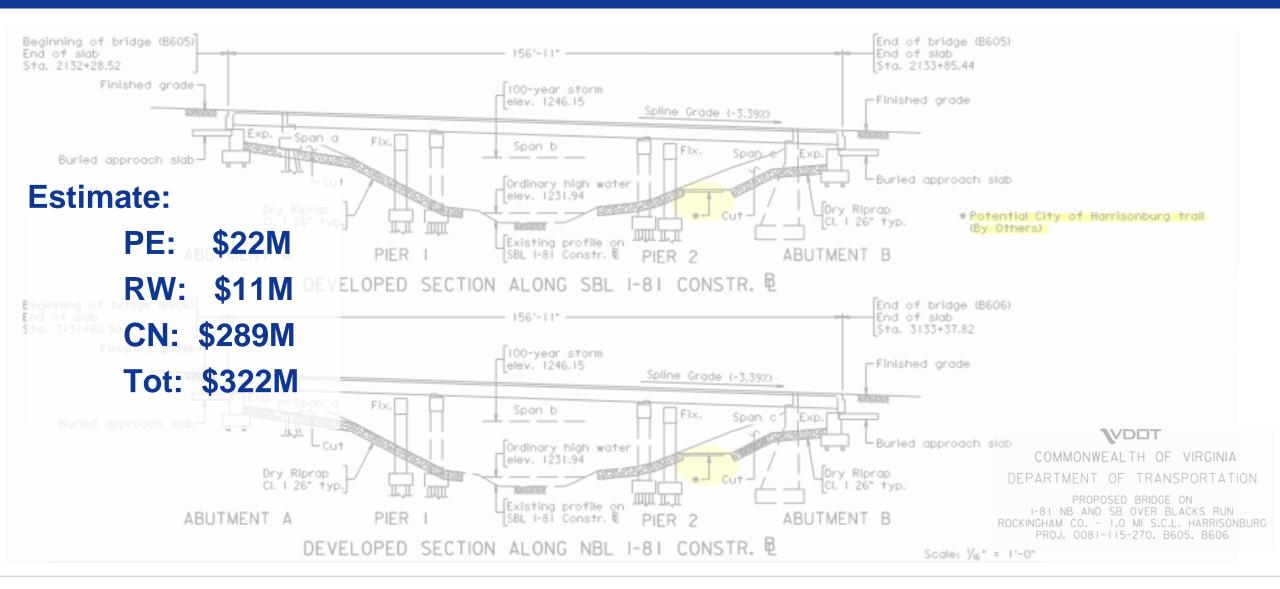
03/24 Auth. RW acquisition & utility reloc.

08/25 Advertisement for construction

12/29 Substantial completion



Project Overview

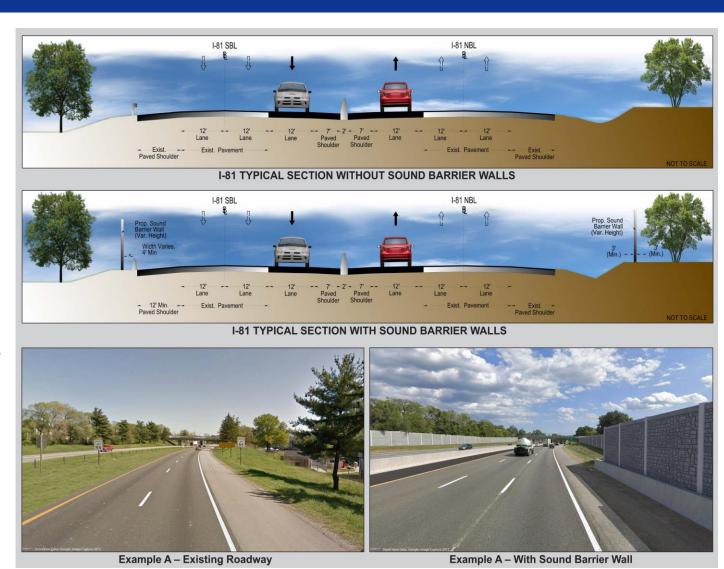




Features

Typical Section

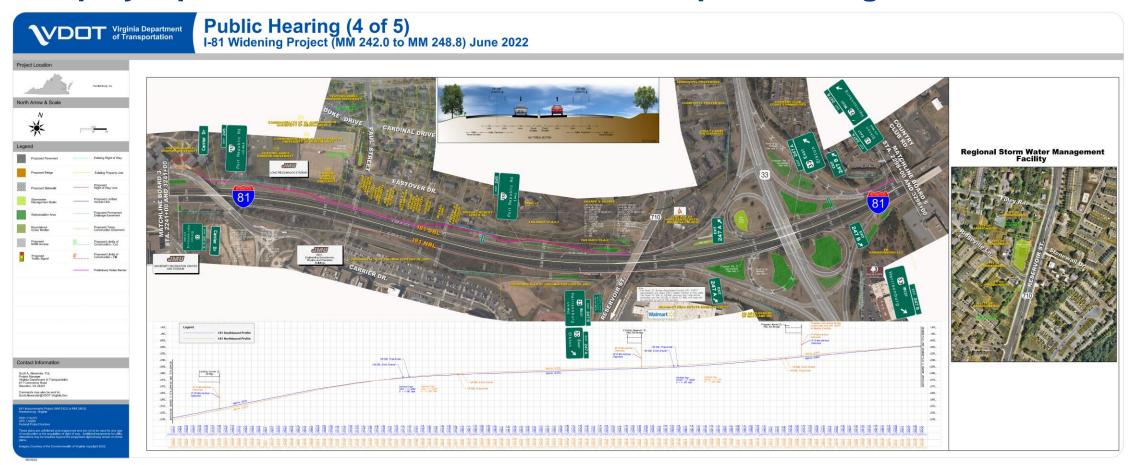
- 3rd lane added towards the median
- Cross-slope, superelevation and crown rollover corrections
- Concrete median barrier
- Noise barrier location (where applicable) variable depending on grade





Features

Digital copy of updated displays provided Displays, plans, videos and info linked at Improve81.org





Features

Project By the Numbers:

5.8	Miles I-81 mainline widening (both directions)
9	Complete bridge replacements
15	Stormwater management facilities
35	% of ex. lanes rec. cross-slope, superelevation, crown correction
11,705	LF of guardrail replacement/upgrades
22,362	LF of proposed sound walls
32,820	LF of median barrier (replaces cable barrier)
740,520	SF reforestation areas within the right of way

While maintaining 2 lanes of traffic in each direction during peak hours



Coordination with City Staff

Ongoing Coordination with City & Stakeholders:

- Pleasant Valley Road improvements
- Early Rd. entrance at Pleasant Valley Elementary
- Bridges over Country Club Rd. (future widening of CC Rd.)
- Bluestone Trail accommodation at Blacks Run bridges
- SWM/flood control facility at Reservoir St. (Woodland Dr.)
- SWM facility at Paul St.
- Fire/rescue emergency access points through noise barriers
- Reforestation area plantings
- Upgraded concrete barrier on I-81 over Duke Dog Alley
- Coordination with adjacent City & VDOT projects



What's Ahead

Noise barrier balloting

Right of way authorization

Utility relocations

Advertise construction

Construction Mobilization

October 2023

Spring 2024

Summer 2024 – Summer 2025

Summer 2025

Fall/Winter 2025



VDOT Noise Policy Overview

- Based on 23 CFR Part 772 which applies to all federallyfunded Type I transportation improvement projects.
- VDOT must assess federally-funded Type I projects for:
 - Highway traffic noise impacts
 - Avoidance/mitigation measures for noise impacts
- Highway Traffic Noise Analysis is completed to determine whether noise abatement measures are Warranted, Feasible, and Reasonable.



VDOT Noise Policy Overview

- Warranted Are there noise impacts?
 - Increase of 10dBA from existing year to design year (2047)
 - Design year noise levels exceed the Noise Abatement Criteria
- Feasible If warranted, will a barrier work here?
 - 5 dBA reduction to at least 50% of the impacted receptors
 - Constructable: safety, access, utilities, drainage, topography, etc.
- Reasonable Will it work well, is it wanted, and is it cost-effective?
 - Provide 7 dBA reduction to at least one impacted site
 - At least 50% of the benefited sites vote in favor of the barrier
 - Does not exceed the maximum of 1,600 SF per benefited receptor



Noise Study Updates

- Preliminary Noise Analysis August 2022
 - Results presented at the 6/28/22 PH
 - Nine feasible and reasonable noise barriers
 - Totaling to over 4 miles and over 400,000 square feet
- Final Design Noise Analysis Fall 2023
 - A more refined and detailed analysis
 - Updated roadway plans, topography, and land use data
 - Reevaluate noise impacts and noise barrier designs
 - Solicit public input barrier voting



Upcoming Noise Barrier Balloting

- Ballots only sent to those benefited by barriers
- Owners and tenants both receive ballots
- Certified mailers with prepaid return envelopes
- 21 days to respond
- Second round of voting if response rate below 50% with 14 days to respond
- 50% of <u>respondents</u> must be in favor for the barrier to move forward to construction
- Votes only apply to the barrier benefiting the voter



Proposed Noise Barrier Aesthetic





Online Resources

I-81 Projects:

https://improve81.org

I-81 Harrisonburg Widening Project:

https://www.virginiadot.org/projects/staunton/interstate-81-harrisonburg-area-widening.asp

VDOT Noise Program:

https://www.virginiadot.org/projects/pr-noise-walls-about.asp

