

Get Involved

VDOT representatives will review and evaluate information received as a result of this meeting. Please fill out the comment sheet provided in this brochure if you have any comments or questions. You may leave the sheet or any other written comments in the comment box, or mail/email your comments.

Comments must be postmarked, emailed or delivered to VDOT by **Nov. 2, 2018**.

Mail comments to Mr. Shahrad Behboodi, P.E. at the address below or email **meetingcomments@vdot.virginia.gov**. Please include "Route 7 Westbound over Sugarland Run" in the subject line.

Project information shared at this meeting will be available online at **www.virginiadot.org/projects** and at VDOT's Northern Virginia Office.

Contact Information

Primary Contact:

Shahrad Behboodi, P.E.

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Structure & Bridge

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Preliminary Engineering

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TTY/TDD Dial 711



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Design Public Hearing

Route 7 Westbound over Sugarland Run Fairfax County

Tuesday, Oct. 23, 2018

6:30 p.m. to 8:30 p.m.

Presentation starts at 7 p.m.

Dranesville Elementary School
1515 Powells Tavern Place
Herndon, VA 20170

Design Public Hearing

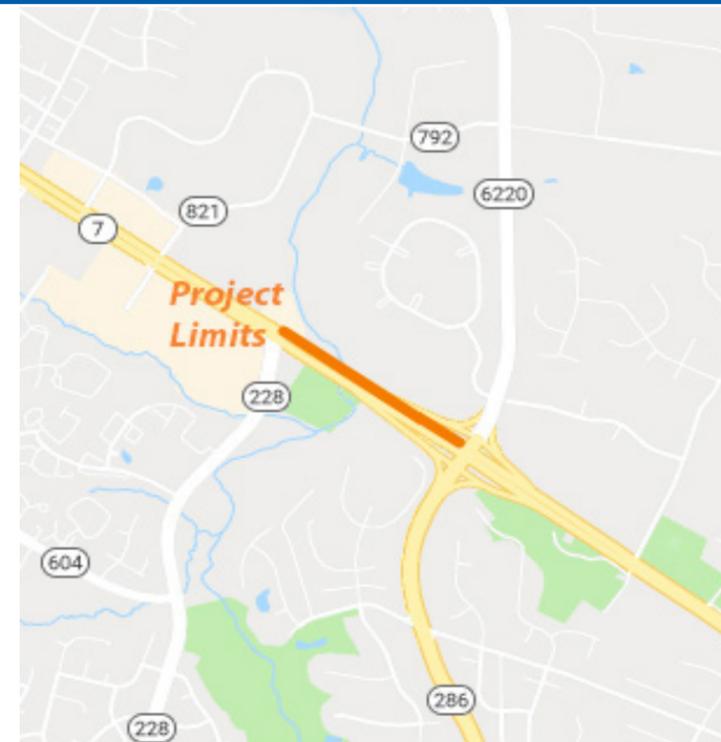
Welcome to the Virginia Department of Transportation's (VDOT) design public hearing on proposed improvements to Route 7 westbound over Sugarland Run. We look forward to your active participation.

This design public hearing is being held to provide an opportunity for citizens and organizations to give VDOT comments and/or suggestions on the proposed project.

VDOT strives to ensure that all members of the community have the opportunity to participate in public decisions on transportation projects and programs affecting them.

VDOT representatives are present to discuss the project and answer your questions. A comment sheet is included in this brochure and your input is encouraged. All written comments received on this project will be reviewed by the design team.

Project Overview



Purpose:

Aims to improve safety and extend the overall life of the bridge

Project Length:

Fairfax County Parkway to Dranesville Road

Improvements:

Rehabilitate and widen the westbound Route 7 (Leesburg Pike) bridge over Sugarland Run

State: 0007-029-113, P101, UPC: 104556, Federal: STP-PM09 (324)

Project Description

This project will rehabilitate and widen the westbound Route 7 (Leesburg Pike) bridge over Sugarland Run in order to improve safety and extend the overall life of the bridge. The bridge was built in 1947.

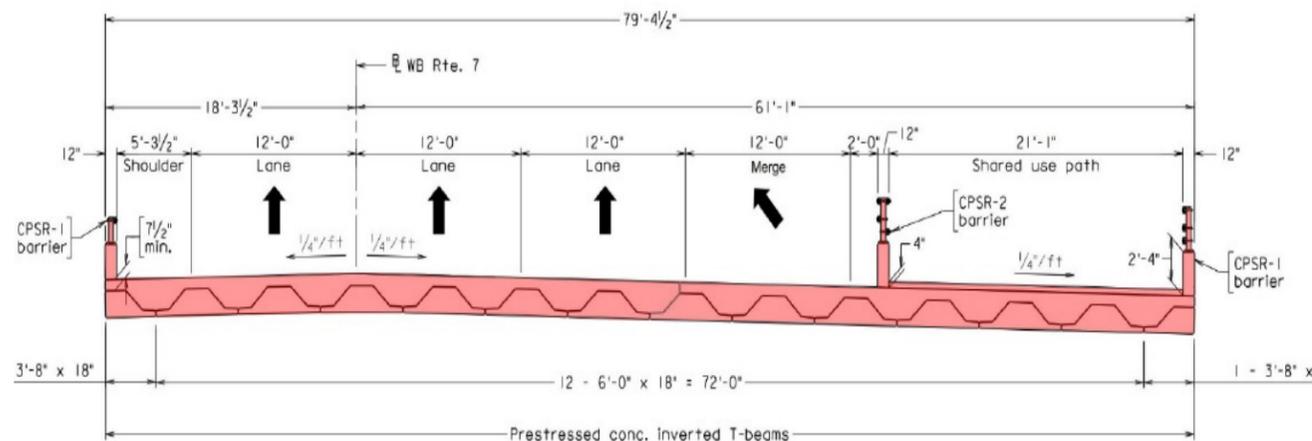
The planned improvements include:

- A new, wider concrete bridge deck
- Widening and repairing the bridge pier and abutments

- Extending the acceleration lane from the Fairfax County Parkway on-ramp to Dranesville Road (Route 228) to improve operations
- Guardrail upgrades and new curb and gutter in the area of the bridge

Route 7 averages 59,000 vehicles a day in the project area, while Fairfax County Parkway averages 31,000 vehicles a day in the project area.

Project Graphic



Estimated Project Cost

Preliminary Engineering Design:
\$1.2 million

Right of Way Acquisition/Utility Relocation:
\$655,000

Construction: **\$9.2 million**

Total Cost: **\$11.1 million**

This project is being financed with state and federal State of Good Repair funds used for maintenance of structures and bridges.

Civil Rights

VDOT ensures nondiscrimination and equal employment in all programs and activities in accordance with Title VI and Title VII of the Civil Rights Act of 1964. If you need more information or special assistance for persons with disabilities or limited English proficiency, contact Mr. Shahrad Behboodi at 703-259-2304 or TTY/TDD 711.

Right of Way

Preliminary right of way impacts presented on the displays are conceptual in nature and may change as the design is refined. The property owners will be informed of the exact location of the easements during the right of way acquisition process and prior to construction.

Information about right of way purchase is discussed in VDOT's brochure, "Right of Way and Utilities: Guide for Property Owners and Tenants." Copies of this brochure are available here from VDOT personnel. After this meeting, information regarding right of way may be obtained from the right of way contact listed on the back of this brochure.

Anticipated Schedule

Design Public Hearing
Oct. 23, 2018

Comment Period Ends
Nov. 2, 2018

Begin Right of Way Acquisition
Summer 2019

Begin Utility Relocation
Winter 2019/20

Begin Construction
2021

Environmental Review

Pursuant to the National Environmental Policy Act (NEPA) and 23 CFR 771, a Programmatic Categorical Exclusion (PCE) was prepared under agreement with the Federal Highway Administration. In compliance with the National Historic Preservation Act, Section 106 and 36 CFR Part 800, information concerning the potential effects of the proposed improvements on properties listed in or eligible for listing in the National Register of Historic Places will be available with the PCE.



Design Public Hearing
**Route 7 Westbound over Sugarland Run
Fairfax County**

**Tuesday, Oct. 23, 2018
6:30 p.m. to 8:30 p.m.
Presentation starts at 7 p.m.**

Dranesville Elementary School
1515 Powells Tavern Place
Herndon, VA 20170

COMMENT SHEET

State: 0007-029-113, P101, UPC: 104556, Federal: STP-PM09 (324)

All comments are subject to public disclosure.

Name (optional): _____
Address (optional): _____
Email (optional): _____

1. What are your major concerns that you would like to see incorporated into this project?

2. Please provide us with any additional information or suggestions that will assist VDOT in the completion of this project.

3. How did you hear about this meeting?

_____ Newspaper _____ Social Media _____ Website _____ Other _____

Fold Line

Postal Service
will not
deliver without
a stamp

Virginia Department of Transportation
Northern Virginia District
Mr. Shahrad Behboodi, P.E.
4975 Alliance Drive
Fairfax, VA 22030

Fold Line



**ROUTE 7 WESTBOUND OVER SUGARLAND RUN
BRIDGE REHABILITATION AND WIDENING
FAIRFAX COUNTY
PROJECT NO. 0007-029-113; UPC 104556**

PUBLIC HEARING

www.virginiadot.org/projects

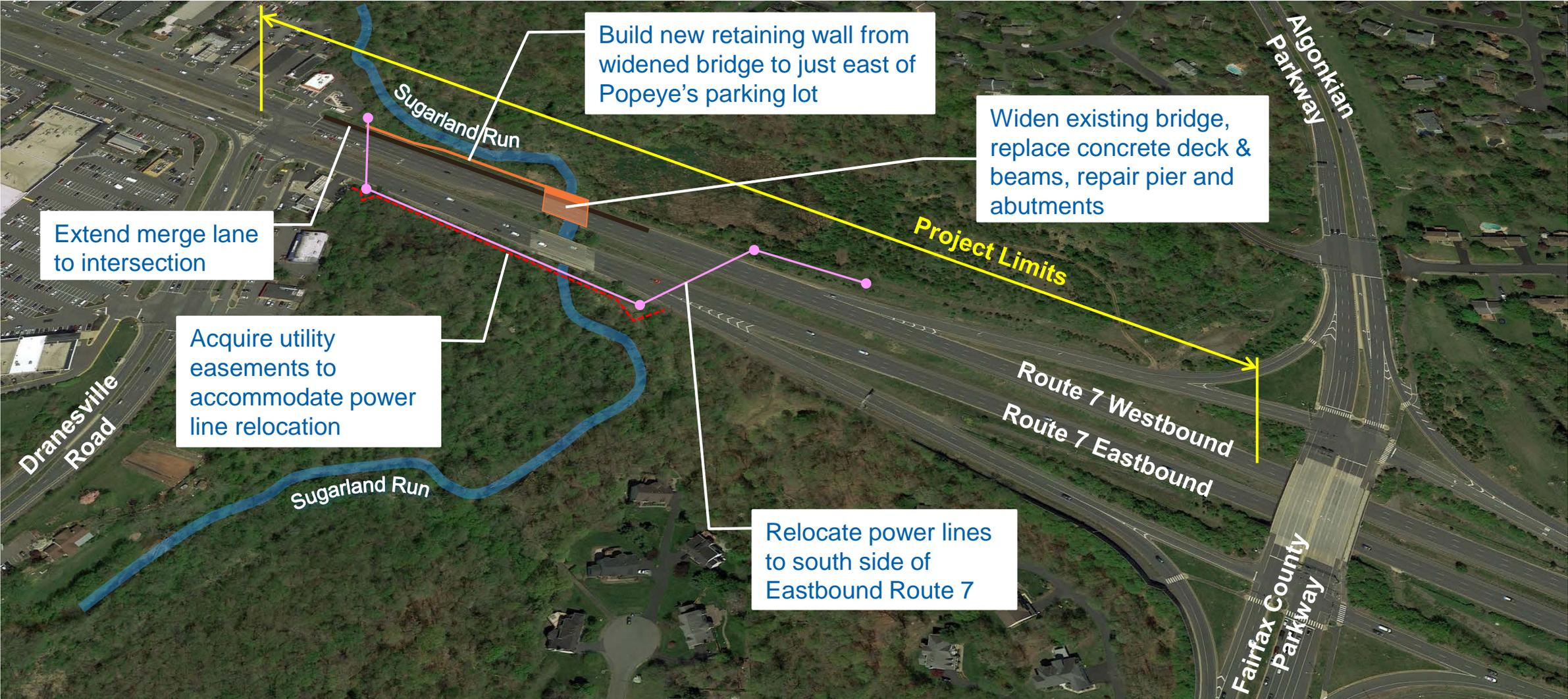
Shahrad Behboodi, PE – Project Manager, Structure & Bridge

Tuesday, 23rd October, 2018

PROJECT LOCATION



PROJECT OVERVIEW



EXISTING BRIDGE DESCRIPTION



- Existing Bridge built in 1947. Superstructure replaced and widened in 1981. Bridge widened again in 2000 to current width.
- Bridge length 82' (two spans), Bridge width 60'-1"

EXISTING BRIDGE DESCRIPTION



- **Roadway Classification: Urban Principal Arterial**
- **Posted Speed Limit 45 mph**
- **Average Daily Traffic = 38,000 vehicles (includes 620 trucks) on Westbound Route 7**

EXISTING CONDITION & PROPOSED WORK

BRIDGE DECK AND BEAMS



Deterioration on underside of prestressed concrete beams

Spalling concrete and broken prestressing (steel reinforcement) strands

Condition Rating 4 of 9 (Poor, Structurally Deficient)

- **Proposed work: Concrete deck and beams will be replaced with Prestressed Concrete Inverted Tee Beams (latest VDOT standard)**

EXISTING CONDITION & PROPOSED WORK

BRIDGE DECK AND DRAINAGE



Drain pipes in sidewalk drain water from low point on bridge

Debris clogging drain pipes cause ponding water on roadway and deterioration and staining of bridge concrete

➤ **Proposed work: Bridge will be raised to move drainage “low point” off bridge**

EXISTING CONDITION & PROPOSED WORK BRIDGE ABUTMENTS AND PIER



Abutment and pier walls are in fair condition (Condition Rating 6 of 9) with minor spalls, cracks, delaminated concrete areas and graffiti.

➤ **Proposed: Bridge abutments and pier will be repaired and receive waterproofing coating**

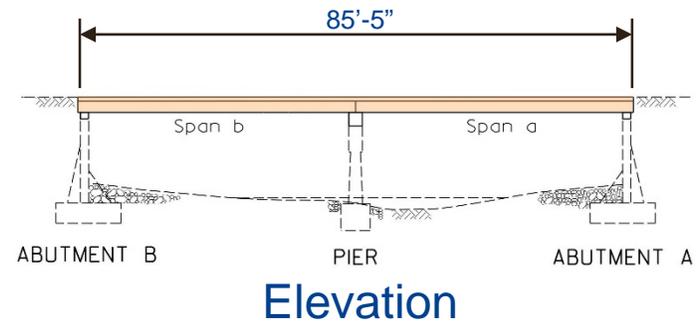
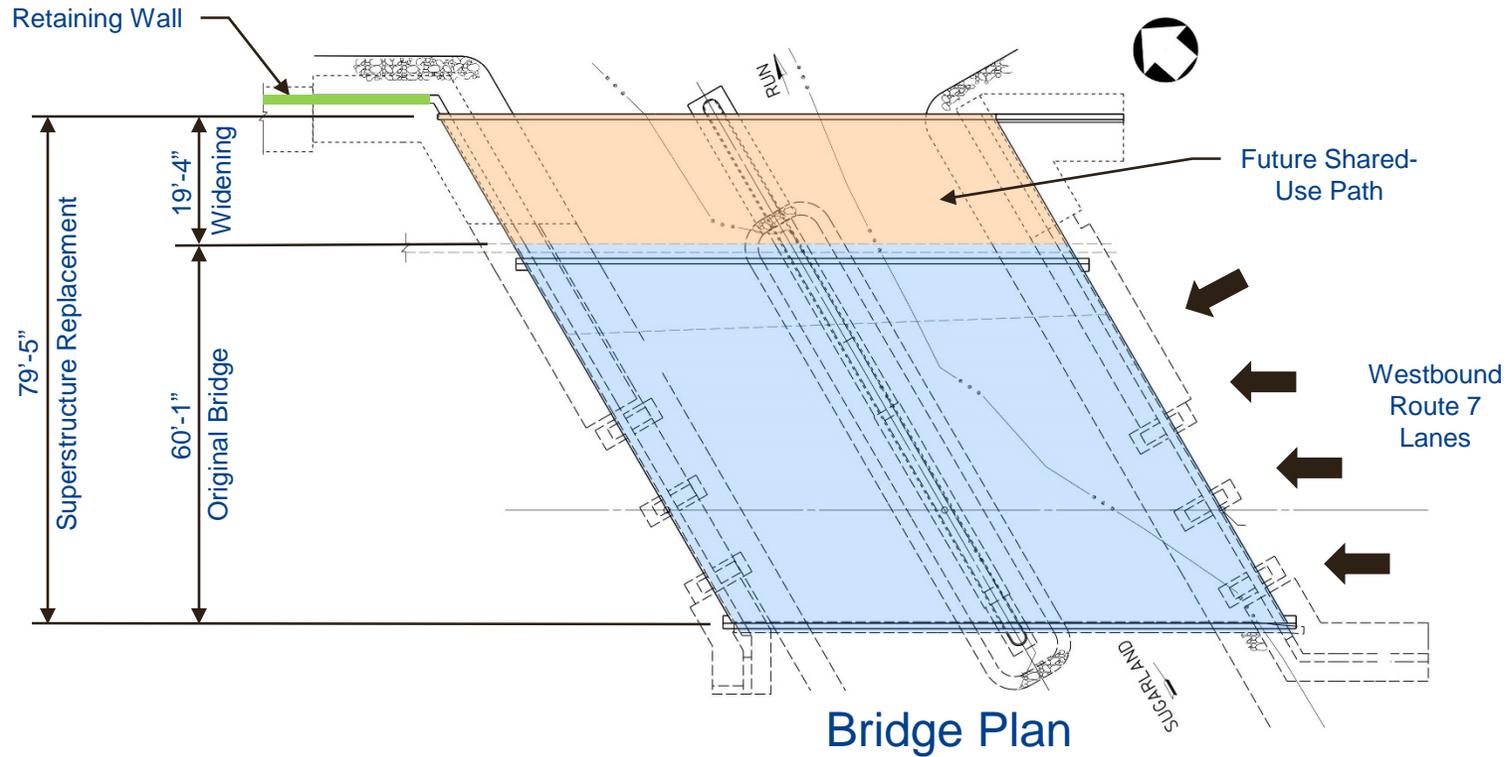
EXISTING CONDITION & PROPOSED WORK UTILITIES



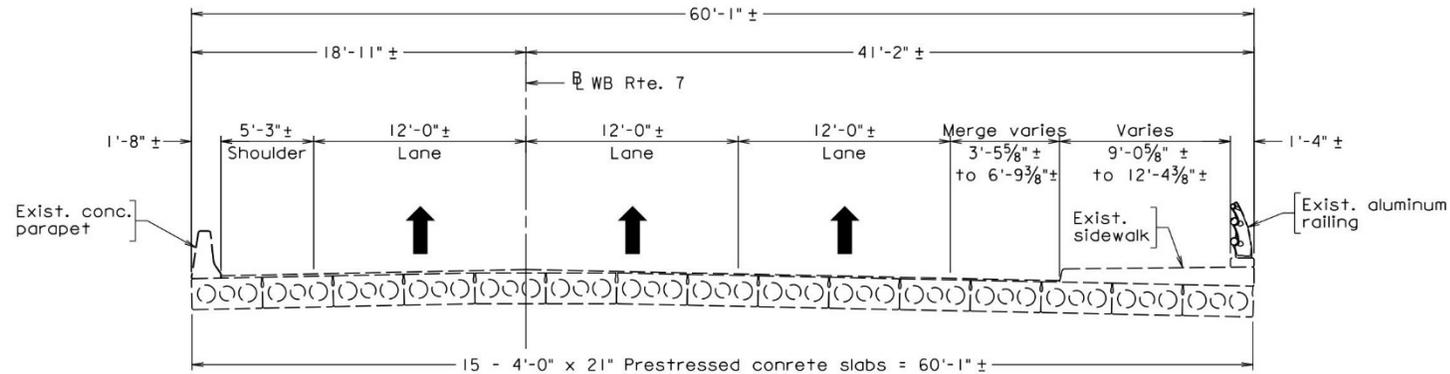
Existing utilities along WB Route 7

- Existing overhead power, telephone and fiber optic lines will be relocated to the south side of eastbound Route 7.
- Existing buried water, gas and sanitary sewer will be protected and maintained during construction.

BRIDGE PLAN AND ELEVATION

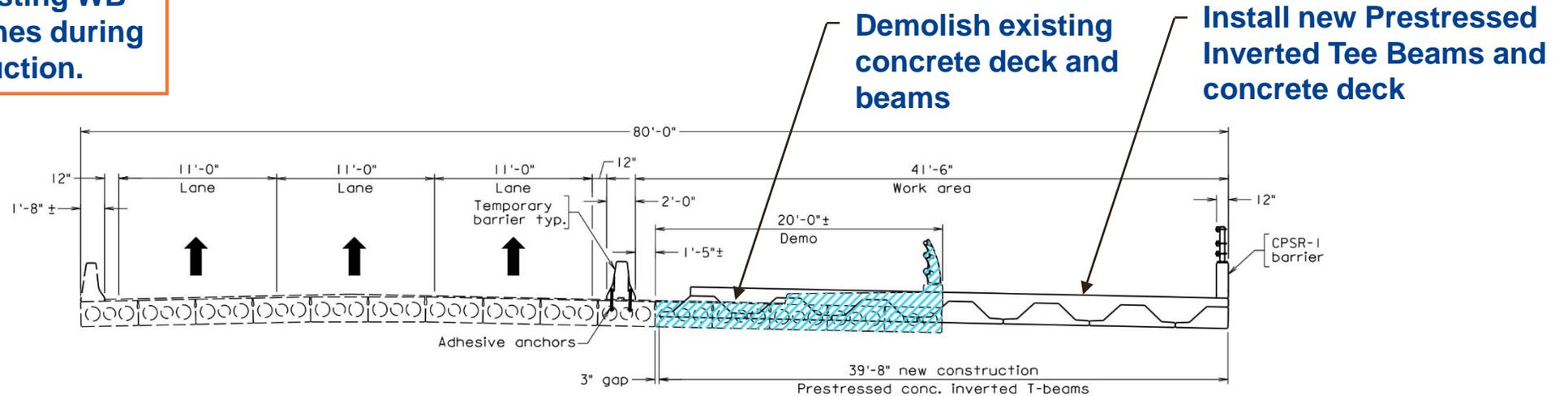


PROPOSED SUPERSTRUCTURE REPLACEMENT



EXISTING BRIDGE

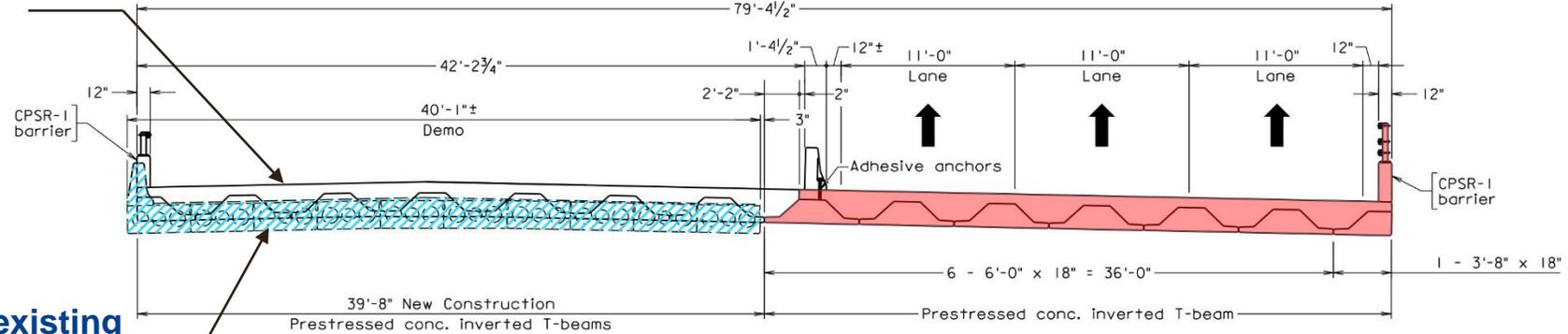
Maintain three existing WB Route 7 through lanes during Staged construction.



STAGE 1

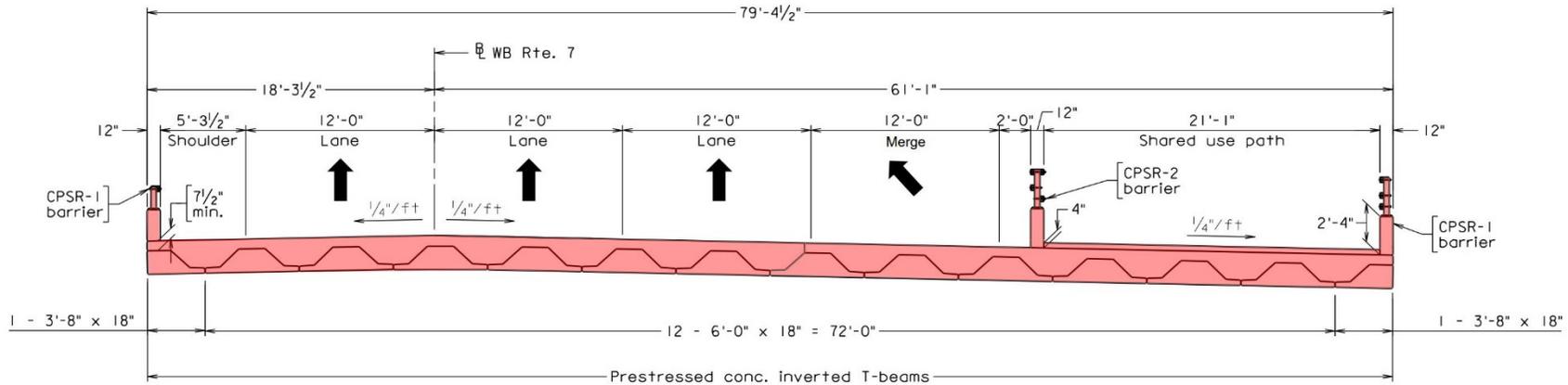
PROPOSED SUPERSTRUCTURE REPLACEMENT

Install new Prestressed Inverted Tee Beams and concrete deck



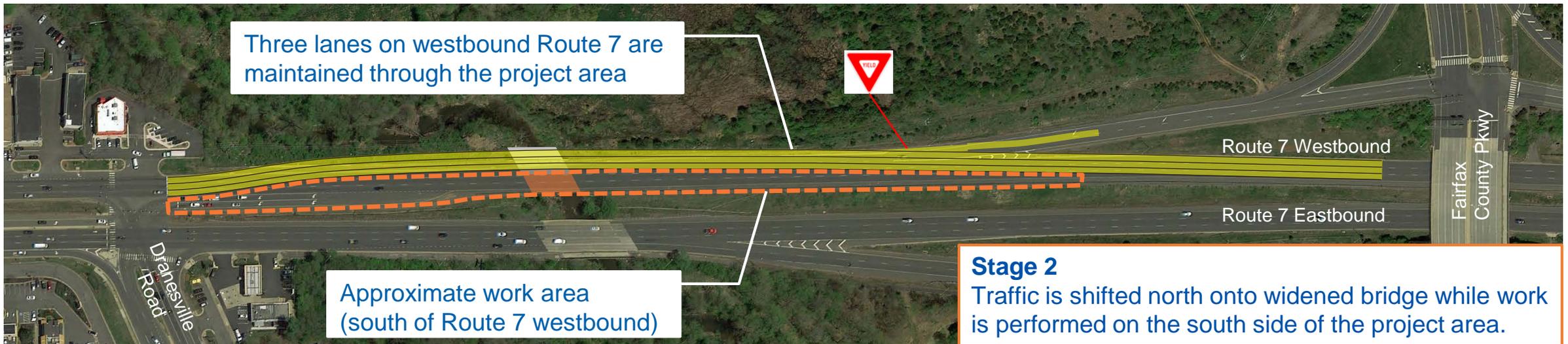
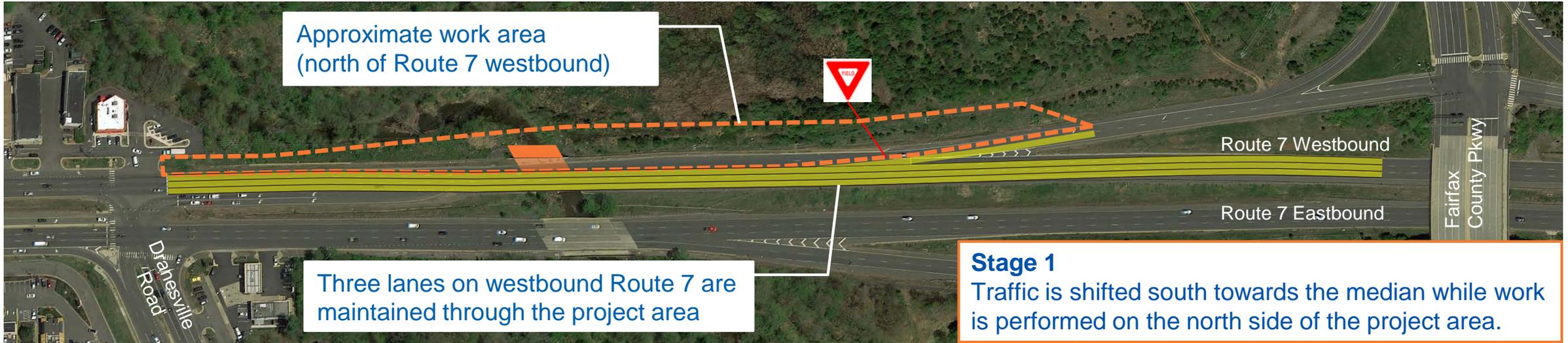
STAGE 2

Demolish existing concrete deck and beams



PROPOSED BRIDGE

PROPOSED MAINTENANCE OF TRAFFIC



ANTICIPATED SCHEDULE AND COST

Anticipated Schedule:

Construction

Begin Right of Way Acquisition: Summer 2019

Begin Utility Relocation: Winter 2019/20

Advertisement for Construction: December 2020

Begin Construction: 2021

Estimated Project Cost: (State of Good Repair [SGR] Funded)

Total Cost: \$11.1 million (PE, Utility and Construction)

Preliminary Engineering \$ 1.2 million

ROW-Utility \$ 655,000

Construction \$ 9.2 million (SGR Funds)

THANK YOU

QUESTIONS & COMMENTS

Send comments via email or comment form until October 30th
to:

Shahrad Behboodi, P.E.
NOVA District Project Manager
(703) 259-2304
shahrad.behboodi@vdot.virginia.gov