



www.VirginiaDOT.org

Public Information Meeting

Route 29 Northbound over Cub Run Bridge Rehabilitation Fairfax County

Thursday, Nov. 7, 2019

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

Presentation starts at 7 p.m.

Bull Run Elementary School
15301 Lee Highway
Centreville, VA 20121

Public Information Meeting

Welcome to the Virginia Department of Transportation's (VDOT) public information meeting about plans to rehabilitate the northbound Route 29 (Lee Highway) bridge over Cub Run. This project aims to improve safety and extend the overall life of the bridge, which was built in 1954. We look forward to your active participation.

This meeting is being held to provide an opportunity for residents and organizations to give VDOT comments and/or suggestions on the 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 here to discuss the project and answer your questions. We've included a comment sheet with this brochure and encourage your input. All written comments received will be reviewed by the design team, summarized and made available on the VDOT project website.

Project at a Glance



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

Lengths and Limits: Route 29 Northbound over Cub Run in Fairfax County

Phase: In Design

Begin Construction: Summer 2020

Cost: \$3.2 million

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

State Project: 0029-029-403, P101, UPC: 112361, Federal: STP-BR09 (297)

Project Overview

This project will rehabilitate the northbound Route 29 (Lee Highway) bridge over Cub Run. The bridge was built in 1954.

The planned improvements include:

- Replacing the concrete deck
- Installing steel beams
- Rebuilding the concrete pedestals
- Replacing the bridge bearings
- Repairing cracks

Route 29 averages 26,000 combined northbound and southbound vehicles a day at Cub Run.

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 Edwin Woo, P.E. at 703-259-2607 or TTY/TDD 711.

Get Involved

VDOT will review and evaluate any information received as a result of the public information meeting. The comment sheet and brochure is provided to assist in making your comments. 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. 18, 2018**. Mail comments to Edwin Woo, P.E. at the address below or email meetingcomments@vdot.virginia.gov.

Environmental Review

Pursuant to the National Environmental Policy Act (NEPA) and 23 CFR 771, a NEPA document in the form of a Programmatic Categorical Exclusion (PCE) was prepared for this project under a Programmatic Agreement between VDOT and the Federal Highway Administration (FHWA), and is available on the project's website. In compliance with the Section 106 provisions of the National Historic Preservation Act and its implementing regulations, 36 CFR 800, information concerning potential effects on properties listed in or eligible for listing in the National Register of Historic Places is included in the PCE. All additional environmental clearances and required permits will be obtained prior to commencement of rehabilitation work on Cub Run Bridge.

Right of Way

The construction work associated with this bridge rehabilitation will not require the displacement of any families, businesses or non-profit organizations.

As the project is further developed, additional right of way for utility relocation or construction may be required beyond the proposed limits shown.

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 Right of Way and Utilities brochure, "A Guide for Property Owners and Tenants." Copies of this brochure are available on the VDOT website and from any VDOT Right of Way agent.

Contact Information

Primary Contact:
Edwin Woo, P.E.

Structure & Bridge

4975 Alliance Drive
Fairfax, VA 22030

703-259-2607



Public Information Meeting
**Route 29 Northbound over Cub Run
Bridge Rehabilitation
Fairfax County**

**Thursday, Nov. 7, 2019
6:30 p.m. to 8 p.m.
Presentation starts at 7 p.m.**

Bull Run Elementary School
15301 Lee Highway
Centreville, VA 20121

COMMENT SHEET

State Project: 0029-029-403, P101, UPC: 112361, Federal: STP-BR09 (297)

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. Edwin Woo, P.E.
4975 Alliance Drive
Fairfax, VA 22030

Fold Line



ROUTE 29 NORTHBOUND SUPERSTRUCTURE BRIDGE REPLACEMENT OVER CUB RUN

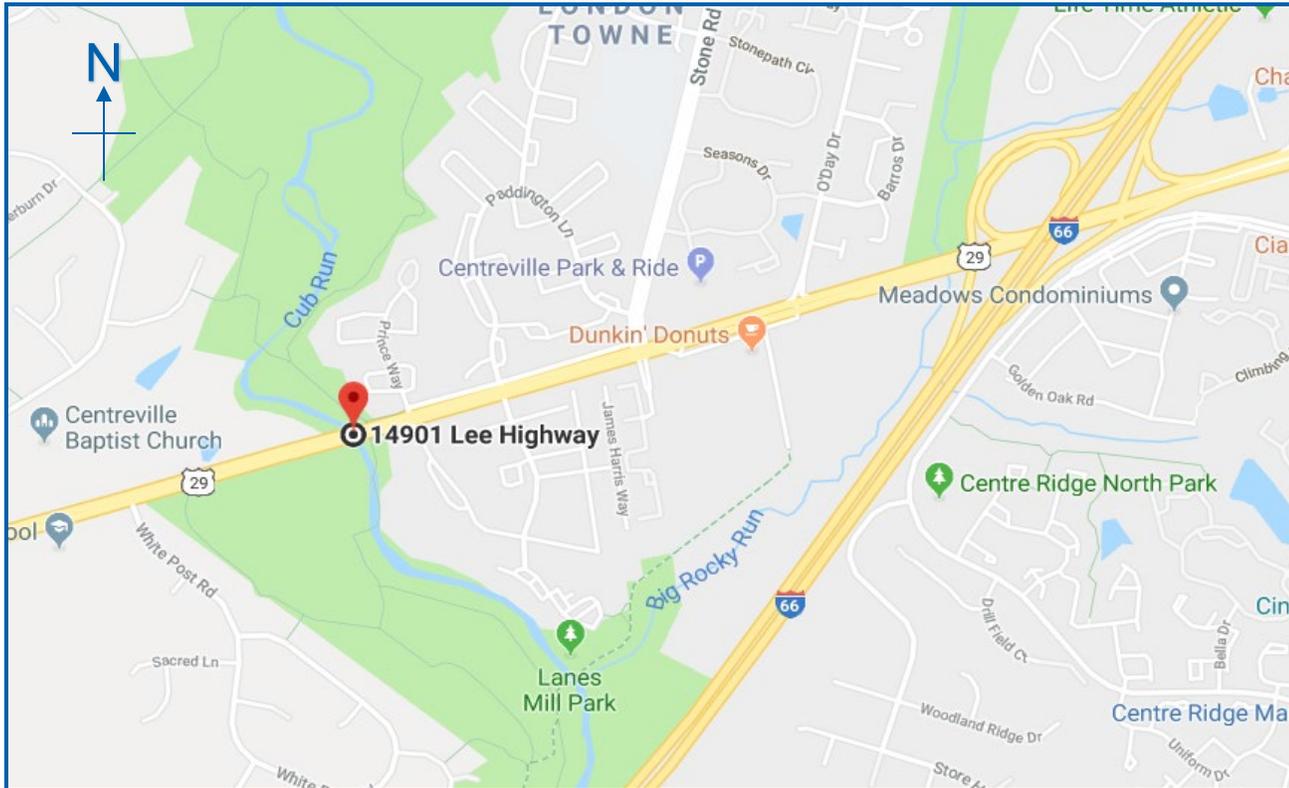
Project Number: 0029-029-403 UPC: 112361

Public Information Meeting
November 7, 2019

Presentation Agenda

- **Project Location and Overview**
- **Existing Bridge Conditions and Proposed Work**
- **Proposed Traffic Control**
- **Anticipated Project Schedule and Cost**
- **Questions and Answers**

Project Location and Description



- **Built in 1954**
- **67.91 feet long with two equal simple spans**
- **Northbound bridge carries two lanes with no sidewalk**
- **Roadway classification: Urban Minor Arterial**
- **Posted Speed Limit: 50 mph**
- **Average Daily Traffic: 13,000 vehicles (2018)**

Project Overview



- **Replace superstructure with concrete deck and steel beams**
- **Rebuild concrete bearing pedestals**
- **Replace bridge bearings**
- **Repair concrete delamination and spalls**

Existing Conditions: Bridge Deck and Approach Slabs



- **Condition Rating = Poor**
- **Carries two northbound lanes with no sidewalk**
- **Top of deck in fair condition with concrete patch repairs**
- **Proposed work: Replace existing deck with lightweight concrete deck**

Existing Conditions: Bridge Superstructure



- **Condition Rating = Poor**
- **Spall on edge of beam**

- **Reinforcement exposed**
- **Spall on end of diaphragm at pier**

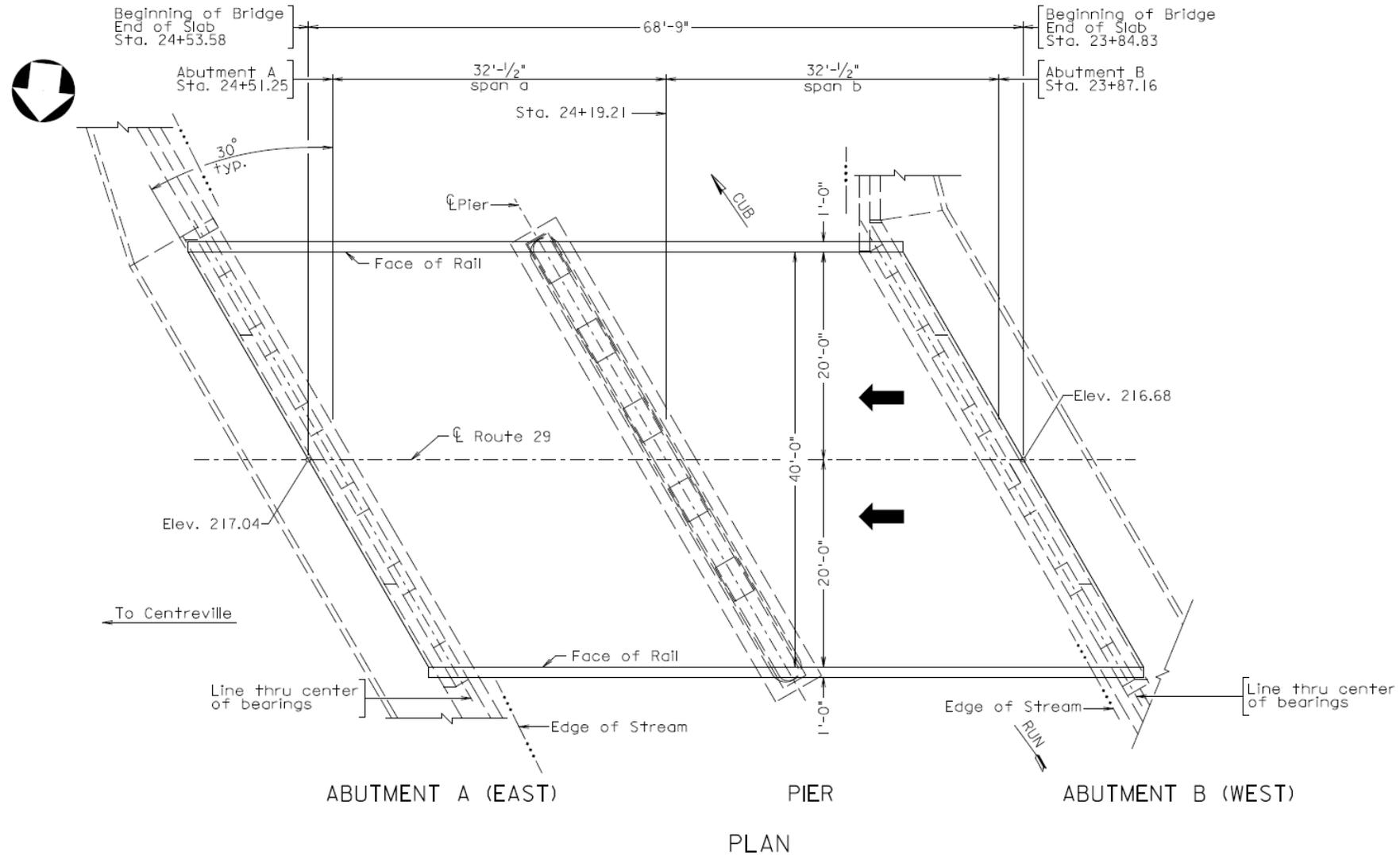
➤ **Proposed work: Replace concrete superstructure**

Existing Conditions: Bridge Substructure

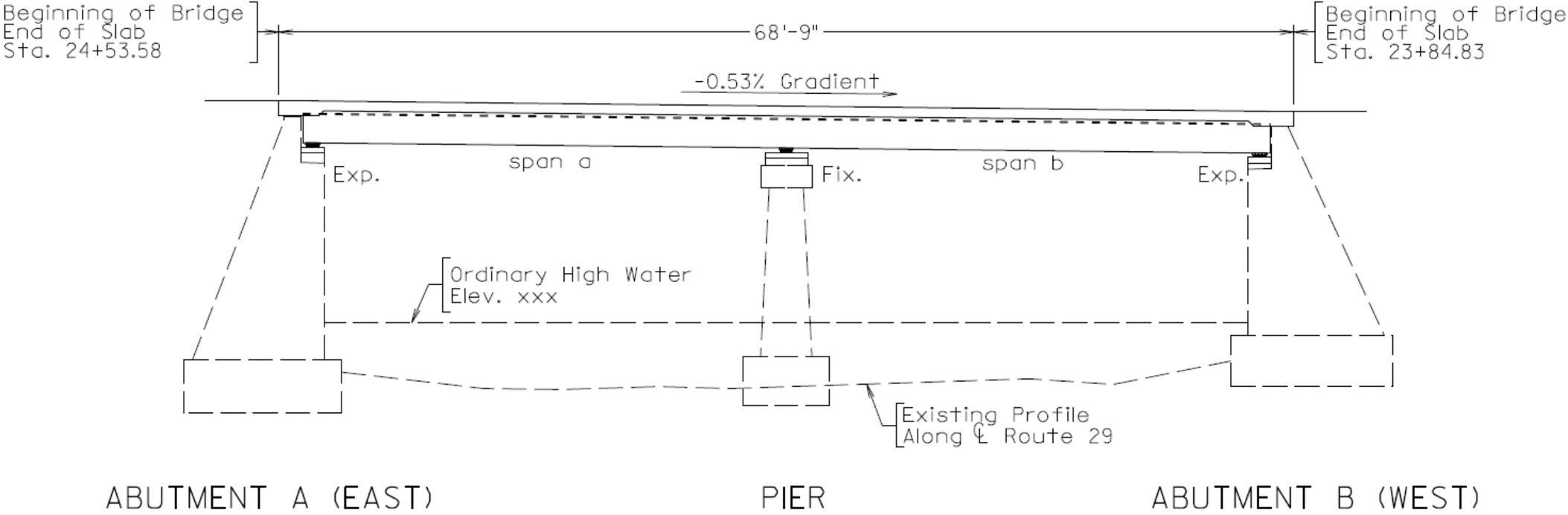


- **Condition Rating = Poor**
 - **Vertical cracks**
 - **Loss of bearing**
 - **Spall in bearing seat**
 - **Delamination of concrete areas**
- **Proposed work: Replace bearings and rebuild pads, repair cracks**

Proposed Northbound Bridge Plan

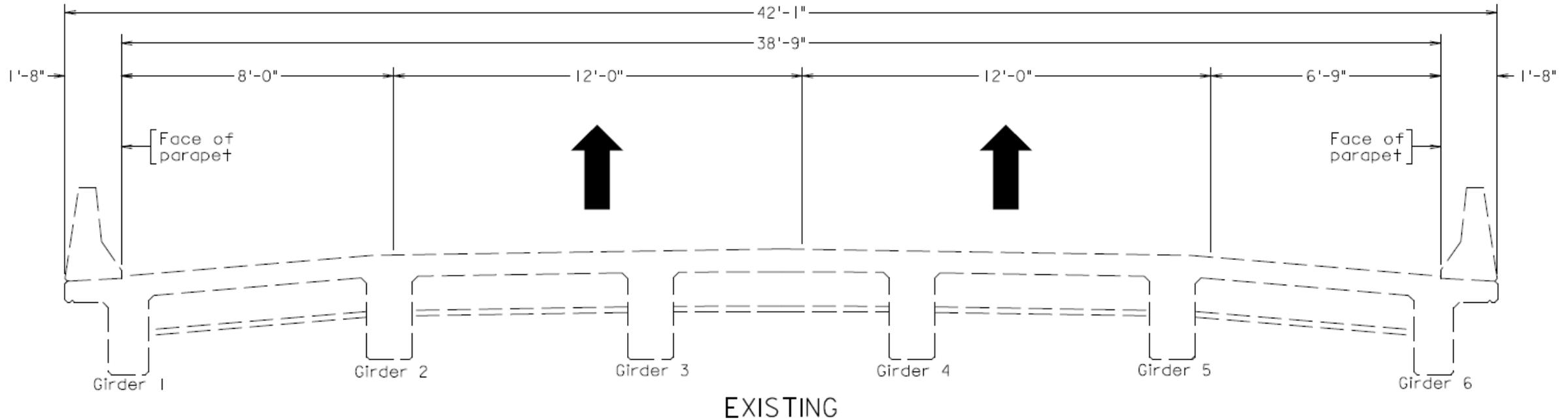


Proposed Northbound Bridge Elevation



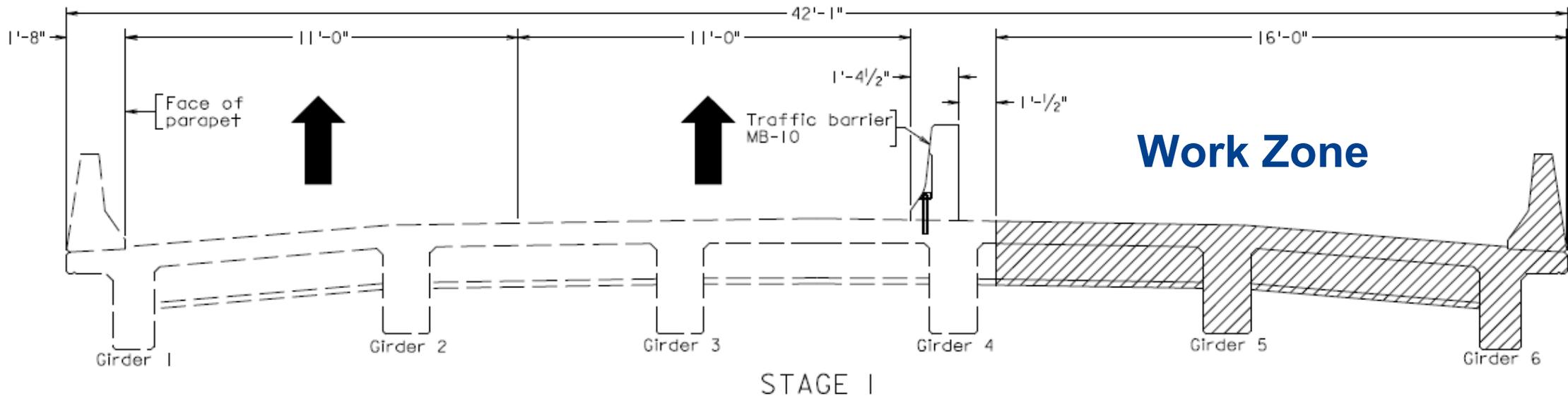
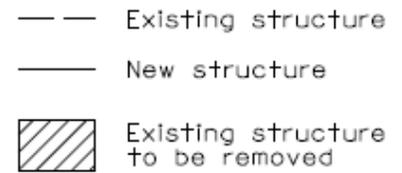
DEVELOPED SECTION ALONG CL

Existing Northbound Bridge



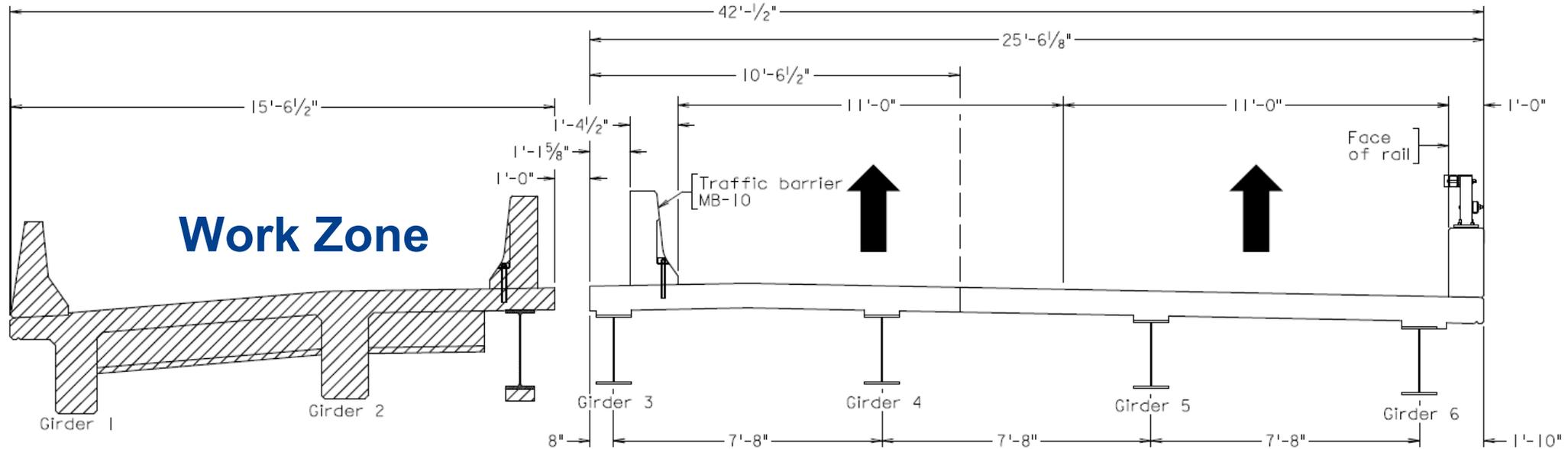
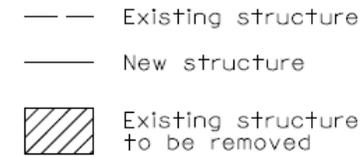
- Remove and replace concrete deck
- Install steel beams
- Replace barriers

Proposed Traffic Control – Stage 1



- All work will be done within VDOT right of way
- Maintain two existing through lanes during construction with possible temporary nighttime lane closures

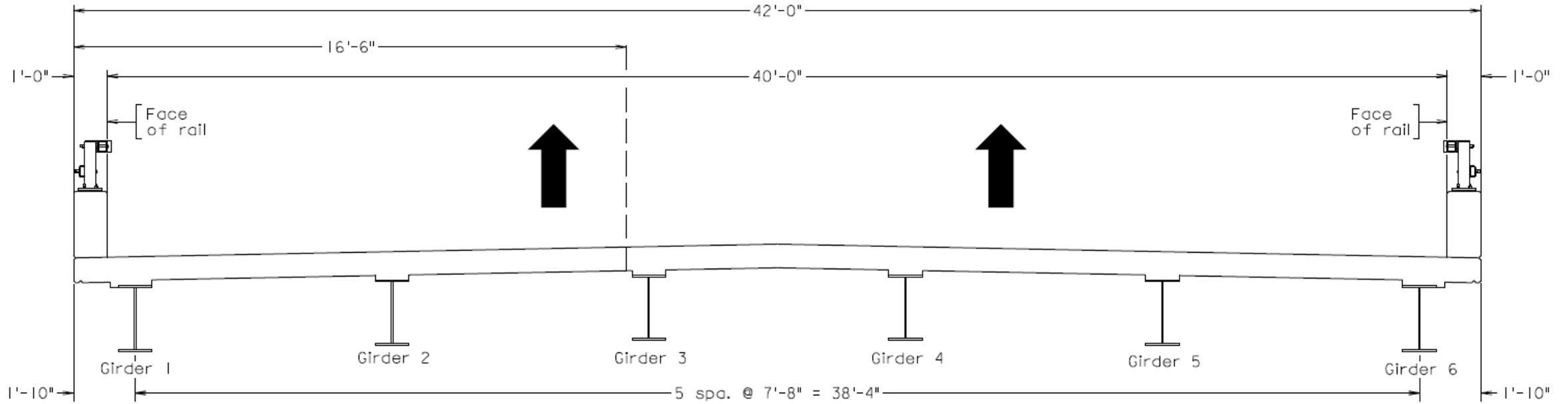
Proposed Traffic Control – Stage 3



STAGE III

- All work will be done within VDOT right of way
- Maintain two existing through lanes during construction with possible temporary nighttime lane closures

Proposed Northbound Bridge



PROPOSED STRUCTURE

Anticipated Project Schedule

Milestones	Dates
Public Information Meeting	Nov 7, 2019
Advertise for Construction	Spring 2020
Begin Construction	Summer 2020
Complete Construction	Summer 2021

Anticipated Project Cost and Funding

Phase	Cost
Preliminary Engineering	\$ 230,000
Construction	\$ 3,000,000
Total	\$ 3,230,000
Funding: State of Good Repair (pending)	

Questions?

- **Contact information:**

Project Manager:	Edwin Woo, Structures & Bridge
Address:	4975 Alliance Drive, Fairfax, VA 2203
Email:	edwin.woo@vdot.virginia.gov
Phone:	703-259-2607

- **Email comments to:** meetingcomments@vdot.virginia.gov

- Please include “Route 29 Northbound over Cub Run Bridge Rehabilitation” in subject line
- Comment period ends: November 18, 2019

- **Project information for this meeting is available:**

- Online: www.virginiadot.org/projects
- In Person: VDOT’s Northern Virginia Office

