



Montgomery County Department of Transportation

Division of Transportation Engineering

Public Information Meeting

Replacement of Bridge No. M-0157

Burnt Hill Road Over Little Bennett Creek



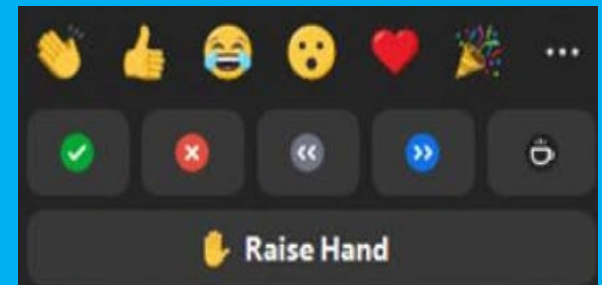
January 29, 2024

This meeting is being recorded.



Zoom Meeting Controls

- All microphones have been muted and cameras turned off.
- To reduce bandwidth of tonight's meeting, please do not turn on your camera.
- Following tonight's presentation, there will be a Question-and-Answer session if time allows. Please wait until the presentation ends to raise your hand to ask a question. Alternatively, you may type your question into the chat box throughout tonight's presentation.
- To raise your hand following the presentation, please click on "Reactions" icon at the bottom of your screen, and then click "Raise Hand."
- If you called into tonight's meeting via telephone, press *9 to raise your hand and *6 to unmute yourself.





Purpose of Meeting

- **Introduce Project Team**
- **Present Existing Bridge Conditions**
- **Present Project Scope and Proposed Bridge**
- **Present Maintenance of Traffic during Construction**
- **Present Current Project Cost Estimates, Funding and Schedule**
- **Obtain Community Input**



Project Team

▪ **Montgomery County Department of Transportation**

- **Brian Copley** **Chief, Bridge Design** **240-777-7261**
- **Holger Serrano** **Project Manager** **240-876-2285**
- **Stella Igbinedion** **Traffic Project Manager**
- **Gizachew Tiruneh** **Acting Contract Unit Chief**

▪ **M-NCPPC Montgomery Planning and Montgomery Parks**

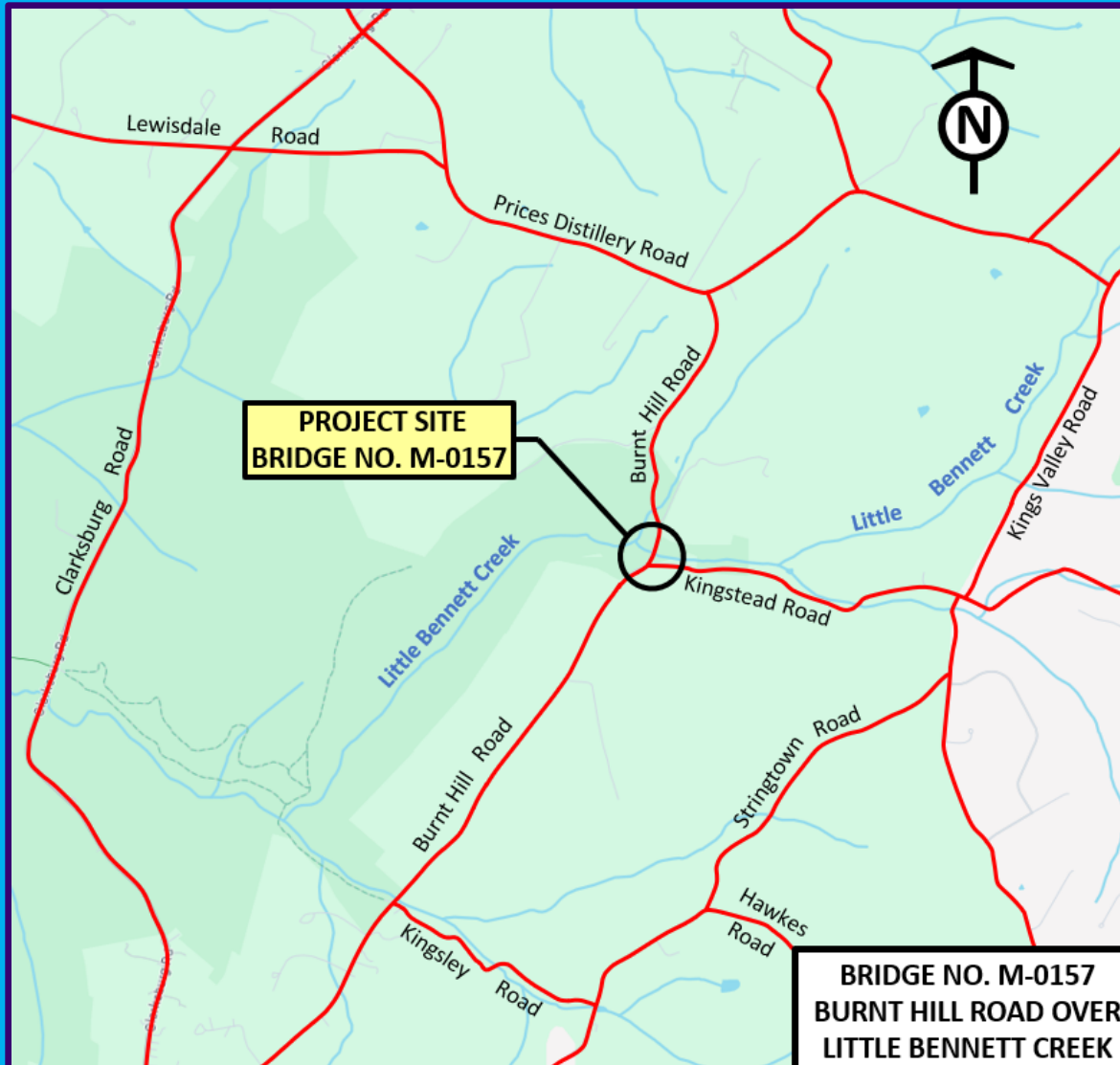
- **Stephen Aldrich** **Transportation Master Planner**
- **Douglas Stephens** **Principal Natural Resources Specialist**
- **Magdelyn McLane** **Natural Resources Specialist**

▪ **Design Consultant**

- **Bimal Patel** **Stantec, Contract Manager**
- **Gregor Fahrendorf** **Stantec, Project Manager**
- **Sumer Alsatrah** **Coastal Resources,**
Water Resources Engineer



Project Location





Local Master Plans, Speed Limit and Traffic Data

- **2023 Rustic Roads Functional Master Plan**
 - **Rustic Road**

- **2018 Montgomery County Bicycle Master**
 - **No Existing or Planned Bike Facility**

- **Posted Speed Limit**
 - **40 MPH**

- **Advisory Speed Limit**
 - **35 MPH**

- **Fall 2022 Traffic Count**
 - **Approximately 825 Vehicles/Day**



Existing Burnt Hill Road Bridge

South Approach Roadway Looking North



- Built in 1955
- 17'-0" Long Single Span Concrete T-Beam with Concrete Deck
- 18'-1" Clear Roadway for Two-Way Traffic



West Elevation (Downstream)

- W-Beam Railings on Both Sides
- Supported on Concrete Abutments
- Posted for Weight Restriction of 30,000 lbs for Single and Combination Vehicles



Deterioration of Existing Bridge

Structural condition



**Concrete
T-Beams**

**Abutment
Stem**

Footing



Deterioration of Existing Bridge

1. Concrete Deck



- Deterioration of Asphalt Overlay and Failing Patches
- W-Beam Railings with Collision Damage and Numerous Scrape Marks





Deterioration of Existing Bridge

2. Concrete T-Beams



- Severe Spalling Exposing Corroded Reinforcement
- Efflorescence in Concrete T-Beams





Deterioration of Existing Bridge

3. Concrete Abutments



- Spalls and Efflorescence in Abutment Stems



Deterioration of Existing Bridge

4. Concrete Abutment Footings



- Scour Exposing Bottom of North Abutment Footing





Deterioration of Existing Bridge

5. Stream Bank Erosion



- Severely Scoured Stream Banks
- Vertical Cuts and Exposed Tree Roots along Stream Banks

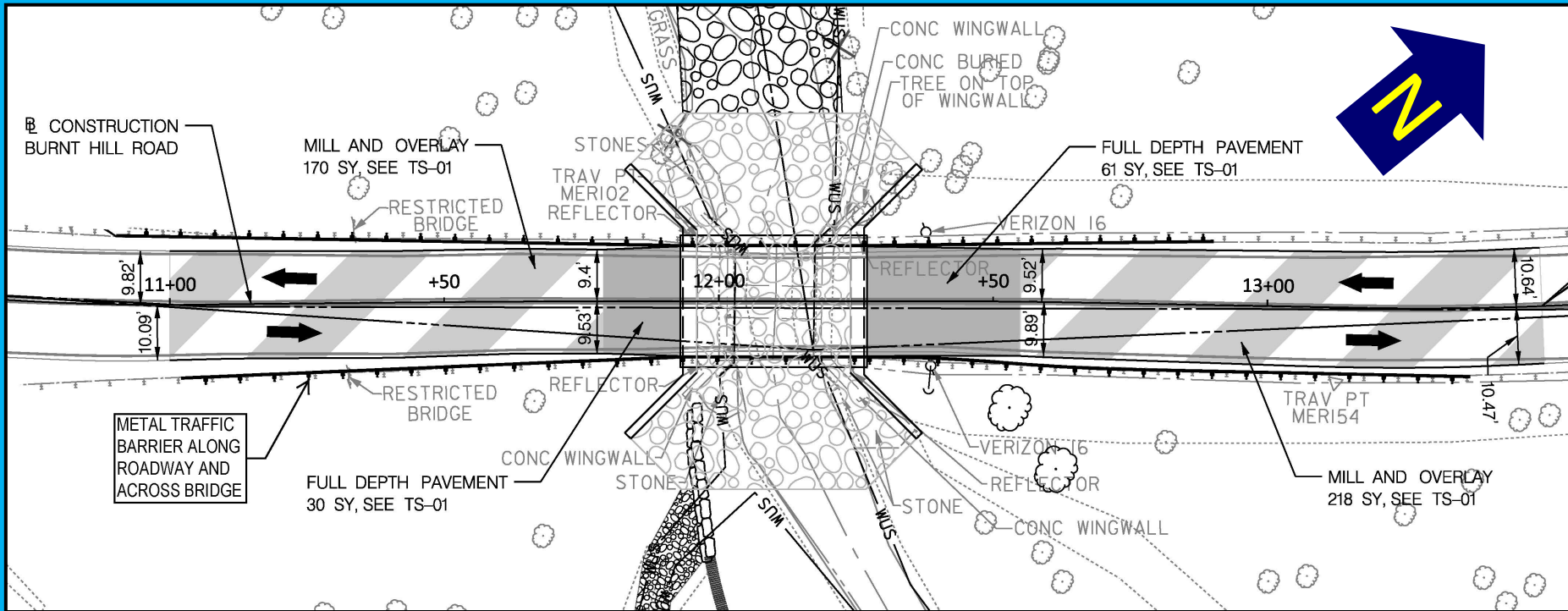




Proposed Burnt Hill Road Bridge

Project Scope

- Replacement of Existing Bridge and Stabilization of Stream
- Scour Protection
- Repaving of Existing Approach Roadway

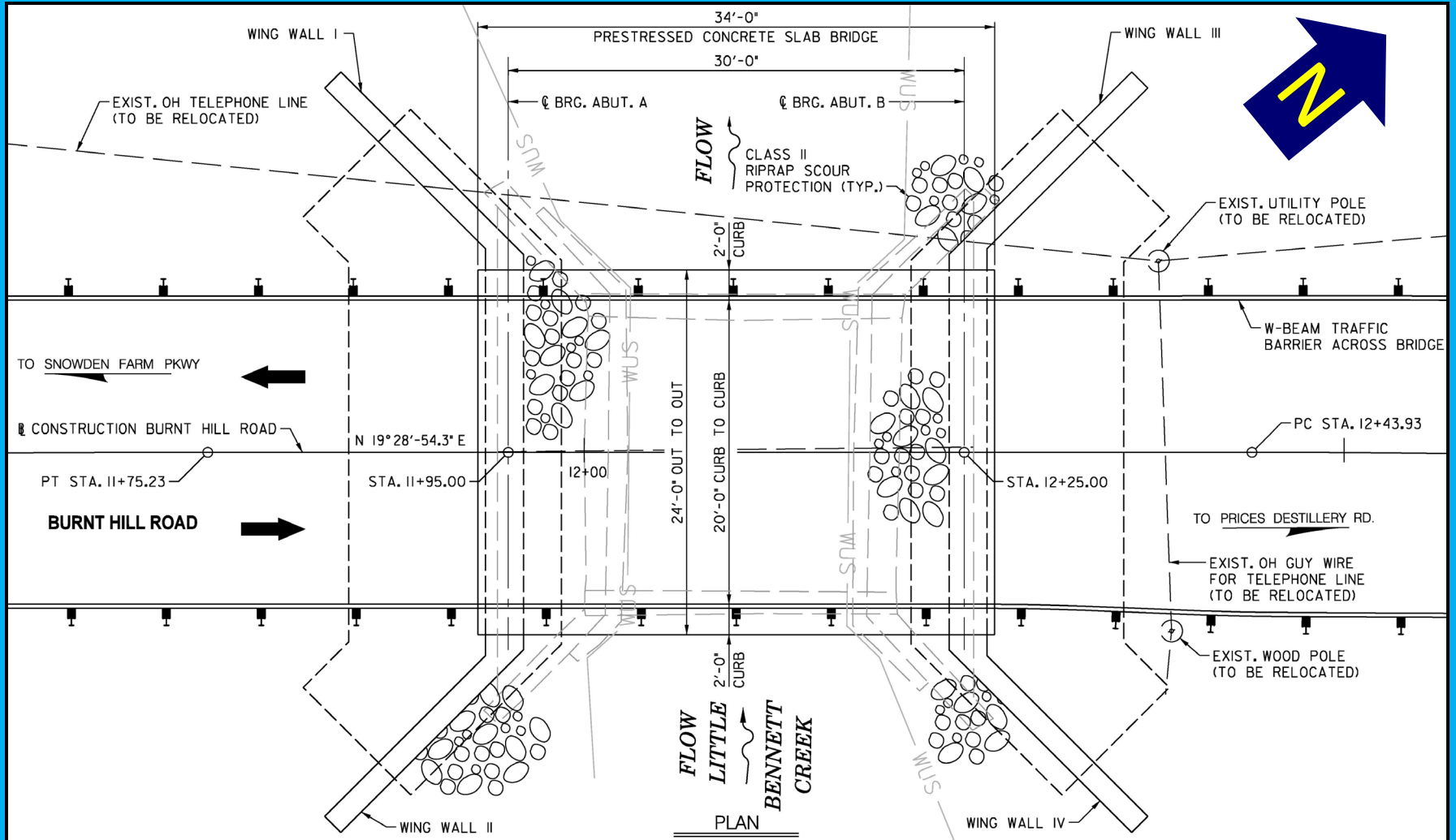




Proposed Burnt Hill Road Bridge

Bridge Plan

- Approximately 34 ft Long Simple Span

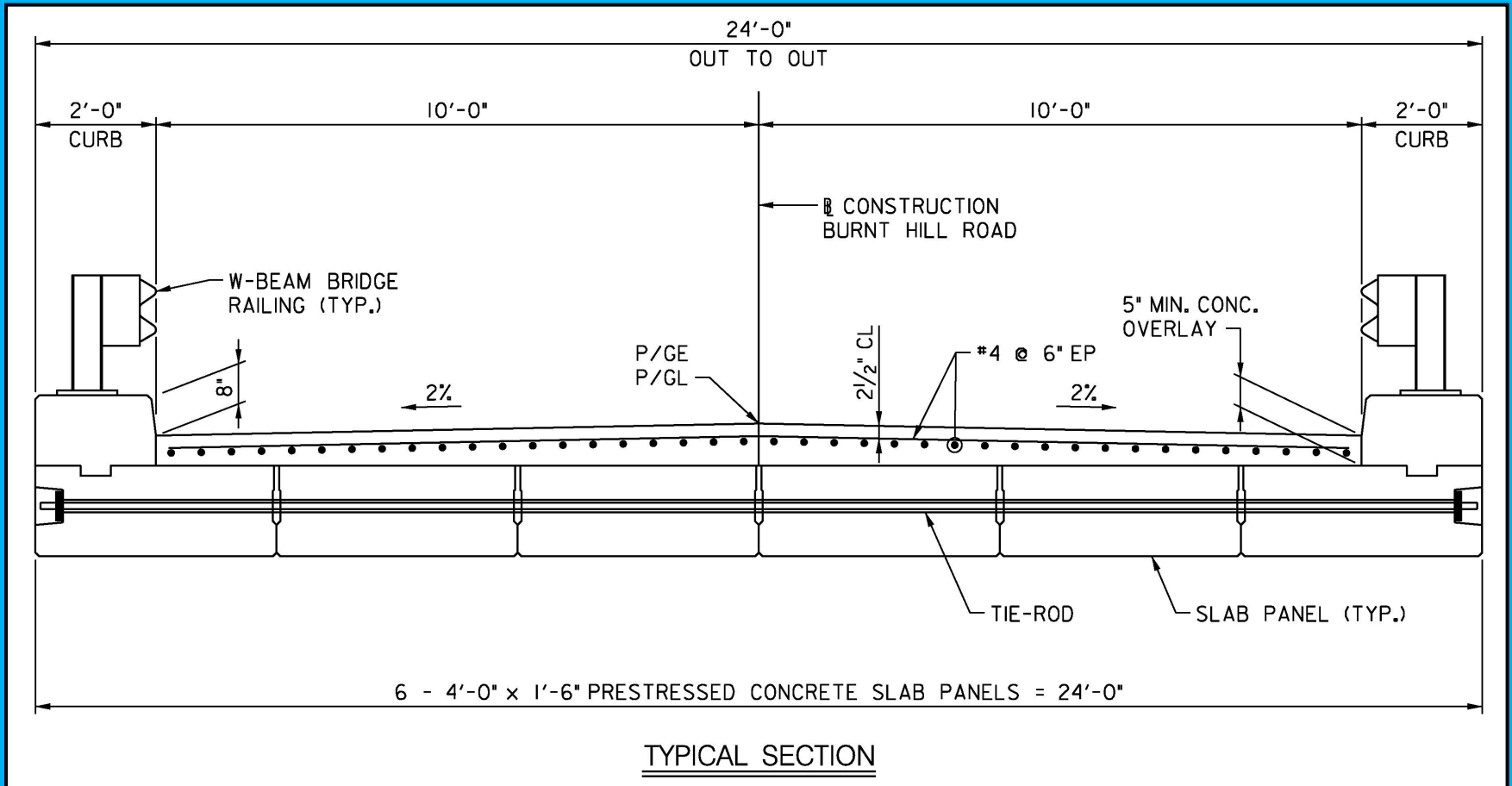




Proposed Burnt Hill Road Bridge

Superstructure Typical Section

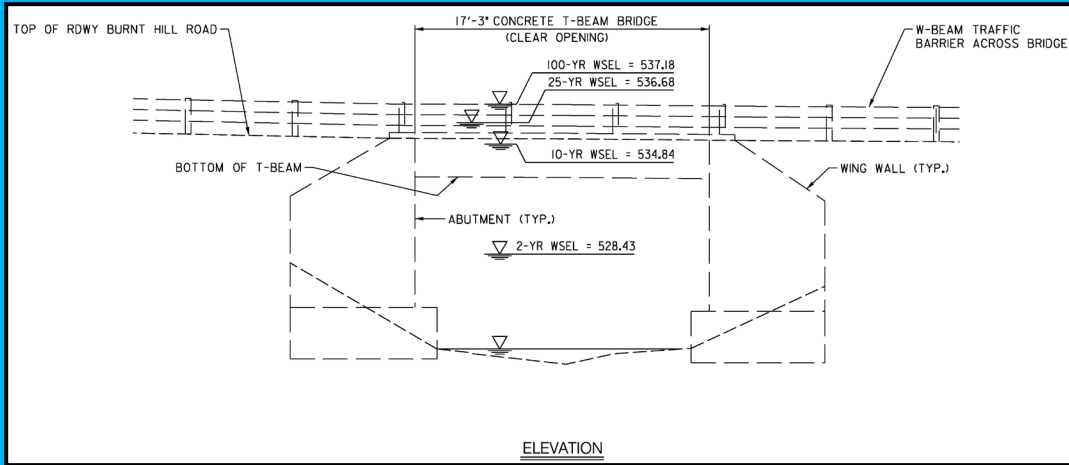
- 6 Prestressed Concrete Solid Slab Panels
- 5" Min. Concrete Overlay
- W-Beam Bridge Railing, Color Brown/Galvanized





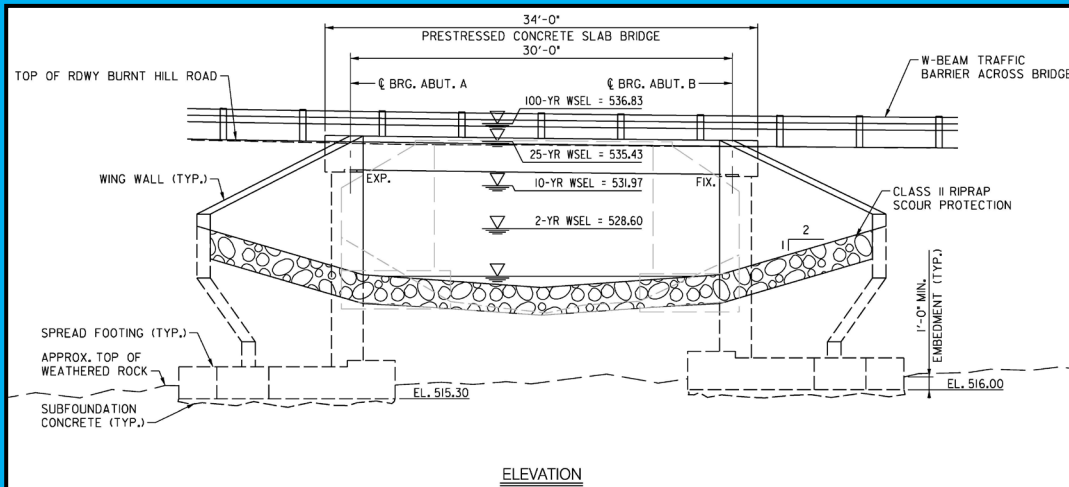
Proposed Burnt Hill Road Bridge

Bridge Elevation



Existing Bridge

- Clear Width = 18'-1"
- Approach Roadway = 18'-0"
- Opening under Bridge = 17'-3"

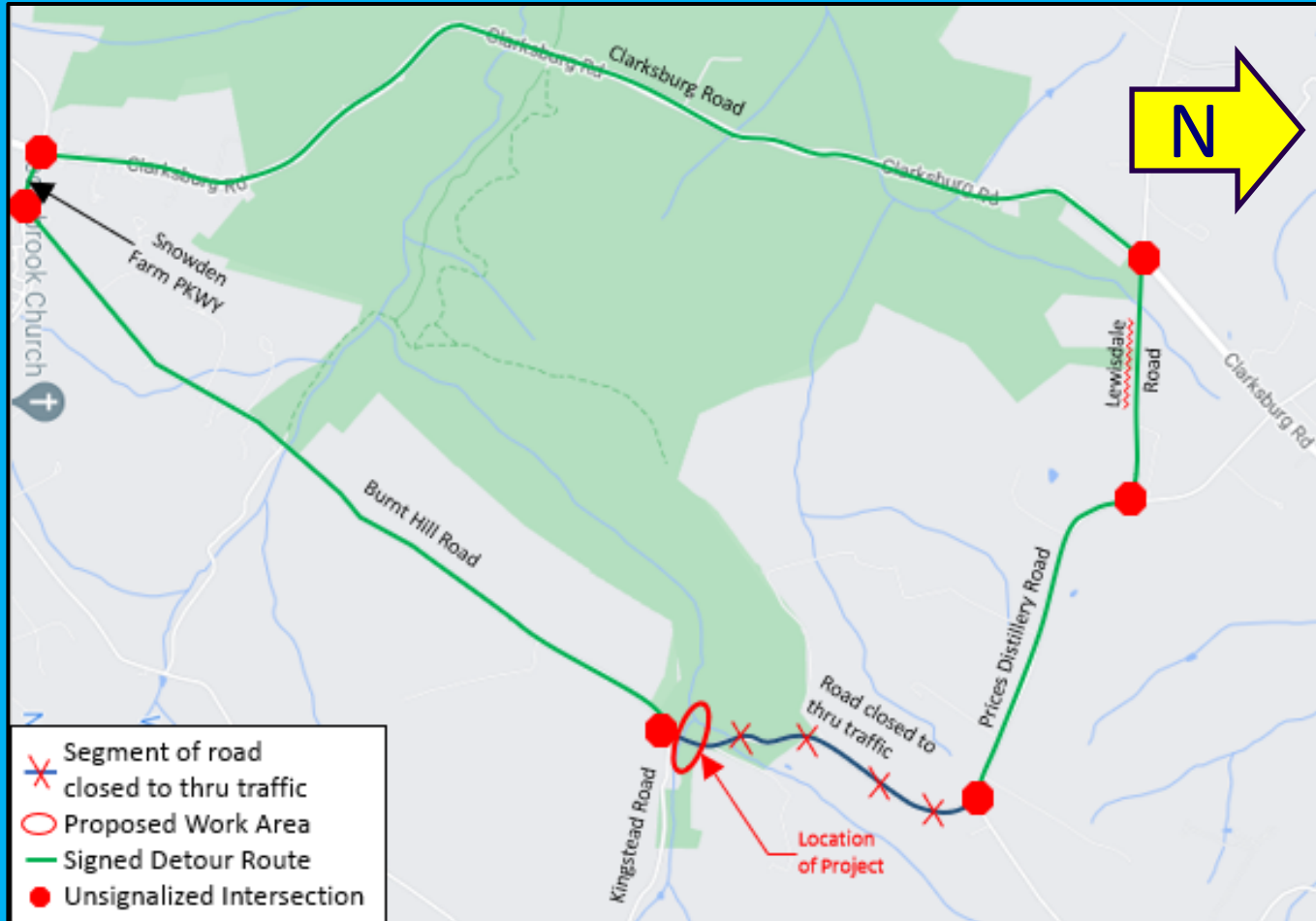


Proposed Bridge

- Clear Width = 20'-0"
- Approach Roadway = varies from 18'-0" to 20'-0"
- Opening under Bridge = 28'-0"
- Concrete Abutments and Wing Walls
- Riprap Scour Protection



Maintenance of Traffic during Construction



- Vehicular Traffic Detour Route (5.6 miles) approx. 8 Minutes
- Burnt Hill Road-Snowden Farms Parkway - Clarksburg Road- Lewisdale Road- Prices Distillery Road



Current Project Cost Estimate, Funding, and Schedule

- **Project Status**
 - Preliminary Design Stage (30%)

- **Project Funding**
 - Montgomery County

- **Project Cost Estimates**
 - \$600,000 Engineering Cost (Funded)
 - \$3.0M Construction and Construction Management (Not Funded)

- **Project Schedule**
 - Design Complete Summer 2025
 - Begin Construction Spring 2026
 - End Construction Fall 2026



Next Step and Community Input

Proceed with Final Design based on:

- **Comments from Permitting Agencies**
 - **Maryland – National Capital Park and Planning Commission**
 - **Montgomery County Department of Permitting Services**
 - **Montgomery County Department of Transportation**

- **Feedback from the community thru Wednesday February 28, 2024 by:**
 - **Tonight's Feedback**
 - **Online comments form:**
<https://forms.office.com/pages/responsepage.aspx?id=-bEBbuWxc0Csl3eAaaCtZLPFvHo8Lq1DoHSGxMGwscdUQ1BWUDIPWEJIRTVQNk1BMDU0R1JJRVJNNS4u>
 - **Email to hserrano@mercadoeng.com**



Next Step and Community Input (cont'd)

- **For Project Information**
 - Contact MCDOT's project manager
 - Holger Serrano
 - Phone 240-876-2285
 - Email hserrano@mercadoeng.com

- **Access MCDOT's project webpage:**
 - <https://montgomerycountymd.gov/dot-dte/projects/BurntHillRdBridge/index.html>



QUESTIONS?

**Thank
You!**

