

STATE PROJECT NO. 0172-0529

Replacement and Removal of Retaining Walls in Eastern Connecticut

Virtual Public Information Meeting

Live Event: Wednesday, May 27, 6:30 p.m.

Join us for a Question and Answer session following the formal presentation and send us a question or a comment during the session.

PROJECT EMAIL: DOTProject0172-0529@ct.gov

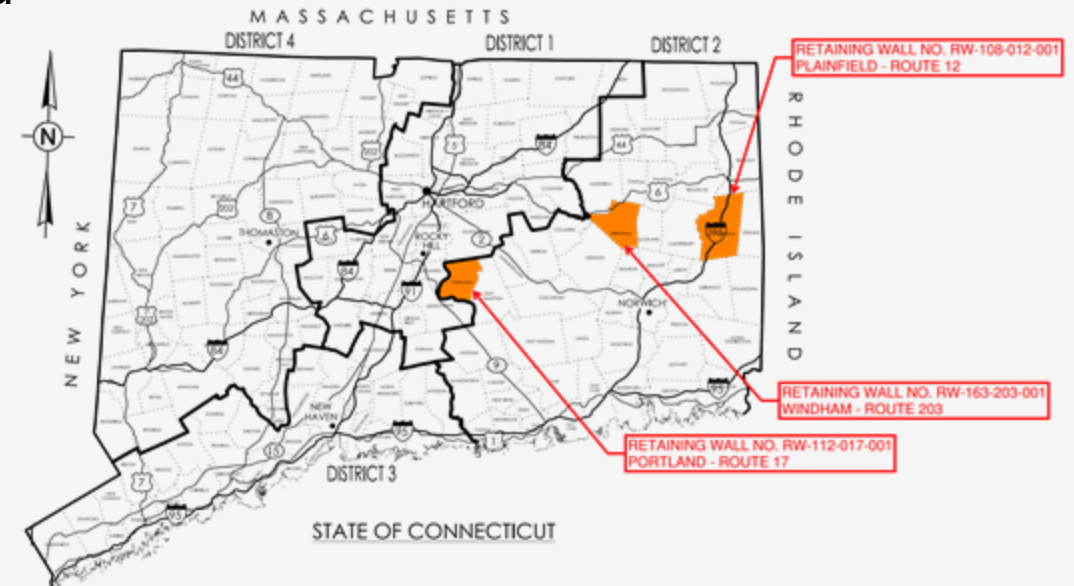
PHONE: (860) 594-2020 (voicemail only)

PROJECT WEBPAGE:

<https://portal.ct.gov/DOTProject0172-0529>

A recording of this presentation will be posted after the live event.

La grabación de esta presentación estará disponible después del evento en YouTube, incluyendo subtítulos y acceso a traducciones en otros idiomas



STATE PROJECT NO. 0172-0529

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Meeting Overview

- Housekeeping – Project Team and meeting interaction
- Formal Presentation of Design – Plainfield, Portland & Windham
 - Explain existing conditions
 - Define Purpose and Need
 - Proposed Retaining Wall and Roadway improvements
- Live Question and Answer (Q&A) Session will be held after each wall presentation and at the end



Title VI – Your Civil Rights

No person shall, on the basis of race, color, or national origin, be excluded from participation or subject to discrimination in the development of this project.

- Voluntary Post-Meeting Survey:
 - <https://portal.ct.gov/ctdotsurvey>
- Title VI Information:
 - <https://portal.ct.gov/dot/opportunity-and-business-development/title-vi>



A recording of this presentation will be posted to CTDOT's YouTube channel after the event.

Closed captioning—including non-English translation options—are available on Zoom and YouTube.





Connecticut Department of Transportation

Title VI Notice to the Public

Individuals and organizations may file a complaint by completing the Title VI complaint form (<https://portal.ct.gov/dot/equity/title-vi>). Complaints should be signed and include contact information and should be sent to: Office of Civil Rights Federal Railroad Administration 1200 New Jersey Avenue, SE ROA-10, Mail Stop 5 Washington, DC 20590

The Connecticut Department of Transportation (CTDOT) operates its programs and services without regard to race, color, and national origin in accordance with Title VI of the Civil Rights Act. Any person who believes she or he has been aggrieved by any unlawful discriminatory practice under Title VI may file a complaint with the CTDOT.

For more information on the CTDOT's civil rights program, and the procedures to file a complaint, contact the CTDOT Title VI Coordinator at (860) 594-2169, TRS 711; Debra.Goss@ct.gov; or visit our administrative office at 2800 Berlin Turnpike, Newington, CT 06131. For more information, visit www.ct.gov/dot.

A complainant may file a complaint directly with the Federal Transit Administration by filing a complaint with the FTA Office of Civil Rights, Attention: Title VI Program Coordinator, East Building, 5th Floor-TCR, 1200 New Jersey Ave., SE, Washington, DC 20590

A complainant may file a complaint directly with the Federal Highway Administration by filing a complaint with the FHWA Office of Civil Rights, Attention: Title VI Program Coordinator, 8th Floor E81-105, 1200 New Jersey Ave., SE, Washington, DC 20590

如需更多信息或免费语言协助，请致电 (860) 594-2109

Para información adicional, o asistencia lingüística gratuita, por favor llame al (860) 594-2109

Per informazioni aggiuntive o assistenza linguistica gratuita, chiamare il numero (860) 594-2109

Para obter mais informações, ou para auxílio gratuito em outro idioma, ligue para (860) 594-2109

Aby uzyskać dodatkowe informacje lub bezpłatną pomoc tłumacza, proszę dzwonić pod numer (860) 594-2109

Для получения подробной информации или бесплатных услуг перевода звоните по телефону (860) 594-2109

Pou jwenn plis enfòmasyon, oswa asistans ak lang gratis, ranpri rele (860) 594-2109

لمزيد من المعلومات أو للحصول على مساعدة لغوية مجانية، يرجى الاتصال بالرقم (860) 594-2109

Si vous souhaitez en savoir plus ou bénéficier d'une assistance linguistique gratuite, merci de composer le numéro suivant (860) 594-2109

अधिक जानकारी या निःशुल्क भाषा संबंधी सहायता के लिए कृपया (860) 594-2109 पर कॉल करें।

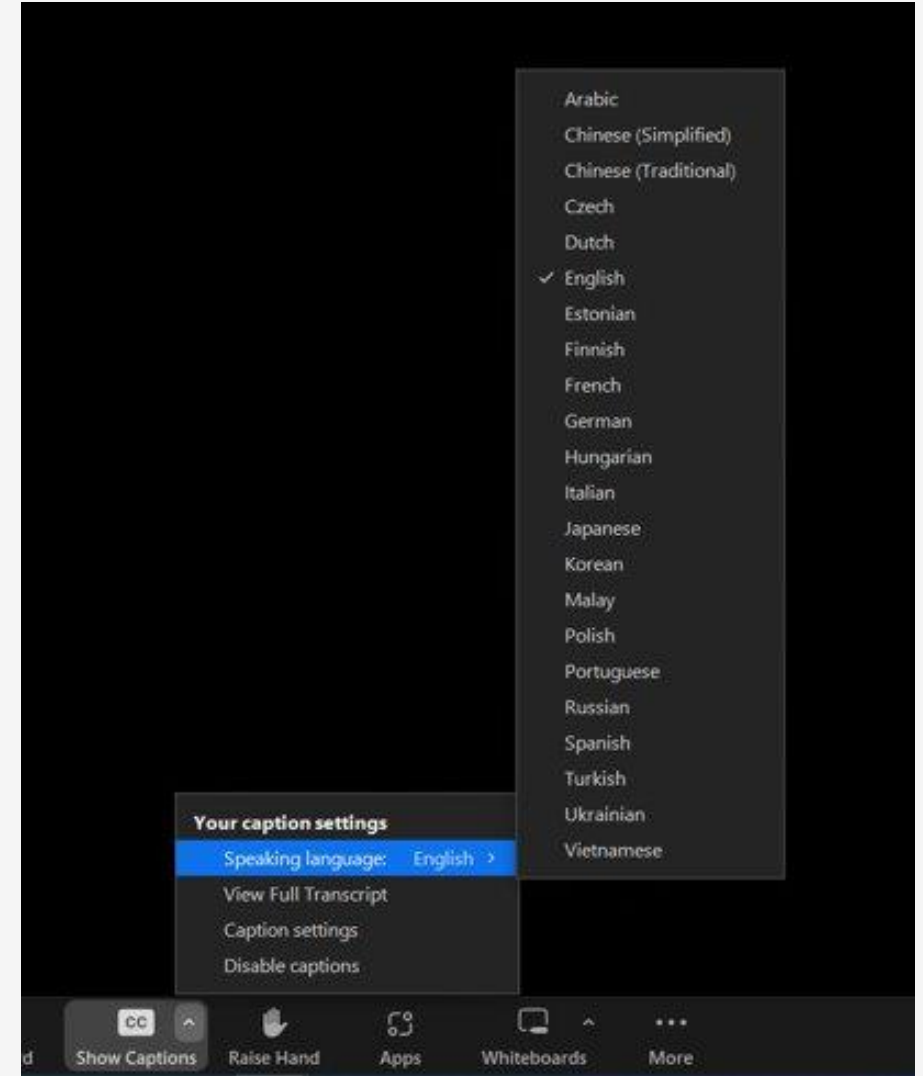
추가 정보가 필요하거나 무료 언어 지원이 필요하시면 (860) 594-2109로 전화하십시오

Để có thêm thông tin hoặc hỗ trợ ngôn ngữ miễn phí, vui lòng gọi (860) 594-2109

How to view captions & subtitles in Zoom

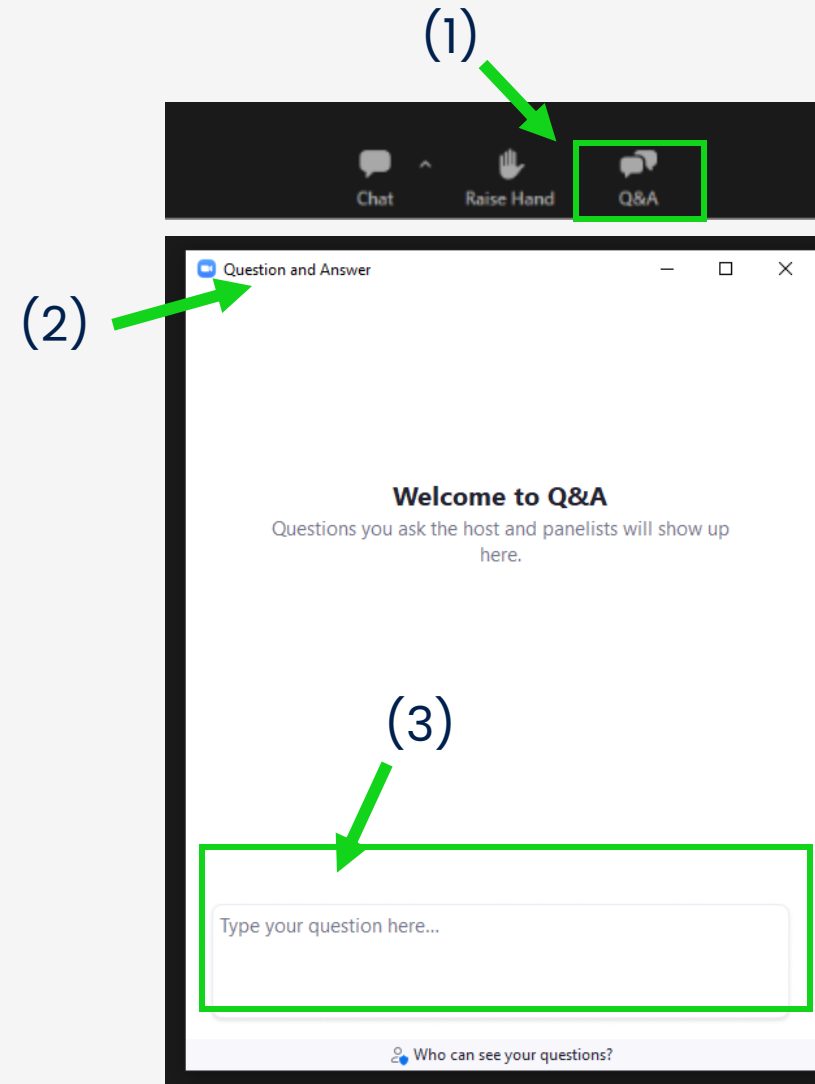
1. Click Show Captions (CC).
2. Click the Speaking Language.
3. Select the language you would like from the list shown.

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How to use Zoom Q&A

- (1) Select the Q&A tool at the bottom of the Zoom webinar window.
- (2) The Q&A window will open as seen on the right.
- (3) Please type question in the textbox and click enter.
- If you are an audio only participant, dial *9 to raise and lower your hand.



Question & Answer Session



By Email: DOTProject0172-0529@ct.gov



By Phone: (860) 594-2020 (voicemail)



On Zoom: Q&A

Questions will be posted to the Zoom chat

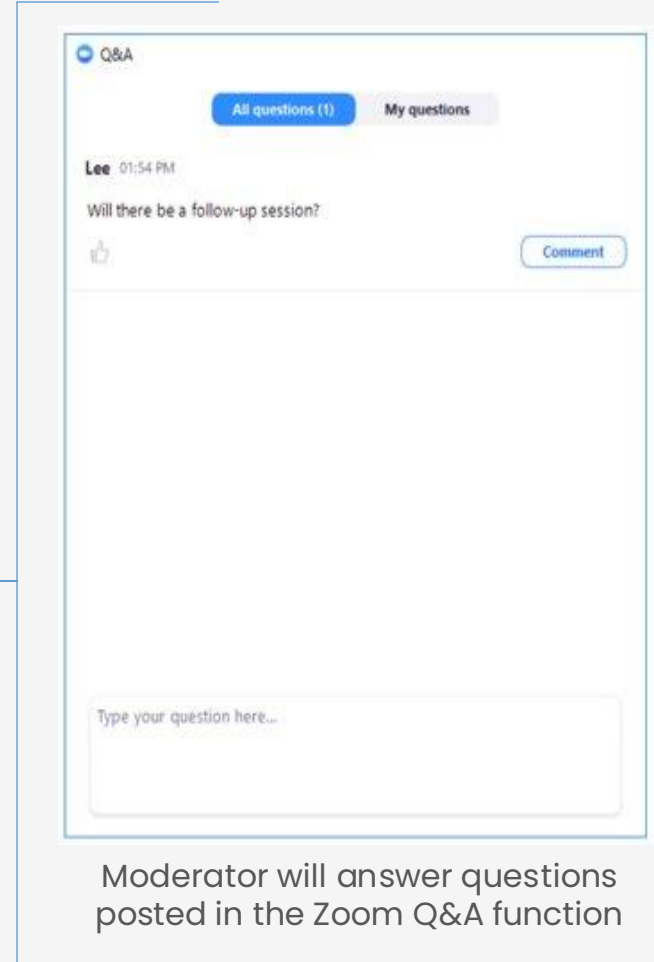


Project Webpage:

<https://portal.ct.gov/DOTProject0172-0529>

Note: Comment period is open through June 10, 2026

*Zoom Q&A is only available during live Q&A session



PROJECT TEAM – CTDOT



Gregory A. Funk, P.E.

Transportation Principal
Engineer

Consultant Bridge Design



Francisco Fadul, P.E.

Transportation
Supervising Engineer

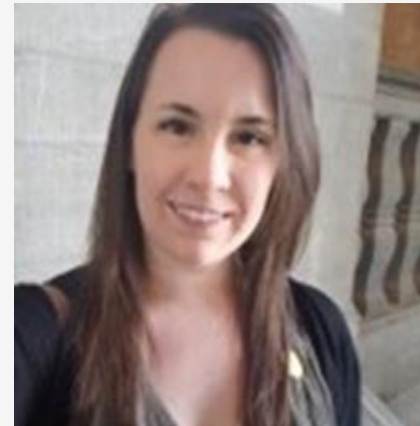
Consultant Bridge Design



Corey Burroughs, P.E.

Project Engineer

Consultant Bridge Design



Kathleen Ericson

Project ROW Coordinator

Division of Rights of Way



PROJECT TEAM – DESIGNER & CLE



**Brian Chamberlin,
P.E.**

Project Manager –
Bridges

Jacobs



Don Costello, P.E.

NE Structures Group
Leader

Jacobs



Tim Ryan, P.E.

Highway Lead

Jacobs



Donald Wurst, P.E.

CLE Program Manager

CHA Consulting



Robert Bahler, P.E.

CLE Project Manager

CHA Consulting



Karl Stanek, Jr.

CLE Project
Engineer

CHA Consulting



RIGHT-OF-WAY RELEVANT LAW

State of Connecticut

- C.G.S. Sections 13a-73 & 13a-98e

Federal

- Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended.



RIGHT-OF-WAY ACQUISITION PROCESS

Letter of Intent to Acquire

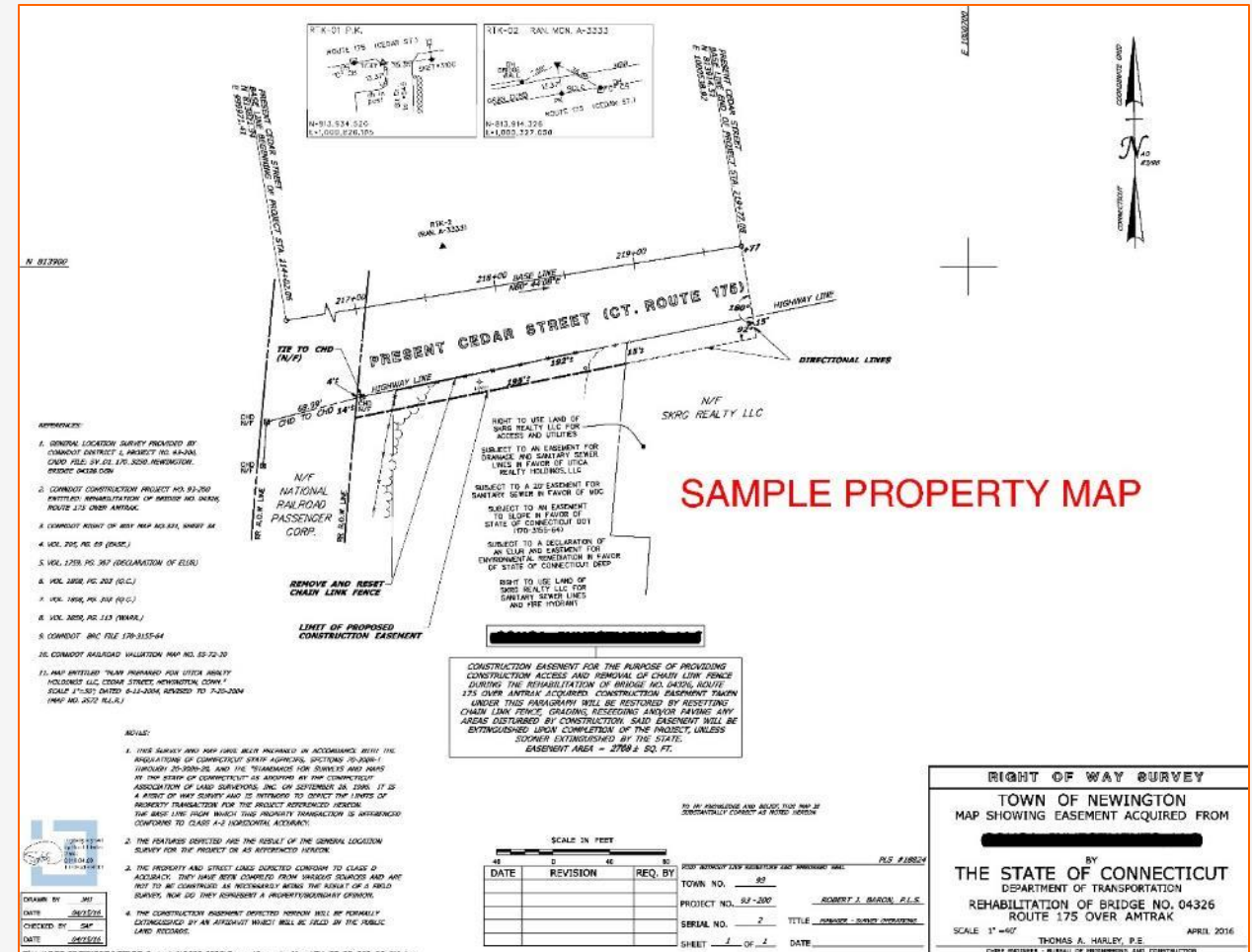
Valuation

Offer of Just Compensation

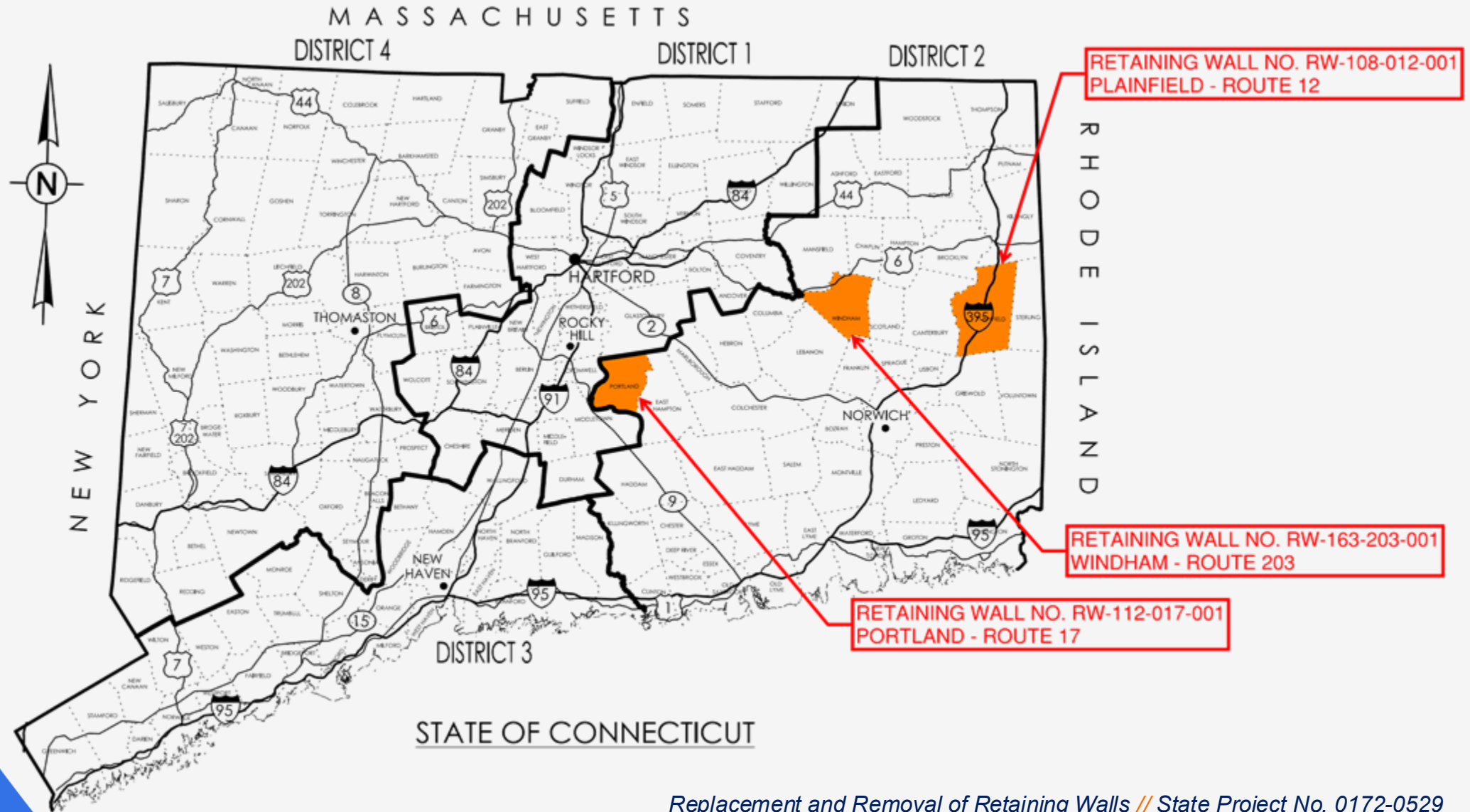
Negotiation

Acquisition

- Agreement
- Eminent Domain/Condemnation
- 6-month Appeal Period



TOWN LOCATION PLAN



PROJECT PURPOSE & NEEDS

Purpose:

Address the deficiencies of the retaining walls to accommodate safe travel for all facility users of the roadways.

Needs:

- Identify and repair, remove, or replace sections of the deteriorated walls.
- Maintain the stability of the retaining walls or slopes.
- Maintain functionality of all utilities throughout the sites.
- Maintain travel on roadways during and after construction.



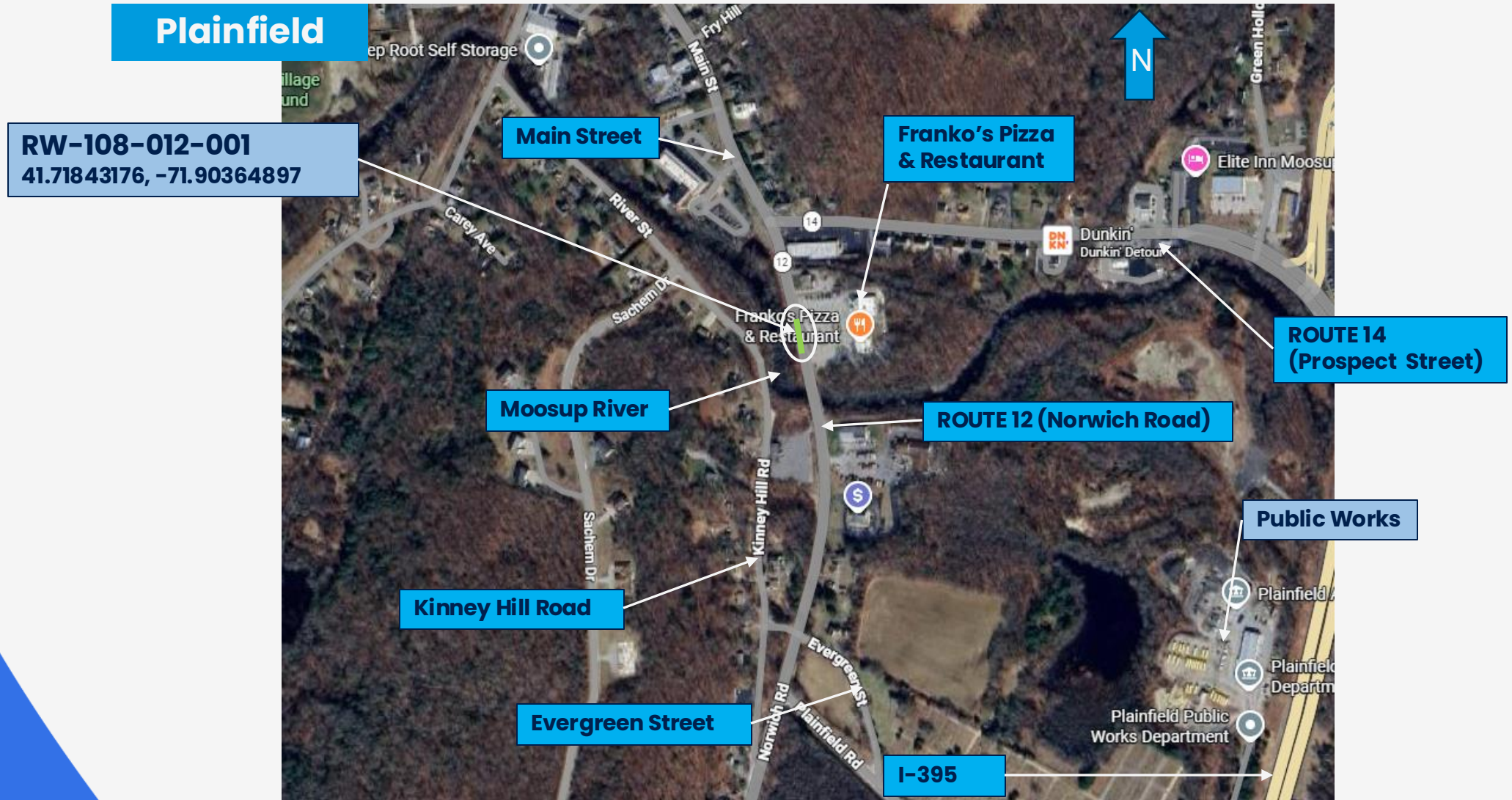
PROJECT SCHEDULE & COSTS

- Design Completion and Construction Advertising – Summer/Fall 2027
- Begin Construction – Spring 2028
- End Construction – Fall 2028
- Approx. Construction Cost – \$4.0 Million (All three walls)
 - 100% State Funds
- Work will be done at zero cost to the Towns

** Project construction cost and schedule are preliminary and are subject to availability of State funds. Cost and Schedule may change as project continues through the Design Phase.



PROJECT LOCATION - PLAINFIELD | RW-108-012-001



EXISTING CONDITIONS – PLAINFIELD | RW-108-012-001

RW-108-012-001

- Dry Masonry Wall
- Year Built – Unknown
 - 150 feet long +/-
 - 8 feet tall (average)
- Supports Route 12 along the Moosup River
- Wall ends flare from edge of roadway

ROADWAY- ROUTE 12 (Norwich Road)

- Two lane roadway traveling North-South
- Classification: Minor Urban Arterial Roadway
- ADT: 6,200 vpd (2022)
- Posted Speed: 30 mph
 - (40 mph posted SB, south of existing wall)



EXISTING CONDITIONS – PLAINFIELD | RW-108-012-001

Condition Definitions:

0 = Poor 1 = Fair 2 = Good

Condition Ratings:

Stability = 0 | Backfill/Settlement = 2 | Structural = 1
Total Rating = 3

Condition Notes:

- Two areas of wall face which bulge approximately 6" outward, located 30 to 40 feet from the north end of the wall.
- According to current Department guidelines, these bulges result in a 0 Stability rating.



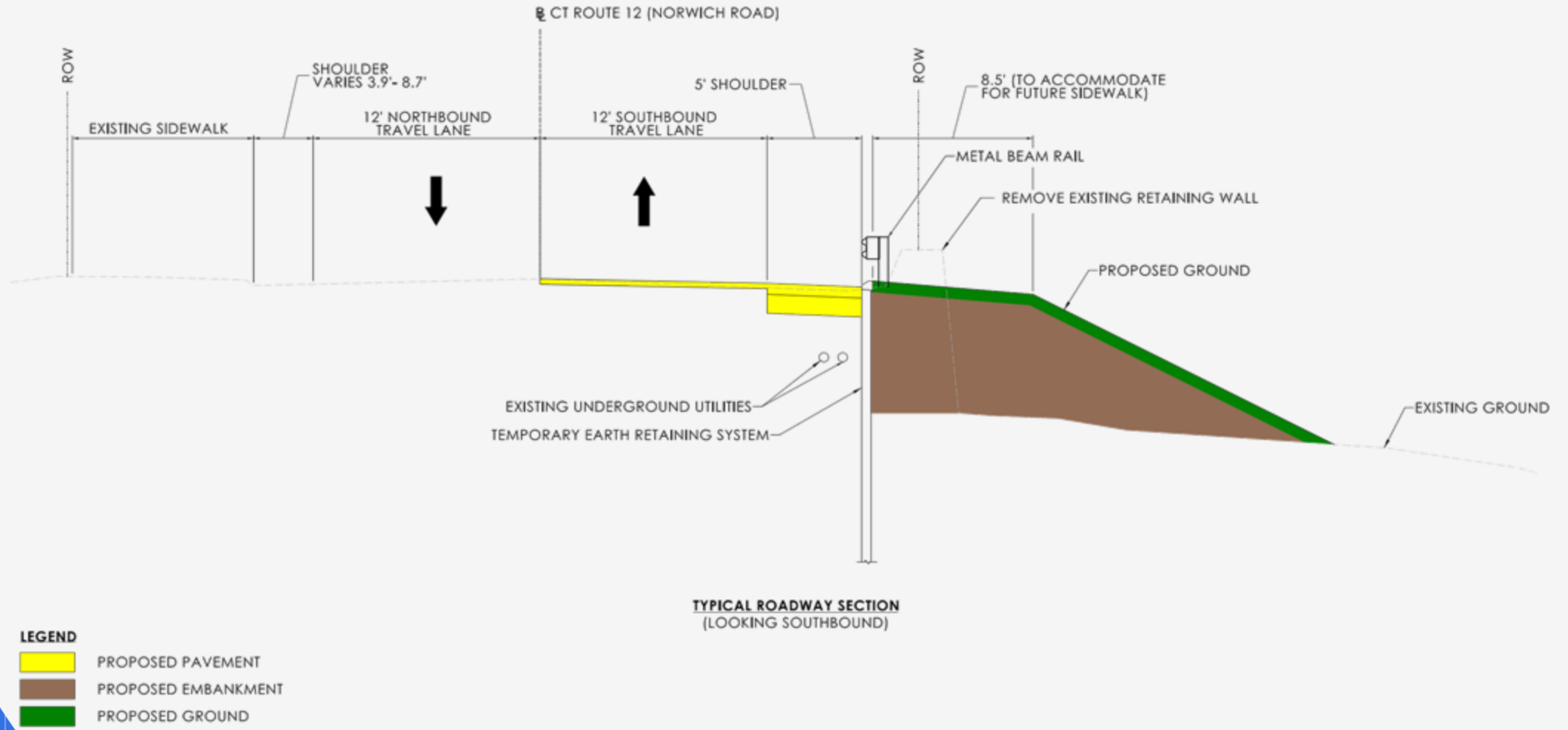
PROPOSED SCOPE – PLAINFIELD | RW-108-012-001

Remove Wall and Grade Slope

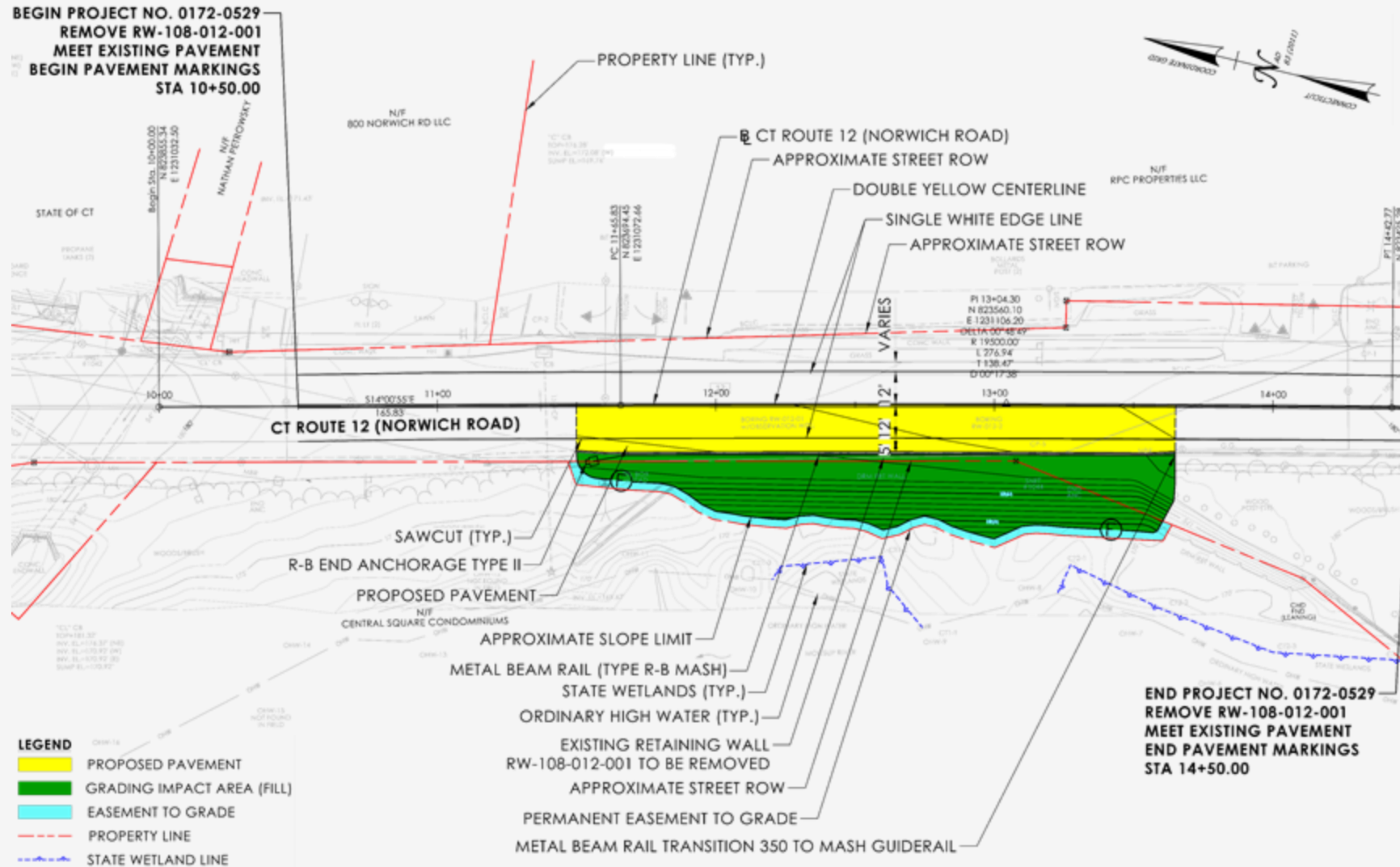
- Meets the purpose of this project and addresses the deficiencies of Retaining Wall RW-108-012-001
- Significant difference in cost to other alternatives
- Meets all project needs as well as the following project goals:
 - Minimize future maintenance by removing the retaining wall
 - Minimize permanent impacts to regulated areas



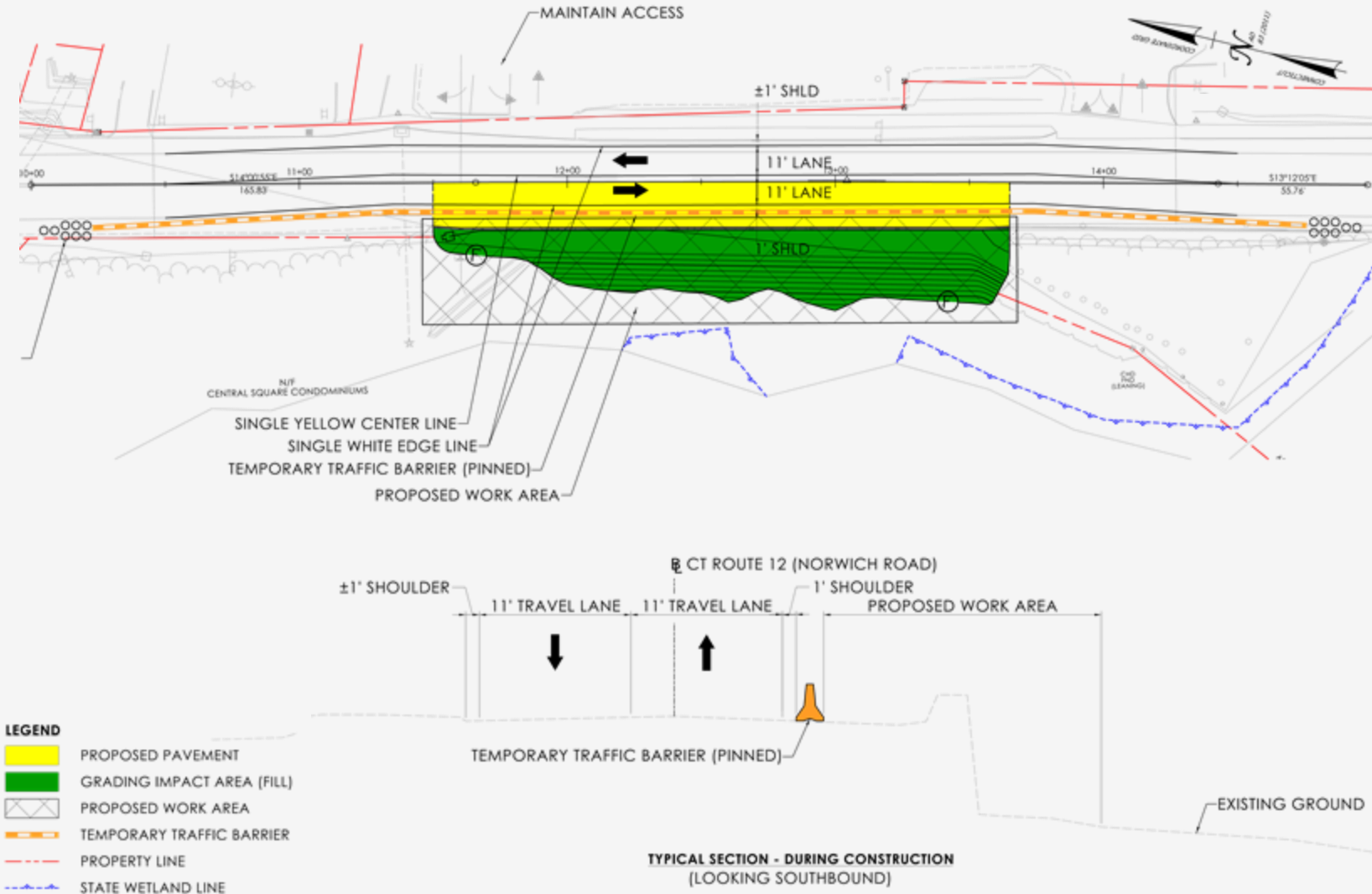
PROPOSED SECTION - PLAINFIELD | RW-108-012-001



PROPOSED PLAN - PLAINFIELD | RW-108-012-001



PROPOSED TRAFFIC - PLAINFIELD | RW-108-012-001



PROJECT IMPACTS – PLAINFIELD | RW-108-012-001

Environmental:

- Anticipate environmental impacts due to the project being located in a FEMA flood zone

ROW:

- Temporary construction easement to access downgradient side of slope
- Permanent easement to grade

Utility:

- Two utility poles anticipated to be relocated
- No anticipated impacts to the underground utility lines

Drainage:

- Anticipate drainage impacts due to the installation of curbing along the Southbound shoulder, as well as an increase in impervious area caused by the widening of the roadway



Question & Answer Session



By Email: DOTProject0172-0529@ct.gov



By Phone: (860) 594-2020 (voicemail)



On Zoom: Q&A

Questions will be posted to the Zoom chat

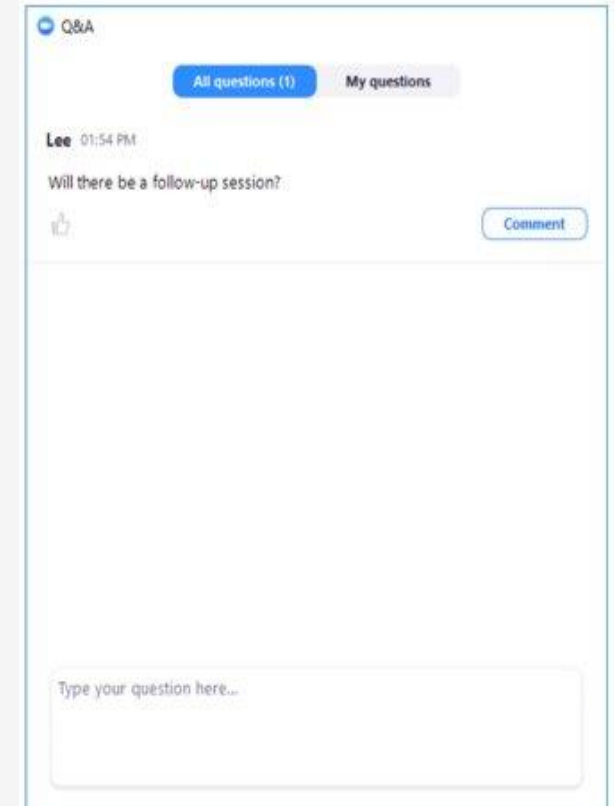


Project Webpage:

<https://portal.ct.gov/DOTProject0172-0529>

Note: Comment period is open through June 10, 2026

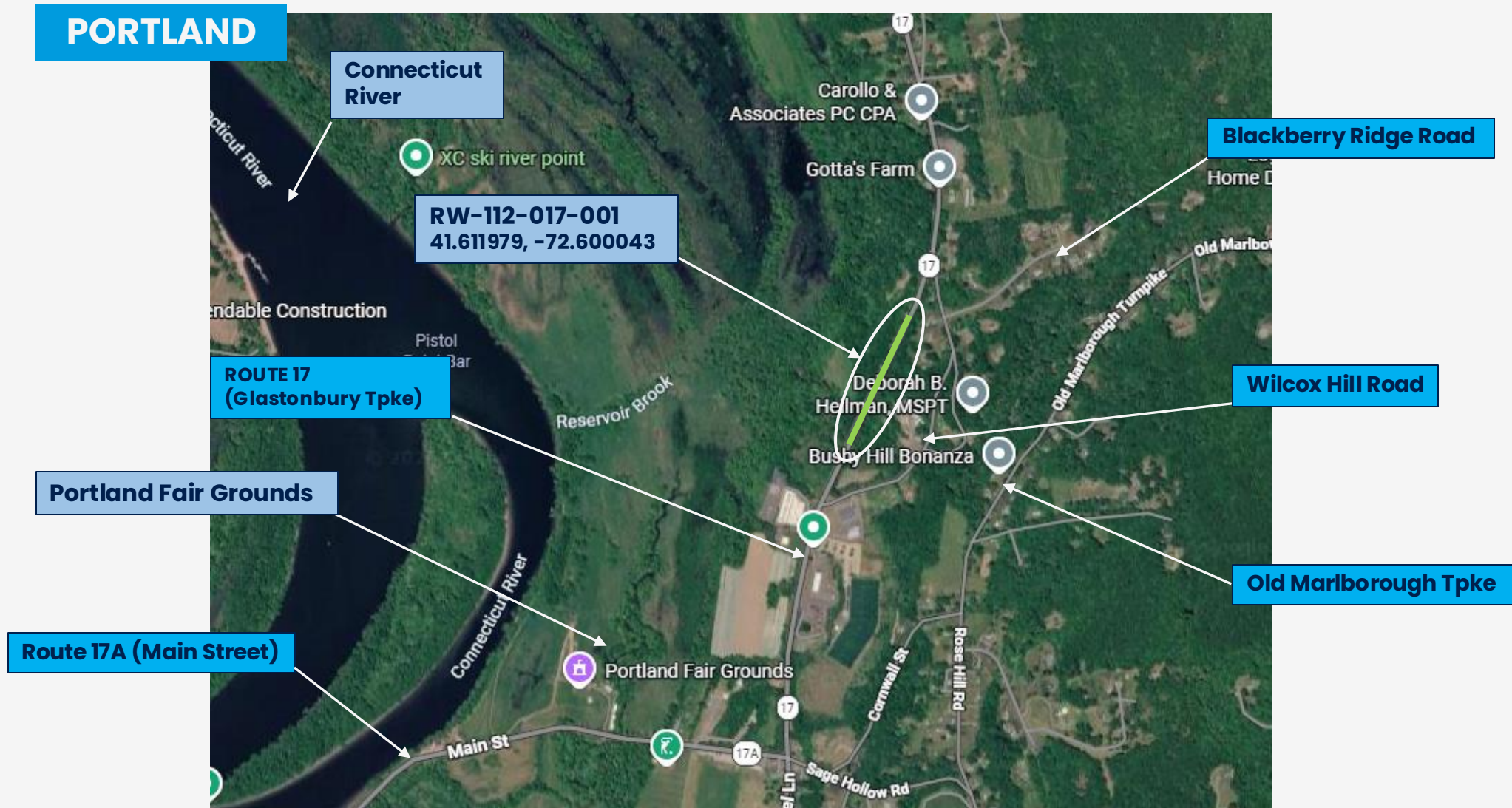
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Moderator will answer questions posted in the Zoom Q&A function



PROJECT LOCATION - PORTLAND | RW-112-017-001



EXISTING CONDITIONS – PORTLAND | RW-112-017-001

RW 112-017-001

- Concrete crib wall
 - Approximately 500 feet long
 - Average height of 5 feet
- Year Built – Unknown
- Supports a forested sloped embankment
- Wall is set back approximately 3 feet from roadway

ROADWAY- ROUTE 17 (Glastonbury Tpke.)

- Classification: Urban Principal Arterial
- ADT: 6,400 vpd (2021)
- Posted Speed: 35 mph



EXISTING CONDITIONS – PORTLAND | RW-112-017-001

Condition Definitions:

0 = Poor 1 = Fair 2 = Good

Condition Ratings:

Stability = 1 | Backfill/Settlement = 0 | Structural = 0

Total Rating = 1

Condition Notes:

- Concrete cribbing with several spalls with exposed rebar at the lower and mid-section of the wall.
- Some concrete lagging are rotated or displaced (upper section of wall). 50-foot long section of collapsed cribbing at south end.
 - Settlement and material washout was observed behind the wall; no settlement or distress was observed in front of the wall.
 - Due to distance from the face of the wall to edge of the travel lane, there is potential for a failed section of the wall or for the slope supported by the wall to reach the travel lane.



PROPOSED SCOPE – PORTLAND | RW-112-017-001

Replace Wall with Prefabricated Modular Wall

- Install a temporary earth retaining system (TERS)
- Remove existing concrete crib wall and excavate for proposed wall
- Relocate five utility poles
- Install prefabricated modular wall panels to retain the embankment
- Install underdrain and backfill behind the wall
- Install a swale at the toe of slope above the wall
- Install roadway drainage along the northbound side of the roadway
- Complete full-depth pavement reconstruction of the shoulder and expansion to 5 feet







PROPOSED RIGHT OF WAY

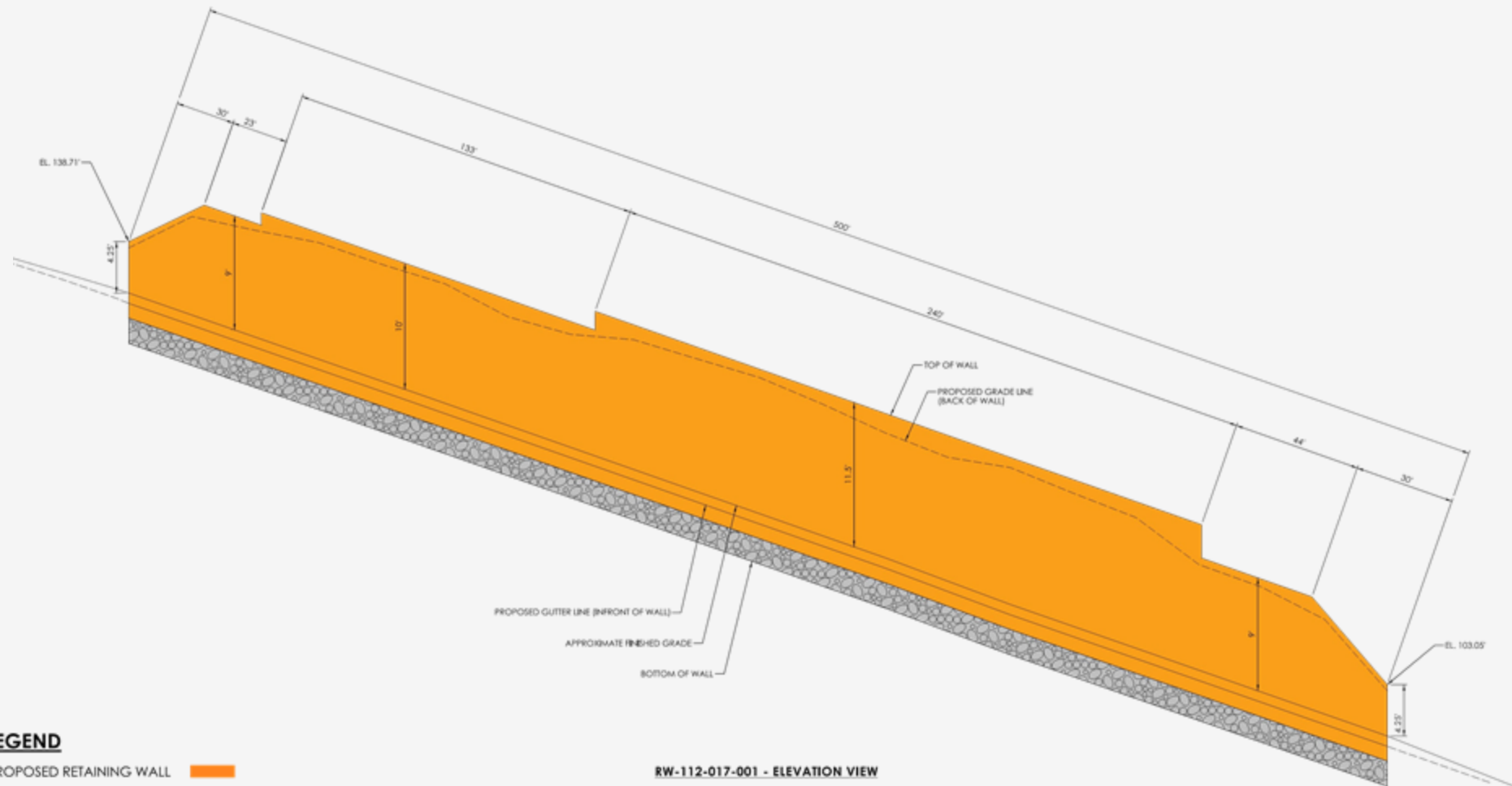


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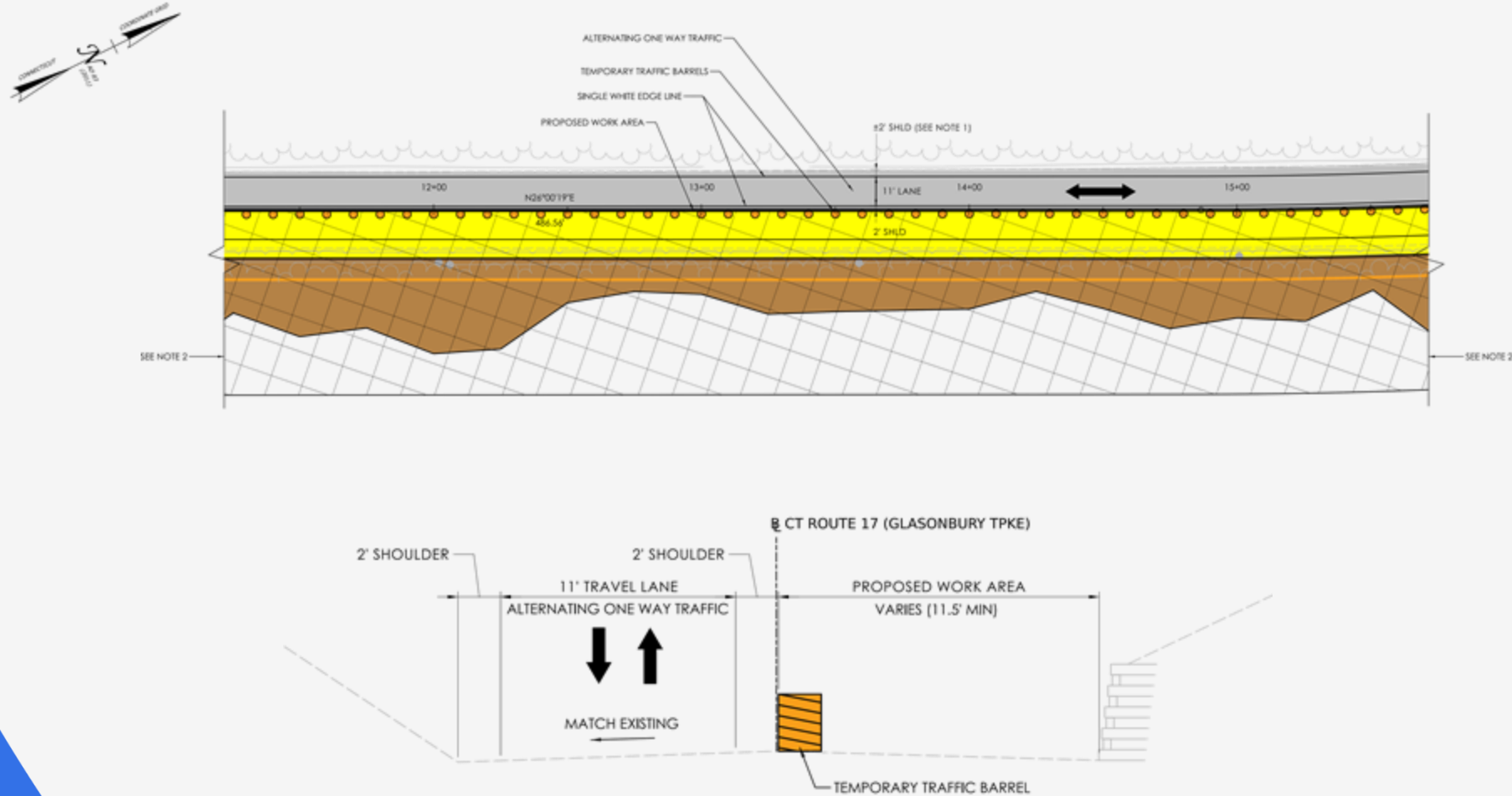


Replacement and Removal of Retaining Walls // State Project No. 0172-0529

PROPOSED ELEVATION – PORTLAND | RW-112-017-001



PROPOSED TRAFFIC - PORTLAND | RW-112-017-001



PROJECT IMPACTS – PORTLAND | RW-112-017-001

Environmental:

- Tree removal and clearing and grubbing required along slope

ROW:

- Easement to grade will be required

Utility:

- Five (5) utility poles need to be relocated

Drainage:

- Catch basins will be installed along the NB shoulder of the roadway
- Underdrain installed behind the wall
- A drainage swale will be constructed at the top of the wall to direct surface water to proposed drainage system



Question & Answer Session



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On Zoom: Q&A

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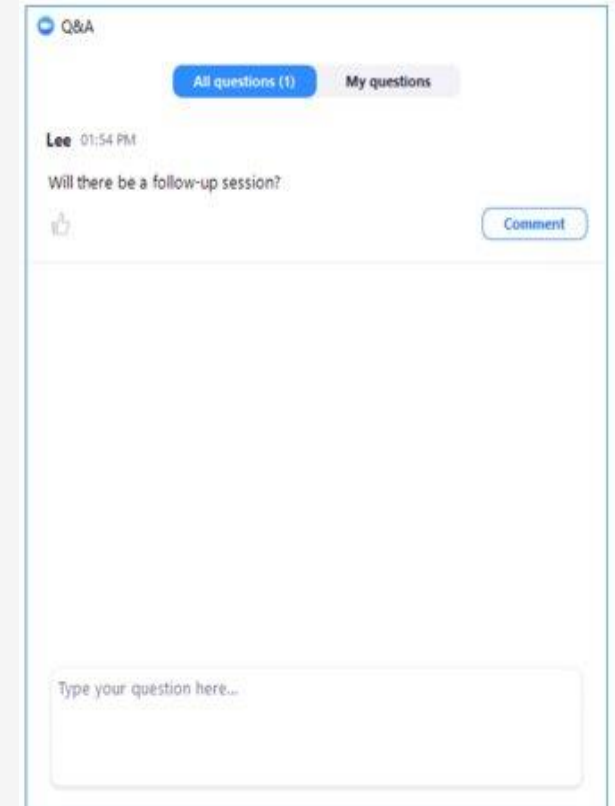


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PROJECT LOCATION - WINDHAM | RW-163-203-001



EXISTING CONDITIONS – WINDHAM | RW-163-203-001

RW 163-203-001

- Concrete crib wall:
 - Approximately 150' long
 - Average height of 5'
- Year of construction: Unknown
- Parallel to Route 203
 - Approximately 3 feet from northbound edge of pavement

ROADWAY- ROUTE 203 (Windham Center Road)

- Classification: Urban Major Collector
- ADT: 3,700 vpd (2022)
- Posted Speed: 35 mph



EXISTING CONDITIONS – WINDHAM | RW-163-203-001

Condition Definitions:

0 = Poor 1 = Fair 2 = Good

Condition Ratings:

Stability = 1 | Backfill/Settlement = 0 | Structural = 0

Total Rating = 1

Condition Notes:

- The backfill is in Poor condition
- Loss of backfill and erosion through sections of the crib wall
- Precast concrete crib elements have deteriorated with some failed locations with exposed rebar
- Guiderail Posts along the wall anchored in the backfill are leaning and displaced



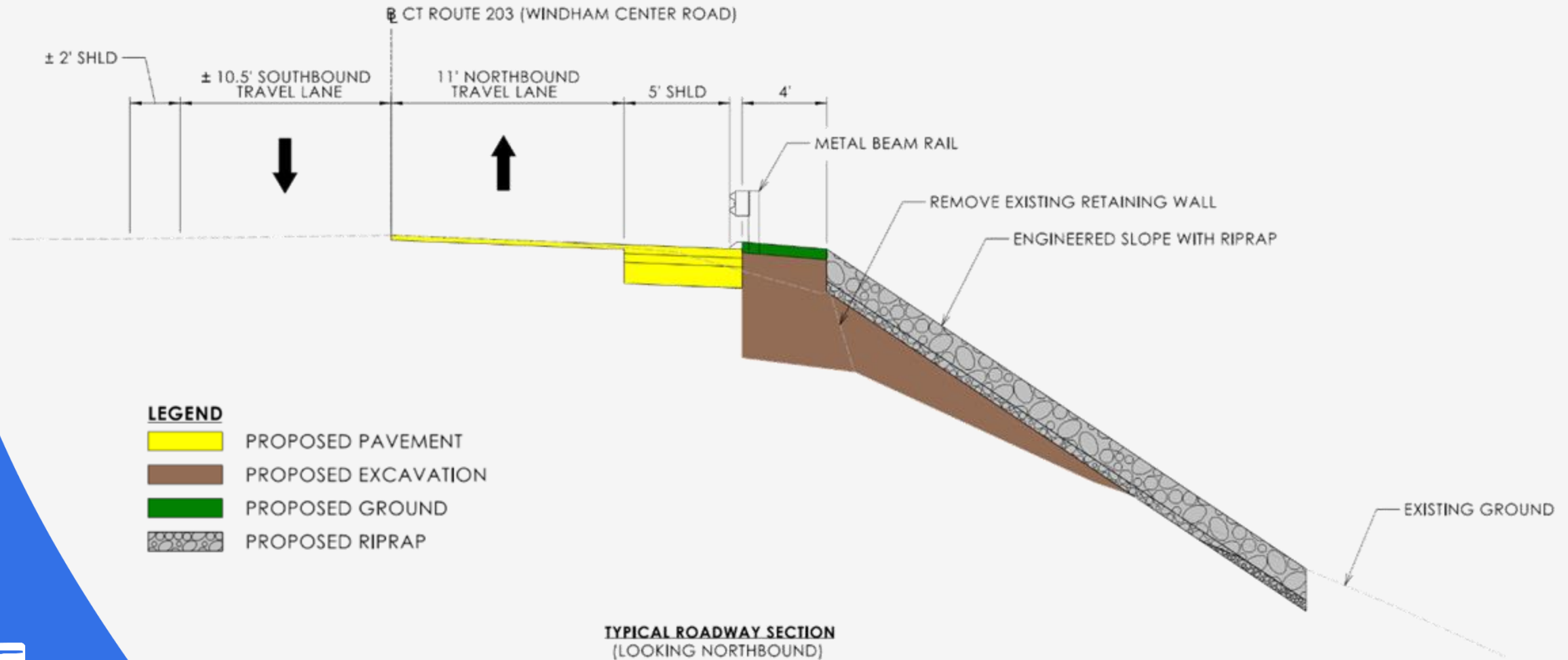
PROPOSED SCOPE – WINDHAM | RW-163-203-001

Remove Wall and Grade Slope

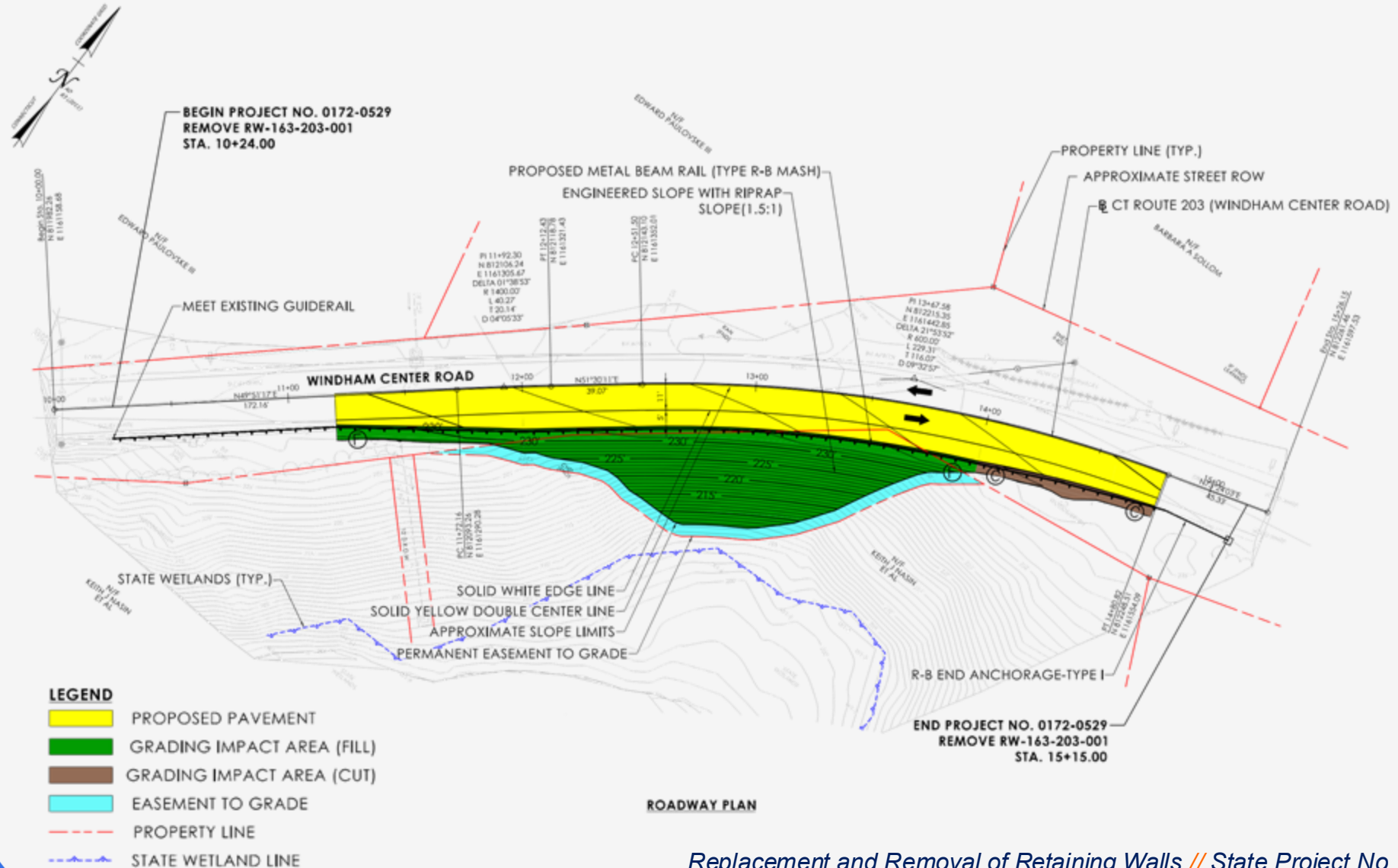
- Remove existing concrete crib wall
- Install riprap embankment slope at 1.5 Horizontal : 1 Vertical
- Widen northbound shoulder to 5 feet
- Install new guiderail
- Install catch basin on south end of project
- Mill and overlay northbound lane with new pavement



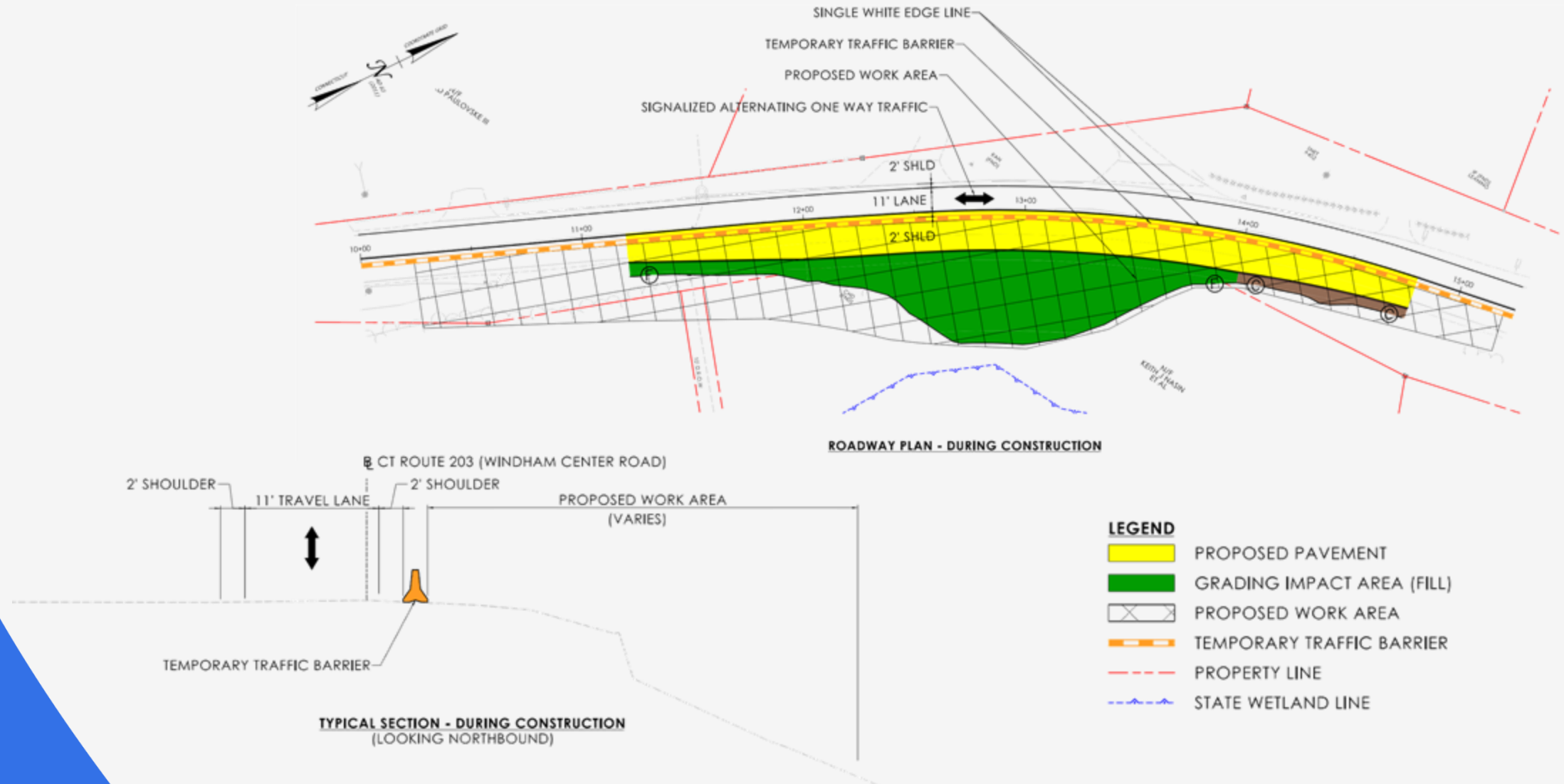
PROPOSED SECTION - WINDHAM | RW-163-203-001



PROPOSED PLAN - WINDHAM | RW-163-203-001



PROPOSED TRAFFIC - WINDHAM | RW-163-203-001



PROJECT IMPACTS – WINDHAM | RW-163-203-001

Environmental Impacts:

- Tree removal / clearing required along slope

ROW Impacts:

- Temporary Construction Easement
- Permanent Slope Easement
- Permanent Drainage Right-of-Way
- Permanent Take (Portion of the existing road is outside State ROW)

Utility Impacts:

- Temporary relocation of overhead utilities

Drainage Impacts:

- Installation of new catch basin



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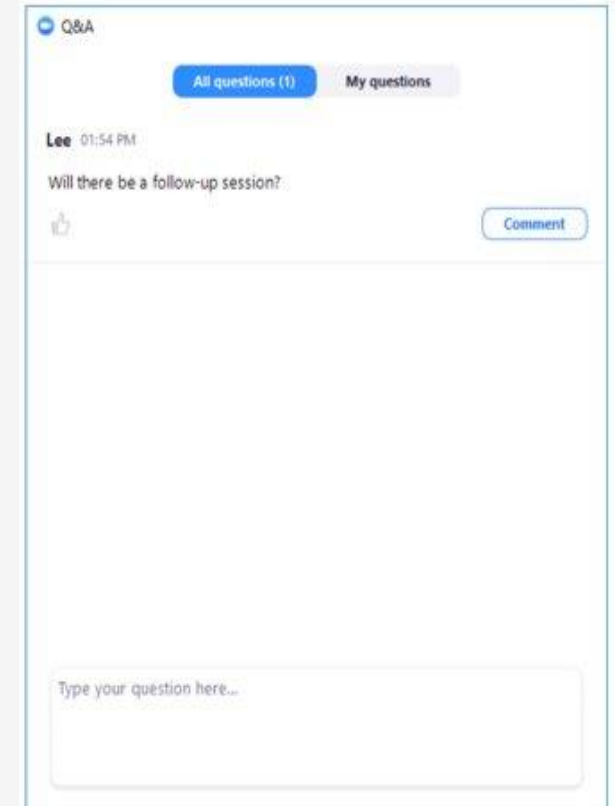


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THANK YOU!
