

Public Informational Meeting

State Project No. 169-128

Replacement of Bridge No. 02738

**Carrying Route 169 over Gravelly Brook
Woodstock, CT**

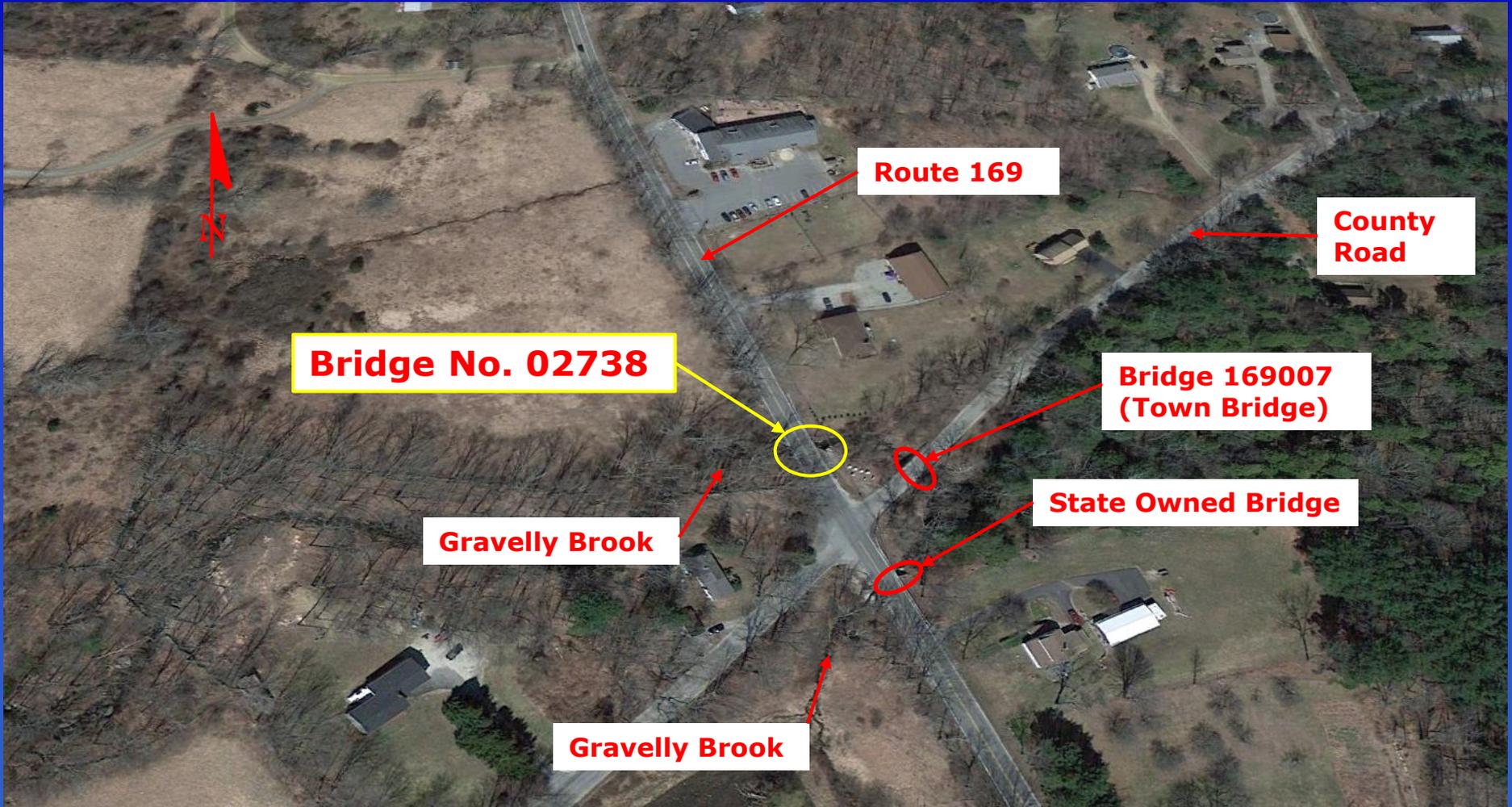


Project Manager – Kevin V. Blasi
Project Engineer – Ken-Taro Plude

Connecticut Department of Transportation



Location of Project



Existing Roadway



Route 169

Route 169 - North Bound

Connecticut Department of Transportation



Existing Roadway



Route 169

Route 169 – South Bound

Connecticut Department of Transportation



Existing Bridge Information

- **Original structure constructed in 1914**
- **Structure Type**
 - **Reinforced concrete slab founded on stone masonry abutments**
- **Dimensions**
 - **Length = 9 feet**
 - **Width = 23.5 feet (curb to curb) and 26 feet (out to out)**
- **Function**
 - **Carries Route 169 (Norwich Worcester Turnpike) over Gravelly Brook, with one lane of traffic in each direction**
 - **Estimated Average Daily Traffic (ADT, 2013) is 3400 Vehicles (3% trucks)**



Existing Structure



OUTLET VIEW / SOUTHEAST WINGWALL

Existing Structure



INLET VIEW / SOUTHWEST WINGWALL

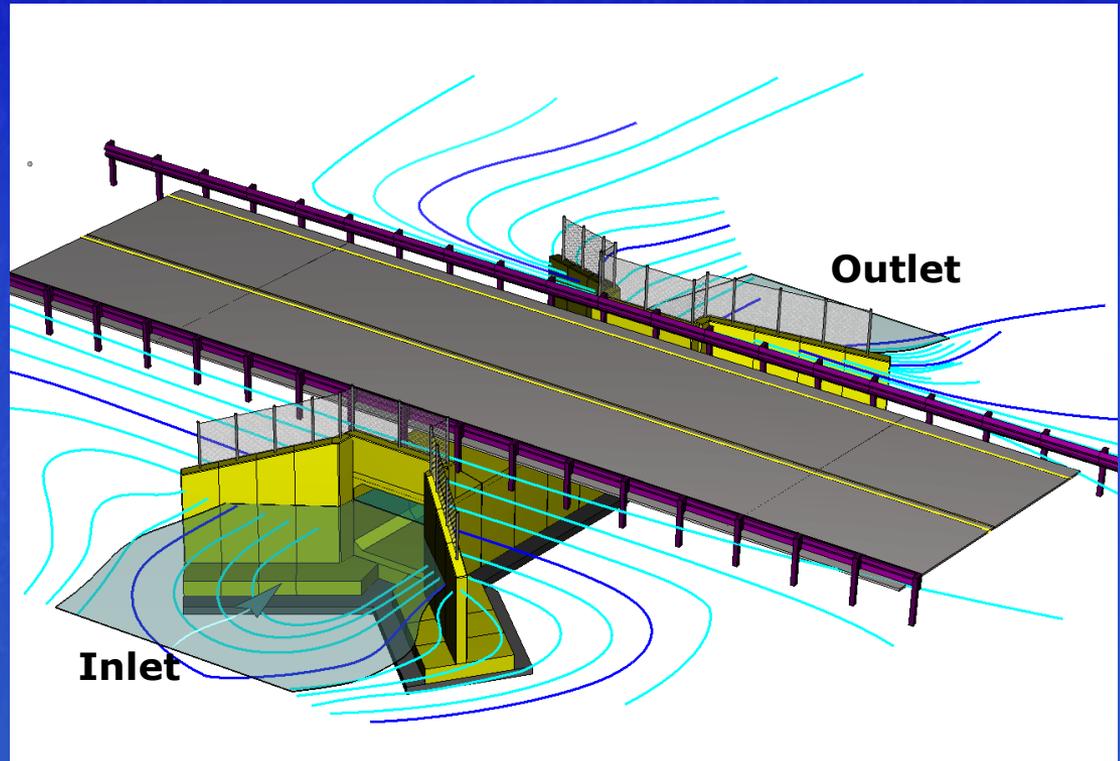
Existing Structure



BASE OF ABUTMENT #1 AT INLET END

Proposed Project Scope

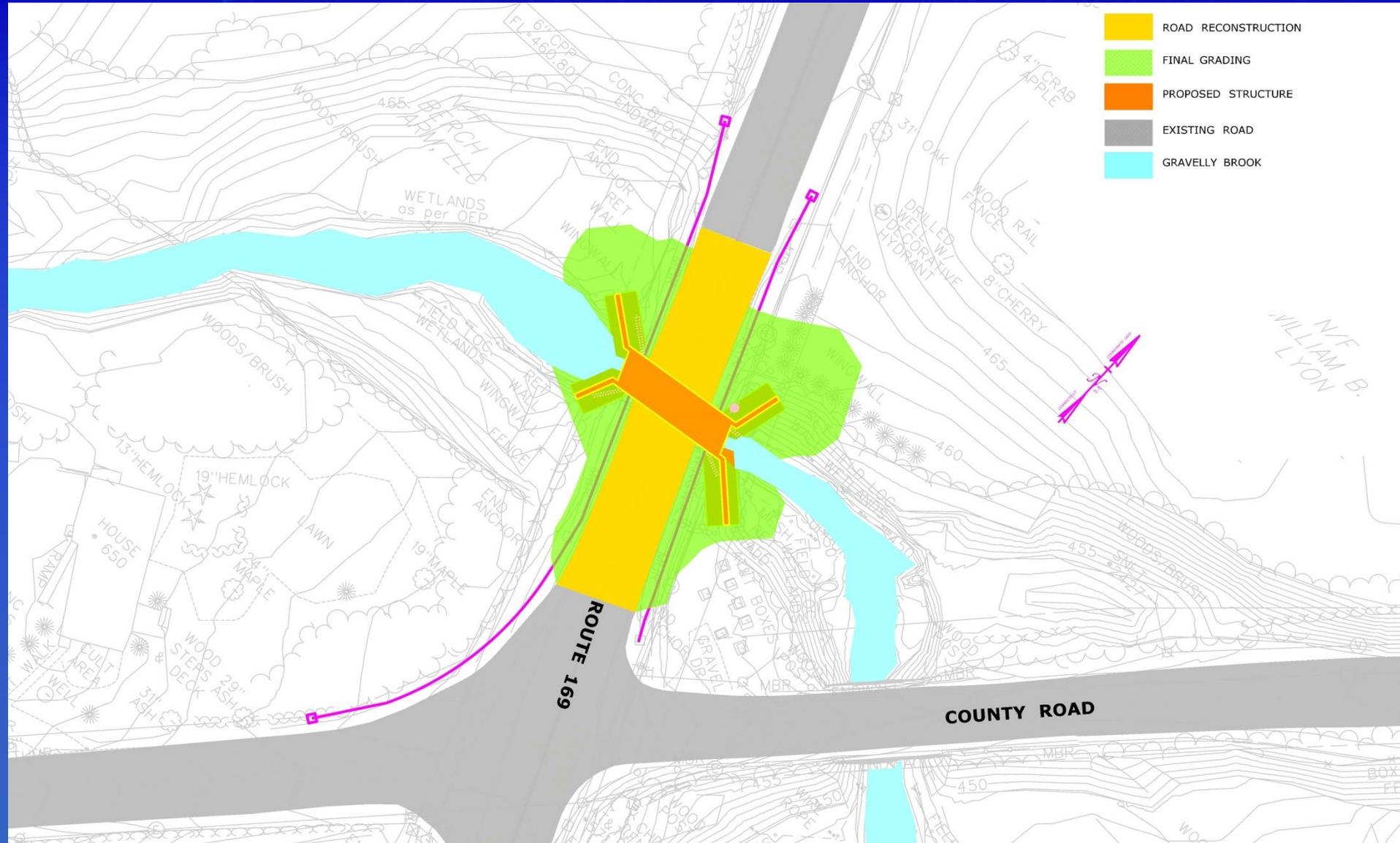
- Temporarily relocate utility lines
- Remove existing structure
- Install new 4-sided box culvert and wingwalls
- Install streambed material to facilitate fish passage
- Add protective fence
- Upgrade the metal beam rail



Proposed 4-sided Box Culvert

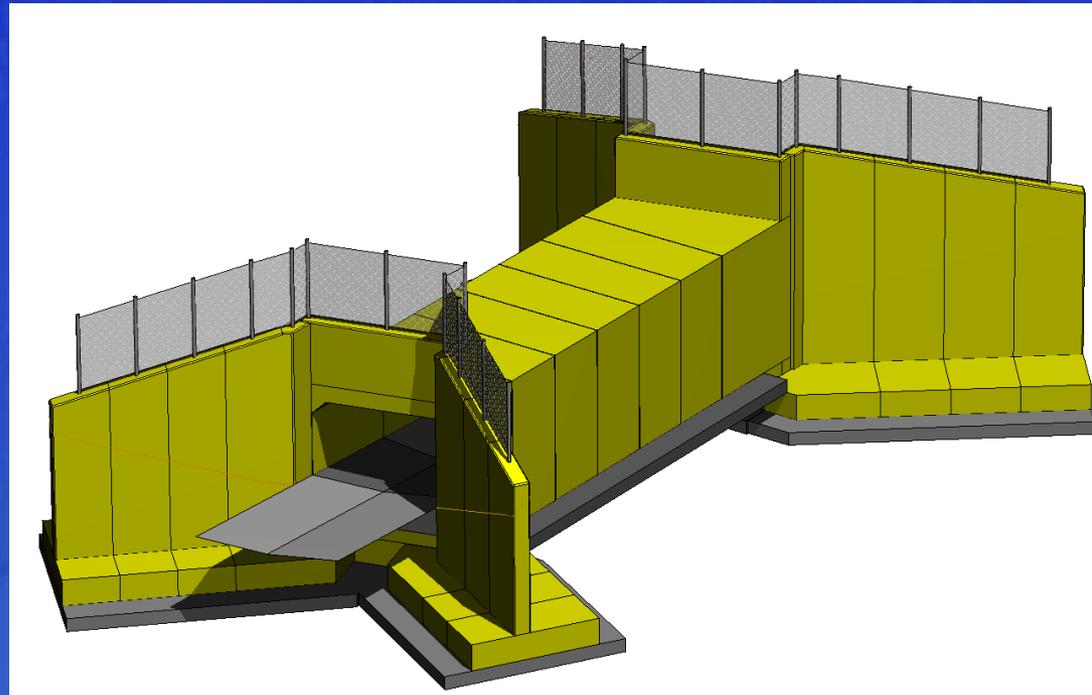


Project Limits

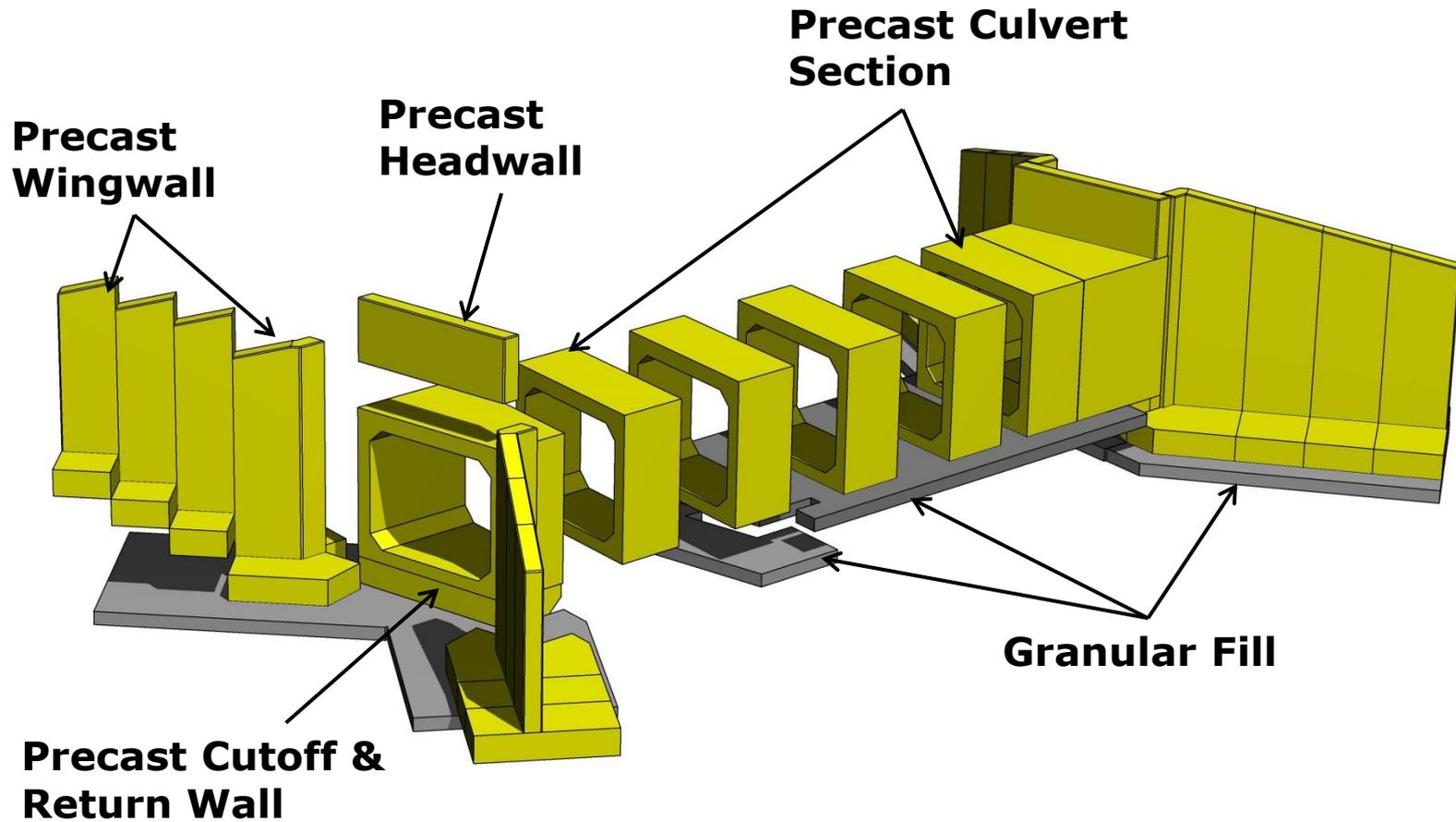


Proposed Bridge Information

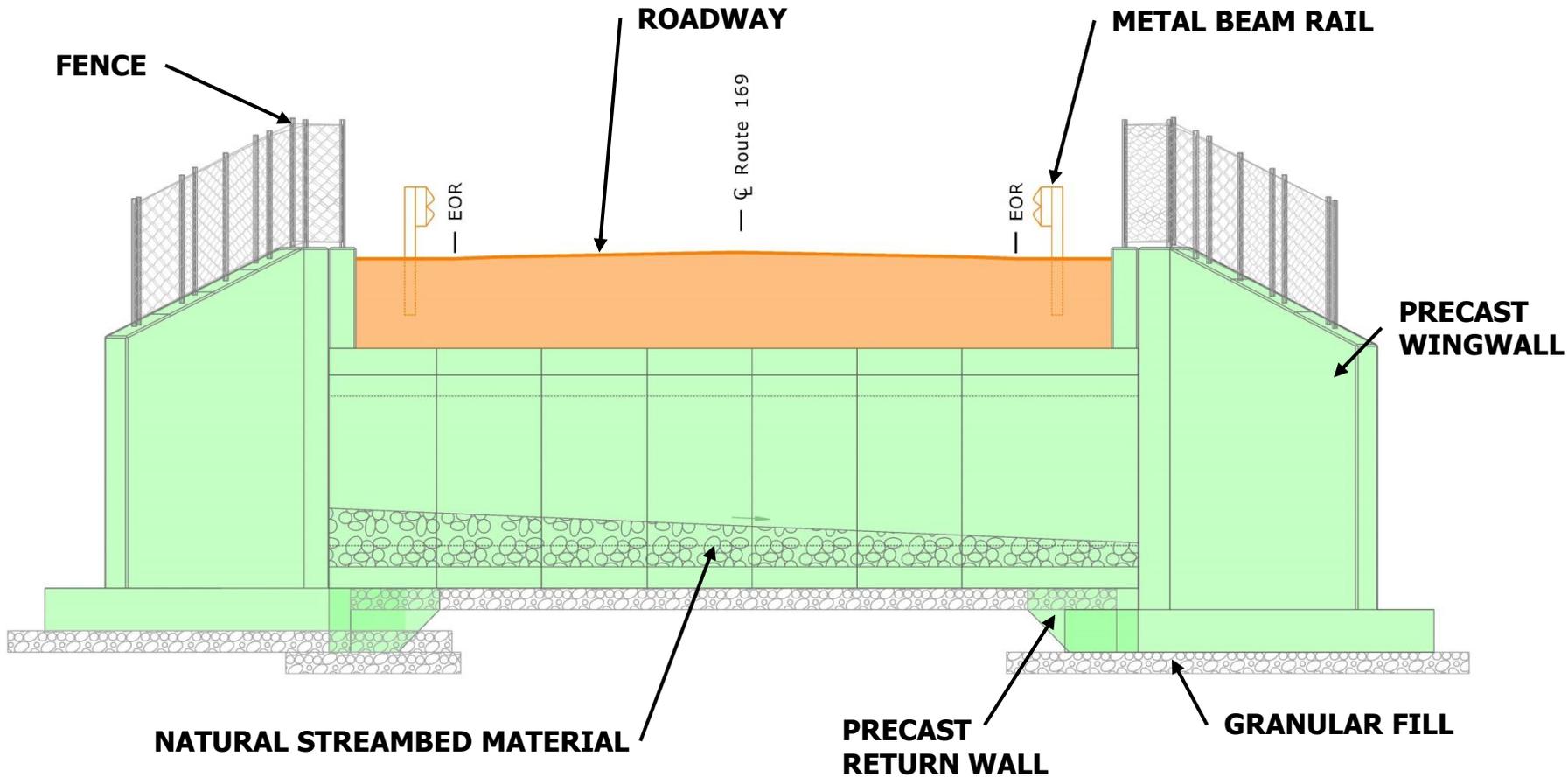
- **Structure Type:**
 - Precast Box Culvert
 - Precast Wingwalls
 - Precast Headwalls
 - Precast Cut-Off & Return Walls
- **Dimensions**
 - Opening = 10' x 9'
 - Width = 35 feet (curb to curb)



Proposed Section



Structural Plan



LEGEND

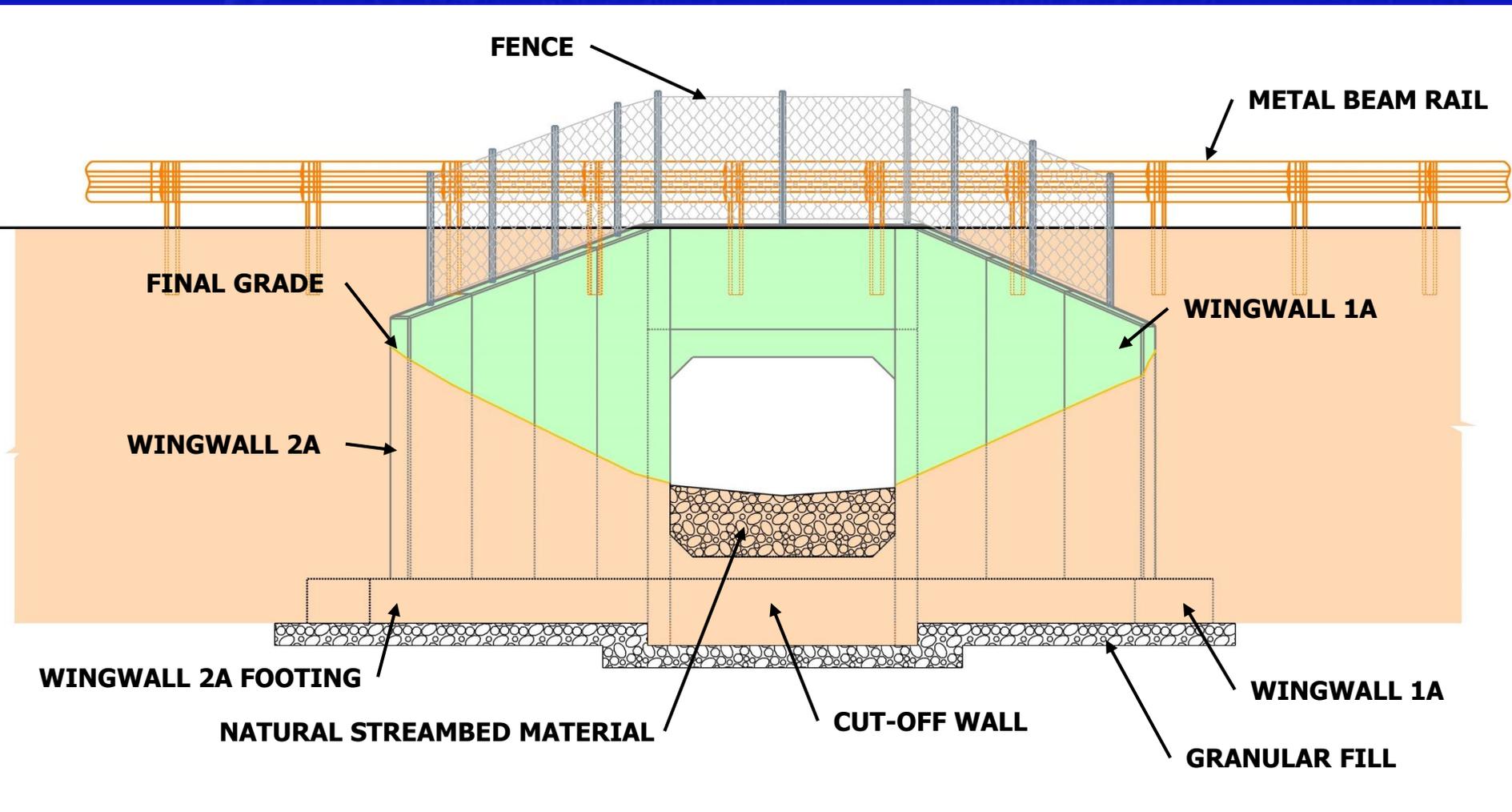
-  SUBBASE/OVERLAY
-  PROPOSED STRUCTURE

Culvert Elevation

Connecticut Department of Transportation



Structural Plan



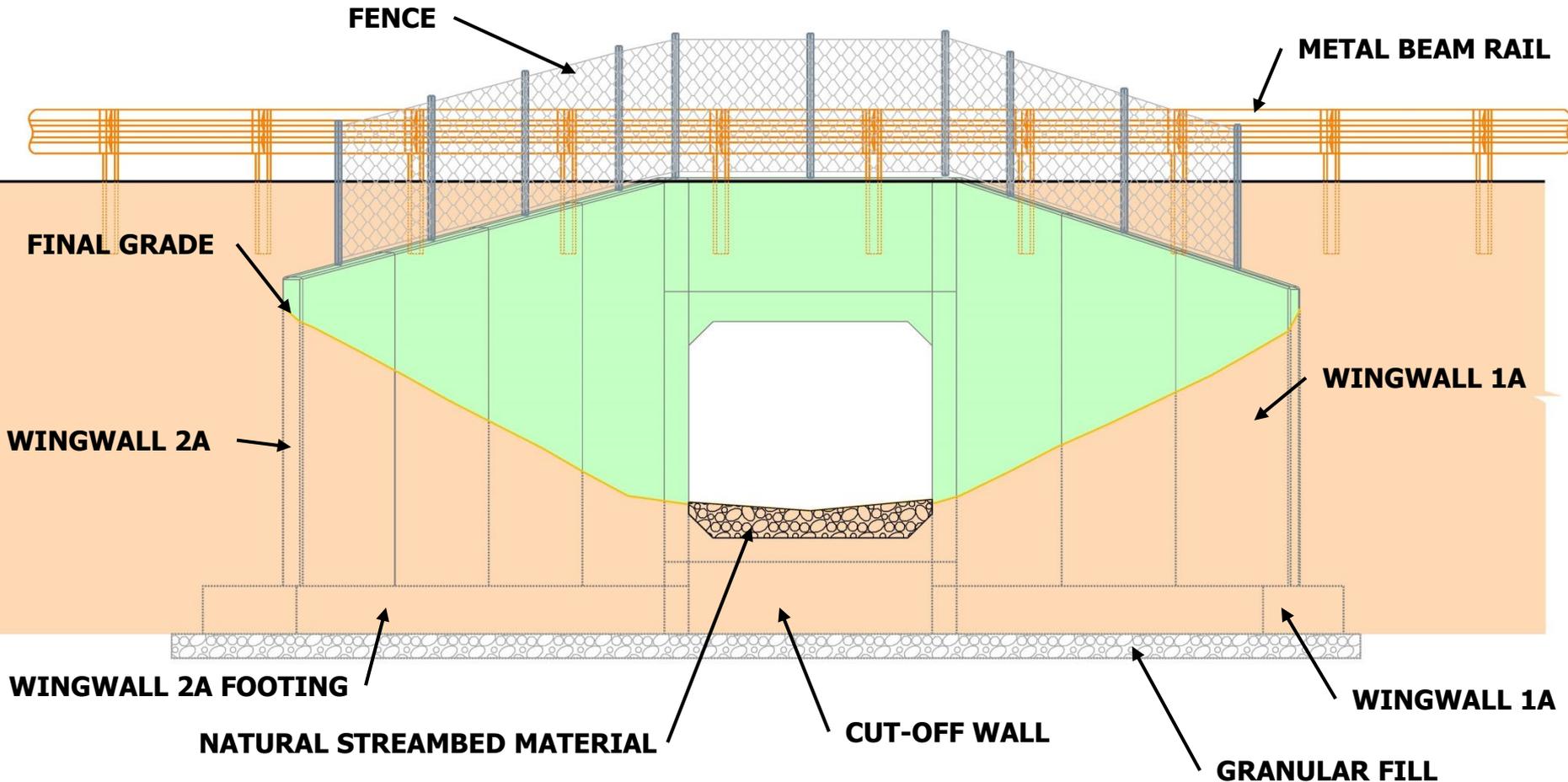
LEGEND:

-  FILL SLOPES
-  PROPOSED STRUCTURE

INLET ELEVATION



Structural Plan



LEGEND:

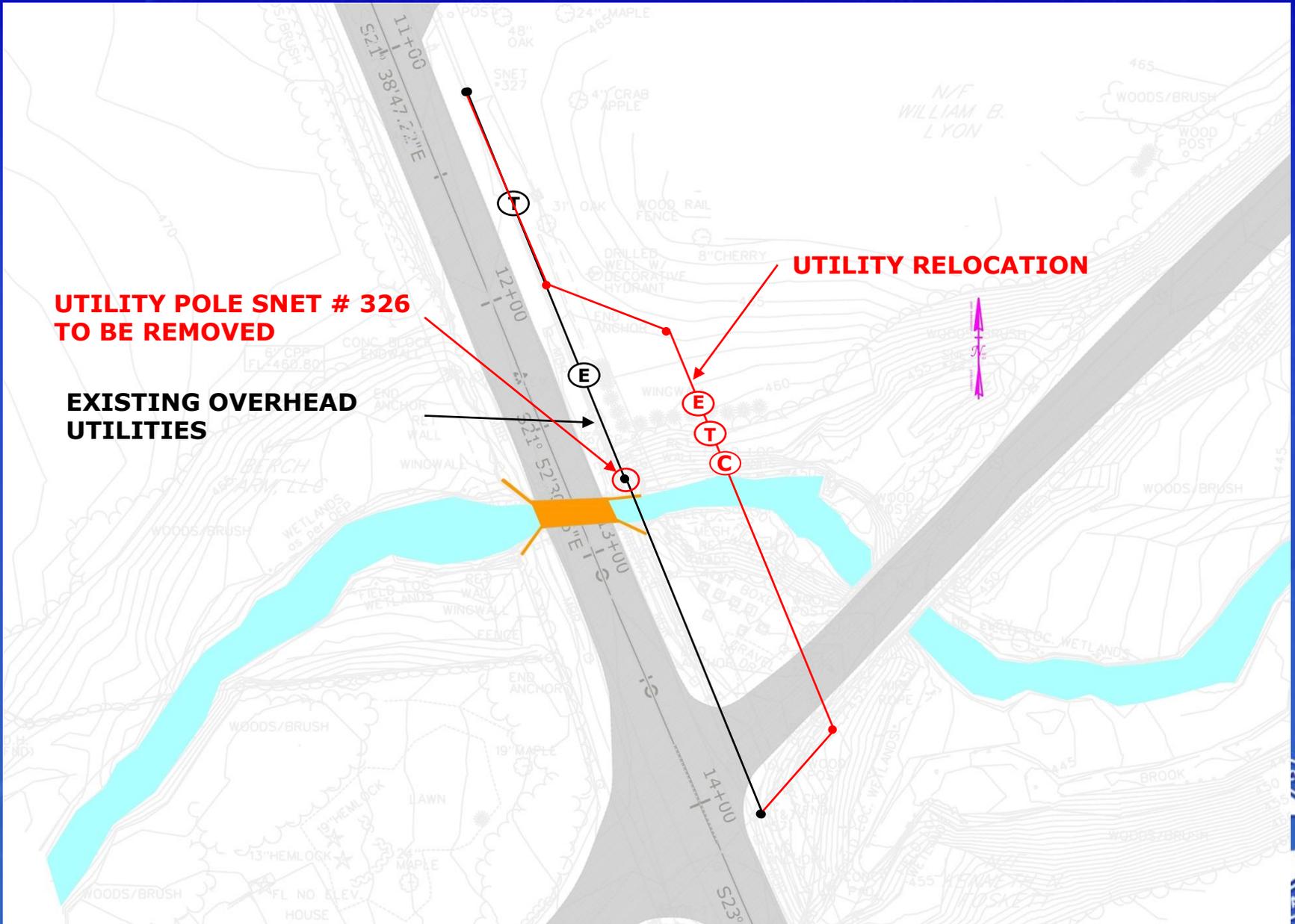
-  FILL SLOPES
-  PROPOSED STRUCTURE

OUTLET ELEVATION

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Existing Utility Relocation Sequence



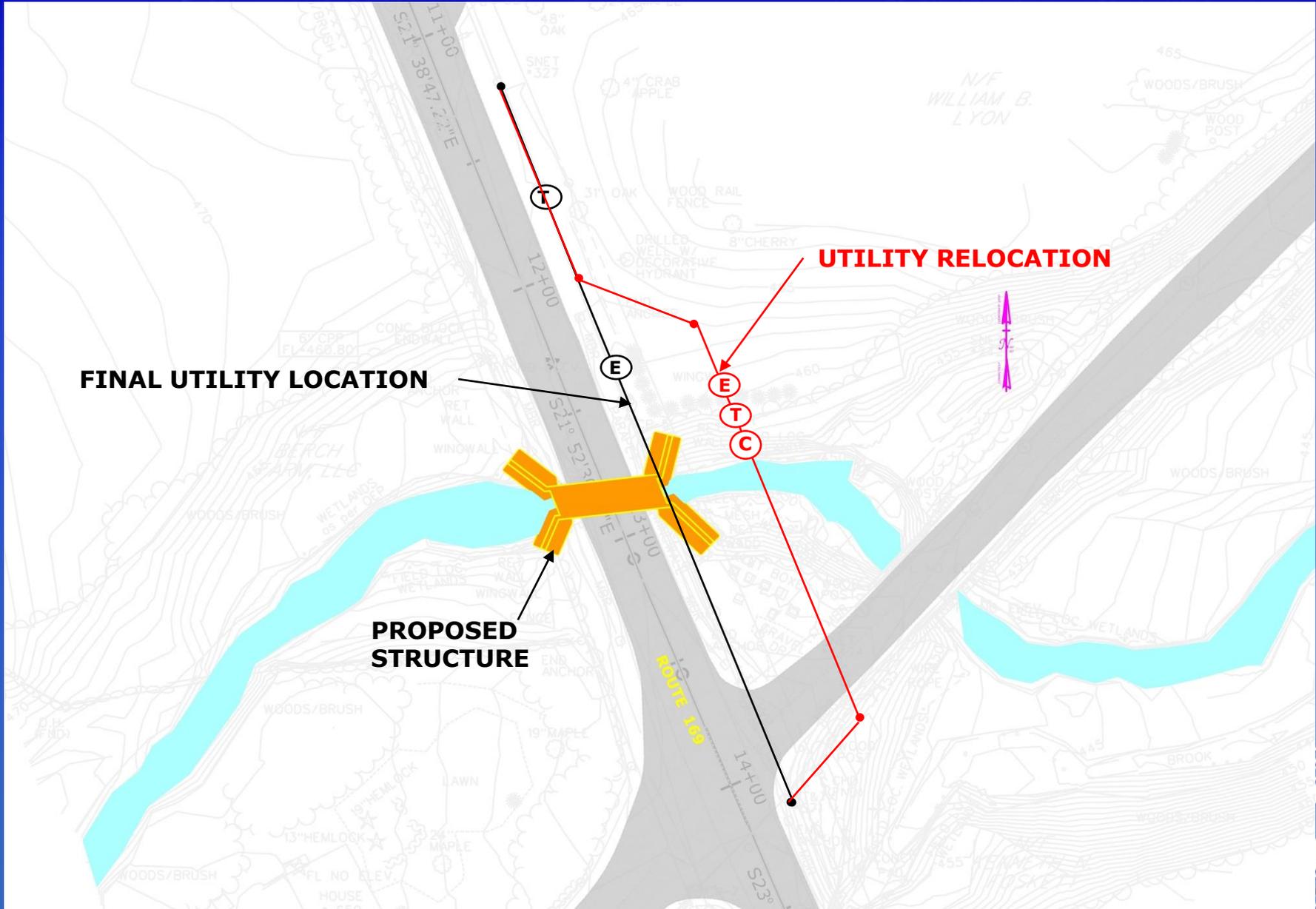
Utility Relocation



Utility pole to be removed



Utility Relocation



Estimated Construction Schedule

Prior to Detour (approximately 2-3 months):

- **Alternating one way traffic, when required, to perform :**
 - **Utility Relocation**
 - **Water Handling**
 - **Clearing and grubbing**
 - **Temporary Earth Retaining System**

During The Detour (2 Weeks):

- **Major construction activities will take place during detour:**
 - **Replacement of Structure**
 - **Replacement of Guiderail**

After Detour (approximately 2-3 months):

- **Open the new structure to traffic. If required, alternating one way traffic will be utilized to perform minor construction activities**
 - **Grading**
 - **Fencing**
 - **Utility relocation to its final location**



Project Schedule & Cost

Schedule

- **Contractor will be awarded the project in the Fall of 2016.**
- **Utility lines to be relocated Winter/Spring 2017.**
- **Construction for box culvert to begin in Summer 2017.**
- **Project to be completed Fall 2017.**

Cost

- **Total project cost is approximately \$750,000.00 funded by the State.**
- **No Town funds required for the project**



For Additional Information

- To access this presentation via the internet, please go to: “Calendar of DOT Events” on the Connecticut DOT website (www.ct.gov/dot)

- **Contact us:**

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THANK YOU FOR YOUR TIME

