

DUMMER-CAMBRIDGE-ERROL

16304B: Lessons Learned

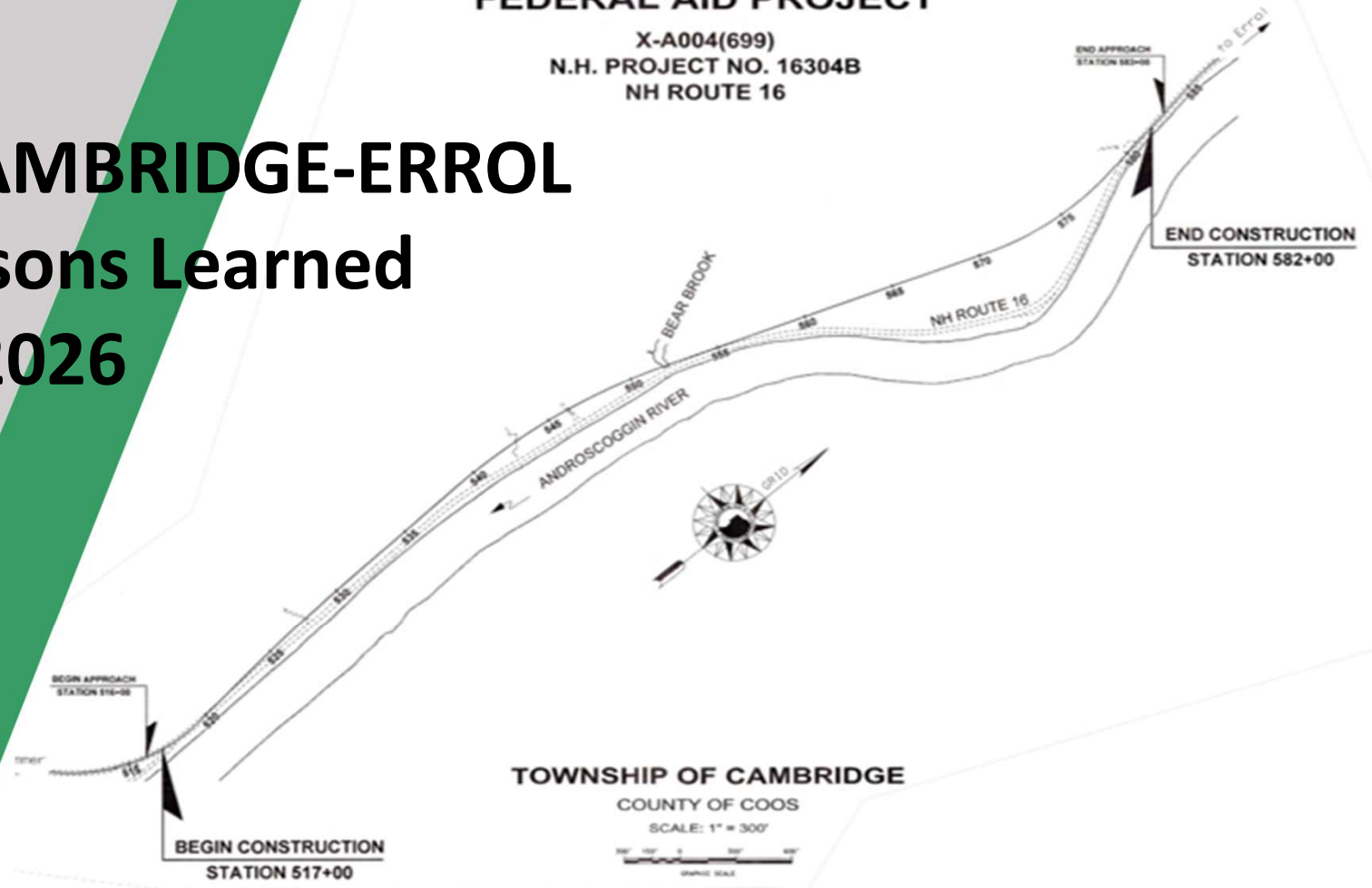
January 27, 2026

CA – MARIO GIROUX
F.S. – JASON STERLING



STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION CONSTRUCTION PLANS FEDERAL AID PROJECT

X-A004(699)
N.H. PROJECT NO. 16304B
NH ROUTE 16



Project Summary

- Realign 6,700' of NH 16 away from the Androscoggin River with 2-11' travel lanes & 4' shoulders.
 - Addresses poor condition of road base and pavement
 - Minimize long-term maintenance and risk
 - Drainage upgrades
 - Stormwater Treatment



4/13/2026



Smithville 12345A



Quantity Summary

Clearing and Grubbing ~10 acres
Common Excavation ~60,000 cy
Muck Excavation ~10,000 cy
Embankment ~13,000 cy
Muck Backfill ~51,000 cy
Crushed Stone (Coarse) ~31,000 cy
Crushed Stone (Fine) ~ 10,000 cy
Asphalt ~8,000 t
Humus ~8,000 cy



Clearing



Clearing



Environment



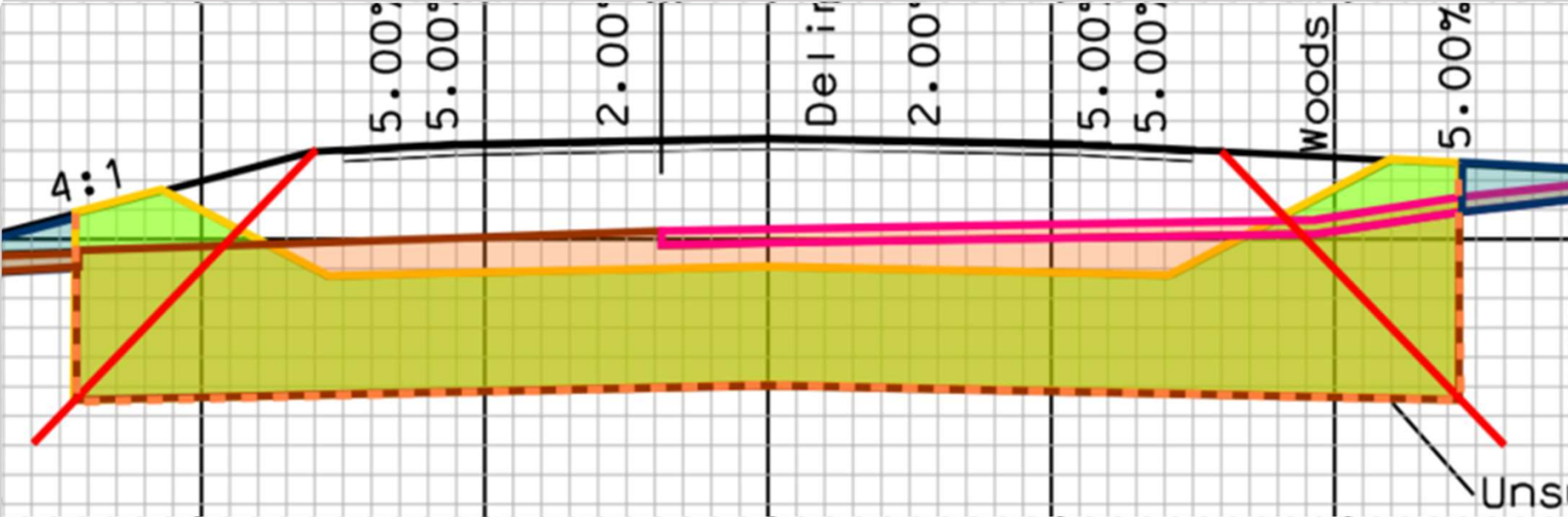
Excavation

Sequence

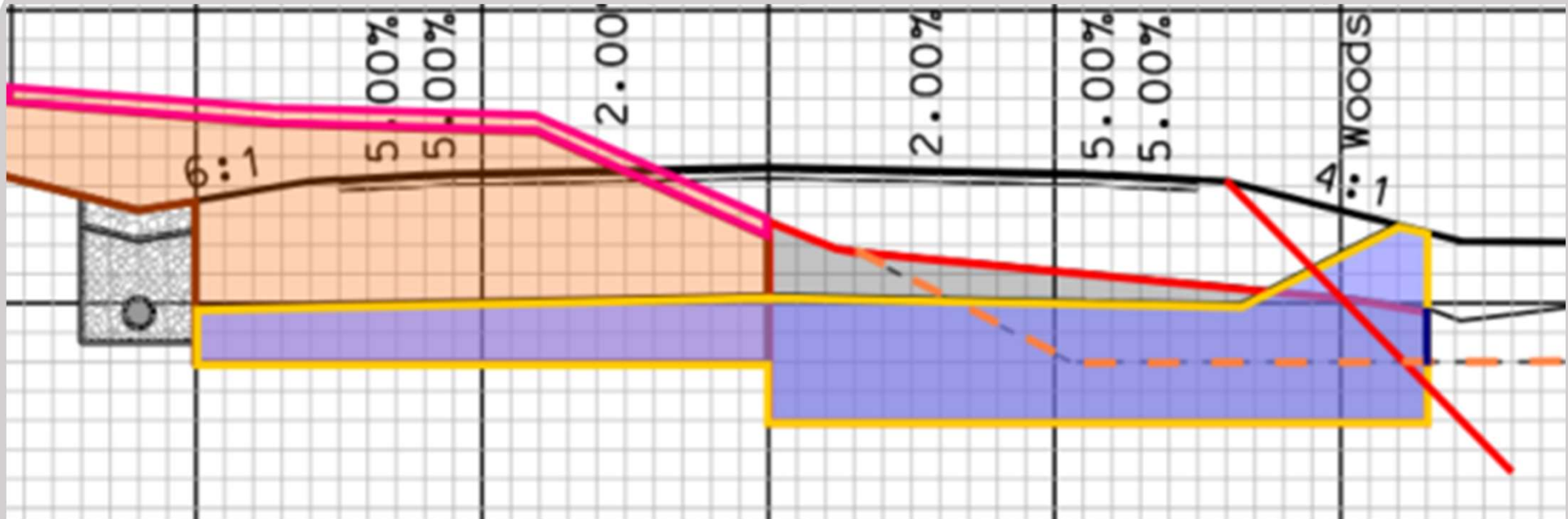
- Excavate Limits of Unsuitable
- Fill with Rock and Gravel Backfill
- Perform remaining excavation and side slope work off roadbed
- Install Drainage
- Grade subgrade
- Install Selects



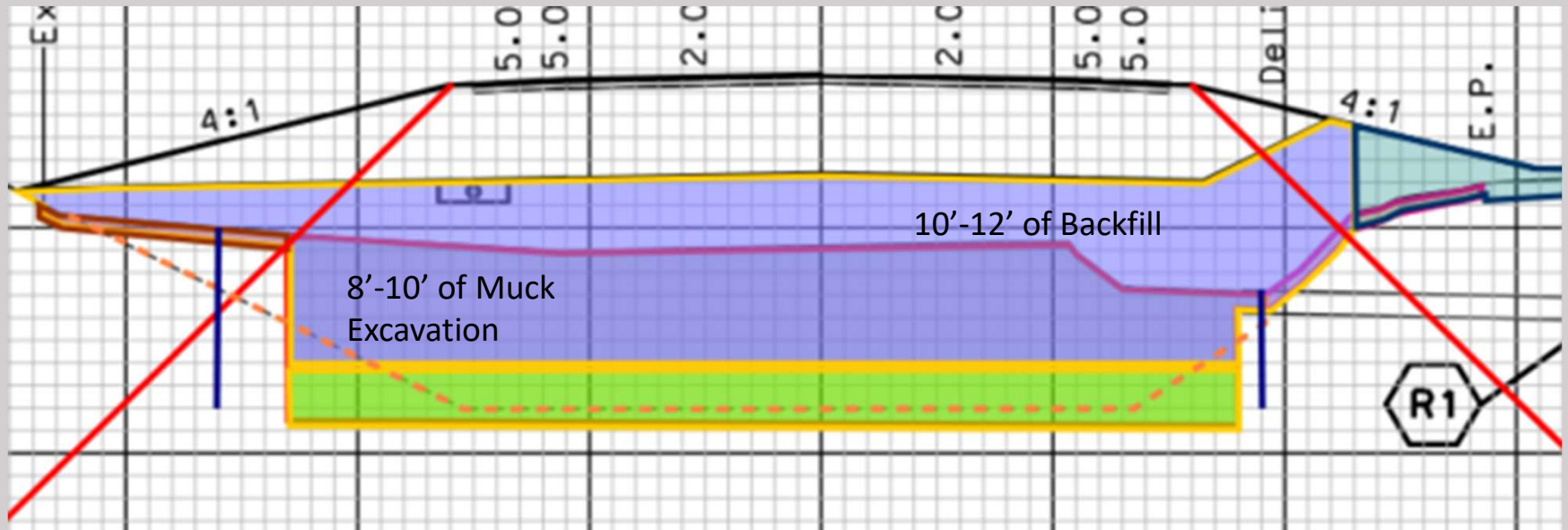
Unsuitable Material Excavation



Shallow Muck Excavation



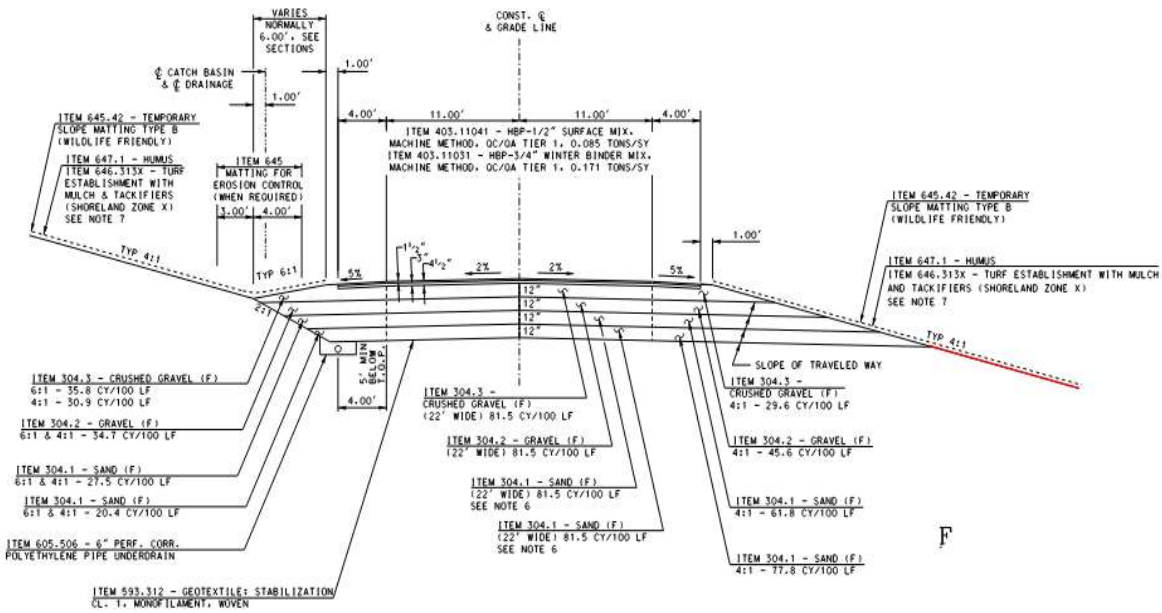
Deep Muck Excavation



Backfill for Muck and Unsuitables



Selects

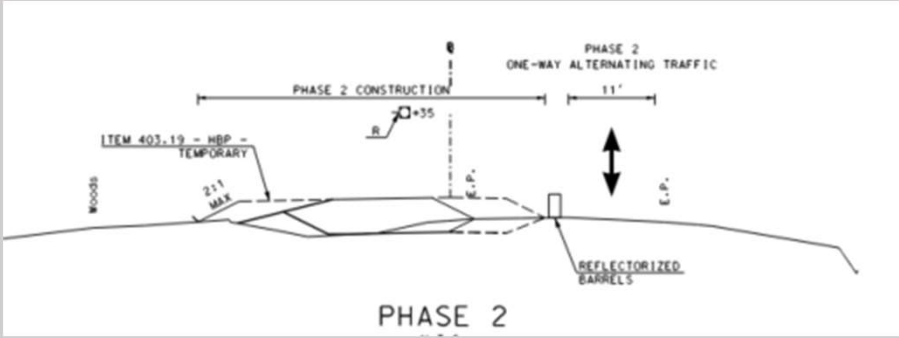
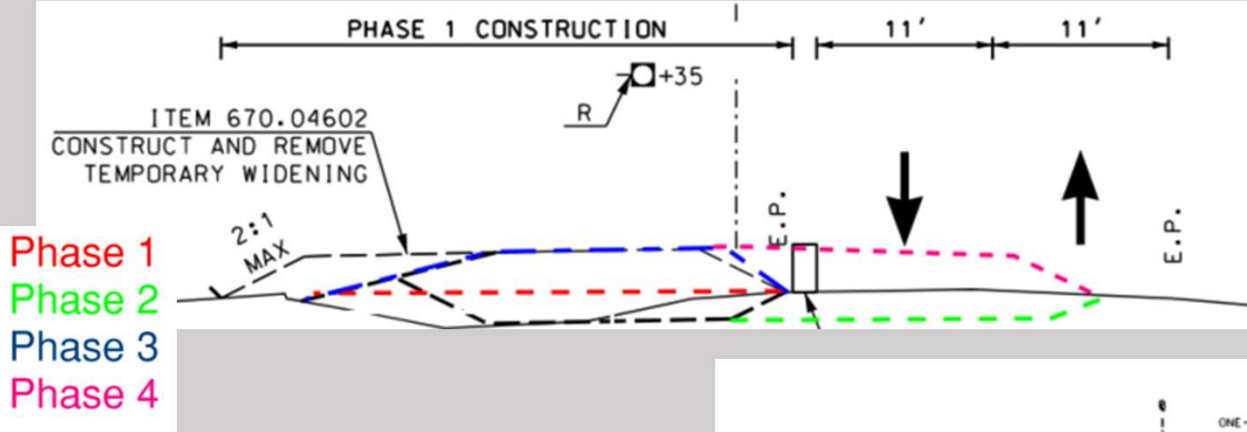


Drainage

- 11 - Drainage Crossings
 - 2 Box Culverts
 - 1 Wildlife Crossing
- Quantity Summary
 - 700' – 15" to 42" RCP
 - 9 – Headwalls
 - 13 – Catch Basins
 - 1650' – 6" underdrain
 - 900' – 12" agg. underdrain
 - 71' - 5'x4' Box
 - 80' – 6'x6' Box



Road Transitions



Paving

Plan

- 1 lift @ 3" – ¾" Winter Binder
- 1 lift @ 1 ½" – ½" Wearing Course

Change Order

- Base 2 ½" – ¾" Winter Binder
- 2nd Lift 2" – ¾" Winter Binder
- 3rd Lift 1 ½" – ½" Wearing Course







National Work Zone Awareness Week



SAFE ACTIONS SAVE LIVES

Monday April 20	Tuesday April 21	Wednesday April 22	Thursday April 23	Friday April 24
Work Zone Safety Training	National Kickoff Event, host Connecticut DOT	Go Orange Day	Social Media Storm	Moment of Silence 10 AM