

# DESIGNERS MEETING

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Minutes for March 5, 2025

1:00 PM – 2:00 PM

Erin Brewer, Secretary

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## TOPICS

- **Topic 1: ROW Impacts**
- **Topic 2: 2006 Failure of Passaconway Bridge (#5176)**

### Topic 1: How ROW Impacts our Projects

- ROW is a critical path issue, so we want to limit impacts
- Some projects we may not have ROW maps until after PDR or after PIC
- Check in after PIC before the appraisal to see if we can pull anything in (typically 2-3 months after PIC)
- Both the ROW folks & the designer's/technicians can check to see if there is a preliminary ROW map
- Flared terminals can be hard to keep out of the ROW
  - There are ways to mitigate
  - Such as using 2' berm instead of 3'
  - We can use a shorter taper

### Topic 2: 2006 Failure of Passaconway Bridge (#5176)

- Located in Cape Neddick in York
- Failed during the Mother's Day Flood of 2006, which was a 250 year flood event
- Flow was at the bottom of the superstructure during the storm
- Bridge located at the end of a long causeway
- Tidal waterway
- Failure Modes
  - Friction at pier footing interface
  - Tensile stresses at pier cap beam interface
  - Loss of support at adjacent single spans
  - Torsion failure at curbing
  - Possible scour factor, the areas that may have scoured were filled in
- Mass piers did not have rebar, which contributed to the failure

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*End of Minutes*