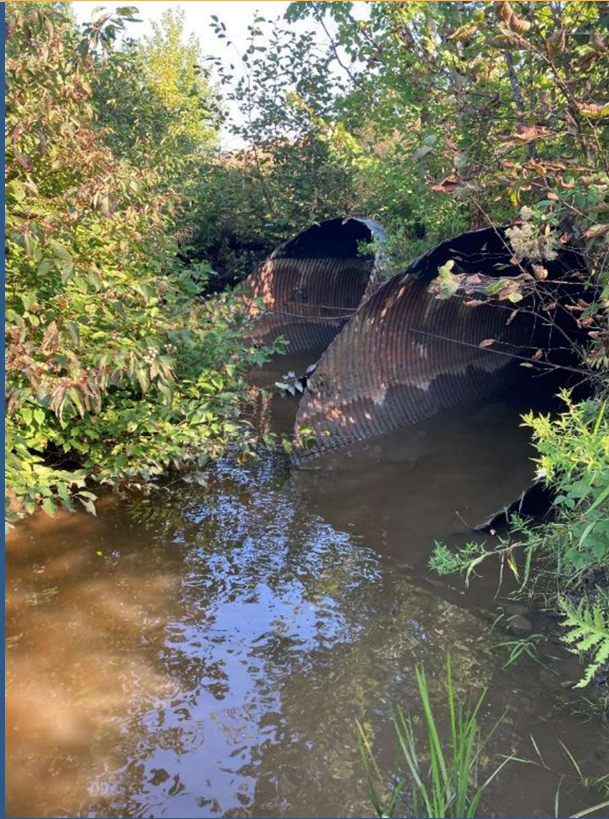




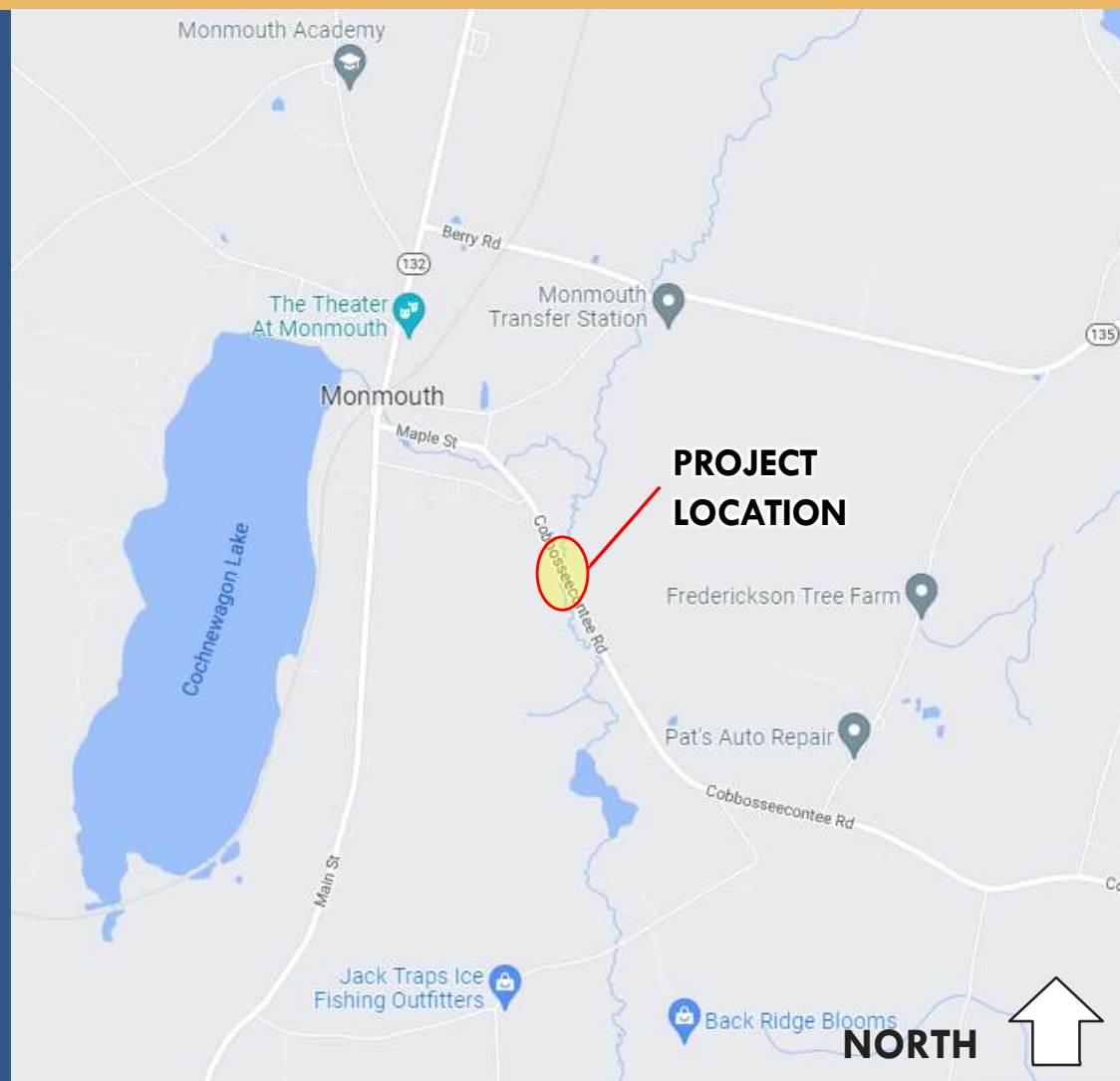
BAILEY FLAT BRIDGE REPLACEMENT PROJECT

Final Public Meeting
WIN 026156.00
September 2024

PROJECT LOCATION

Bailey Flat Bridge:

- Monmouth, Maine
- Cobbossee Road over Mud Mills Stream.



PROJECT LOCATION



EXISTING CONDITIONS

Structure Type:

- Three corrugated metal pipe culverts

Date Constructed:

- 1970 (Age = 54 years)

Structure:

- Lateral support bracing rods within the pipes have been broken and rusted throughout.
- Longitudinal and transverse cracks in the wearing surface above the culverts.



DESIGN RECOMMENDATION

Proposed Solution:

- 16' x 8' Precast Concrete Box Culvert

Solution Benefits:

- High Durability
- Low Initial Construction Cost
- Low Future Maintenance Costs



TRAFFIC MANAGEMENT OPTIONS

Temporary Bridge:

- A single lane of alternating traffic maintained through the construction zone with a temporary bridge adjacent to the existing roadway.

Phase Construction

- A single lane of alternating traffic maintained on one-half of the existing roadway to allow for construction activities to occur on the opposite side.

Off-Site Detour

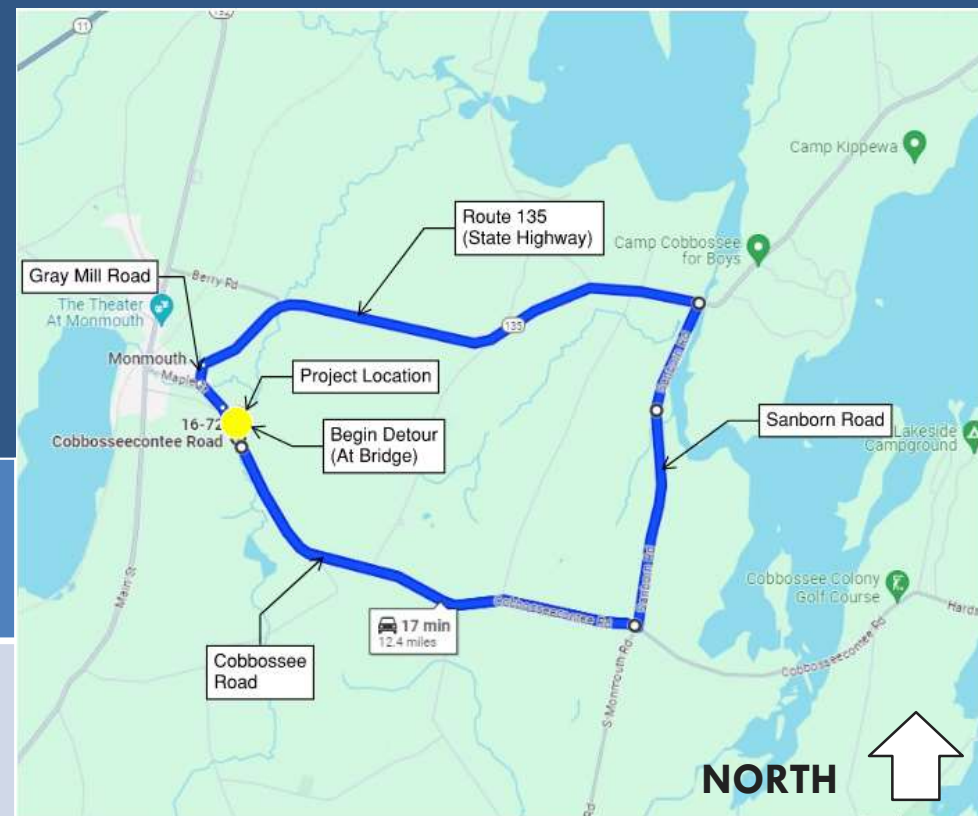
- Roadway closed to traffic at bridge location.
- Traffic detoured to adjacent local roads for the duration of construction.

TRAFFIC MANAGEMENT RECOMMENDATION

Off-Site Detour

- Shortest construction schedule
- Most cost effective
- Least impactful to on-site resources

Route	Total Detour Length Distance / Time	Through Traffic Detour Length Distance / Time
Cobbosee Rd. → Sanbon Rd → Rt. 135 → Gray Mill Rd.	12.4 miles / 17 min.	4.9 miles / 7 min.



ANTICIPATED SCHEDULE

Project Advertise: Fall of 2025

Construction: Spring/Summer of 2026

