Culvert Replacement Project

NH Route 11, Alton
East of Gilford/Alton Town Line
Batchelder Brook
Culvert Area

Crosses NH Route 11, then travels through rail culvert (1890) 85-feet downstream – outlets into Lake Winnipesaukee.
Existing Hybrid Culvert

Inlet: 48” metal pipe

Outlet: 4’h x 3’w stone box (1918)
Project Need

Culvert Condition: structure failing
• Downstream stone rail culvert (1890).
• Outlets into a pool at Lake Winnipesaukee.
• No proposed impacts.
Proposed Design

- Remove existing hybrid culvert.
- Construct proposed concrete box culvert west of existing.
- Update existing guardrail to meet current standards.
- Property impacts out to orange line.
Nighttime Roadway Closure with Detour

- Impact to Traffic: 10pm – 6am roadway closure for ~ 5 nights.
- Nighttime formal detour to NH 11A.
- Minimizes impacts to:
  - Properties
  - Utilities
  - Stream
  - Construction timeline and cost.
Formal Detour

Detour Length: 10.6 miles
NH 11A/NH 11B