Public Informational Meeting – March 27, 2023

Tucker Mill Rd Bridge over Mid Branch Piscataquog River NHDOT Bridge # 087/150

&

Gregg Mill Rd Bridge over South Branch Piscataquog River NHDOT Bridge # 132/138





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1

Presentation Outline



- Introduction
- Presentation Goals
- Public Outreach
- Purpose and Need
- Project Phases
- Project Alternatives
 - Tucker Mill Road
 - Gregg Mill Road
- Schedule
 - Feedback/Comments

Introduction



- Project Team
 - Town of New Boston (Owner)
 - NHDOT & FHWA (Funding Agencies)
 - Hoyle, Tanner & Associates, Inc. (Consultant)
- Hoyle Tanner Team
 - Sean James, PE Principal-in-Charge
 - Josif Bicja, PE Project Manager
 - Katelyn Welch, PE Project Engineer



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3

Presentation Goals



- Make Public Aware of Project Early in Design Process
- Share Project Development Process/Alternatives
- Listen to Concerns
- Gather Public Input
- Answer Your Questions



Public Outreach



- Local Concerns Meeting on December 7, 2022
 - Tucker Mill Road
 - Traffic Control
 - Flooding
 - Gregg Mill Road
 - Driving sight distance
 - Narrow bridge width
- Public Informational Meeting Today



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5

Purpose and Need



- Purpose
 - Replace the existing bridges to provide structurally safe bridges, which accommodates design floods, provides adequate load carrying capacity and rail system to improve roadside safety.
- Need
 - Provide access for residents and emergency response vehicles.
 - Improve the inadequate hydraulic capacity at Tucker Mill Road.
 - Improve the short sight distance and insufficient bridge width at Gregg Mill Road.



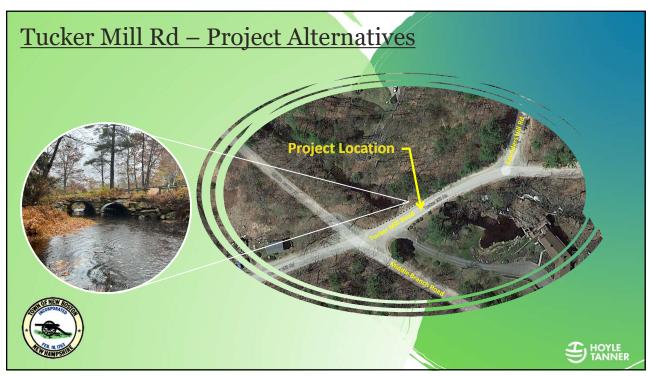
Project Phases



- Preliminary Engineering
 - Engineering Study
 - Preliminary Design
 - Permitting
 - Final Design
 - Bid Phase
- Construction
 - Construction
 - Construction Engineering



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<u>Tucker Mill Rd – Project Alternatives</u>



- Existing Conditions
 - Built in 1991
 - Invert Lined w/Concrete in 2008
 - Twin Corrugated Metal Arches 12' Span x 7' Rise
 - Undermining/Erosion
 - Heavy Rusting and Corrosion
 - 81 Vehicles/Day



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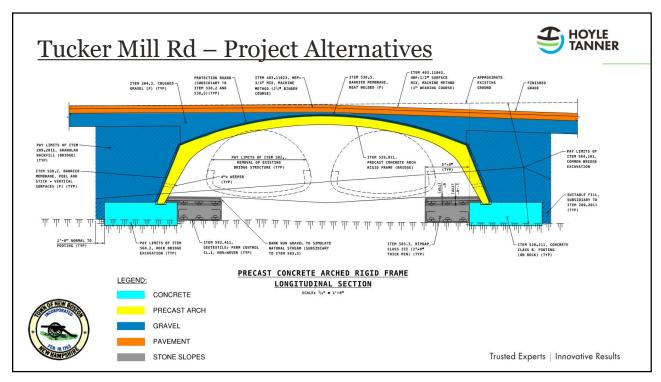
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<u>Tucker Mill Rd – Project Alternatives</u>

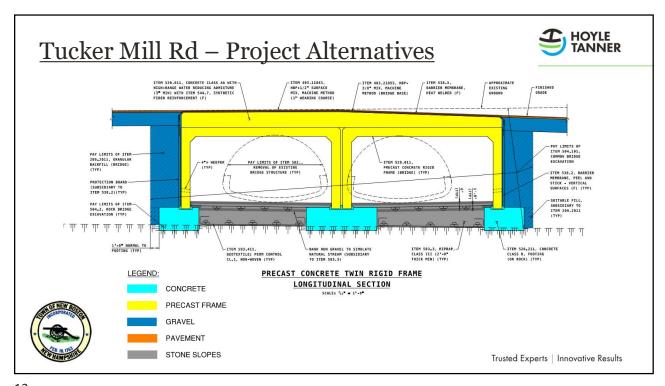


- Alternative No. 1 "No Build"
- Alternative No. 2 Rehabilitation
- Alternative No. 3 Replacement
 - No. 3A Precast Concrete Arch
 - No. 3B Precast Twin Rigid Frames

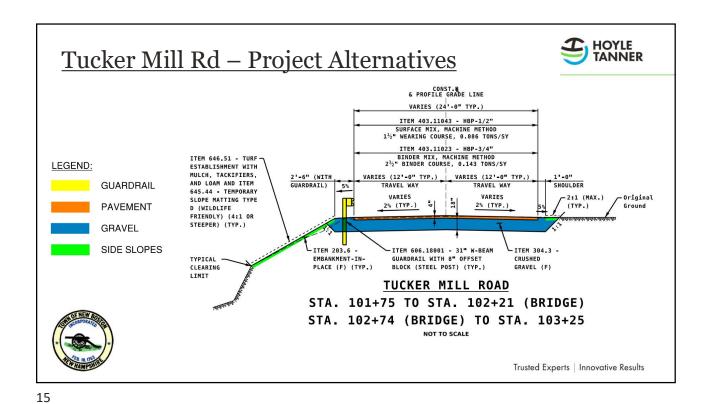


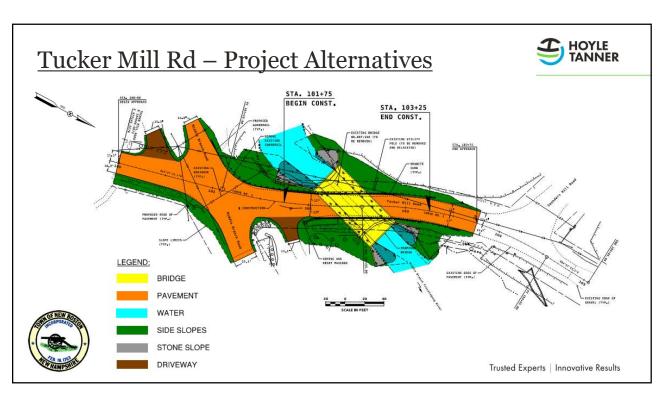
















<u>Gregg Mill Road – Project Alternatives</u>



- Existing Conditions
 - Built in 1938
 - Concrete T-Beam Superstructure (56' Long)
 - Stone Abutments (Concrete Faced)
 - 18' Wide Travel Way
 - Scour Downstream Wingwalls
 - Spalling/Cracking Concrete Beams
 - 605 Vehicles/Day



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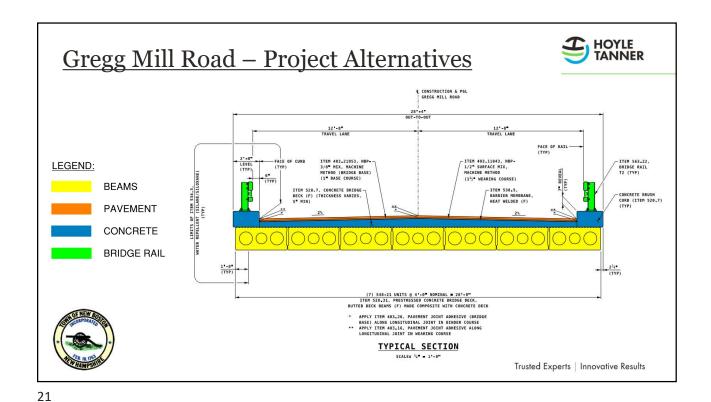
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<u>Gregg Mill Road – Project Alternatives</u>



- Alternative No. 1 "No Build"
- Alternative No. 2 Rehabilitation
- Alternative No. 3 Replacement
 - No. 3A Prestressed Deck Beams
 - No. 3B Steel Stringers





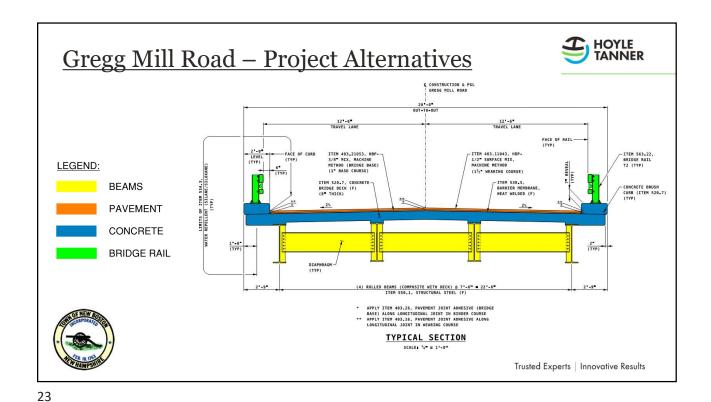




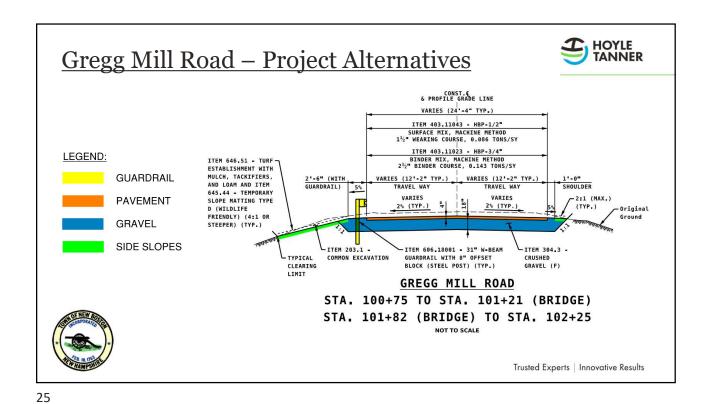


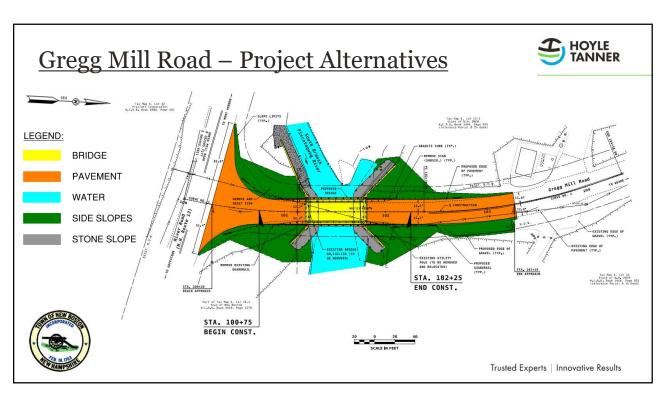
Town Farm Road Salem, NH

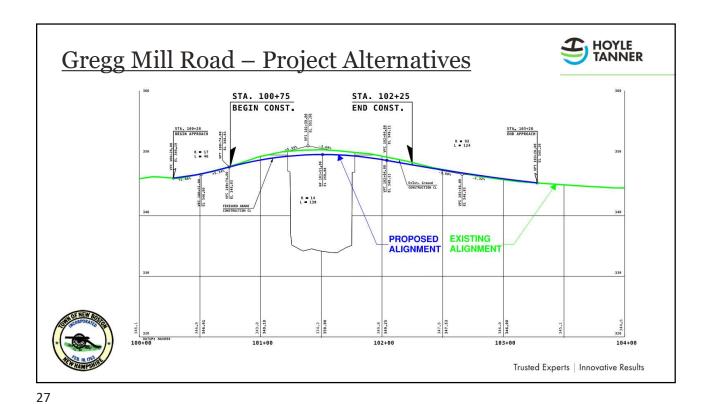
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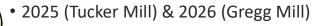
Gregg Mill Road - Project Alternatives

| Howe Bridge Road | Project Location | Route 13 (River Road) | Project Location | Project Location | Innovative Results

Project Schedule



- Engineering Study
 - April 2023
- Preliminary Design/Permitting/ROW
 - April 2023 to July 2024
- Final Design
 - July to November 2024
- Bid Phase
 - December 2024 (Tucker Mill) & December 2025 (Gregg Mill)
- Construction



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