

PRESENTATION OUTLINE

- Purpose and Need
- Location Map
- Existing Bridge Information
- Inspection Findings
- Rehabilitation & Traffic Control Alternatives
- Cultural & Natural Resources
- Abutters & Right-of-Way
- Your Input is Needed
- Next Steps
- Anticipated Schedule
- Questions



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PURPOSE AND NEED

Purpose

 Evaluate the Kingsley Covered Bridge for continued Special Use on Roads crossing the Mill River and to extend its service life

Need

 Continue to provide access for vehicles across Mill River in the eastern part of the Town of Clarendon



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EXISTING BRIDGE INFORMATION

- Bridge constructed in 1836, Rehabilitated in 1949 & 1987
- Listed in National Register of Historic Places in 1974
- Town Lattice Trusses:
 - 120' Long (Portal to Portal)
 - 15'-7" On Center
 - II'-0" Vertical Clearance
 - Posted Weight 3 Tons
- Substructures: Reinforced Concrete Abutments Founded on Bedrock



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SECTION AND ELEVATION VIEW TO STATE OF THE STATE OF THE

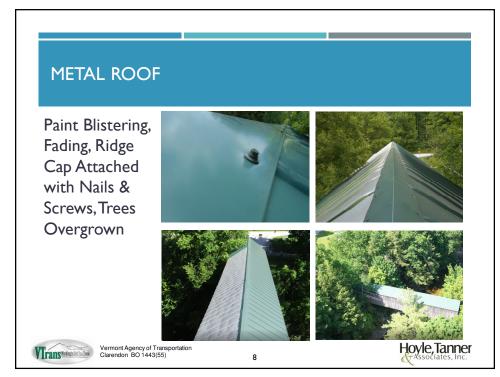
INSPECTION FINDINGS

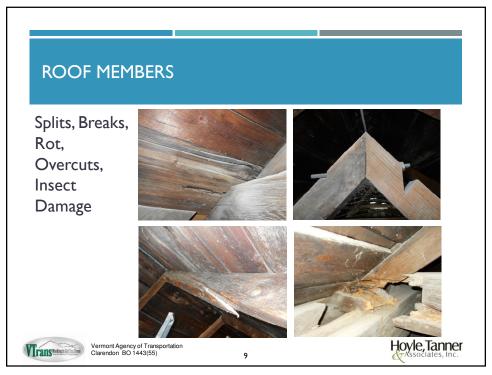
- National Bridge Inspection Standard Condition Ratings
 - 9 = Excellent
 - 0 = Failed Condition Closed
- Overall bridge condition is rated 5 or fair.
 - Deck condition is rated 7 or good.
 - Superstructure condition is rated 5 or fair.
 - Substructure condition is rated 7 or good.
 - · Channel condition is rated 8 or very good.

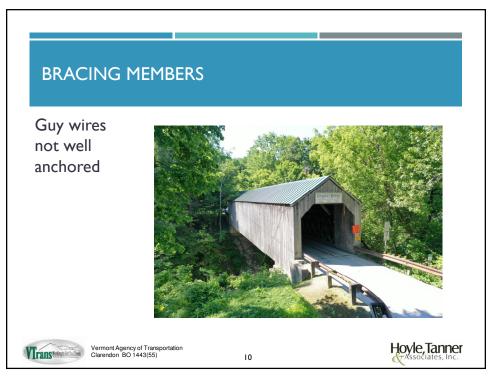


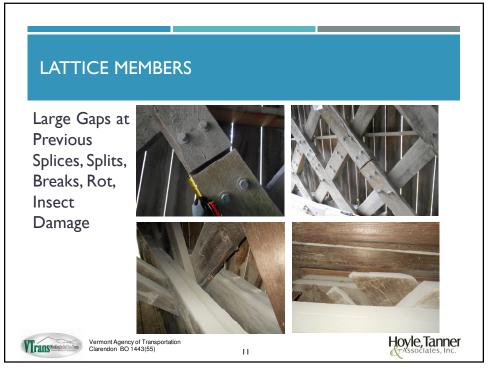
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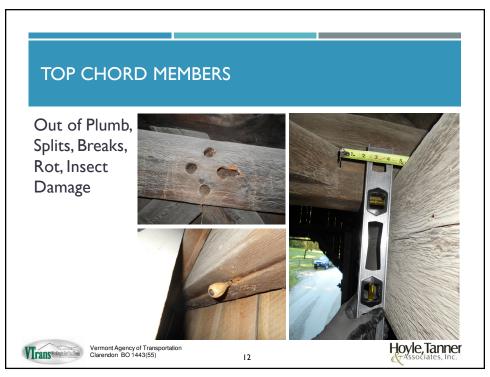
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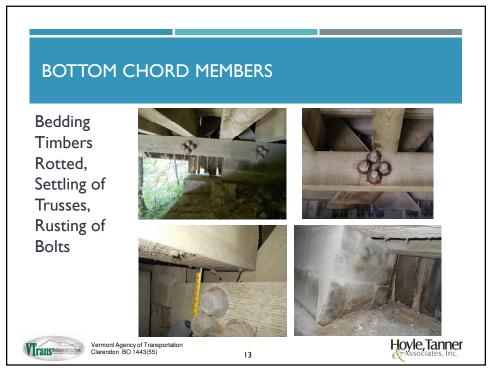


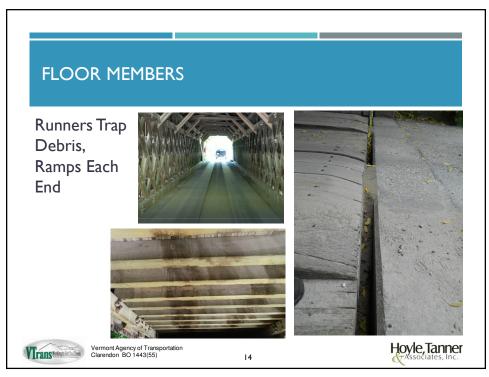














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Vermont Agency of Transport Clarendon BO 1443(55)

REHABILITATION ALTERNATIVES ANALYSIS

- Bridge rehabilitation is feasible based on:
 - Current condition of bridge.
 - Deterioration type and level of section losses observed.
 - Expected remaining service life.
- Rehabilitation will extend service life.



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REHABILITATION ALTERNATIVES ANALYSIS

- Bridge rehabilitation alternatives analysis will consider and evaluate:
 - H-3 (3-Ton) Design Vehicle
 - H-12 (12-Ton) Design Vehicle
 - H-15 (15-Ton) Design Vehicle
 - H-20 (20-Ton) Design Vehicle



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REHABILITATION ALTERNATIVES ANALYSIS

- Rehabilitation alternatives evaluation will include:
 - Initial construction cost.
 - Traffic impact.
 - Public safety.
 - Environmental impacts.
 - Property impacts.
 - Extending remaining service life.
 - Public input.





TRAFFIC CONTROL ALTERNATIVES

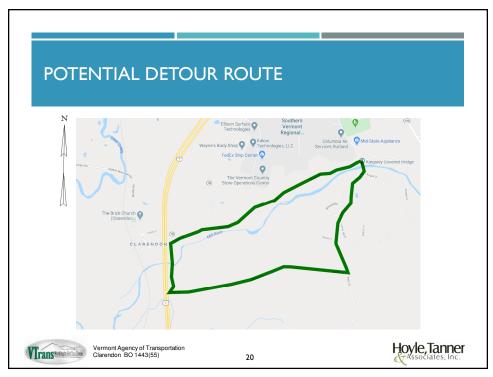
- Phased construction.
 - One lane of alternating two-way traffic (Not Feasible)
- Temporary bridge (Not Feasible)
- Bridge closure with off-site detour:
 - East St to Gorge Rd,VT Route 7B, Bump Rd, back to East St (3.8 miles)



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CULTURAL RESOURCES

- Project must follow Section 106 of the National Historic Preservation Act
- Section 106 requires consideration of cultural resources, including historic buildings, structures & archaeological deposits
- Coordinate with State Historic Preservation Office (SHPO) and Historic Covered Bridge Preservation Committee (HCBPC)



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NATURAL RESOURCES ABUTTERS & RIGHT-OF-WAY

- Natural Resources
 - Check project limits for natural resources.
- Abutters & Right-of-Way
 - We currently do not anticipate any property rights needed
 - Temporary easements for construction access may be required



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YOUR INPUT IS NEEDED

- Abutter concerns
- Emergency response routes
- Bridge usage
- Local events and impacts
- Bridge safety concerns
- Other concerns



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NEXT STEPS

- Evaluate rehabilitation alternatives
- HCBPC presentation to get input & comments
- Hold Public Information Meeting to present recommended rehabilitation alternative
- Complete National Environmental Policy Act (NEPA) Process for environmental permitting
- Prepare Scoping Report
- Develop contract plan & documents



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