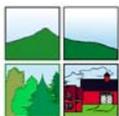


Winchester-Swanzey

NH 10 Bridge Replacement

Public Hearing

October 26, 2010



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Winchester Swansey NH 10 Bridge Replacement Project



Agenda

- **Welcome and Introductions**
- **Project Approach**
- **Environmental Review**
- **Right-of-Way Process**
- **Existing Conditions**
- **Proposed Bridge Replacement**
- **Project Cost and Schedule**
- **Comments, Questions and Concerns**



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Winchester Swanzey NH 10 Bridge Replacement Project

New Hampshire
DOT
Department of Transportation

Introductions

- Design Team
 - NH Department of Transportation
 - Southwest Region Planning Commission
- Project Advisory Committee
 - Town of Winchester
 - Town of Swanzey
 - Westport residents
 - NH Department of Safety



Project Approach

Context Sensitive Solutions (CSS)

“A collaborative, interdisciplinary approach that involves all stakeholders to develop a transportation facility that fits its physical setting and preserves scenic, aesthetic, historic, and environmental resources, while maintaining safety and mobility.”



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Winchester Swanzey NH 10 Bridge Replacement Project



CSS Steps

We are here

Public Hearing

Preferred Alternative

Public Info Meeting

Screen Alternatives

Brainstorm Alternatives

Screening Criteria

Vision Statement

Problem Statement

Placemaking Workshop

- Involve Stakeholders
- Identify Problem(s)
- Create a Vision
- Develop Range of Alternatives
- Determine Preferred Alternative



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Problem Statement

4/23/09

Winchester Swanzey - NH 10 Bridge Reconstruction

The Route 10 Bridge, built in 1935 over the Ashuelot River in the Town of Winchester, is reaching the end of its design life and in need of replacement, exhibiting significant concrete deterioration and steel corrosion. The bridge itself is narrow and lacks adequate shoulders for vehicle breakdowns, cycling and walking. There are no adequate detours for traffic movements in the immediate vicinity of the bridge during accidents or other events that debilitate the roadway. Westport Village Road is inadequate to serve as a detour due to its lack of shoulders, weight and height restrictions caused by the covered bridge and the roadway geometry through the village. To the south of the bridge there are significant **sight distance issues** on NH Route 10 and for vehicles attempting to exit **Westport Village Road** with excessive speed along NH Route 10 being a contributing factor. To the north, there is **frequent icing** during the winter months due to **heavy shading and poor drainage** in the area. The roadway is an important link for regional traffic to and from Keene for employment, goods, emergency and other services, as well as an **emergency evacuation route** for Vermont Yankee. Currently there is no access to the Ashuelot River for **fire control** purposes or for **recreation** in the vicinity of the bridge.



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Winchester Swanzey NH 10 Bridge Replacement Project



Problem Statement

4/23/09

Winchester Swanzey - NH 10 Bridge Reconstruction

Key concerns include:

- **Route 10 Bridge is in poor condition and needs replacement**
- **Bridge is narrow; lacks adequate shoulders**
- **Sight distance at Westport Village Road is poor**
- **Frequent icing due to heavy shading and poor drainage**
- **No access to the Ashuelot River**



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Winchester Swanzey NH 10 Bridge Replacement Project

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Vision Statement

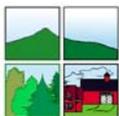
5/28/09

Winchester Swanzey- NH 10 Bridge Reconstruction

NH Route 10 is a major north-south arterial road providing access to and from southwest NH and the region. The corridor in the vicinity of the Winchester-Swanzey town line will be enhanced by the construction of a new bridge with improvements to the adjacent approaches to the bridge including:

- Improvements to roadway travel width
- Capacity for turning movements to Westport Village Road
- Breakdown lanes
- Allowance for safe bicycle and pedestrian travel
- Improvements to roadway drainage
- Access to water supplies for fire control
- Access to the river for recreational opportunities

The bridge and its approaches will enhance safety, be aesthetically pleasing, and environmentally sensitive, in keeping with the rural character of southwest NH.



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Winchester Swanzey NH 10 Bridge Replacement Project



Vision Statement

5/28/09

Winchester Swanzey- NH 10 Bridge Reconstruction

Key elements include:

- **Widen roadway**
- **Improve turns at Westport Village Road**
- **Provide for safe bicycle and pedestrian travel**
- **Improve roadway drainage**
- **Provide access to Ashuelot River**



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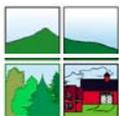
Screening Criteria

- Access
- Aesthetics
- Environment
- Implementation
- Mobility
- Safety
- Overall



⇒ Available on project web site:

www.nh.gov/dot/projects/winchester12906



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Winchester Swanzey NH 10 Bridge Replacement Project



Environmental Review

Laurel Kenna
Environmental Analyst
NH Department of Transportation



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Winchester Swanzey NH 10 Bridge Replacement Project



Right-of-Way Process

Victoria H. Chase PE
Right-of-Way Engineer
NH Department of Transportation



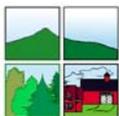
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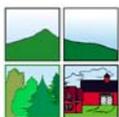
Existing Conditions – Bridge

- Built in 1935
- 181' long, 24' wide
- 3 spans
- Poor condition – deterioration of steel and concrete
- Narrow and lacks adequate shoulders



Existing Conditions - Highway

- 6,800 vehicles per day, 4% trucks
- 50 mph speed limit
- Variable width shoulders
 - Wide shoulders and ROW to south (1959)
 - Narrow shoulders and ROW to north (1935)
- Poor sight distance from Westport Village Road
- Frequent icing due to tree cover and poor drainage



Preliminary Alternatives

- 9 options
 - On line (requires Detour)
 - Off line
- Shared elements
 - 12' lanes, 10' shoulders
 - 3 span bridge; move piers out of river
 - 100' controlled access right of way
- Concerns
 - Extensive Property Impacts
 - Potential Structure removal
 - Extensive roadway reconstruction



Project Costs and Schedule

- Estimated Construction Cost
 - \$5.8 million
- Schedule
 - Construction begins Spring 2012
 - Construction complete Fall 2013



Thank You

Comments, Questions and Concerns



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