



Dover BF 013-1(20) Bridge 59 on VT Route 100 over the Deerfield River Property Owner Meetings

January 28, 2016

Introductions

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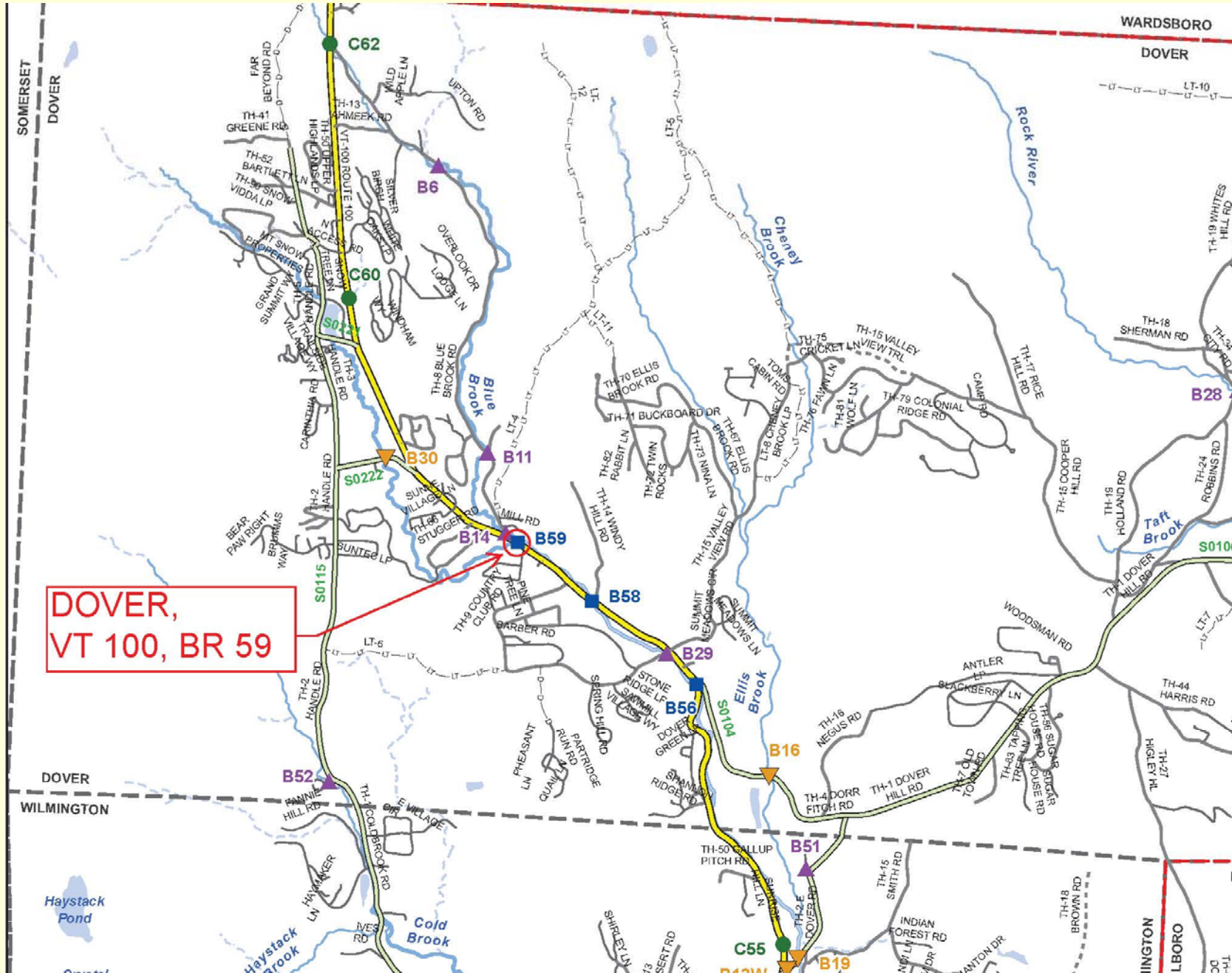
VTrans

Rebecca Pellett

VTrans



PROJECT LOCATION



Meeting Outline

- Purpose of the Meeting
- Existing bridge information
- Proposed project information
- Next Steps
- Questions

Purpose of Meeting

- Present the Preliminary plans
- Discuss the impact to the adjacent properties.
- Project Schedule and Cost
- Provide you with the chance to ask questions and voice concerns.

Project Background

- The structure is owned and maintained by the State
- Funding will be 80/20 Federal/State (no local funds)
- Functionally labeled as a Rural Minor Arterial
- Posted Speed = 40 mph (Design Speed)
- Existing bridge is a single-span concrete T-beam that was widened with a concrete slab in 1978
- Bridge length = 35 feet
- Bridge Width = 35 feet
- The bridge was built in 1926 (90 years old) and widened in 1978.

EXISTING BRIDGE DEFICIENCIES

Inspection Rating Information (Based on a scale of 9)

Bridge Deck Rating	4 Poor
Superstructure Rating	6 Satisfactory
Substructure Rating	6 Satisfactory

Rating Definitions

9 Excellent
8 Very Good
7 Good
6 Satisfactory
5 Fair
4 Poor
3 Serious
2 Critical
1 Imminent Failure

Deficiencies

- The bridge is structurally deficient with a Poor deck rating
- The bridge railing does not meet current standards
- The bridge does not meet the hydraulic standards

Looking north over Bridge



05.15.2013

Looking south over Bridge



Failed downstream wingwall



Underside of Concrete Deck



Delamination in Underside of Concrete Deck

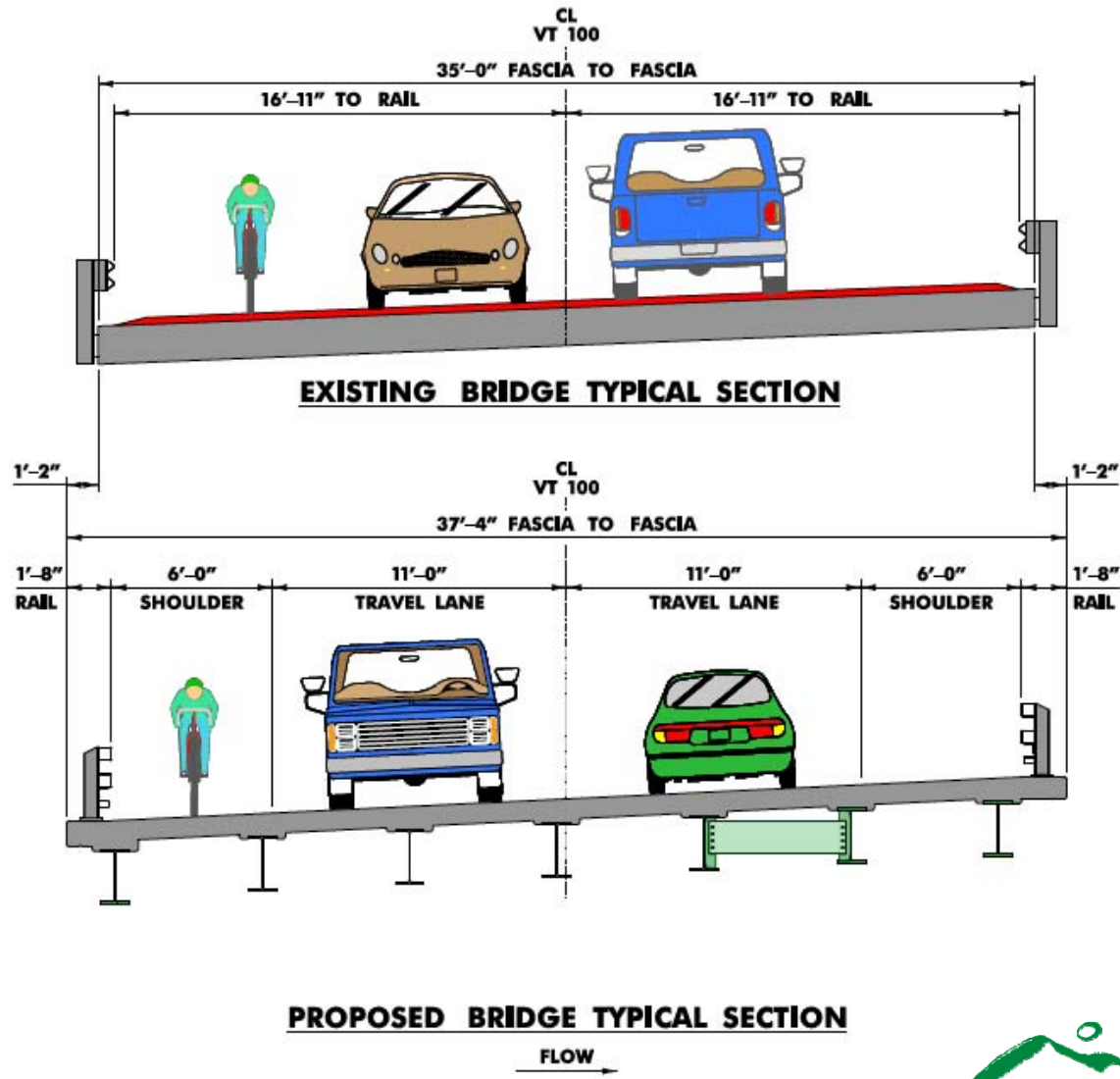


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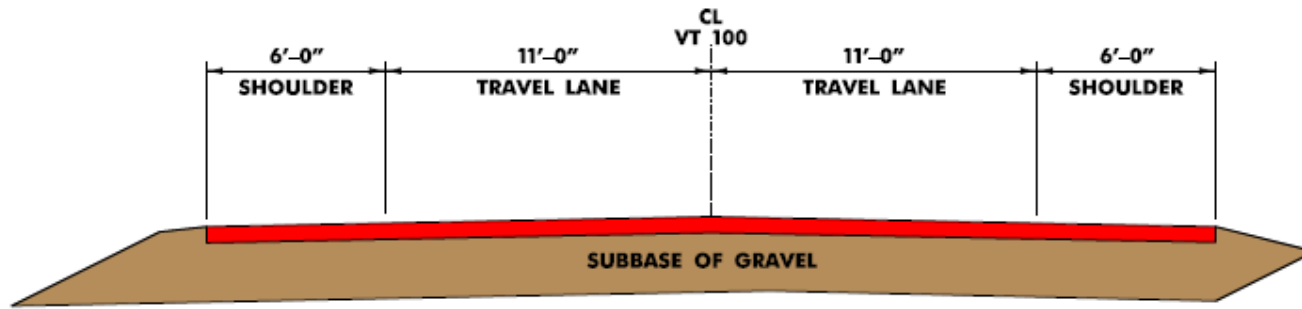
Proposed Project

- Complete bridge replacement
- Use 11' lanes and 6' shoulders (34' rail-rail width)
- Use 65' single span bridge
- Maintain existing centerline of road
- Maintain existing profile (grade) of road

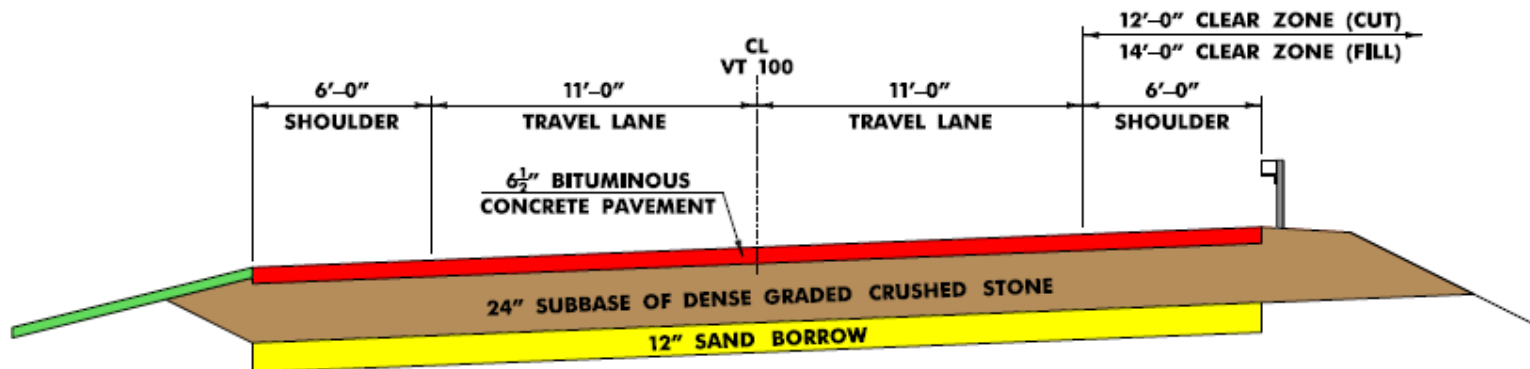
Bridge Typical



Roadway Typical

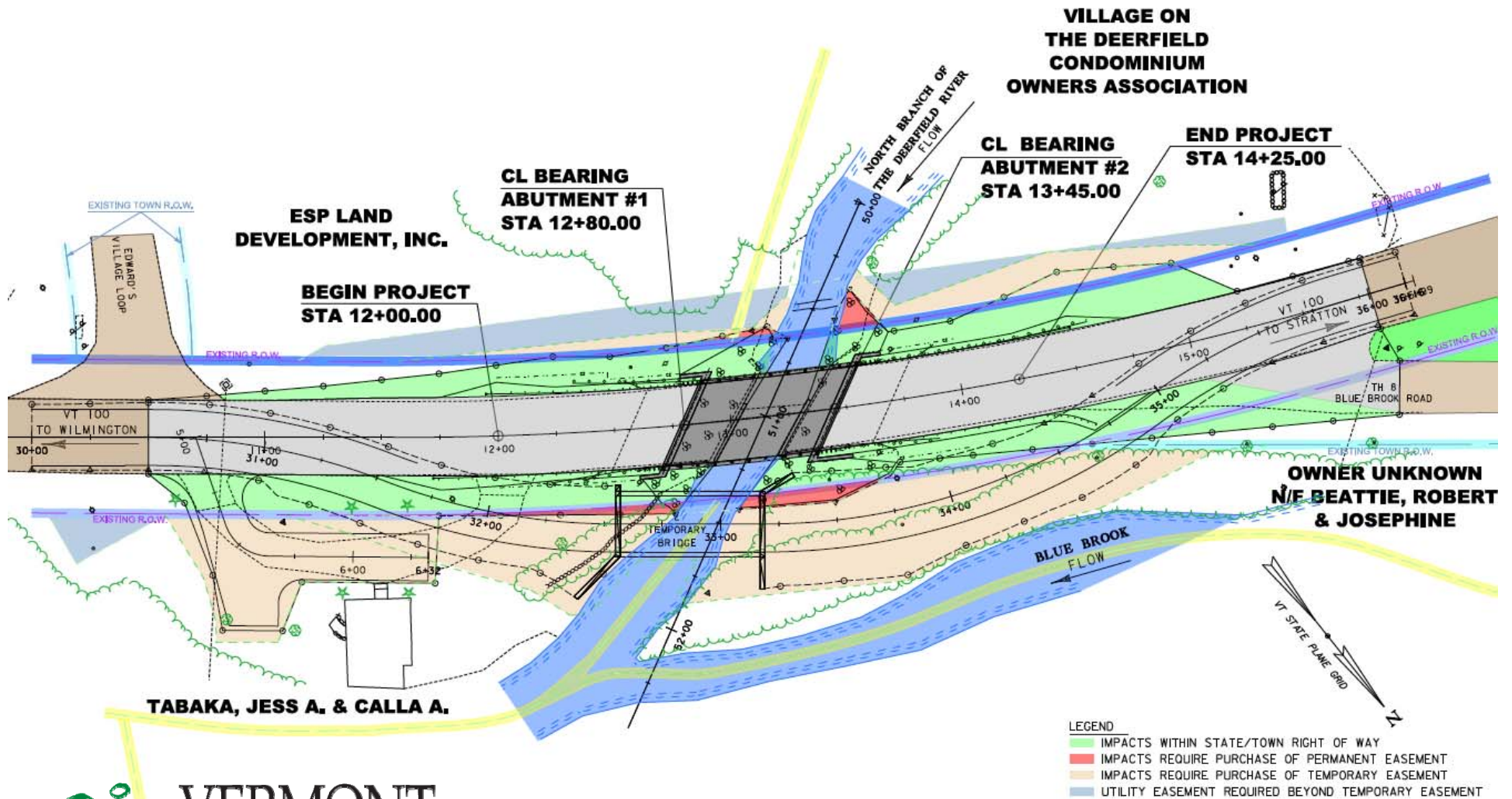


EXISTING VT 100 TYPICAL SECTION

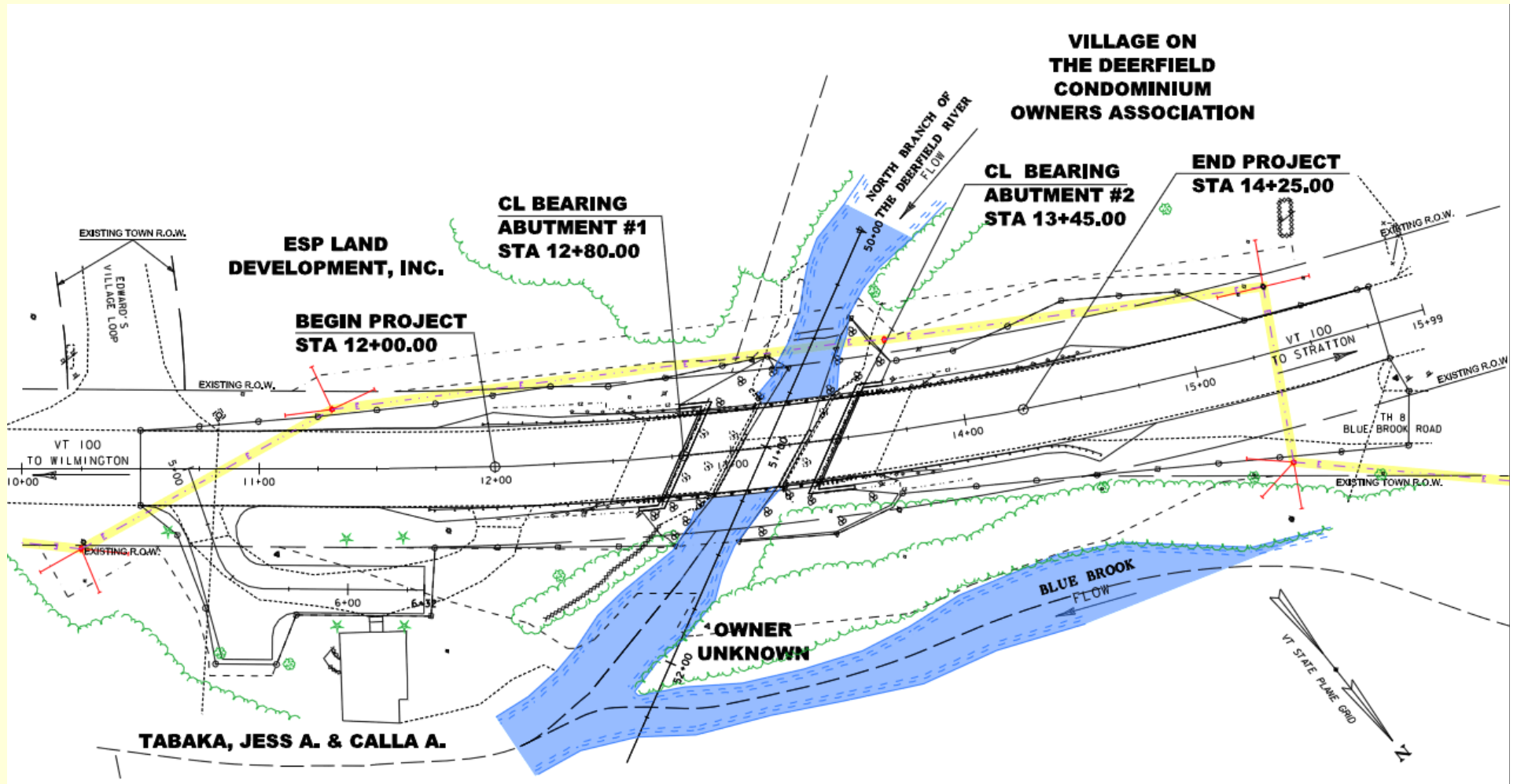


PROPOSED VT 100 TYPICAL SECTION

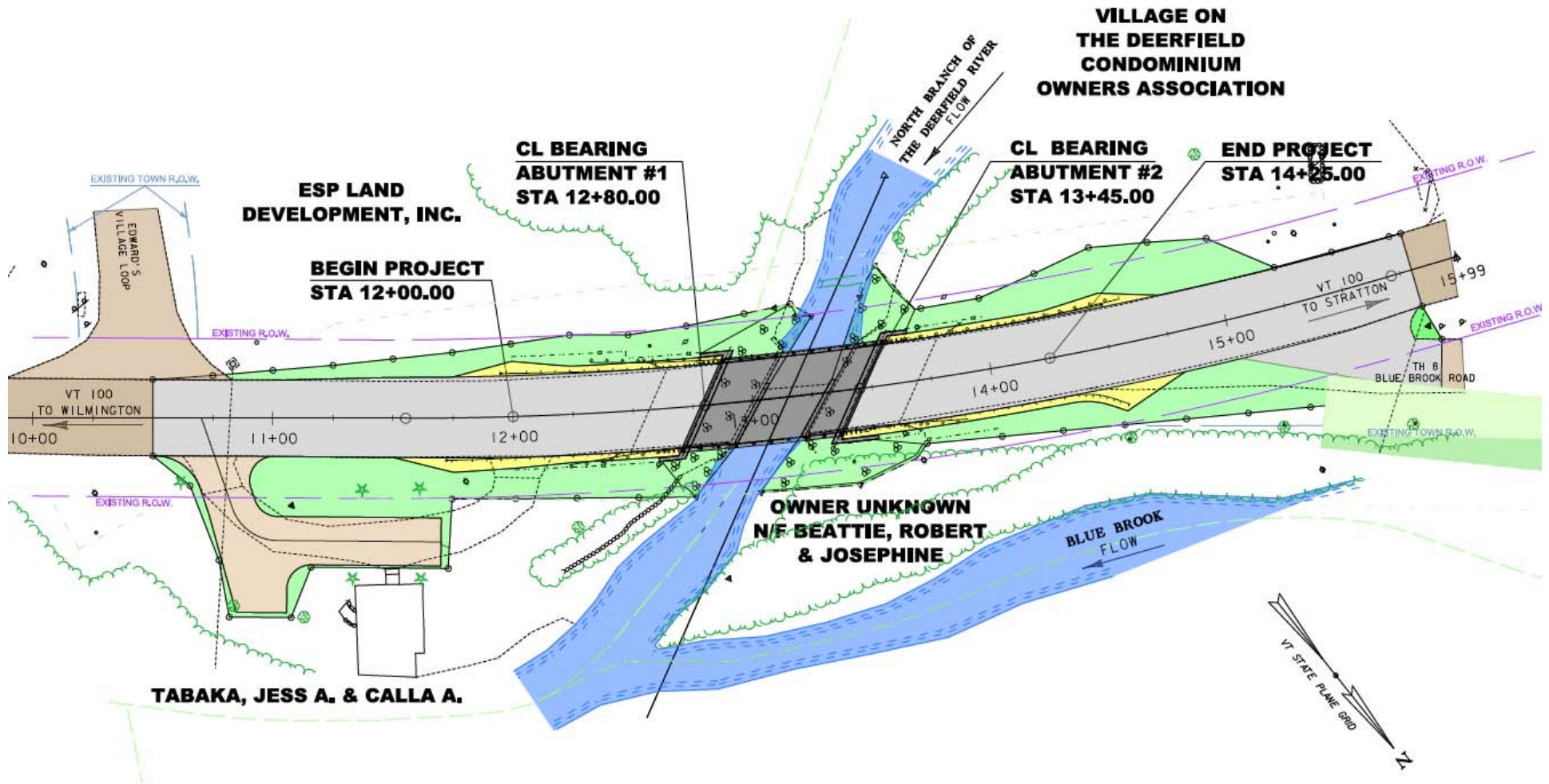
Proposed Layout showing ROW impacts



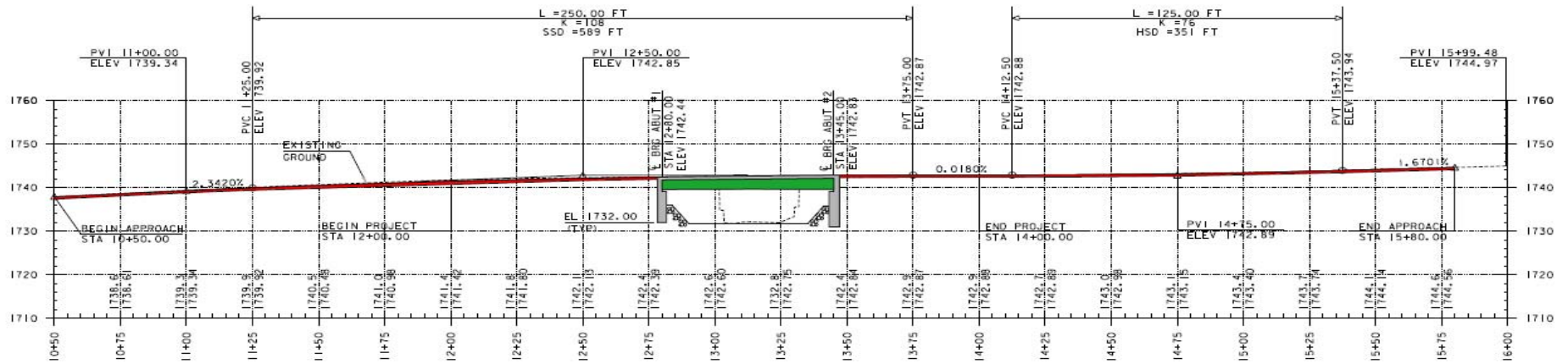
Proposed Utility Relocation



Final Conditions Layout



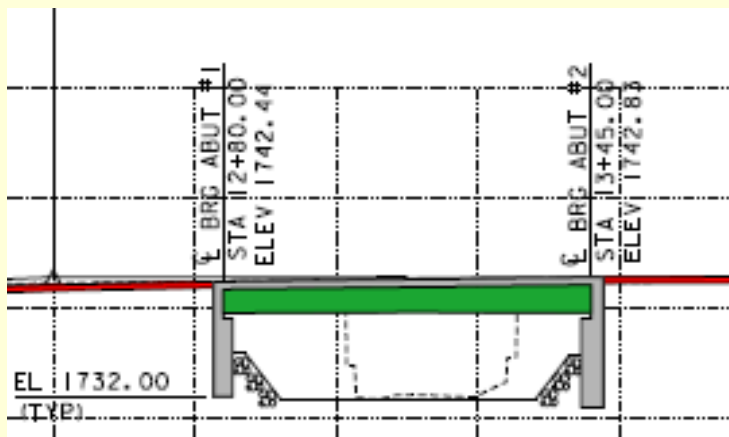
Proposed Profile



VT 100 PROFILE
 HORIZONTAL SCALE: 1" = 20'-0"
 VERTICAL SCALE: 1" = 10'-0"

NOTE:

Enlarged view of bridge



Important Issues

- ROW Acquisition
 - State to acquire the temporary and permanent easements required for the project. Delays to ROW can cause delays to project delivery, currently scheduled for 2019.
- Temporary Bridge Impacts
 - Temporary impact to property owners with a need for re-vegetation of the impacted areas. (New trees, landscaping, etc.)
- Utility Relocation
 - The existing Aerial Utility lines will be moved upstream of the existing bridge.

Scope - Cost - Schedule

The project cost and schedule can not be determined until the scope of the project is clearly defined.

Preliminary Engineering (w/ Scoping)	\$ 315,000
Right-of-Way	\$ 115,000
Construction w/ CE and Contingencies	\$1,550,000
Total	\$1,980,000

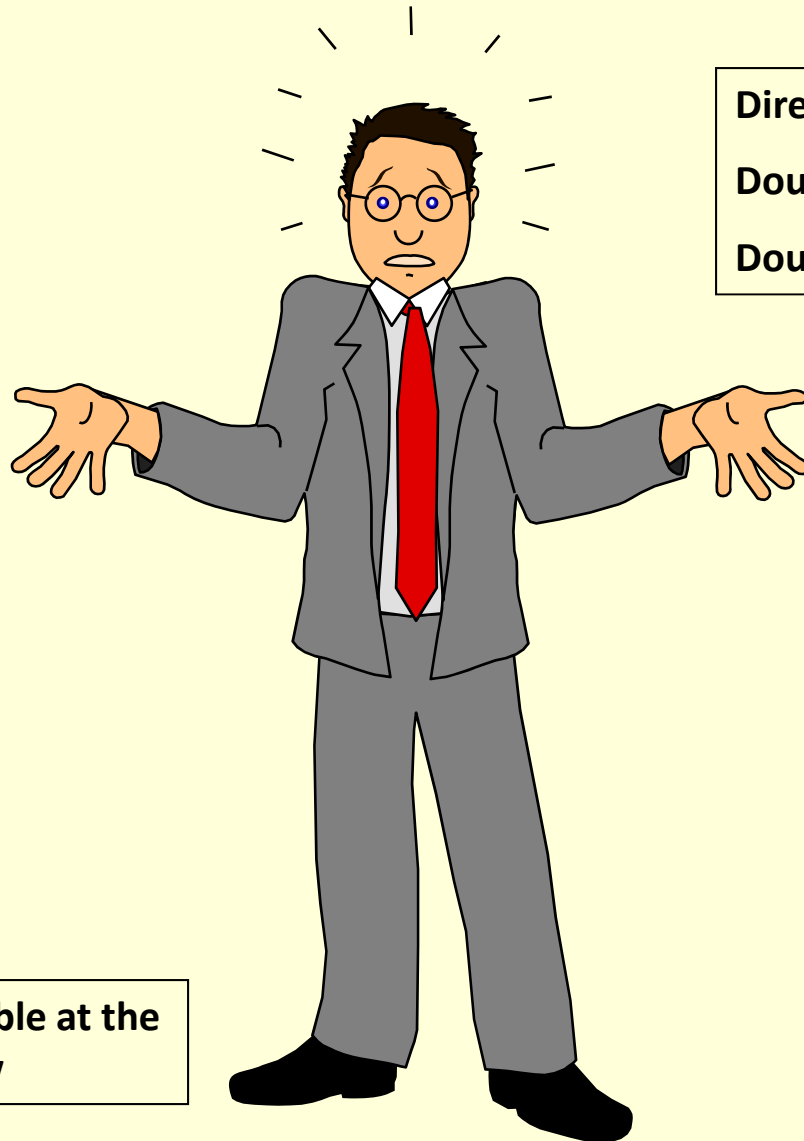
- Construction is currently scheduled for 2019
- Many factors can effect construction year
- Construction year is assuming Federal & State funding is available (project is funded 80% Fed – 20% State)

Next Steps

This is a list of a few important activities expected in the near future and is not a complete list of activities.

- Environmental permitting process
- Right-of-Way acquisition process
- Utility Relocation
- Final design details

Questions



Direct any questions to:

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This presentation is available at the
web address shown below



<https://outside.vermont.gov/agency/vtrans/external/Projects/Structures/13B058>