Huntington BF 0211(32)
Bridge 8 on Main Road (FAS Route 211) over the Huntington River
Public Informational Meeting

Presented by
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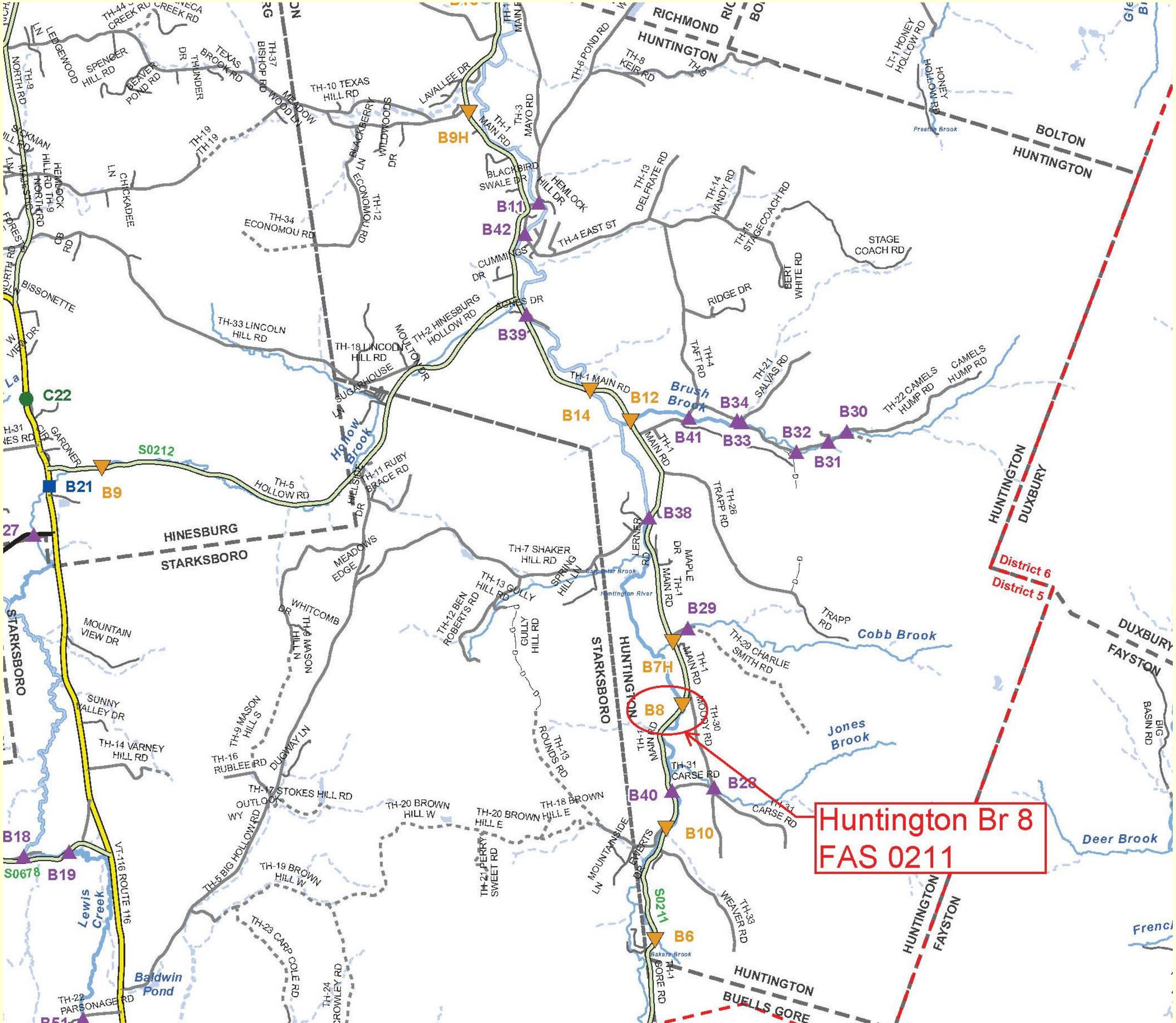
September 15, 2014

PROJECT LOCATION



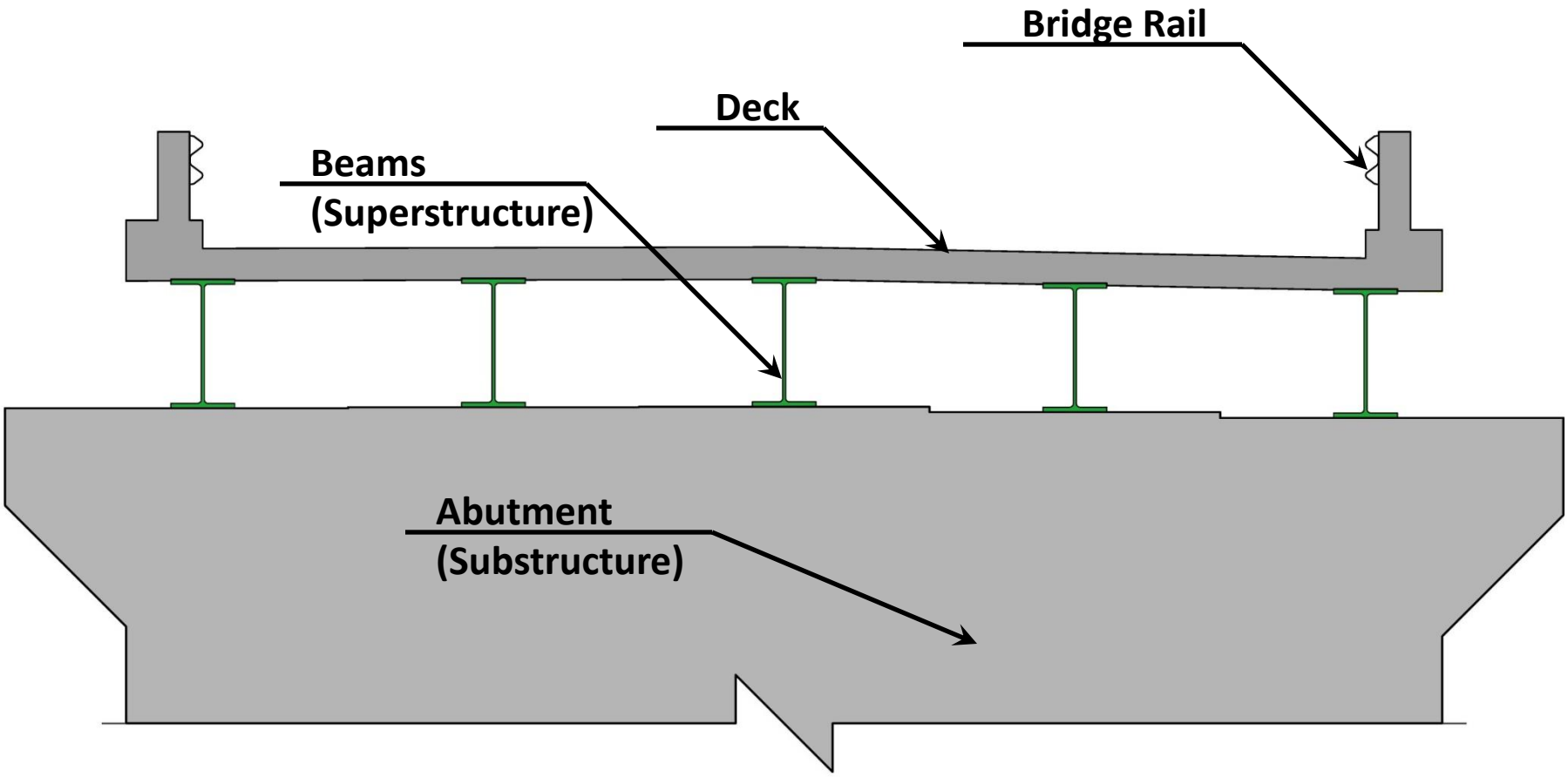
Meeting Outline

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

Purpose of Meeting

- Present the Conceptual plans
- Provide you with the chance to ask questions.
- Provide you with the chance to voice concerns
- Build consensus for the proposed project-

Description of Terms Used



Cross Section of Bridge

Project Background

- The structure is owned and maintained by the Town
- Functionally labeled as a Rural Major Collector
- Class 2 Town Highway
- Posted Speed = 45 mph (Design Speed)
- Existing bridge is a single-span rolled beam bridge with a concrete deck
- Bridge span= 63 feet
- Bridge Width = 20.5 feet
- The bridge was built in 1934 (80 years old)

Alternatives Study

- Scoping Report developed to consider alternatives
- Alternatives presentation meeting held 4/7/14
- Town agreed with recommendation on 5/8/14
- Plan development proceeded based on this recommendation

Traffic Data

	“Current Year” 2016	“Design Year” 2036
Average Annual Daily Traffic	**1,100**	**1,200**
Design Hourly Volume	**150**	**160**
Average Daily Truck Traffic	**85**	**120**
%Trucks	**9.8**	**12.9**

EXISTING BRIDGE DEFICIENCIES

Inspection Rating Information (Based on a scale of 9)

Bridge Deck Rating	**5 Fair**
Superstructure Rating	**5 Fair**
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 too narrow based on the design speed, traffic volume and classification of road**
- **The deck is only rated fair with significant deterioration at the fascias**
- **The horizontal and vertical alignments are substandard**

Looking north over Bridge

Looking south over Bridge

North Abutment

South Abutment

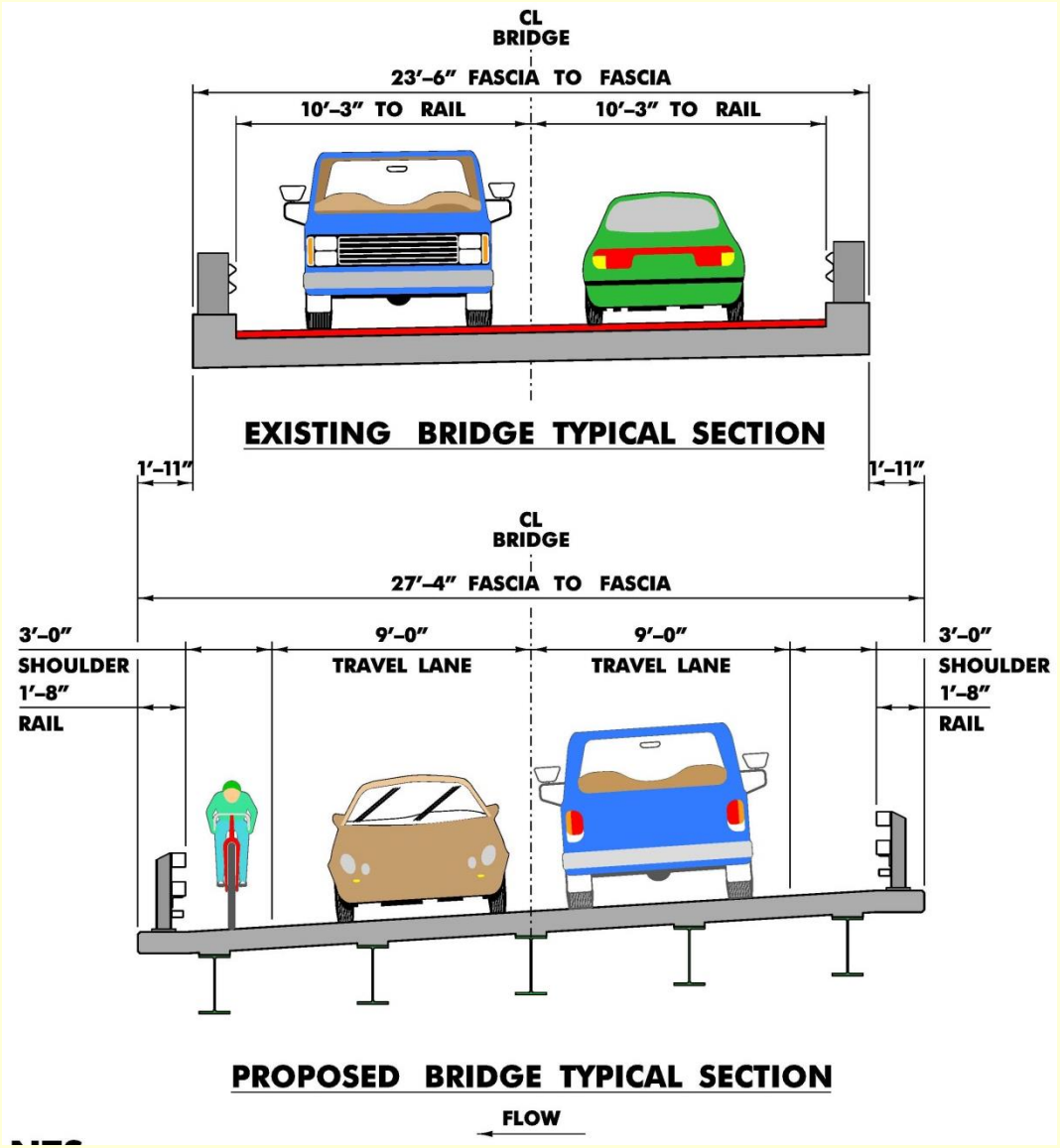
Downstream Fascia

Section Loss in Beams

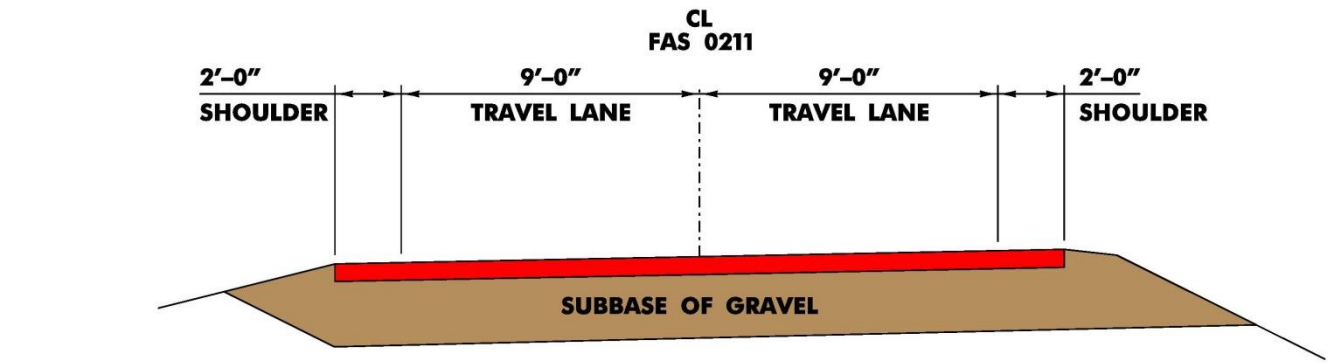
Proposed Project Details

- Complete bridge replacement
- 121’ span curved bridge
- 24’ width between face of railing (3’-9’-9’-3’)
- Modify the centerline of road by flattening curve
- Raise grade (elevation) of road to improve vertical alignment
- Superstructure would be cast in place due to curve
- Abutments would be prefabricated concrete on a single row of steel piles (Integral abutment)

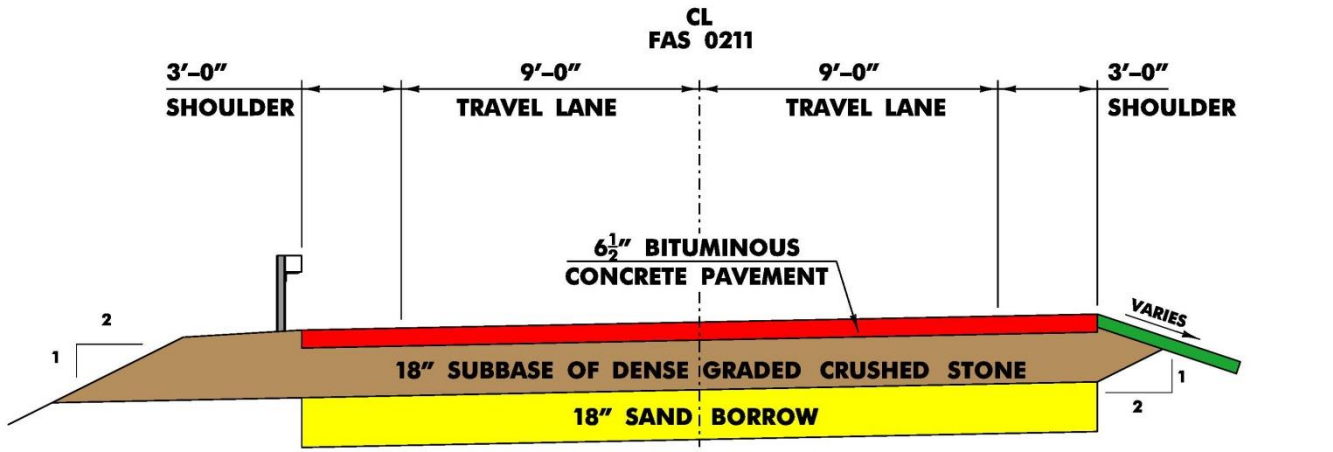
Proposed Bridge Typical Sections



Proposed Roadway Typical Section

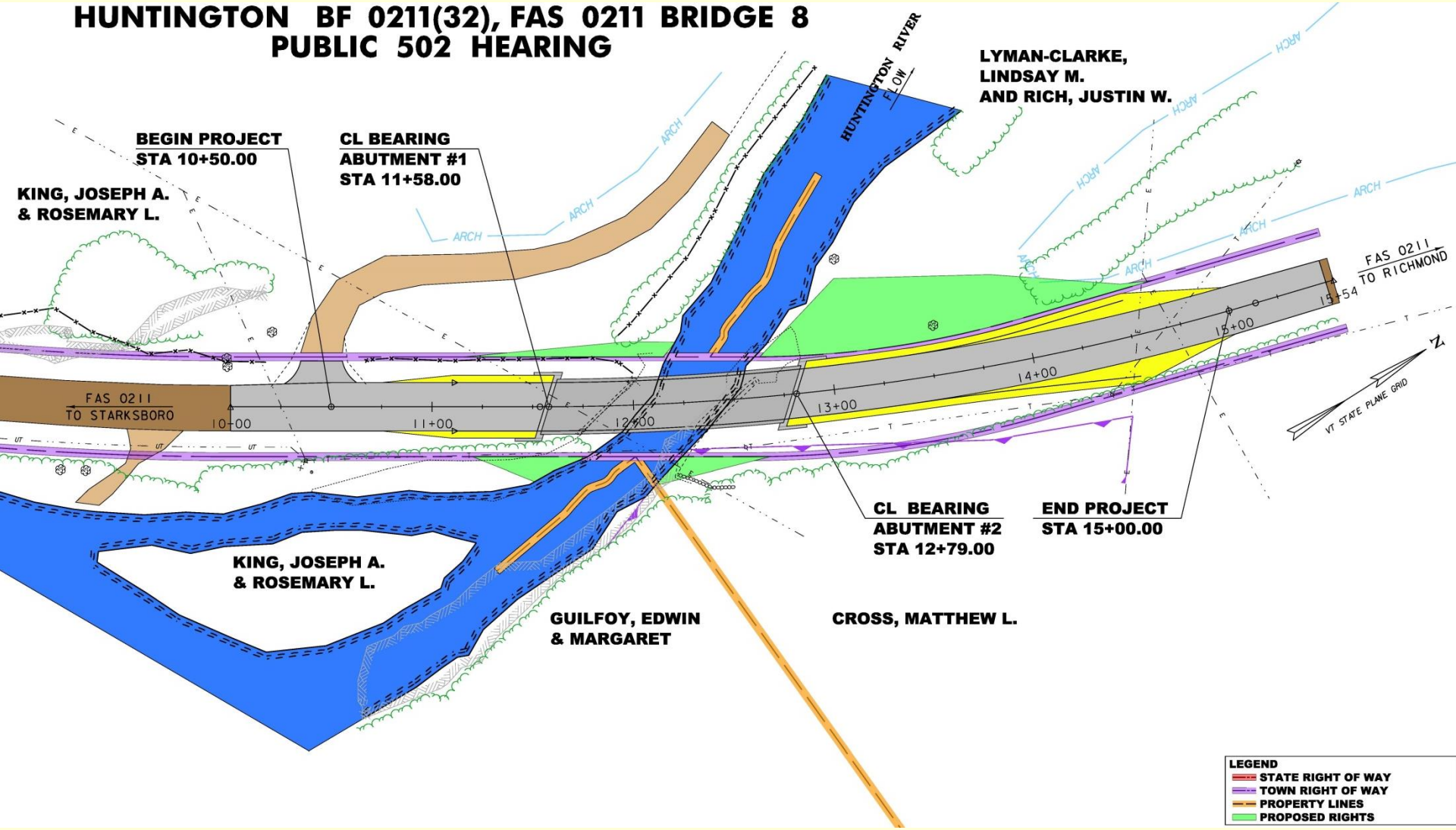


EXISTING FAS 0211 TYPICAL SECTION

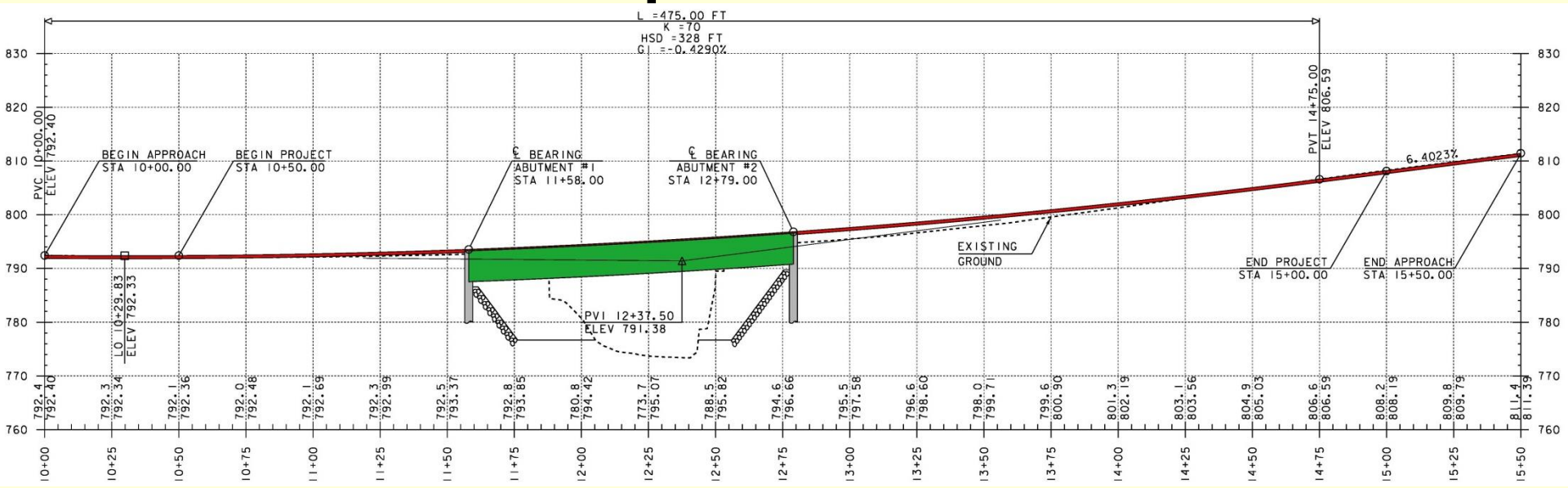


PROPOSED FAS 0211 TYPICAL SECTION

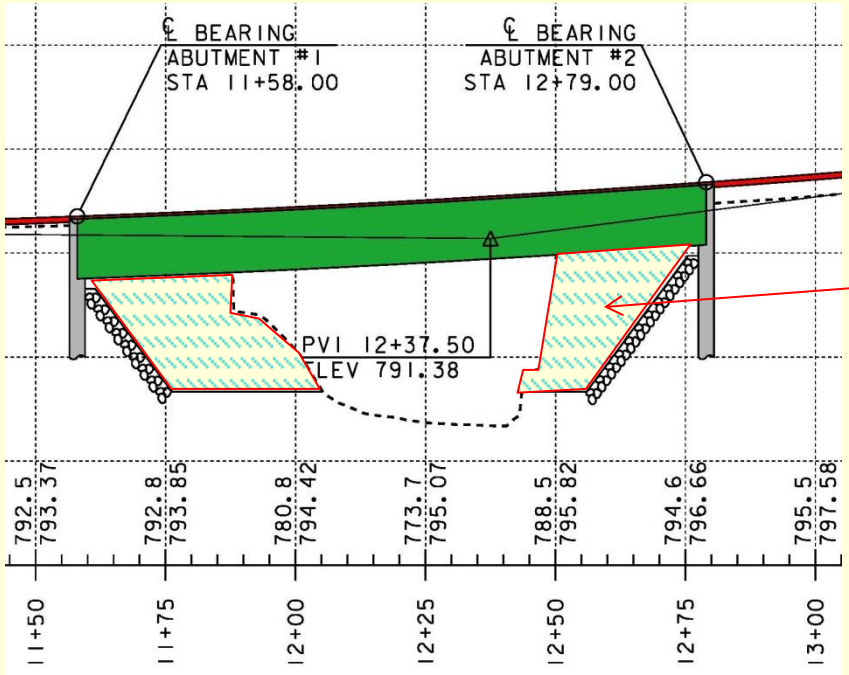
Proposed Layout



Proposed Profile



Enlarged view of bridge

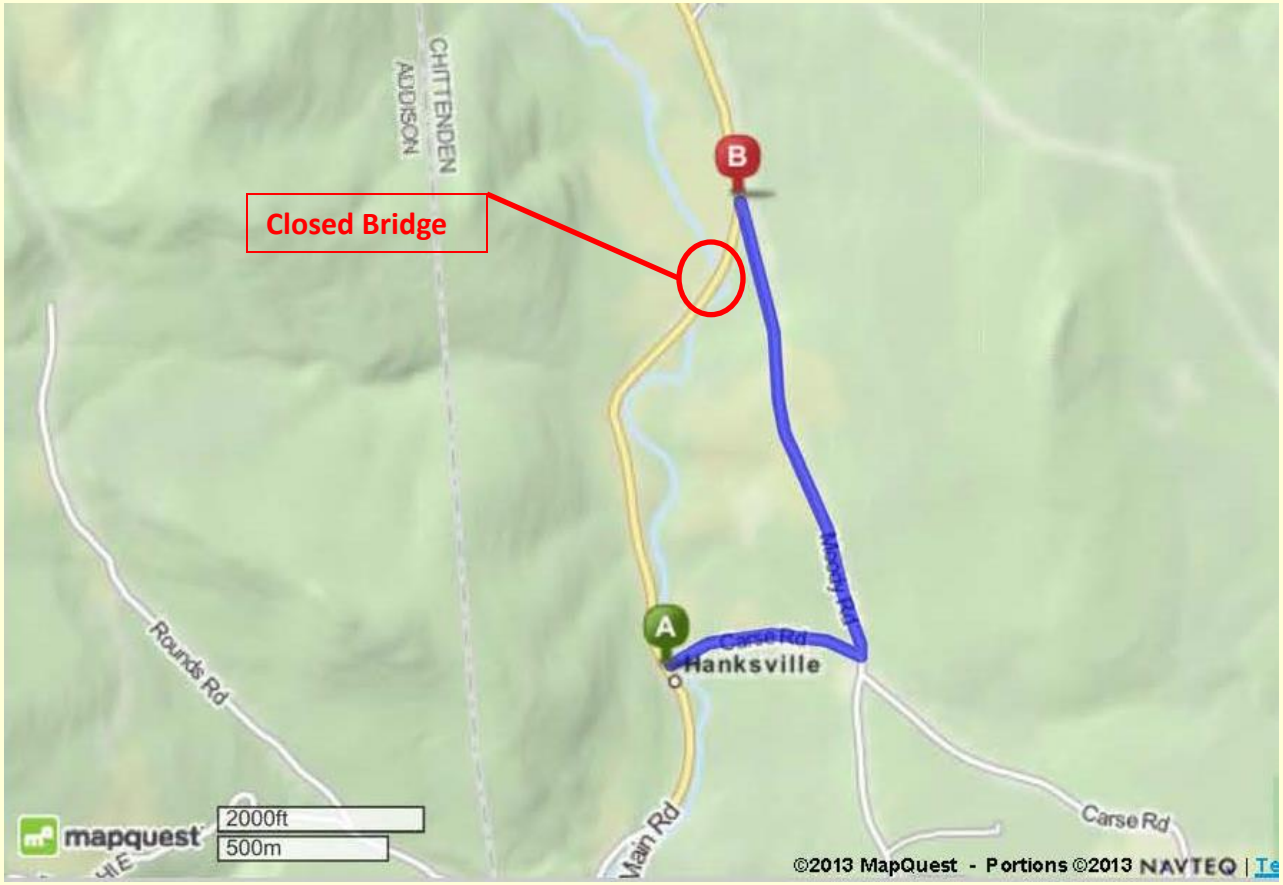


Additional Hydraulic Capacity

Traffic Maintenance

- Short term bridge closure with detour
- Bridge 8 to be closed for 8 weeks (maximum)
- Allow 24/7 construction during bridge closure
- Contract incentives/dis-incentives to encourage contractor
- Community would have input on time of closure (between June 1 and September 1)
- Town will be responsible for detour route
- Public Outreach to provide advance notice for planning
- Local share will be cut in half (10% reduced to 5%)

Possible Detour Route



A to B on Thru Route: 1.0 Miles

A to B on Detour Route: 1.3 Miles

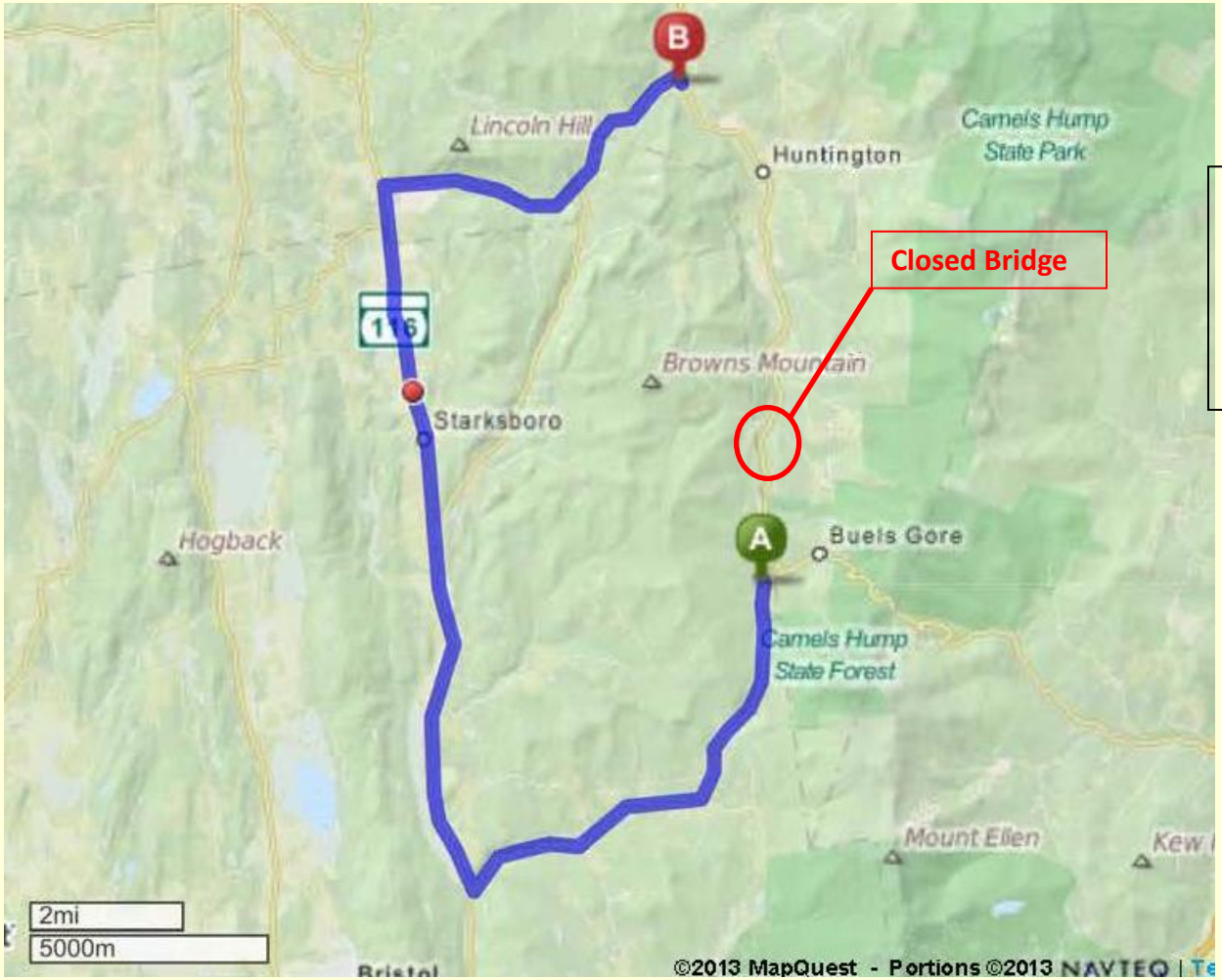
Added Miles: 0.3 Miles

End to End Distance: 2.3 Miles

There are narrow bridges along this detour route

Carse Road to Moody Road

Possible Detour Route



A to B on Thru Route: 8.0 Miles

A to B on Detour Route: 22.0 Miles

Added Miles: 14.0 Miles

End to End Distance: 30.0 Miles

This would require getting agreements from neighboring towns and for any signing along the State-owned routes

VT 17 to VT 116 to Hollow Road

Scope - Cost - Schedule

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

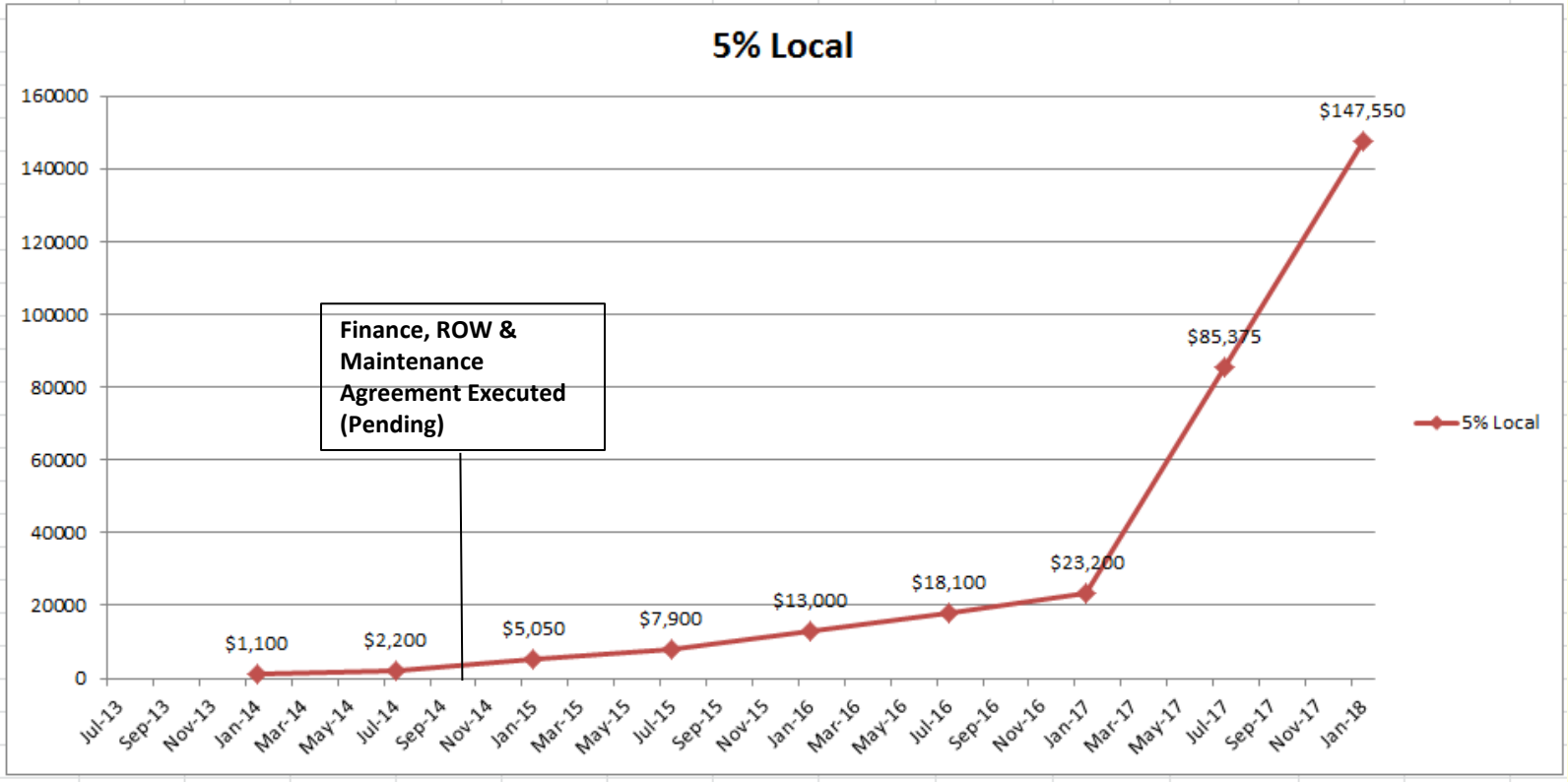
Preliminary Engineering (incl. Scoping)	$ 335,000
Right-of-Way	$ 135,000
Construction w/ CE and Contingencies	$2,487,000
Total	$2,957,000

- Construction is currently scheduled for 2017
- Many factors can effect construction year
- Project is funded 80% Fed – 15% State – **5% Local**
- Construction year is assuming Federal & State funding is available

Local Spending Profile

This is a planning tool to help give some idea of when and how much town funds will be required. **This is approximate only and based on several assumptions.**

	Jul-13	Jan-14	Jul-14	Jan-15	Jul-15	Jan-16	Jul-16	Jan-17	Jul-17	Jan-18
Scoping	$0	$22,000	$44,000	$44,000	$44,000	$44,000	$44,000	$44,000	$44,000	$44,000
PE			$0	$57,000	$114,000	$171,000	$228,000	$285,000	$285,000	$285,000
ROW					$0	$45,000	$90,000	$135,000	$135,000	$135,000
CONST								$0	$1,243,500	$2,487,000
Totals	$0	$22,000	$44,000	$101,000	$158,000	$260,000	$362,000	$464,000	$1,707,500	$2,951,000
5% Local		$1,100	$2,200	$5,050	$7,900	$13,000	$18,100	$23,200	$85,375	$147,550

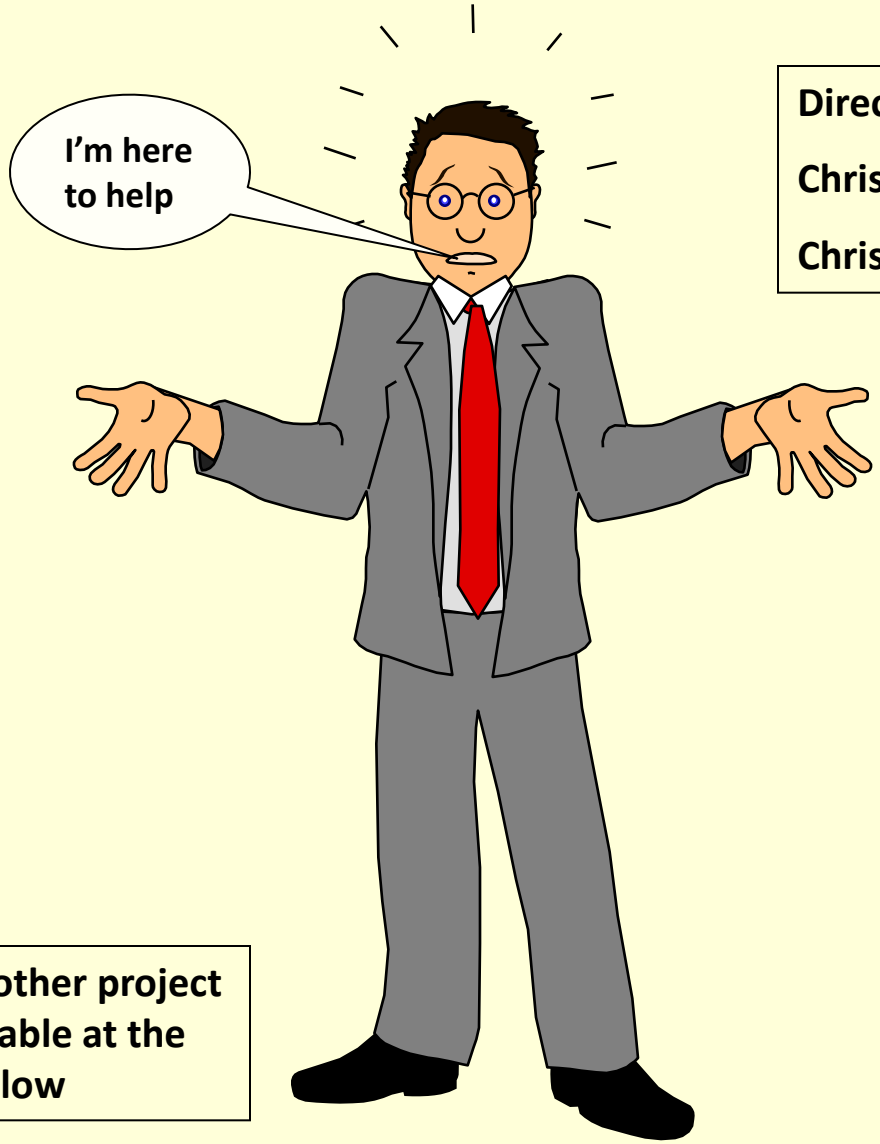


Next Steps

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

- Wait for approval from Town to allow to proceed
- Consider public comments on Conceptual plans
- PROJECT DEFINED - Milestone
- Develop Preliminary Plans
- Environmental permitting
- Right-of-Way process
- Consider Town involvement in Right-of-Way process??
- Utility relocation process

Questions



Direct any questions to:

Christopher P. Williams, P.E.

Chris.Williams@State.VT.US

This presentation and other project documentation is available at the web address shown below

https://outside.vermont.gov/agency/vtrans/external/Projects/Structures/13J080