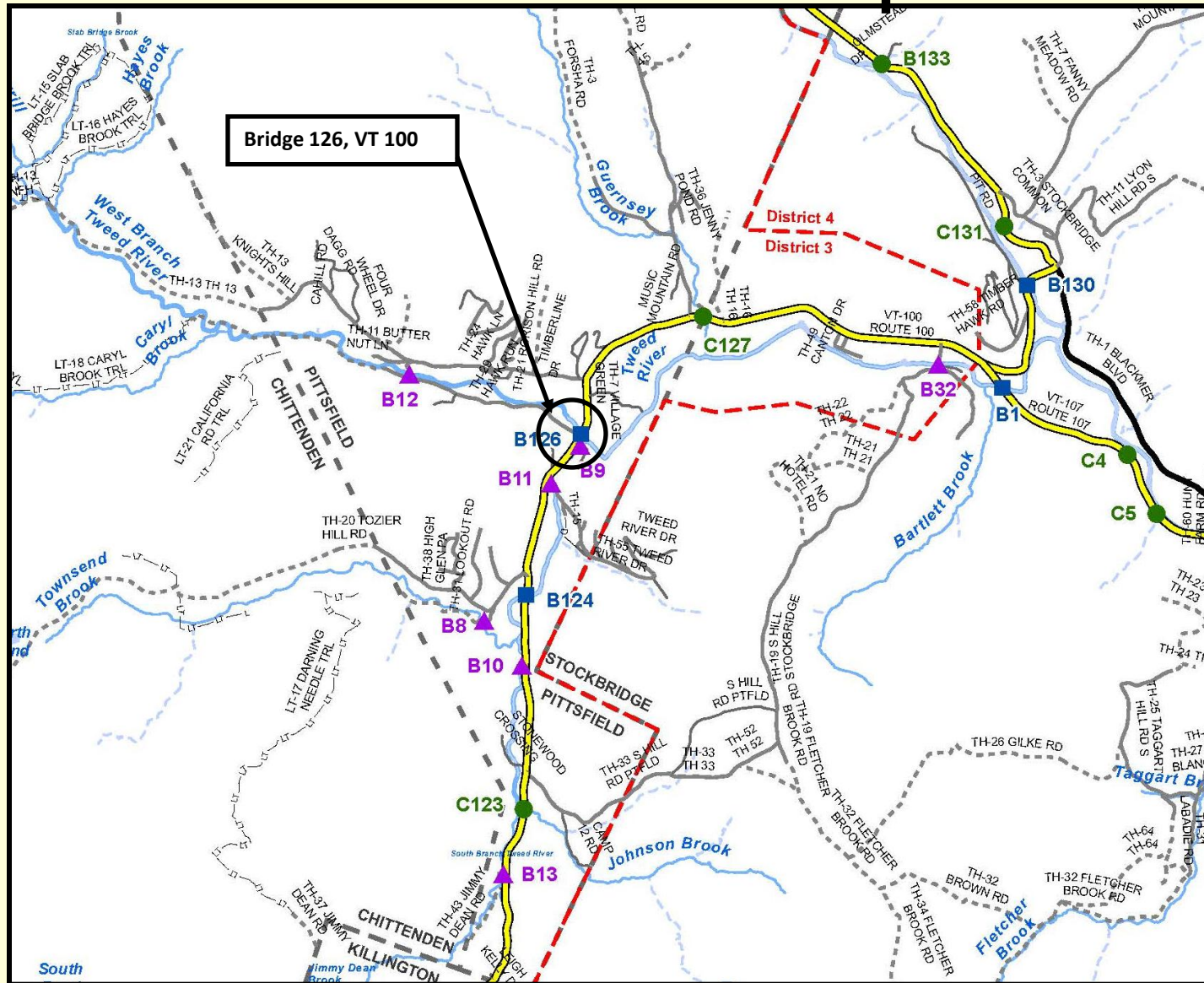


Pittsfield BHF 022-1(24)
Bridge 126 on VT 100
Over the W. Branch of the Tweed River
Public 502 Informational Hearing



Location Map



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-

Phases of Development

Project
Funded

Project
Defined

Contract
Award

Project Definition

Project Design

Construction

Identify resources &
constraints

Evaluate alternatives

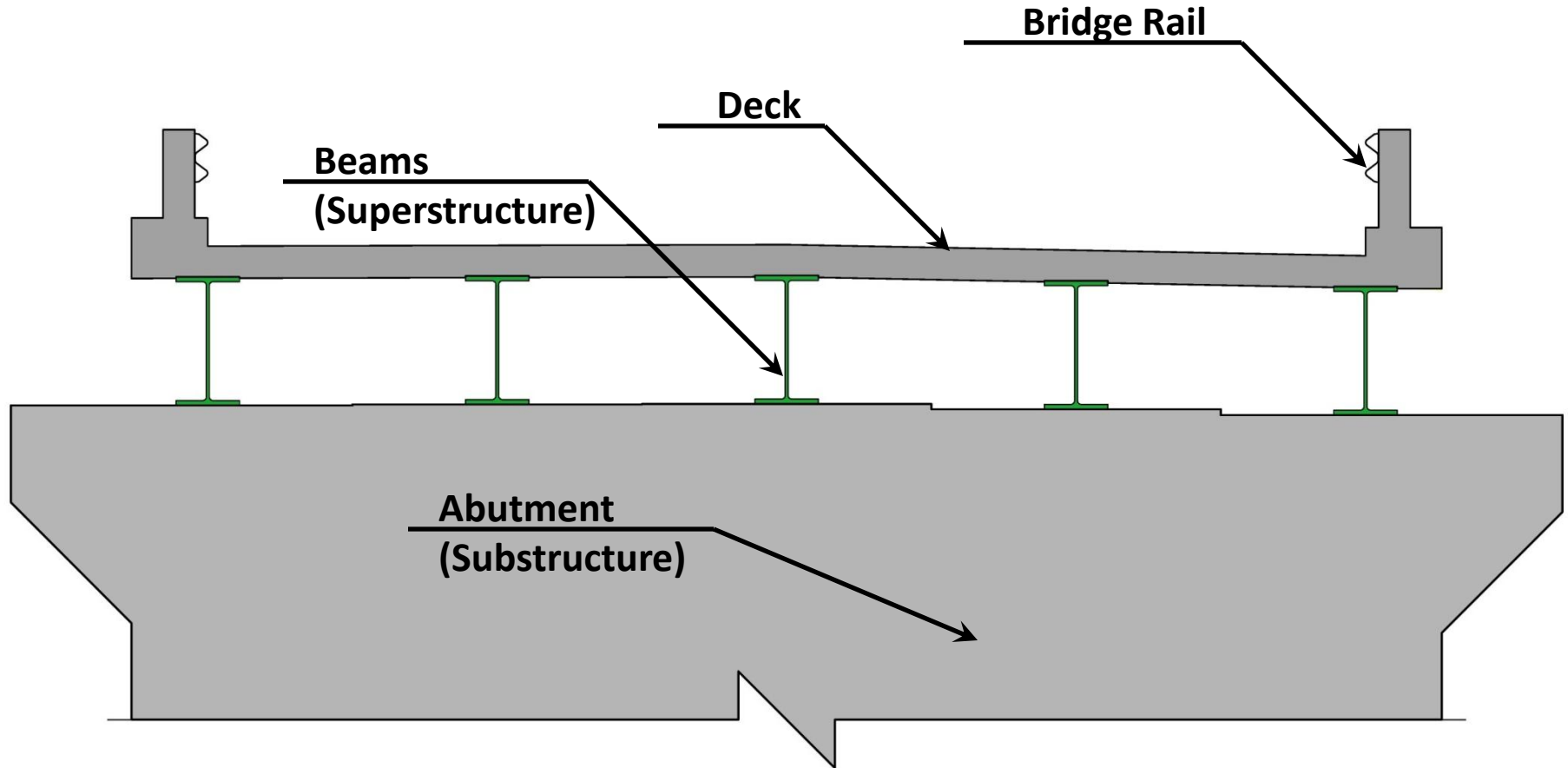
Public Participation

- Quantify areas of
impact

- Environmental
permits

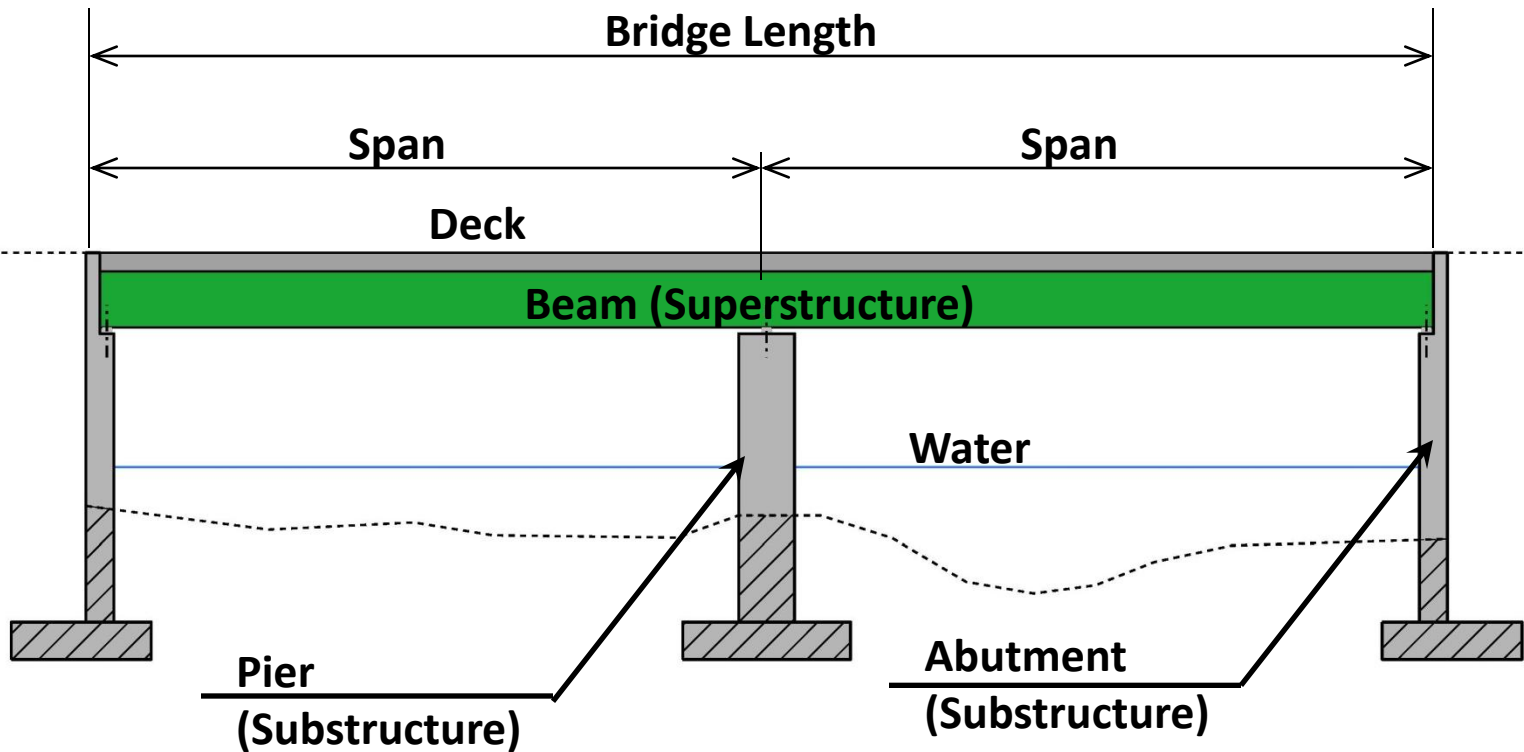
- Develop plans,
estimate and
specifications

Description of Terms Used



Cross Section of Bridge

More Terms Used



Elevation View of Bridge

Project Background

- **Priority 20** in the State Bridge Program
- The structure is owned and maintained by the State (no local funds)
- VT 100 functional classification is **Rural Minor Arterial**.
- Existing bridge is a 2 span concrete T-beam bridge
- Span lengths are 28'-28' (56' overall)
- Bridge width = 30.4' curb-curb w/ 5' sidewalk
- Built in **1932 (81 years old) – widened in 1970**
- Bridge is structurally deficient and has a Federal sufficiency rating of **52.9 (out of 100) -**

Project Background (Cont)

- Traffic Data

TRAFFIC DATA	2014	2034
AADT	3,300	3,500
DHV	370	390
ADTT	360	550
%T	8.3	11.9

- Posted Speed Limit = 35 mph

EXISTING BRIDGE DEFICIENCIES

Inspection Report Information (Based on a scale of 9)

Bridge Deck Rating 4 Poor

Superstructure Rating 5 Fair

Substructure Rating 5 Fair

Deficiencies

Structural Capacity/Condition of the Bridge Deck

Hydraulically inadequate and considered scour critical

Bridge Looking North



Deck Surface



Underside of Deck



Upstream Fascia



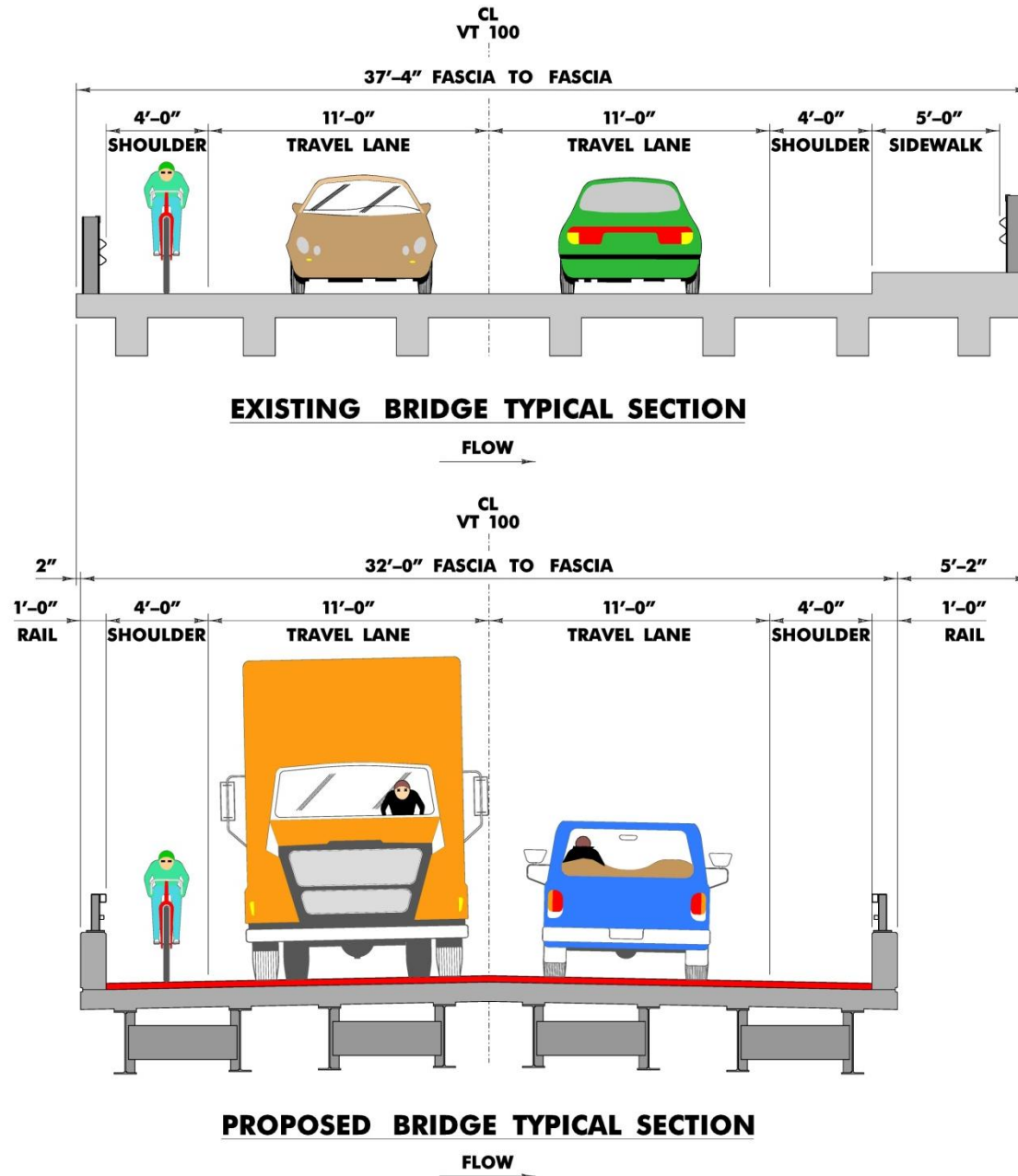
South Abutment



Proposed Project

- Complete bridge replacement warranted
- Use 11' lanes and 4' shoulders (30' rail-rail width)
- Eliminate sidewalk and use shared use shoulders
- Use 70' single span bridge
- Maintain existing centerline of road
- Maintain vertical grade of road-

Proposed Bridge Typical



Bridge Sidewalk Discussion

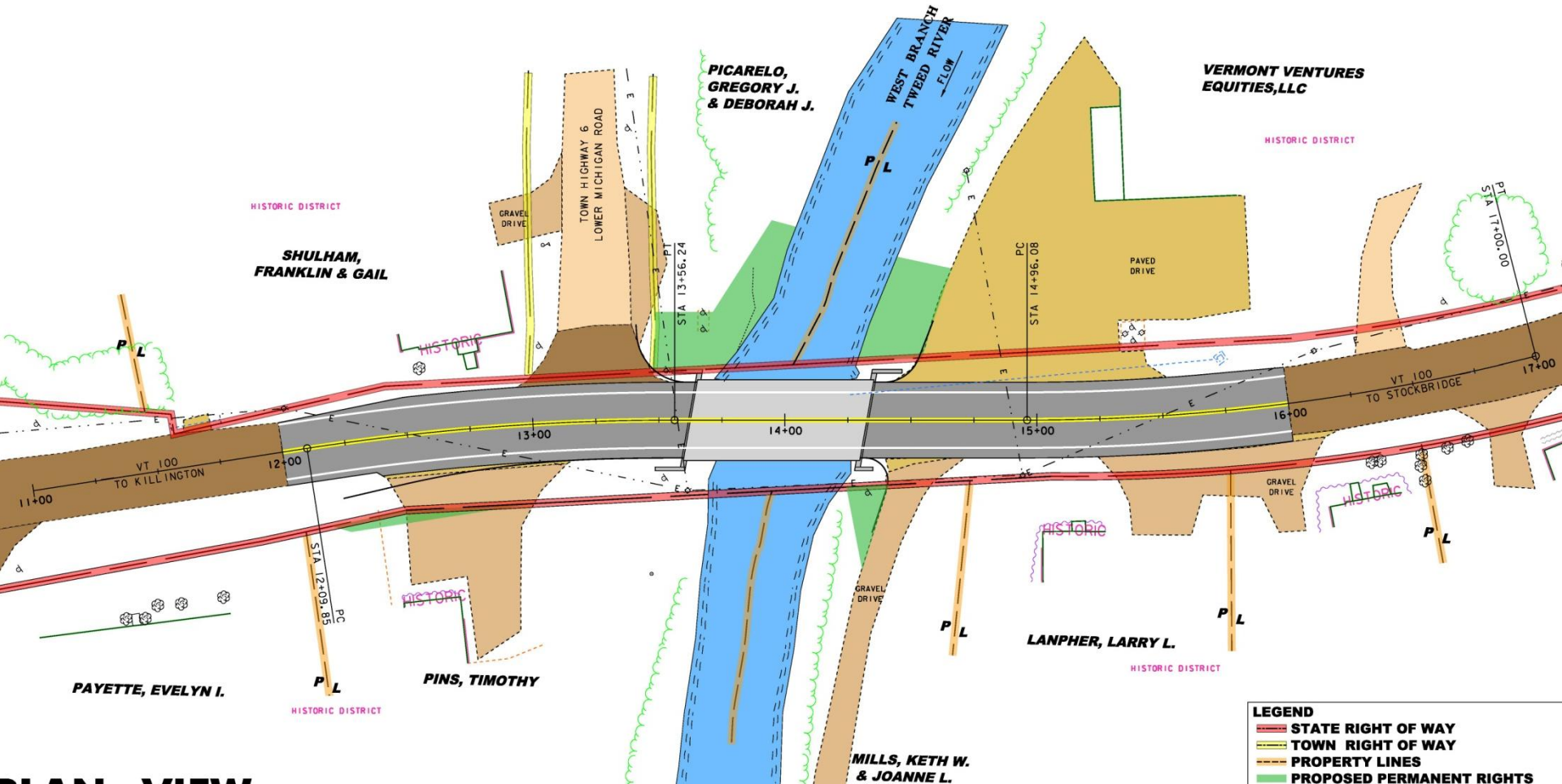
Rationale for elimination of Bridge Sidewalk

- Proposed 4' shoulders are appropriate for shared use
- Bridge sidewalks not maintained by State and would require Maintenance agreement w/ Town
- No sidewalks leading to and from bridge
- Shoulders allow movement on both sides of road

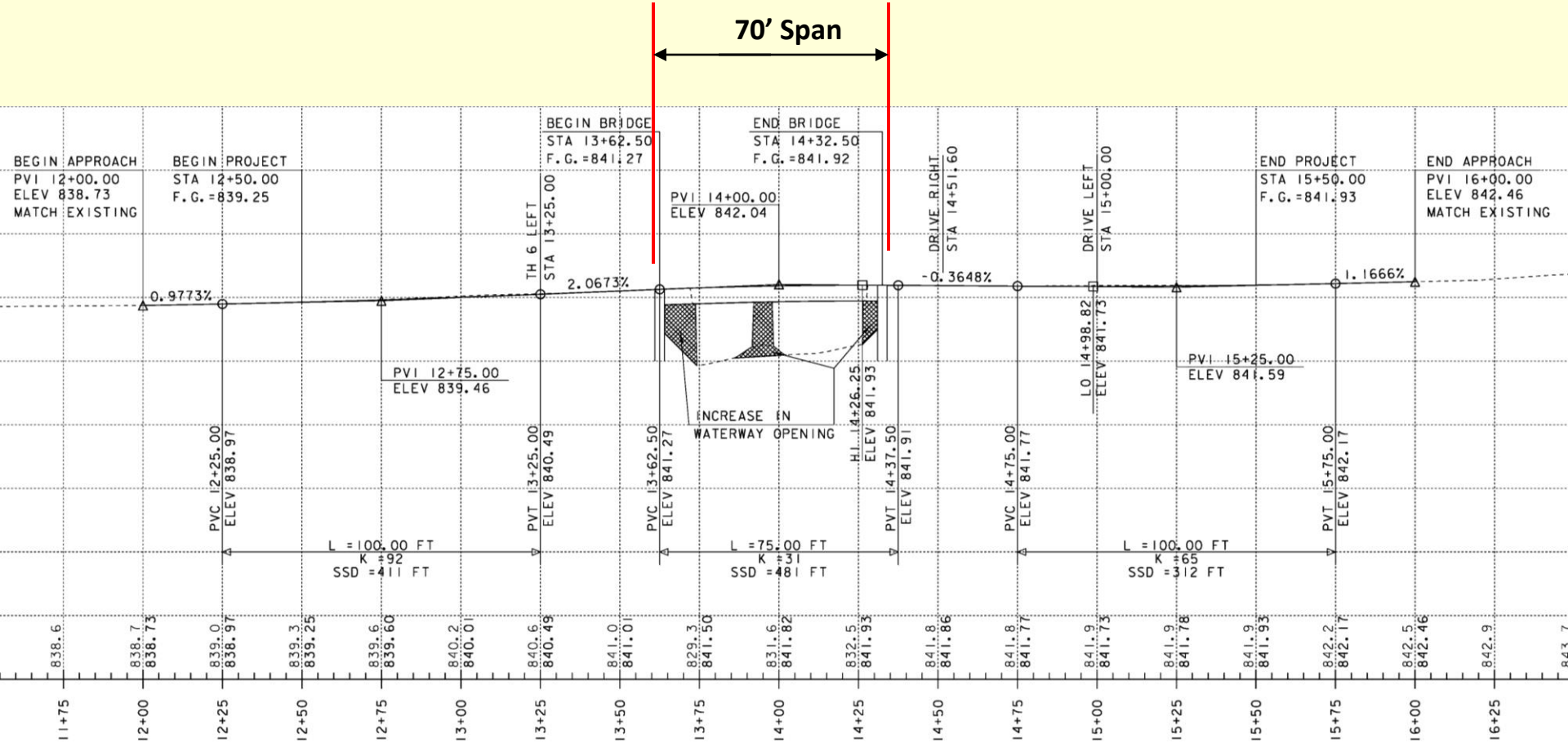
Bridge Railing Pictures



Layout of Proposed Bridge



Profile of Proposed Bridge



PROFILE ALONG VT 100

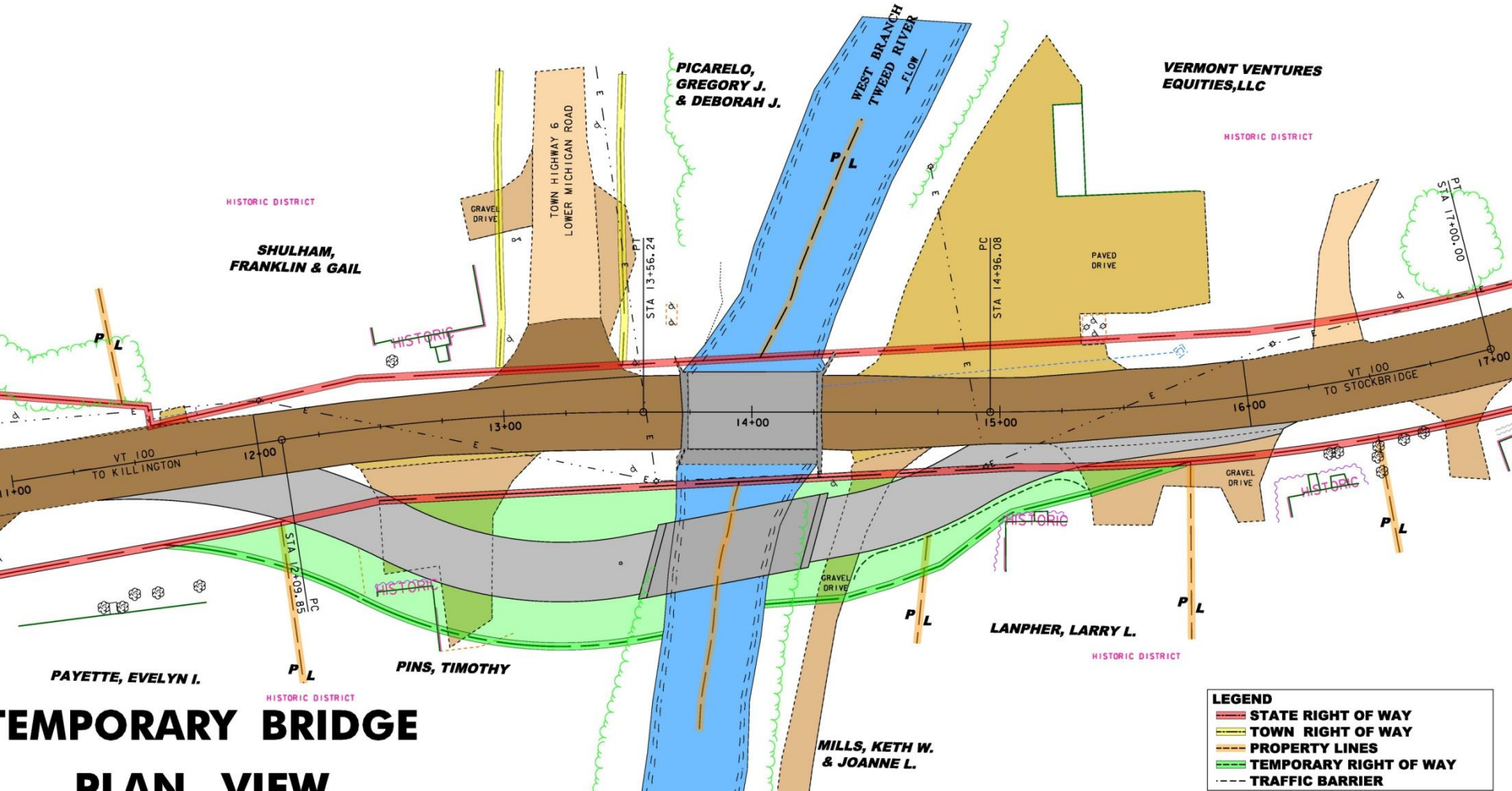
HORIZONTAL SCALE: 1" = 20' - 0"
 VERTICAL SCALE: 1" = 10' - 0"

Hydraulic Opening Discussion

Proposed Hydraulic Opening

- Meeting the hydraulic standard would require raising roadway by 4.5' and would create “dam” in road
- Raising the grade would extend project limits along road
- Meeting standard would severely impact Historic District
- Minimal raising of grade produces only minimal increase in hydraulic capacity
- Proposed bridge improves hydraulics and balances issues

Two-Way Temporary Bridge



TEMPORARY BRIDGE
PLAN VIEW

Scope - Cost - Schedule

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

Preliminary Engineering	\$ 350,000
Right-of-Way	\$ 150,000
Construction w/ CE and Contingencies	\$1,500,000
Total	\$2,000,000

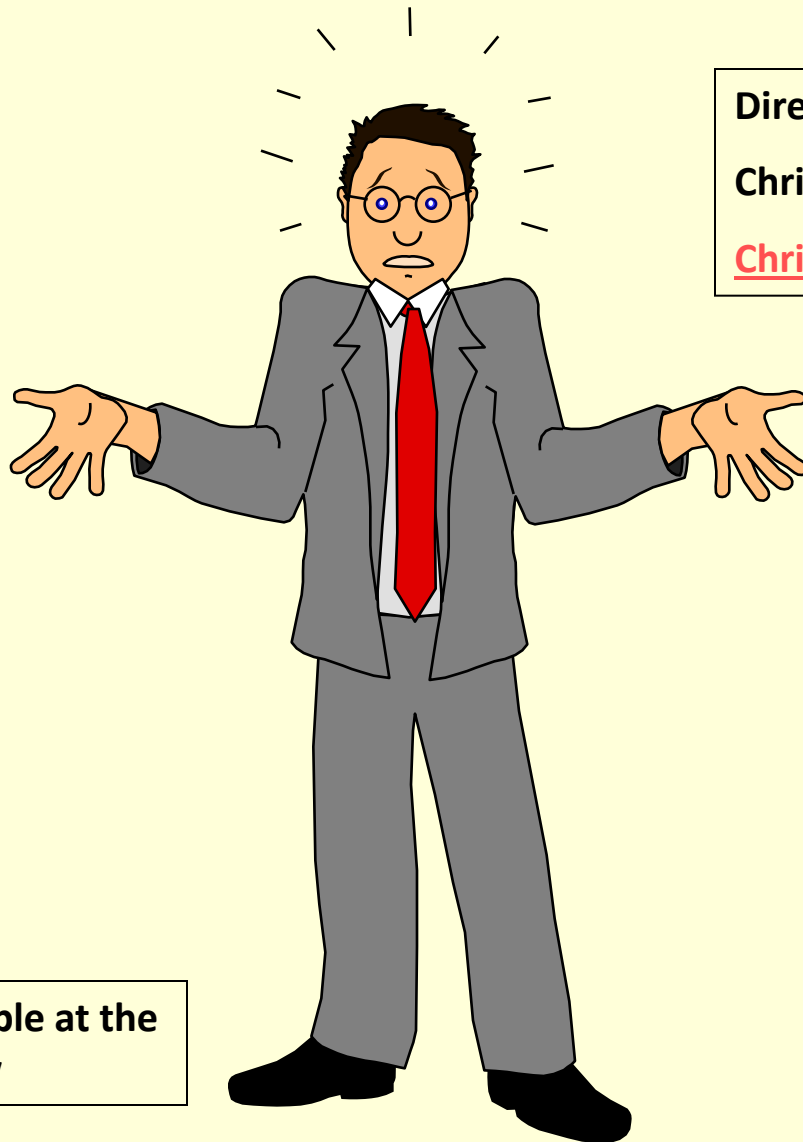
- Construction is currently scheduled for 2018
- Many factors can effect construction year
- Construction year is assuming Federal & State funding is available (project is funded 80% Fed – 20% State)

Next Steps

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

- Consider comments received at Public Meeting
- Provide written response to Town with decisions
- Develop Preliminary Plans
- Environmental permitting process
- Utility relocation routing
- Meet with adjacent property owners
- Right-of-Way acquisition process
- Final design details

Questions



Direct any questions to:

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Chris.Williams@State.VT.US

This presentation is available at the
web address shown below

<https://outside.vermont.gov/agency/vtrans/external/Projects/Structures/10B416>