Town of Brandon
US Route 7 over the Neshobe River
Bridge 114
Local Concerns Meeting
December 8, 2014

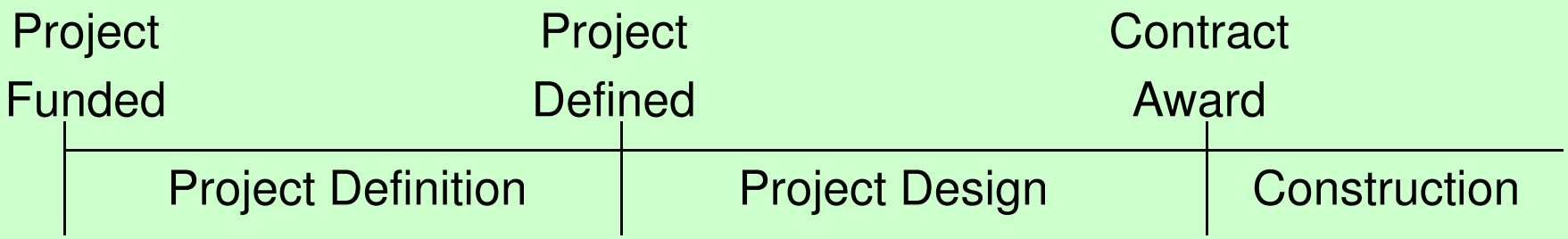
Meeting Outline

- Purpose of the Meeting
- Project Development Process
- Project Background/History
- Existing Bridge Deficiencies
- Project Goals
- Input/Questions from Town

Purpose of Meeting

- Local Concerns Meeting
- Present existing conditions and deficiencies
- Present goals of bridge project
- Gain public input on project and potential impacts
- Provide you with the chance to ask questions.
- Provide you with the chance to voice concerns
- Purpose and Need developed after input received

Phases of Development



Purpose and Need

Identify resources & constraints

Evaluate alternatives

Public Participation

- Quantify areas of impact
- Environmental permits
- Develop plans, estimate and specifications

Project Background/History

- In 2010 the Town asked CLD Engineers to inspect and prepare a report of bridge rehabilitation options.
- Bridge and US 7 overtopped during Tropical Storm Irene
- In 2011, after Tropical Storm Irene, emergency repairs were performed to the downstream end of the bridge.
- Bridge project was included in VTrans Local Transportation Facilities program.
- In February 2013, historic report concluded bridge and concrete sidewalk structure are historic.

Project Background/History Con't

- In June 2013, a hydraulic analysis of the bridge and upstream buildings was performed. Concluded that upstream buildings cause the constriction that results in flooding not the bridge.
- Rehabilitation project instead of replacement per Grant Agreement.
- At January 2014 meeting, VTrans Historic Preservation Officer agreed that bridge was historic but downstream concrete sidewalk structure could be removed if desired.

Existing Deficiencies

- Extensive leaking has created loss of mortar, algae growth and efflorescence
- Loss of stones and cracked stones

Voids and algae between stones

Worst voids between stones within first 10 feet of end
Emergency repairs fixed

Voids and missing stones at exterior of arch

Downstream Sidewalk Structure

Parapet and sidewalk

Retaining Wall at Park

Concrete Skirts/Protection

Concrete Skirt at Upstream Pier

Upstream concrete

Upstream Structure and Walls

Building foundations

Pictures from today

Concrete Roadway Slab

- Approximately 12 inches thick and right below existing pavement
- May not extend over full width of roadway based on emergency repairs
- Condition unknown
- May be providing some water intrusion protection
- Fiber optic line duct bank built into slab

Project Goals

- Improve Structural Condition
  - Arch and/or downstream sidewalk structure
- Hydraulic capacity – no longer issue for bridge
- Minimize impacts to historic nature
- Minimize impacts to stream during construction
- Minimize traffic/pedestrian impacts during construction
- ADA compliant
- Cost effective solution

Input from Town

- Questions
- Concerns
- Sidewalk Structure Options
- Other input
- Thoughts on Purpose and Need of project

Thank you for attending