

**Bedford 13692C**

**NH Route 101 over Pulpit Brook  
Red List Bridge Effort**

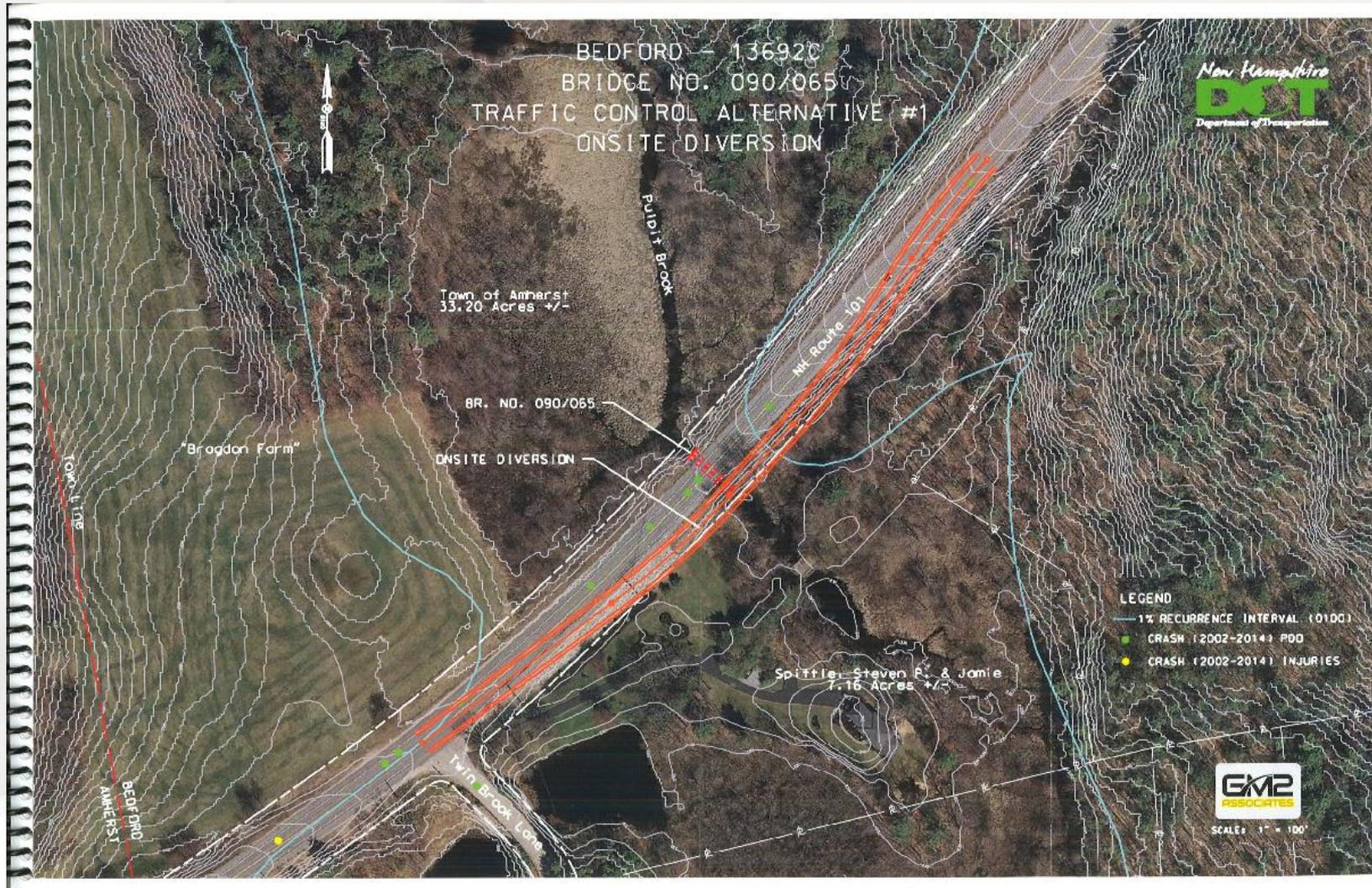
Bedford 13692C - Rehabilitation or Replacement  
of Bridge No. 090/065 NH Route 101 over Pulpit Brook

**Public Informational Meeting  
May 18, 2016**

# Agenda

- Project Location & Overview of Site
- Existing Conditions
- Natural & Cultural Resource Coordination
- General Bridge Options
- Potential Traffic and ROW Impacts
- Local Input Needed
- Construction Cost & Schedule
- Questions and Comments

# Project Location



# Project Location



Looking Northeast on NH 101  
(Bridge in Picture)



Concrete Headwall (2011)  
and guardrail (North)



South Headwall

# Overview of Project Site

- NH 101
  - 24,000 vehicles per day (2013)
  - Posted Speed Limit = 50 mph
  - Roadway width is 40 feet
  - 2 - 12' travel lanes
  - 2 - 8' shoulders
  - 100' ROW width
- Existing Culverts
  - Twin 5'-0" Concrete Culverts
  - Constructed in 1951 (65 years old)
  - Currently on Red List - Priority #35 (2015)
  - Northern Headwall Replaced by Bridge Maintenance in 2011
  - History of overtopping ??

# Existing Conditions

**BEDFORD 090/065**  
NH101 over PULPIT BROOK

Wednesday, August 04, 2010

3" SEPARATION BETWEEN  
SECTION #1 AND #2, SPAN  
#1. (STATE RED LIST.)



D053 09

Wednesday, August 04, 2010

3" SEPARATION BETWEEN  
SECTION #1 AND #2, SPAN  
#1. (STATE RED LIST.)



D053 10

Wednesday, August 04, 2010

BATTER BOARDS IN SPAN  
#1. (STATE RED LIST.)



D053 11

**BEDFORD 090/065**  
NH101 over PULPIT BROOK

Wednesday, August 04, 2010

12" SEPARATION BETWEEN  
SECTION #16 AND #17,  
SPAN #1. (STATE RED LIST.)



D053 18

Wednesday, August 04, 2010

VOIDS BETWEEN SPAN #1  
AND #2 WITH 3" TO 4" OF  
PENETRATION. (STATE  
RED LIST.)



D053 19

Wednesday, August 04, 2010

VOIDS BETWEEN SPAN #1  
AND #2 WITH 3" TO 4" OF  
PENETRATION. (STATE  
RED LIST.)



D053 20

# Natural and Cultural Resources

- Project has NEPA and Section 106 Obligations for potential Natural & Cultural Resource Impacts
  - Will be coordinating with Resource Agencies
- Possible mitigation if the project is found to have an Adverse Effect
- Interested persons or organizations may request “*Consulting Party*” status from FHWA
- No Anticipated Historic Impacts
- Anticipate Minor Impacts to Pulpit Brook that will Require Permitting

# General Bridge Options

## 1. Rehabilitation or No Build Options

- Hydraulic Deficiencies? If so this would be ruled out

## 2. Bridge Closure

- Accelerated Bridge Construction techniques
- Short-term bridge closure
- No ROW impacts
- Long Detour on State Roads

## 3. On-Site Traffic Diversion

- Temporary Widening of NH 101
- Temporary Bridge or Culvert Extensions
- Staged Bridge Construction

# Local Input Needed

- Pedestrian or Bicycle Usage
- Emergency Response
- Mutual Aid
- School Bus Routes and Distance to the Schools
- Major Town Events
- Flooding Issues

# Schedule

- Second Public Informational Meeting
  - Spring 2017
- Public Hearing (if necessary)
- Finalize Design. . . . .Fall 2018
- Funding per Ten Year Plan is in 2019
- Construction would be in 2019 or 2020

# Preliminary Cost Estimate

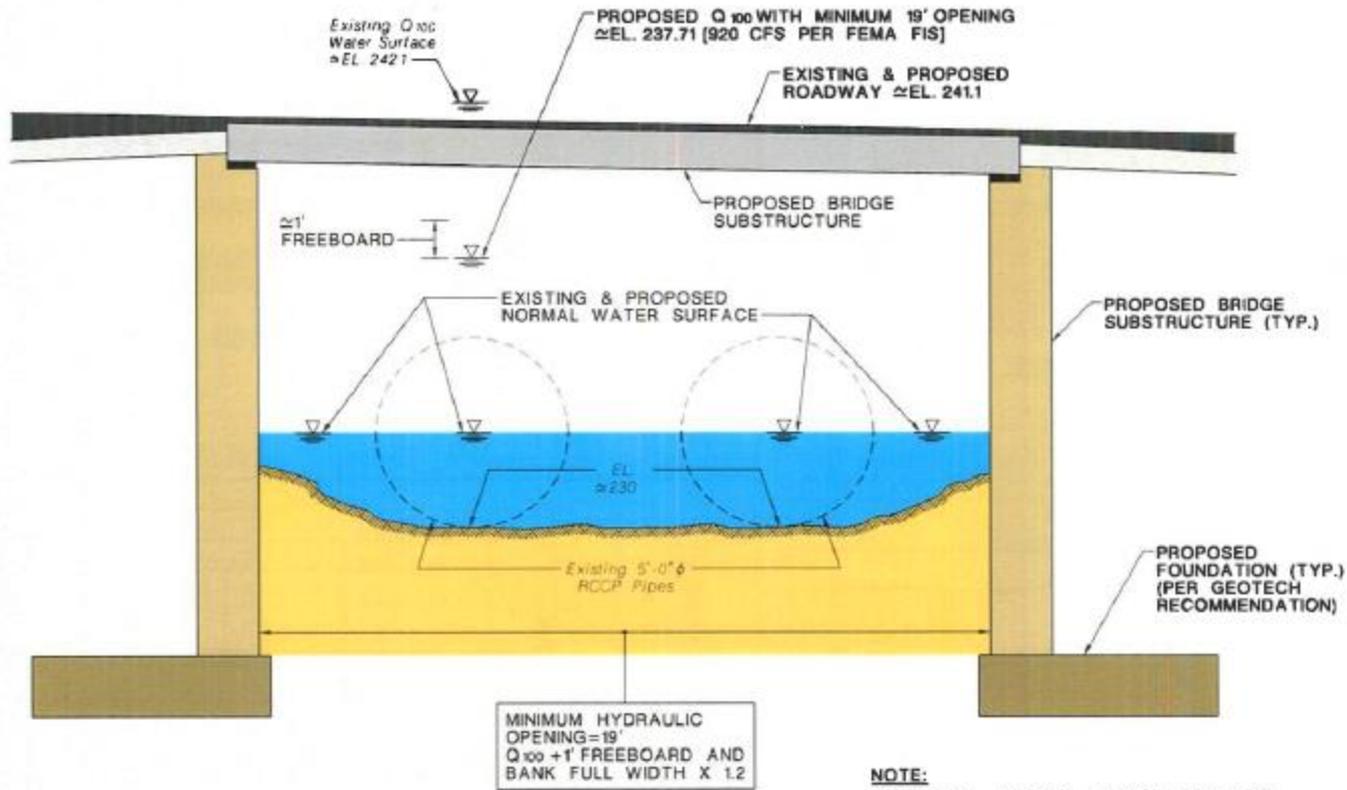
- Construction Cost
  - \$ 2.0 million range based on a Potential Replacement Option
  - 80% Federal / 20% State
  - No Local Funds

# Thank You

Plans and Presentation Materials are  
Available on Internet

*[www.nh.gov/dot/projects](http://www.nh.gov/dot/projects)*  
*Bedford 13692C*

# Potential Replacement Option



LONGITUDINAL SECTION (EXISTING & PROPOSED)

# Potential Replacement Option

