

# Welcome!

Evergreen Road over Mason Brook Bridge  
Replacement

Hubbardston | Project File No. 607127

## DESIGN PUBLIC HEARING

7 Main Street  
October 16, 2018 | 7:00 PM

# Project Team



## **Municipality**

Town of Hubbardston

## **Consultant Engineering Firm**

Dewberry Engineers Inc.

## **MassDOT's Highway Division**

Responsible for administering the Design Process and providing Resident Engineer Services

## **Federal Highway Administration**

Responsible for Oversight

# Project Area



Project Location  
Limits of Work or Study Area

# Existing Issues

- Structurally Deficient & Structurally Obsolete Bridge
- Non-Conforming Guardrail
- Substandard Vertical Design for Design Speeds

## Existing Issues (cont.)



Poor Condition of Substructure



Non Conforming Guardrail



## Existing Issues (cont.)

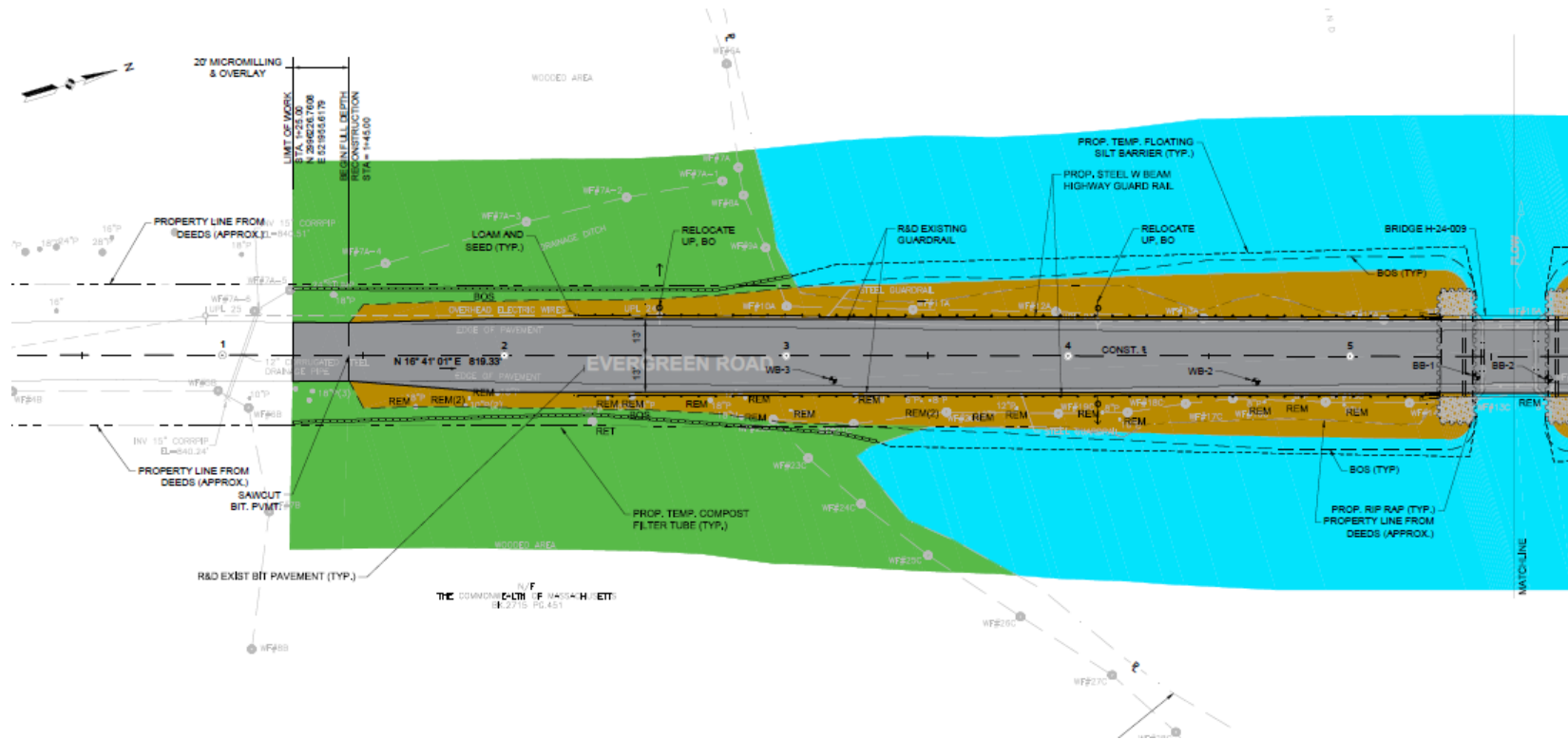


Large Crack & Spalling in Abutment

# Project Scope

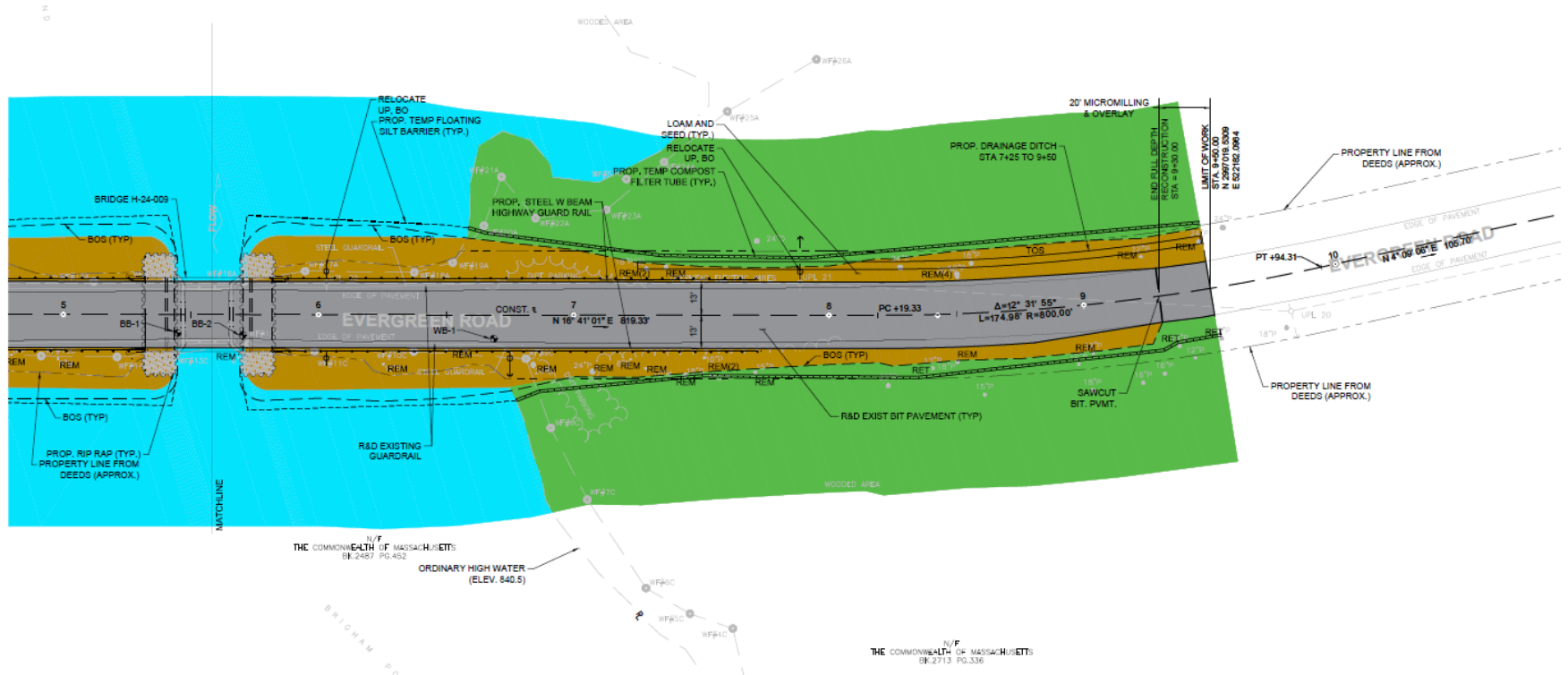
- Replace Bridge with Precast Arch Structure
- Improve Vertical Alignment of Roadway
- Widening of Roadway along with 850 Feet of Full Depth Roadway Reconstruction
- Placement of Conforming Guardrail

# Construction Plan

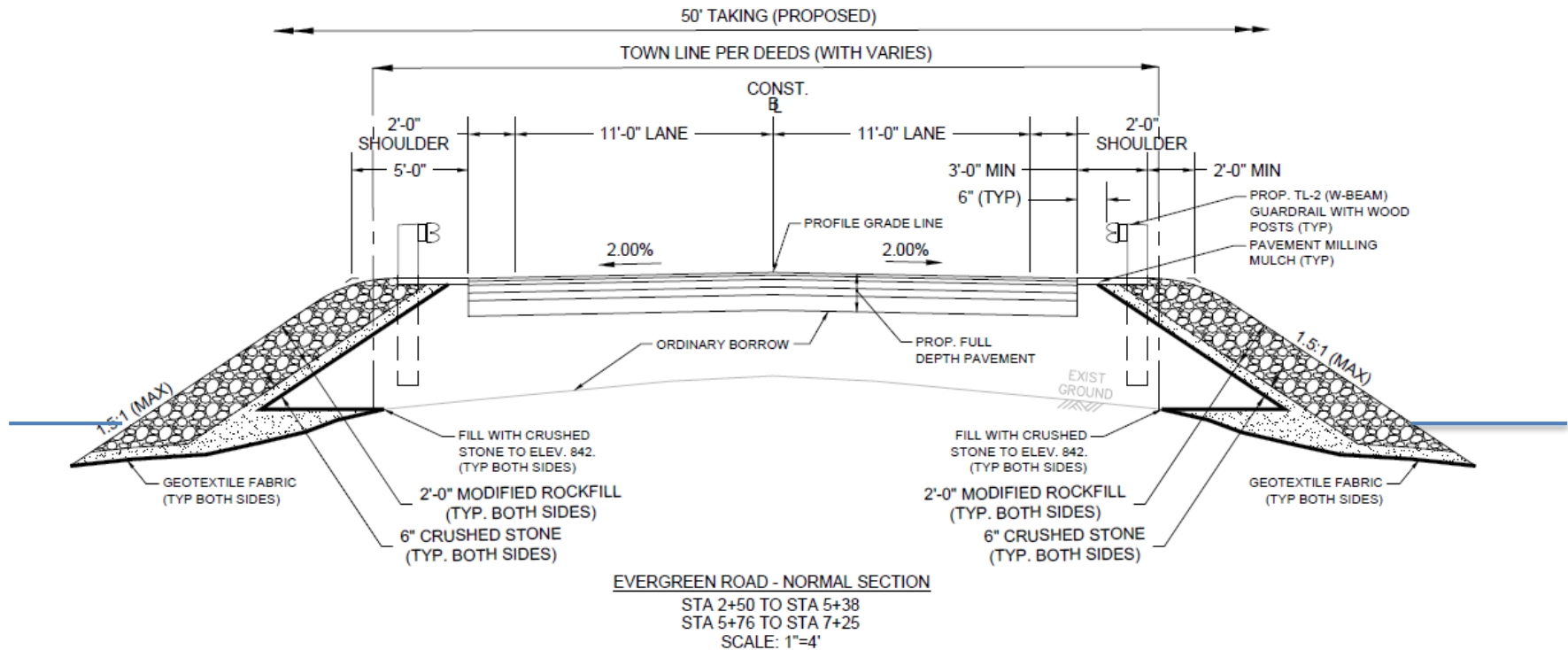




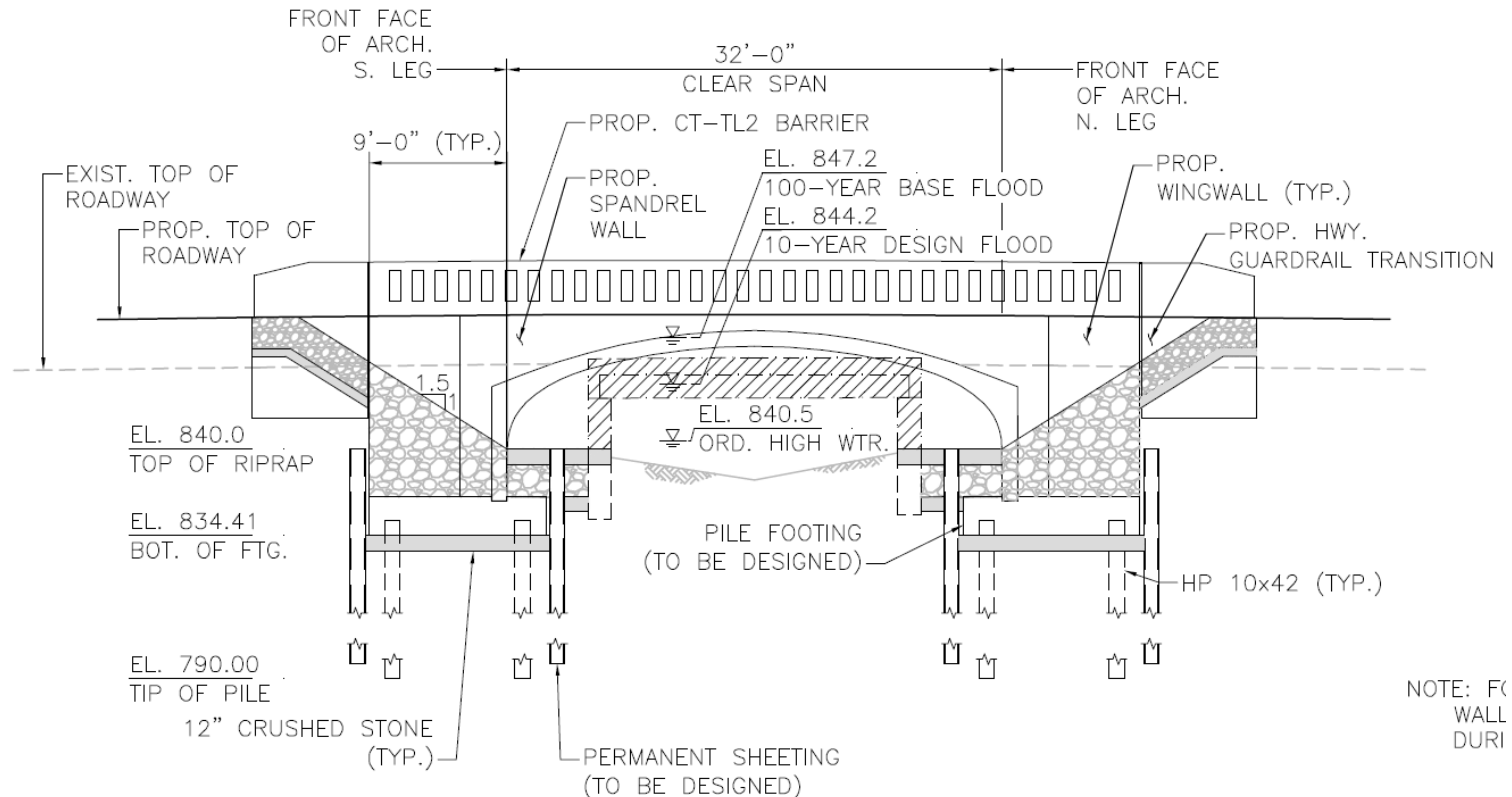
# Construction Plan



# Construction Plan



# Construction Plan



ELEVATION

# Project Schedule

25% Design Submittal  
5/18/18

Design Public Hearing  
10/16/18

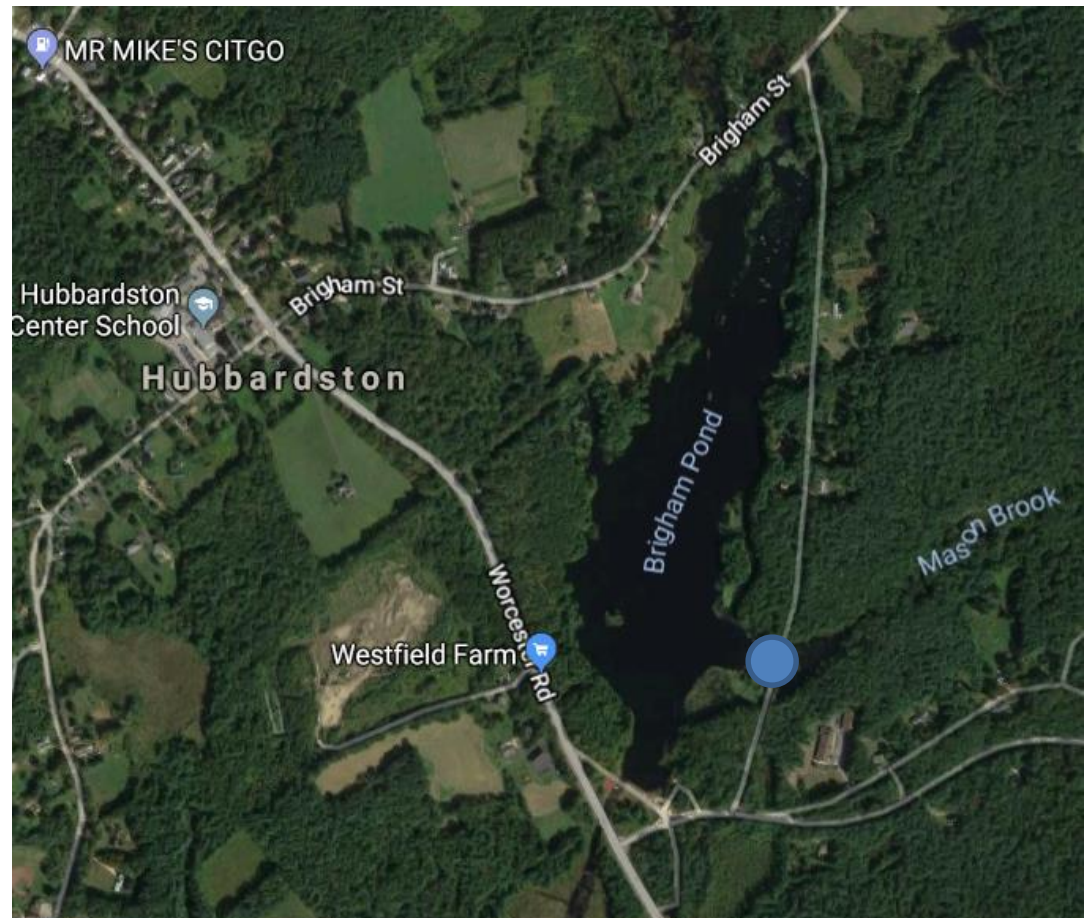
100% Design Submittal  
June 2019

Construction Starts  
Spring of 2020



# Traffic Impacts

- Road Closure w/ Detour
- Detour Route:
  - Old Princeton Road to
  - Route 68 to
  - Brigham Street to
  - Evergreen Road







# Proposed Improvements

- New Bridge with Wider Cross Section
  - Wider Curb-to-Curb Width: 24 Feet vs 19 Feet
  - Longer bridge Span with Improved Hydraulic Opening – 32'-0" vs 18'-6"
- Wider Roadway Cross Section with Improved Vertical Alignment
- Add More Headroom for Canoes and Kayaks

# Environmental Permitting



- Section 401 Water Quality Certificate
- Article 97 – Land Owned by DCR
- Oversight Agency – USACE

# Contact Information



- Provide:
  - Mail-in comment sheets
  - Matt Hopkinson, P.E.; [MATT.HOPKINSON@DOT.STATE.MA.US](mailto:MATT.HOPKINSON@DOT.STATE.MA.US); (857) 368-9307