

Proposed Bridge Replacement



Bridge Street Over Mitchell River



Innovation, Efficiency, Transparency

Presentation Agenda

- Current Status of the Project
- Present Updated graphics
- Address Outstanding Comments
- Schedule

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Project Overview

- Public information meetings held on:
 - Sept. 3, 2009
 - November 13, 2009
 - November 19, 2009
- Comments were received and considered in the development of the alternatives
- Construction Scheduled for 2011

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Safety

- Existing Bridge
 - Substandard Roadway and Sidewalk
 - Bridge is in poor condition
 - Cannot plow Bridge Deck
 - Timber Deck is coming up
 - No crash tested railing
 - Deteriorated Pilings

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Safety

- Proposed Bridge
 - Added Shoulder width
 - Increased sidewalk width
 - Crash tested railing
 - Plow able roadway
 - Structurally sound bridge
 - Protection for pedestrians on bridge
 - 25 foot wide navigation channel
 - New Navigation Lights

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Proposed Bridge

- 200 Foot Long Bridge
- Five Fixed Spans (Concrete)
- One Movable Span (Steel)
- Coast Guard Compliant
- MHD - Truck Load Compliant
- ADA Compliant
- Removal of Existing Bridge
- Context Sensitive Design
- 75 Year Design Life

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Existing Elevation



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Existing East Approach



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Elevation – Bascule Span



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East Approach - Bascule

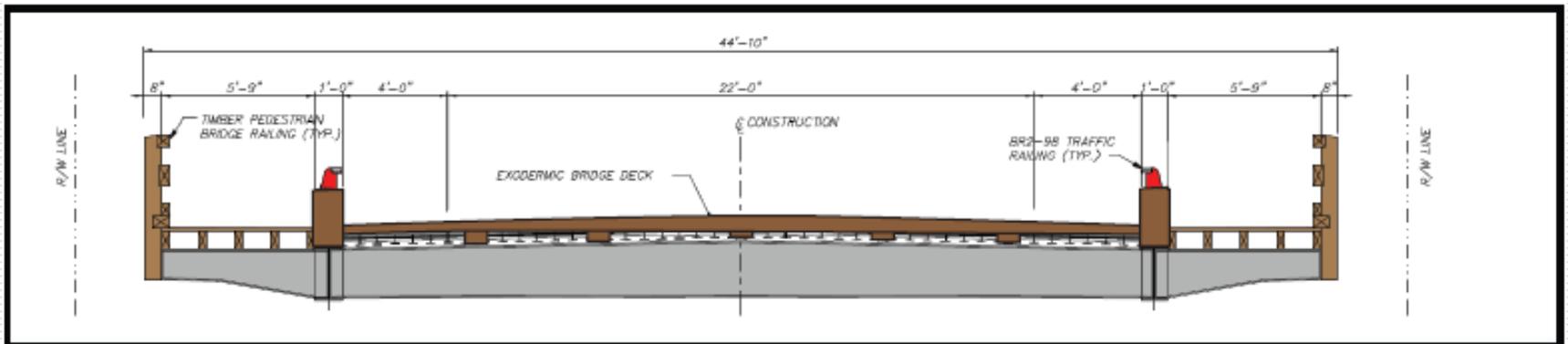


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Bascule Span - Section

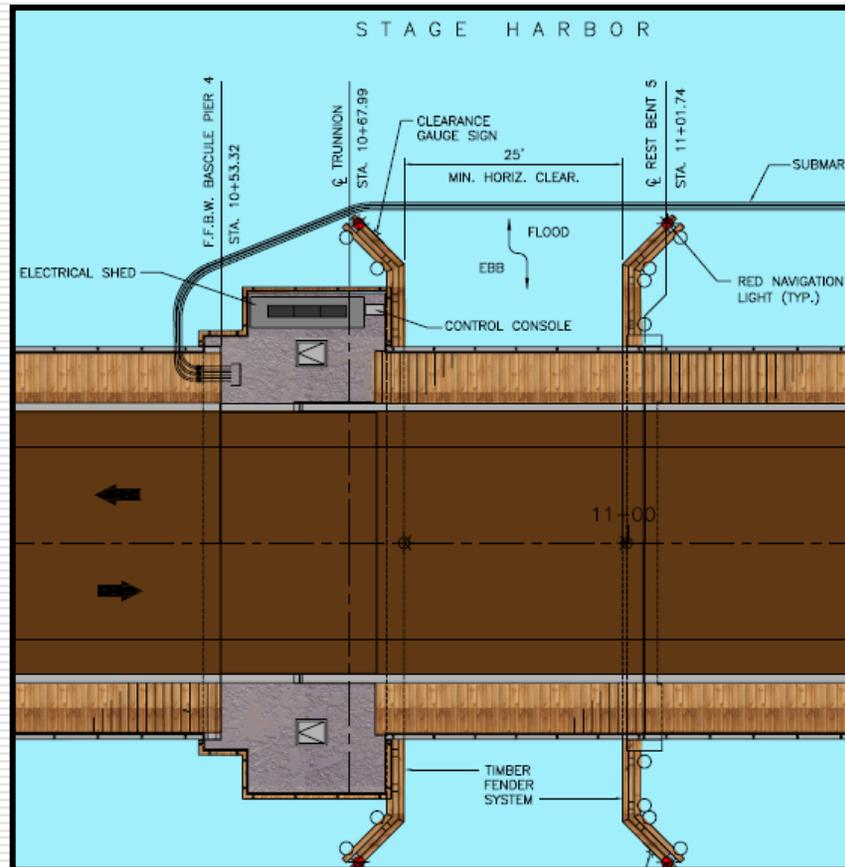


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Plan View – Bascule Span

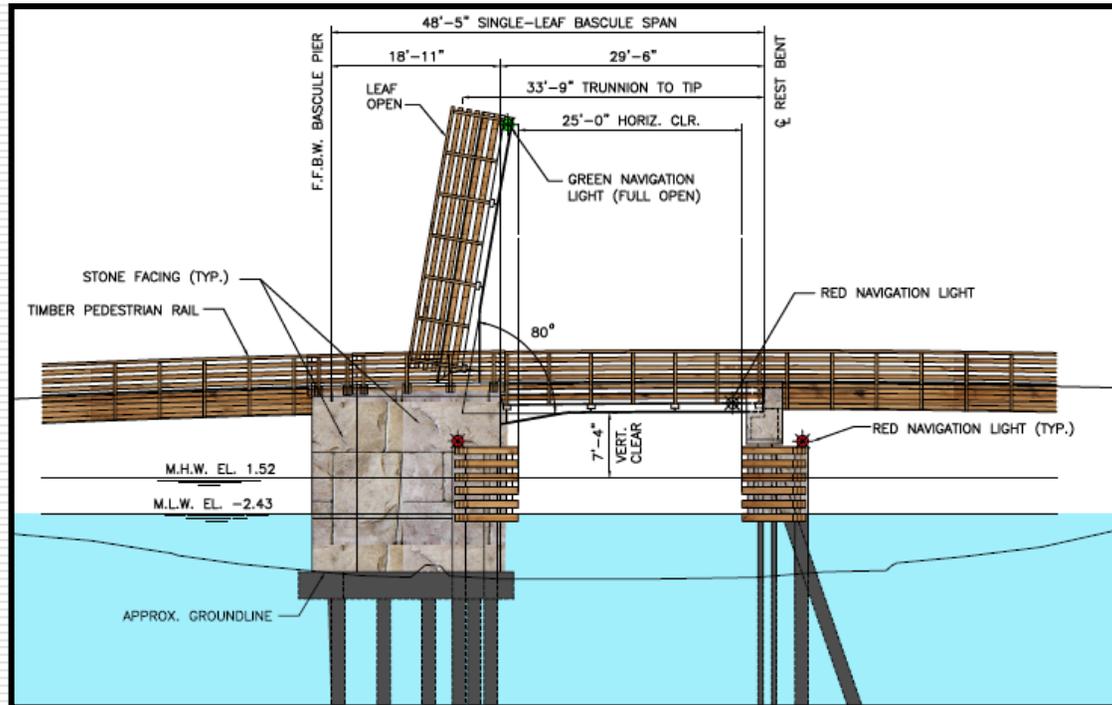


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Elevation – Bascule Span

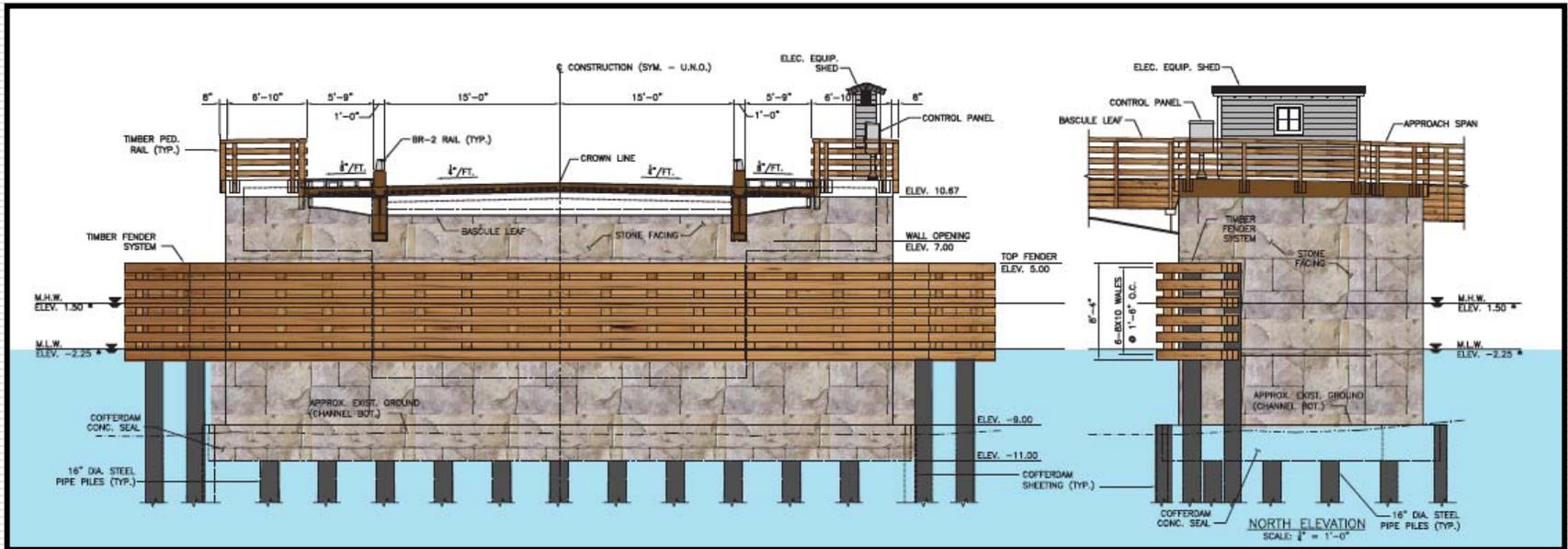


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Bascule Pier

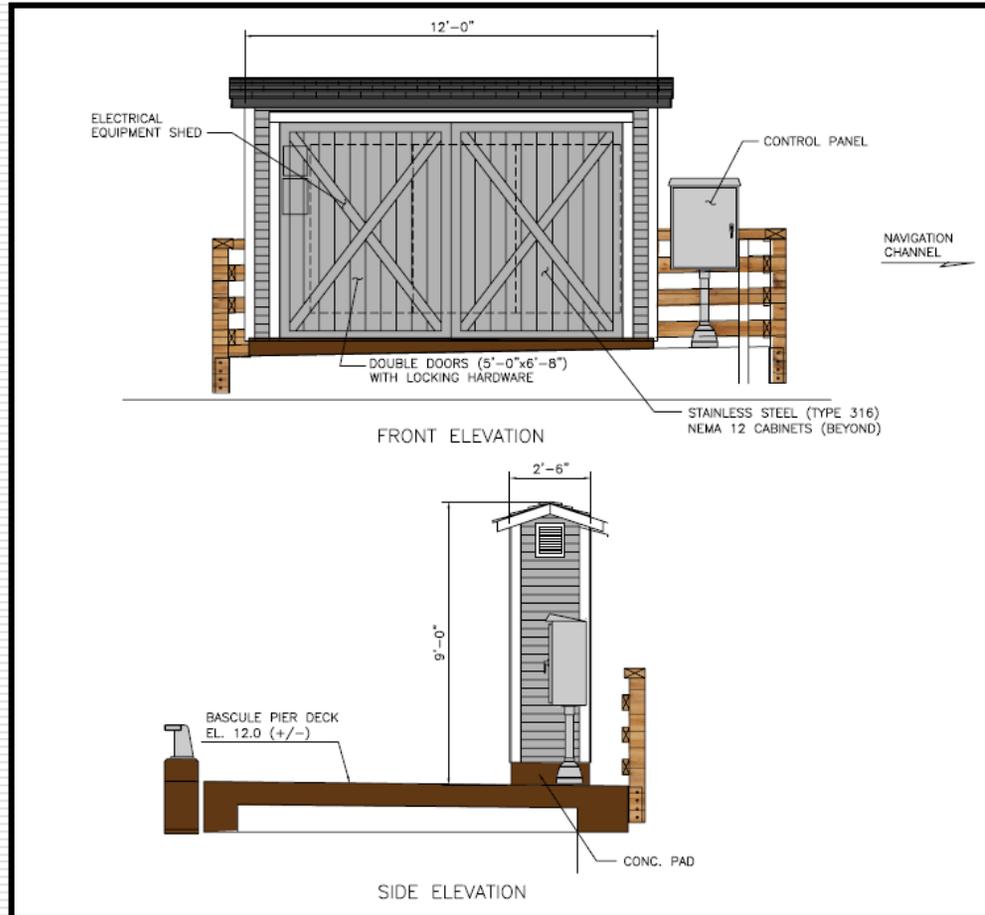


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Bridge Controls



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Piles and Pier Cap With Timber Veneer



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Existing Elevation



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Proposed Bridge Elevation



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Existing View From Bridge



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View From Proposed Bridge



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Traffic Calming

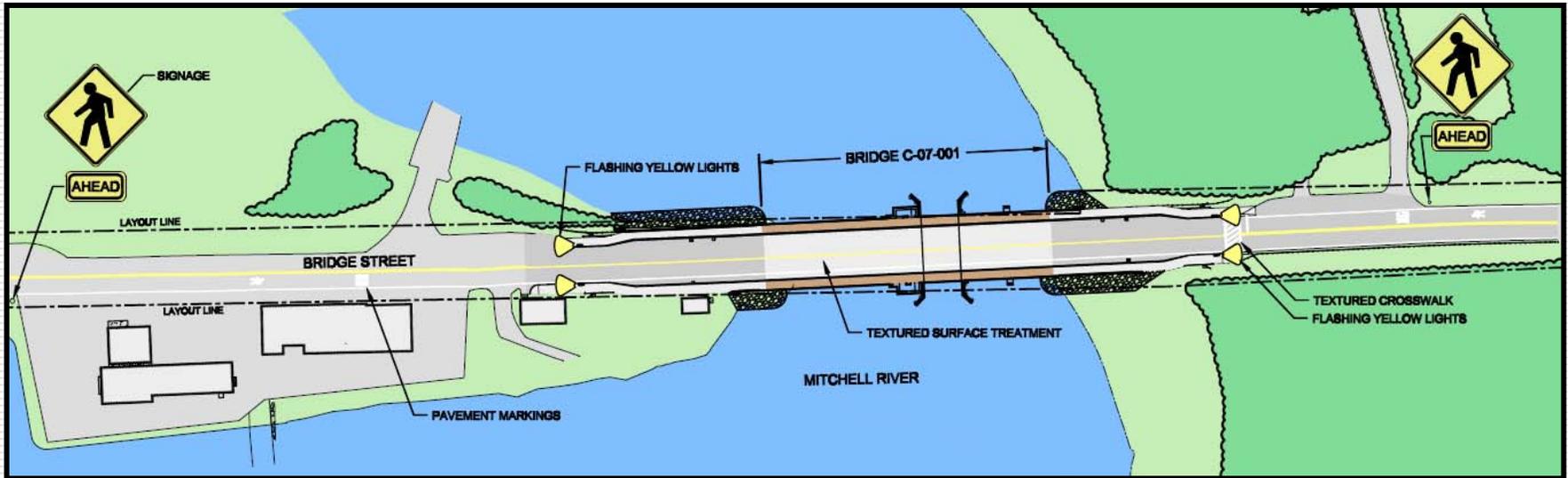
- **SIGNAGE** - Pedestrian Crossing, Boat Ramp Sign
- **SURFACE TREATMENT** - Textured Pavement- Scored concrete Bridge Deck
- **PAVEMENT MARKINGS** - PED XING, SLOW, Symbols
- **FLASHING YELLOW SIGNALS**
- **LOCAL POSTING AND ENFORCEMENT**

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Traffic Calming Measures



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Summary

- Final Bascule Span Alternative
- Timber Veneer Where Applicable
- Context Sensitive Design Process
- Traffic Calming Measures
- Scheduled to Start Construction 2011

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Chatham, MA

Questions

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