

**Department of Transportation  
Project No. 44-147  
Replacement of Bridge No. 00368  
US Route 1 over Niantic River  
Towns of East Lyme and Waterford**

**December 8, 2011, 7:00 p.m.  
East Lyme Town Hall  
108 Pennsylvania Avenue, East Lyme, CT**

**Minutes**

**Present:**

Scott Hill - Connecticut Department of Transportation (CTDOT)  
James Cavanaugh - CTDOT (Design)  
David Cutler - CTDOT (Design)  
Derrick Ireland - CTDOT (Rights of Way)  
Michael Washington - CTDOT (Construction)  
Michael Grzywinski - CT Department of Energy and Environmental Protection  
John Eberle - Stantec Consulting Services Inc. (Stantec), Project Manager  
Andrew Lessard - Stantec, Project Engineer

Members of the Public

**Presentation:**

Mr. Cutler provided a brief introduction to the project including administrative aspects as well as overview of the project need:

Purpose of Meeting

- To inform public of the proposed project and allow interested parties to view proposed plans and ask questions regarding the project.

Project Goals

- Replace Bridge 00368
- Minimize disturbance and improve safety for traveling public
- Complete project in timely manner with effective use of funding
- Address above goals with consideration for surroundings

Reasons for Project

- Bridge is Structurally Deficient due to deterioration of the substructure, which has resulted in an inspection rating of "poor"
- Bridge is Functionally Obsolete due to narrow roadway width

Mr. Lessard provided an overview of the proposed construction and technical details of the project:

Existing Bridge

- Constructed c. 1926

- Carries two lanes of Route 1 over Niantic River
- Average Daily Traffic = approx. 10,200 (2010)
- 65' total length (1 span)
- 34' overall width
- Concrete T-Beam with integral concrete deck
- Widened to south with additional steel stringer and concrete deck
- Stone masonry abutments

#### Proposed Bridge

- Steel stringer with concrete deck supported by concrete abutments
- Bituminous concrete overlay
- 12' lanes in each direction
- 5' westbound shoulder, 10' eastbound shoulder
- Horizontal alignment shifted south 5.5' at bridge to better blend with approach roadway, and to facilitate staged construction
- Vertical alignment to be raised approx. 2' at the bridge
- Low chord of bridge to be raised approx. 4' to clear 100-year storm

#### Maintenance and Protection of Traffic

- Constructed in three stages
- Maintain one lane of traffic in each direction during construction

#### Environmental Impacts

- Located within FEMA Floodway
- Tidally influenced waterway
- No threatened, endangered, or species of special concern identified
- No negative impacts to fish habitat, however seasonal construction restrictions may be necessary to accommodate Alewife
- No known contaminated or hazardous materials within project limits
- Improvements to roadway drainage system will eliminate direct discharge of runoff into river. Exact treatment measures to be determined in Final Design phase.

#### Utility Impacts

- Water, gas and sewer located below grade in vicinity of bridge
- Overhead wires along south side of bridge

#### Rights of Way

- Temporary and permanent property impacts are anticipated as part of this project
- Mr. Ireland gave a brief overview of ROW process

#### Project Cost

- Estimated Project Cost is \$4.5 million (including oversight, incidentals and contingencies)
- Bridge being replaced using 80% Federal and 20% State funds

#### Project Schedule

- Construction anticipated as early as Spring of 2014 and will last two construction seasons, The exact schedule will depend on permitting time of year restrictions

- Schedule is predicated upon availability of funding, obtaining necessary permits, and receipt of necessary property impacts

#### Public Comments/Questions

The following were comments/questions raised by the attendees:

- One member of the public expressed concern regarding vibration during construction due to pile and/or sheeting installation, especially given the proximity of several houses to the site as well as the soil conditions in the area.

Response: It was noted that construction issues such as vibration will be taken into consideration as the design progresses.

- One member of the public inquired as to river navigation restrictions during construction.

Response: It was noted that there may be short term navigation restrictions during specific construction activities. A debris shield will likely be installed while the existing beams are being sawcut and removed, which will temporarily reduce vertical clearance over the river.

#### **Adjournment:**

The meeting was adjourned at approximately 7:55 PM.