Public Information Meeting

State Project No. 095-254
Rehabilitation of Bridge No. 00901
U.S. Route 202/Route 67
Over Housatonic River

New Milford, Connecticut

Thursday, October 5, 2017 at 7:00 pm
John Pettibone Community Center
2 Pickett District Road
New Milford, CT

Connecticut Department of Transportation

Project Location Map

Introductions

- Connecticut Department of Transportation
  - –Rabih Barakat – Transportation Principal Engineer
  - -Andrew Cardinali – Transportation Supervising Engineer
  - -Dobieslawa Kania– Transportation Project Engineer
- Hardesty & Hanover
  - –Steven Harlacker – Principal Associate
- CME Associates, Inc.
  - –Donald Wurst – Department Manager
  - –Mark Gardner – Project Engineer

Department's Role

- Systematically inspect bridges for deficiencies and schedule the rehabilitation of structures
- Oversee the development of technical drawings and bid documents on projects
- Administration and inspection during construction

Project Needs and Goals

- Maintain a safe crossing over the Housatonic River for vehicles traveling on US Route 202/Route 67
- Rehabilitation and strengthening of bridge to extend service life
- Minimize disturbance for the traveling public during construction
- Improve roadway ride-ability for traveling public

Project Overview

- Project is in preliminary design stage
  - We are looking for your input
- Rehabilitation of bridge to repair deteriorated elements
- Strengthening of deficient truss connections to rate for HL-93 loading
- Preventive maintenance to ensure extended service life

Bridge No. 00901
(Veterans Memorial Bridge)

- Built in 1953
- Major rehabilitation project in 2000
  - full deck replacement, substructure/superstructure repairs, sidewalk and railing replacement, full painting
- Gusset plate strengthening completed in 2011
- Single-span steel through truss structure supported by two abutments

Bridge No. 00901
(Veterans Memorial Bridge)

Existing Geometry

- Total Structure Length = approx. 332’
- Bridge curb-to-curb width = 30’-0” (13’ lanes, 2’ shoulders)
- Min. Vertical Clearance above Roadway: 15’-5” (centerline)
- ADT (2014): 30,700 vehicles per day
  - 4% Truck Traffic
  - 13,000 Eastbound and 17,700 Westbound

Existing Condition Ratings

- Deck: “7” Good
- Superstructure: “4” Poor
- Substructure: “6” Satisfactory
- Structure Evaluation: “4” Poor

Structure Appraisals

- Deck Geometry: “4”
- Approach Roadway Alignment: “6”
- Scour Critical: “8” (Stable)
- Waterway Adequacy: “6”

Bridge No. 00901
(Veterans Memorial Bridge)

South Elevation

West Approach (Looking East)
Note: Sidewalk along North Fascia

Bridge No. 00901
(Veterans Memorial Bridge)

Typical Overlay

Typical Bridge Curb and Railing

Bridge No. 00901
(Veterans Memorial Bridge)

Typical Leaking at Deck Panel Joints
Note: Active Rust on Stringer and Beam

Typical Underside of Deck and Truss

Bridge No. 00901
(Veterans Memorial Bridge)

Typical Rocker Bearing (West Abutment)

Communication Conduits – North Fascia

Bridge No. 00901
(Veterans Memorial Bridge)


East Abutment


West Abutment

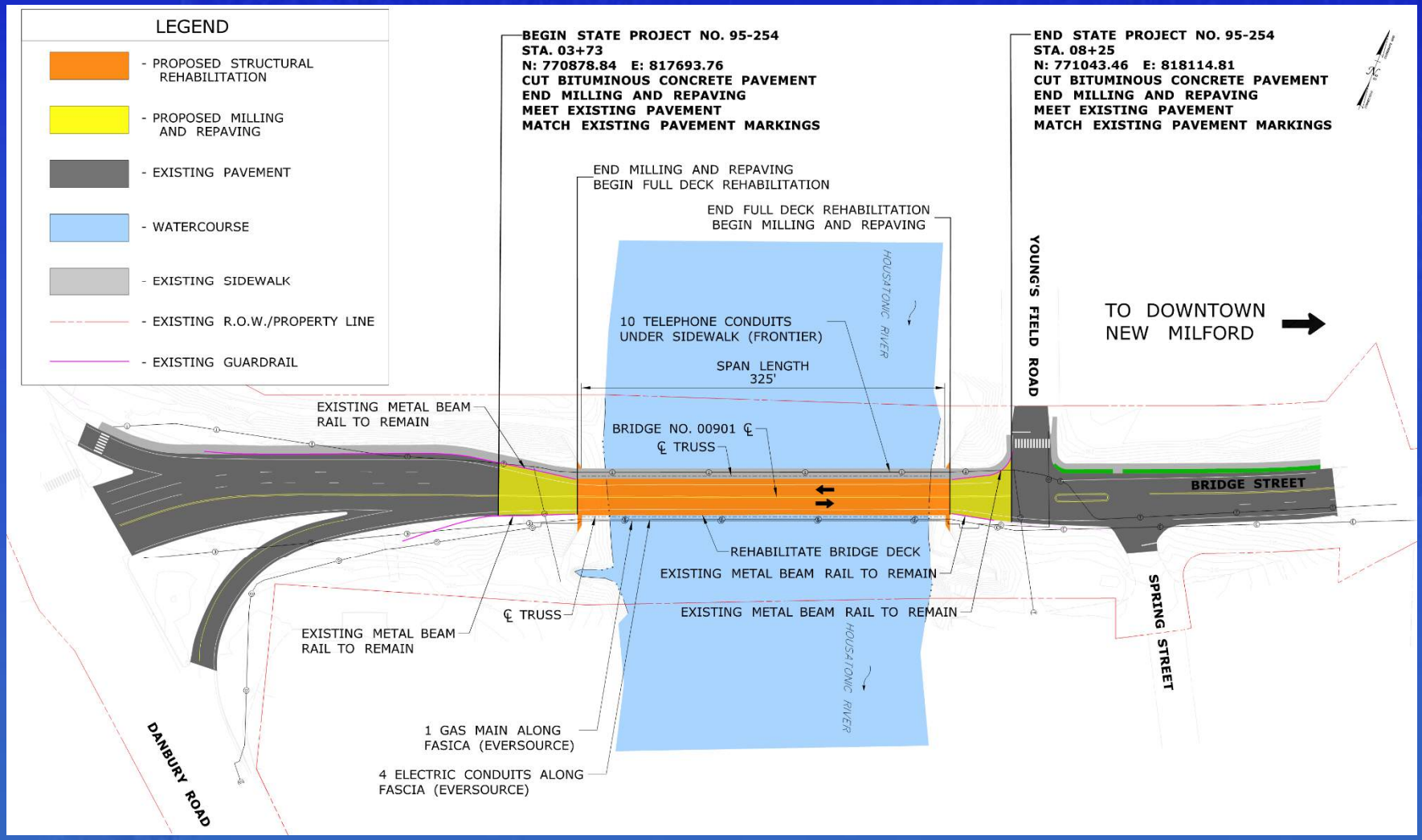
Northeast Wingwall (Typical)

Bridge No. 00901
(Veterans Memorial Bridge)

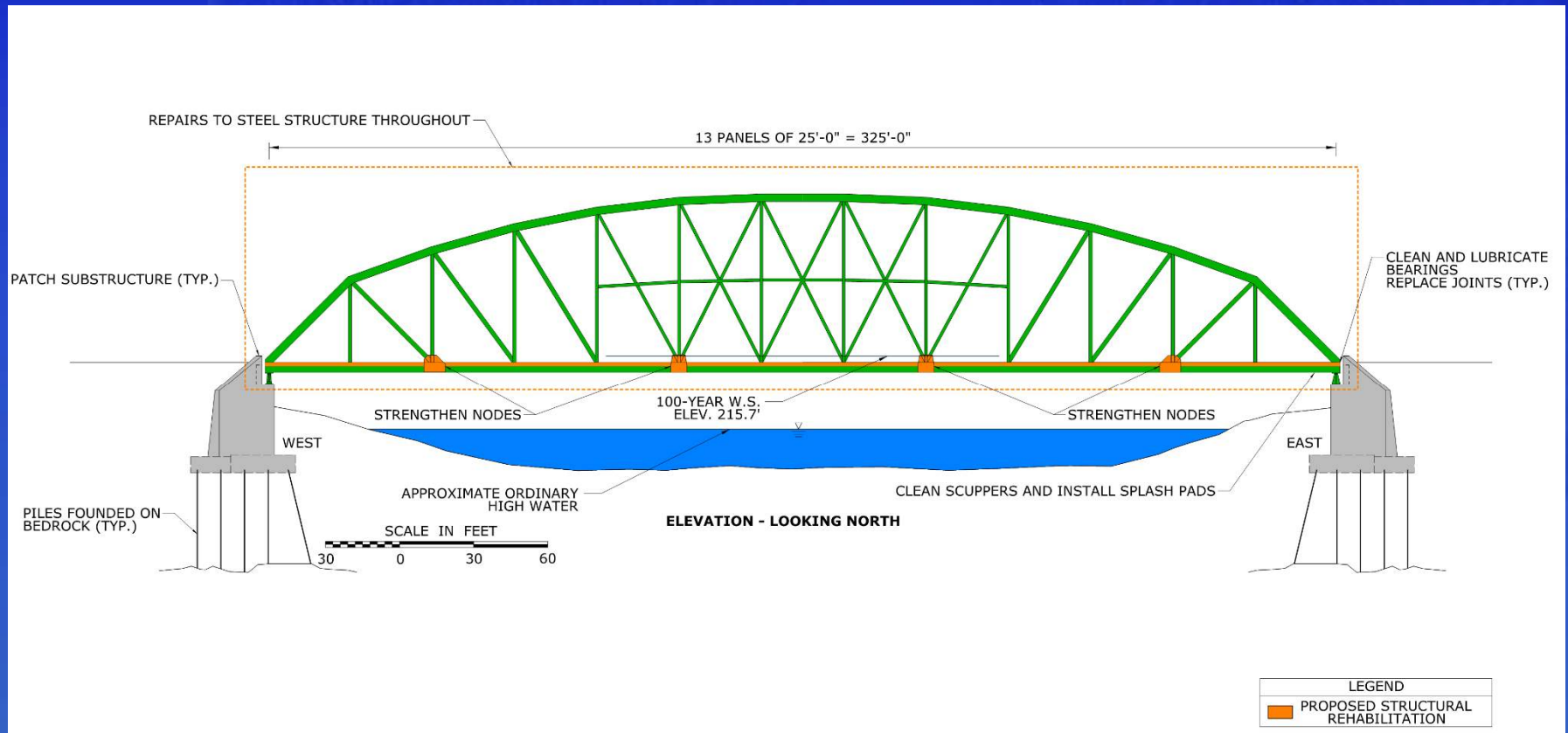
Proposed Rehabilitation Measures:

- Structural steel repairs to truss members, gusset plates, and portal bracing
- Clean and paint all bearings
- Field touch-up painting of steel at repair locations and localized areas of missing paint
- Patch the reinforced concrete deck and sidewalk
- Placement of waterproofing membrane and new 3” thick overlay
- Deck joint replacement
- Replace bridge rail to meet new standards
- Repair pedestrian rail as necessary
- Anchor superstructure to substructure to resist stream flow forces and debris accumulation
- Mill and pave the approach roadways
- Clean the scuppers/drainage system
- Substructure patching

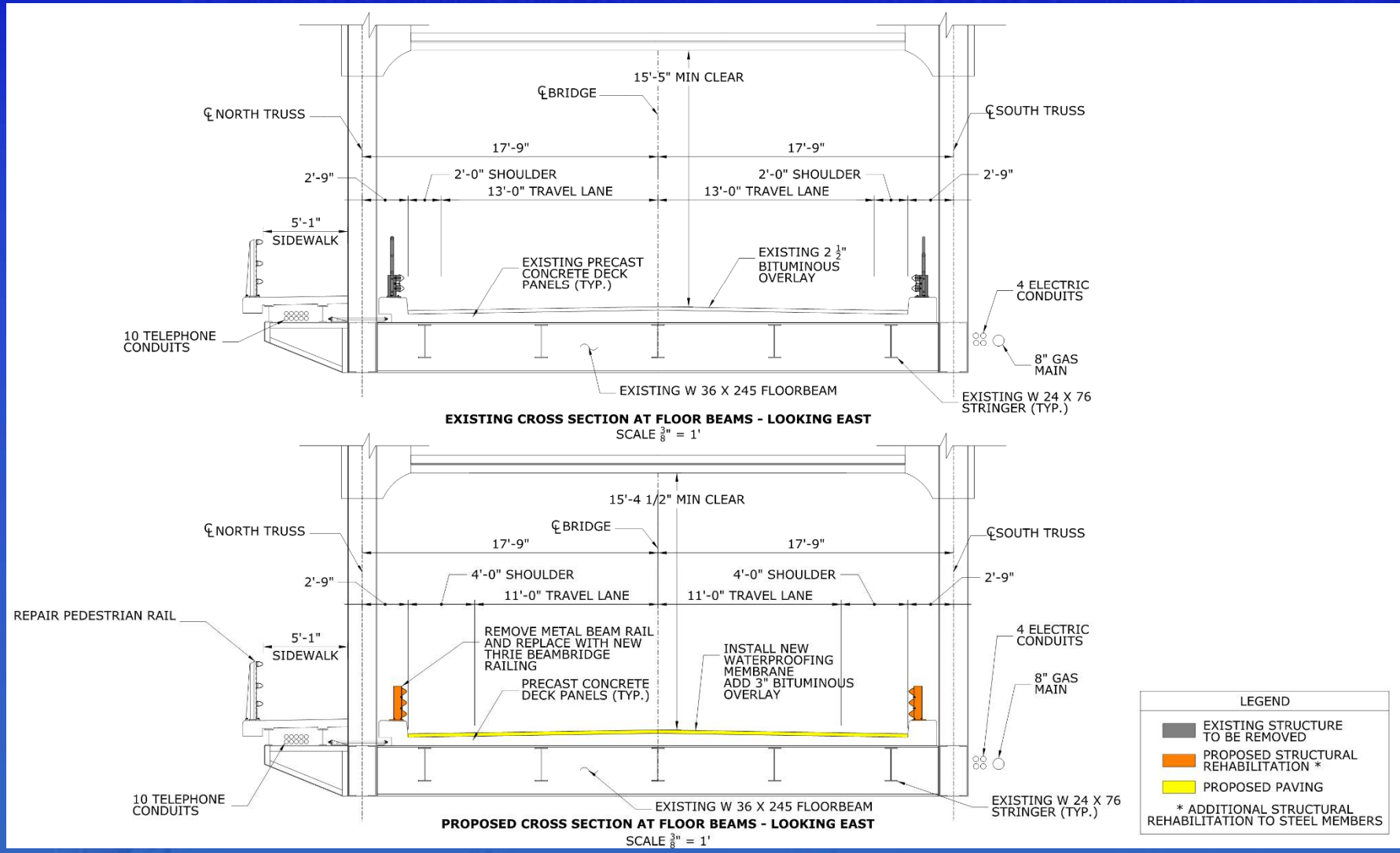
Bridge No. 00901: Roadway Plan



Bridge No. 00901: Elevation



Bridge No. 00901: Sections

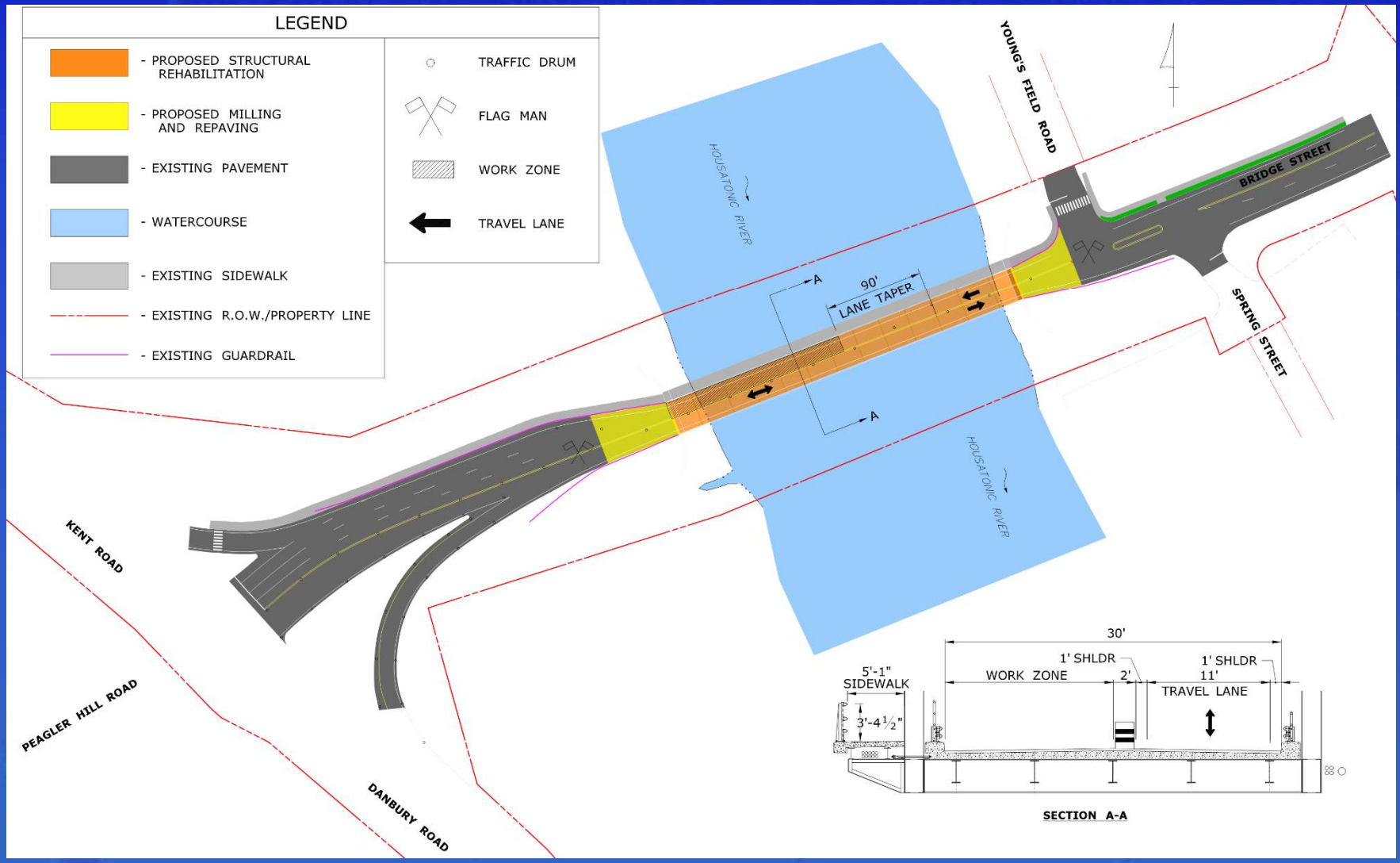


Bridge No. 00901:
Maintenance & Protection of Traffic

Impacts to traffic on U.S. Route 202/67:

- Bridge work will occur in 4 stages of off-peak lane closures
  - The four stages of off-peak lane closures will involve the closure of the four quadrants (northeast, southeast, northwest, southwest) and stages will be fully complete before next stage is started.
  - Uniformed flagmen or local police will control alternating one-way traffic
- Three full closures will be required of the entire bridge
  - Full closure required for: milling, waterproofing membrane, and paving
- All closures will occur overnight
- Shoulder closures will be required to repair the bridge rail.

Bridge No. 00901: Maintenance & Protection of Traffic (cont.)



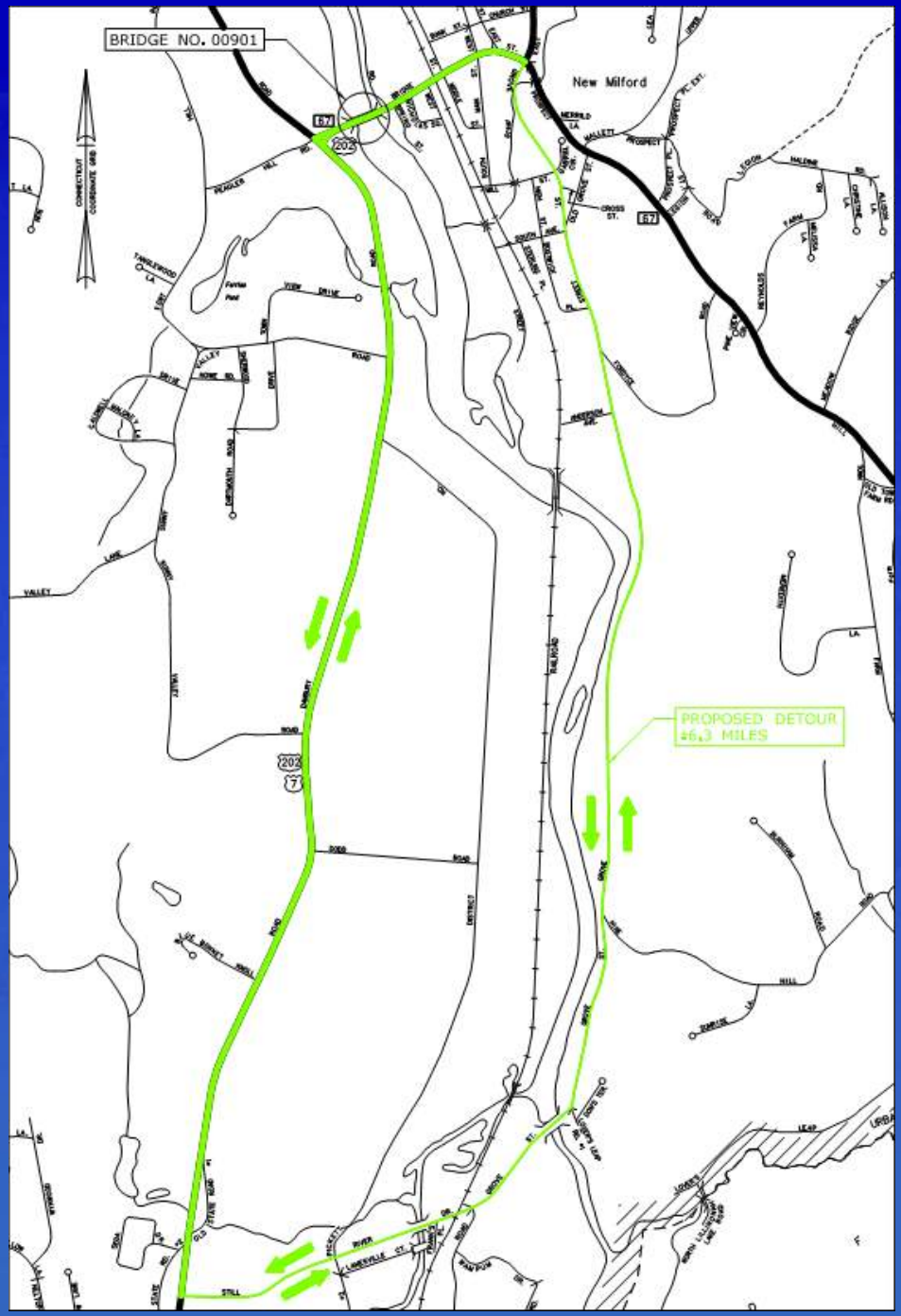
Bridge No. 00901:
Detour for Overnight Bridge Roadway Closures

Advanced signage will be placed to urge traffic to use the following detours:

- Traffic will be directed to Still River Drive over the Housatonic River then North on Grove Street to Bridge Street.
- There will be a signed passenger vehicle detour for traffic originating from/going to US Route 7 North of the bridge
  - Boardman Rd to Housatonic Ave to Young's Field Rd
  - Low railroad bridge on Boardman Rd

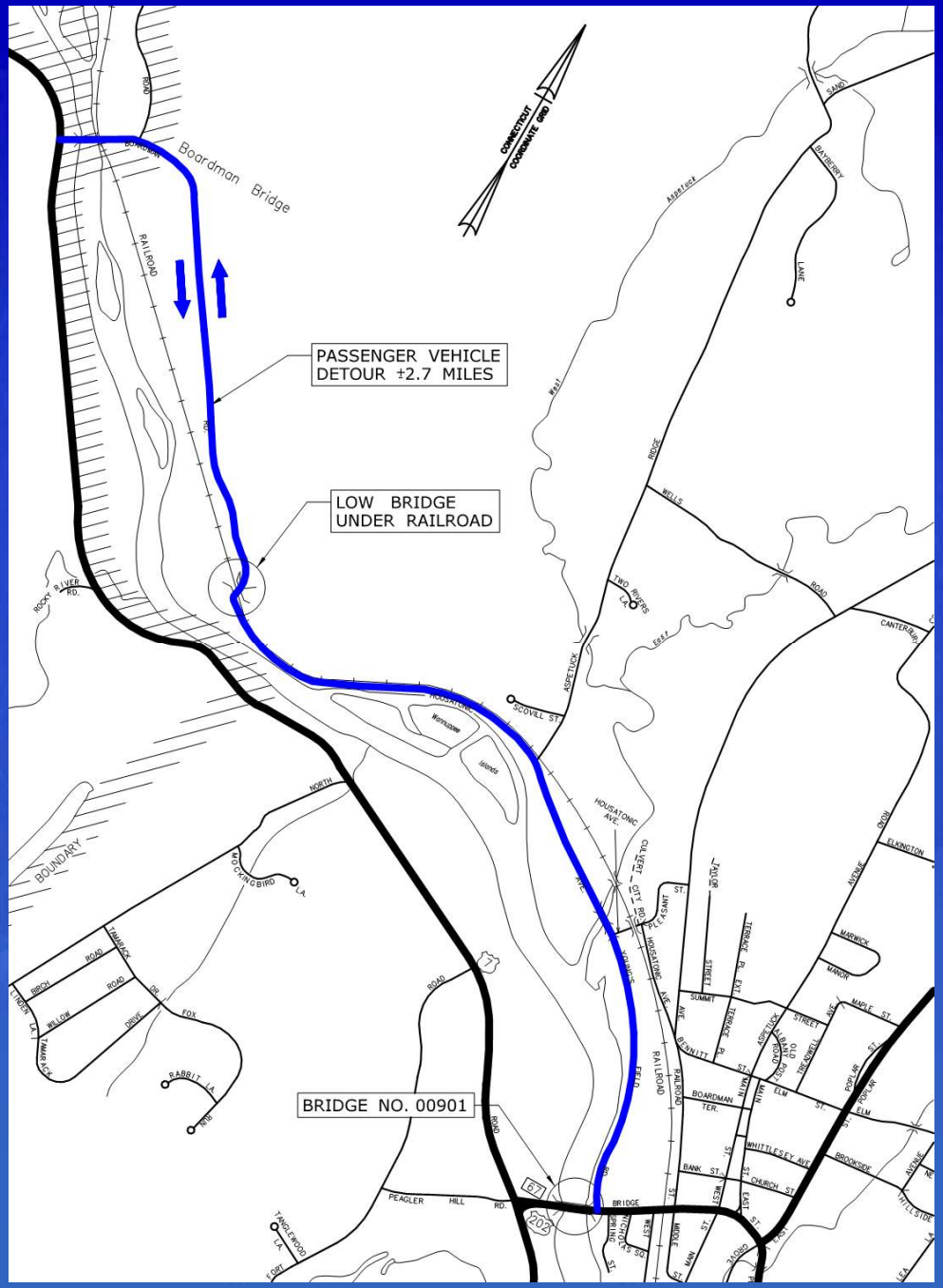
Bridge No. 00901 – U.S. Route 202/67 over Housatonic River

Detour Plan



Bridge No. 00901 – U.S. Route 202/67 over Housatonic River

Detour Plan



Note: Passenger vehicles only because of low clearance bridge on route

Department of Transportation
Division of Rights of Way
(ROW)

Michelle Miller
Project Coordinator
2800 Berlin Turnpike
P.O. Box 317546
Newington, CT 06131-7546

Function

- **Acquire all property/property rights necessary for transportation projects.**

Statutory References

- **State of Connecticut**

  C.G.S. Sections 13a-73 & 13a-98e

- **Federal**

  Uniform Relocation Assistance and Real Properties Acquisition Act of 1970, as amended.

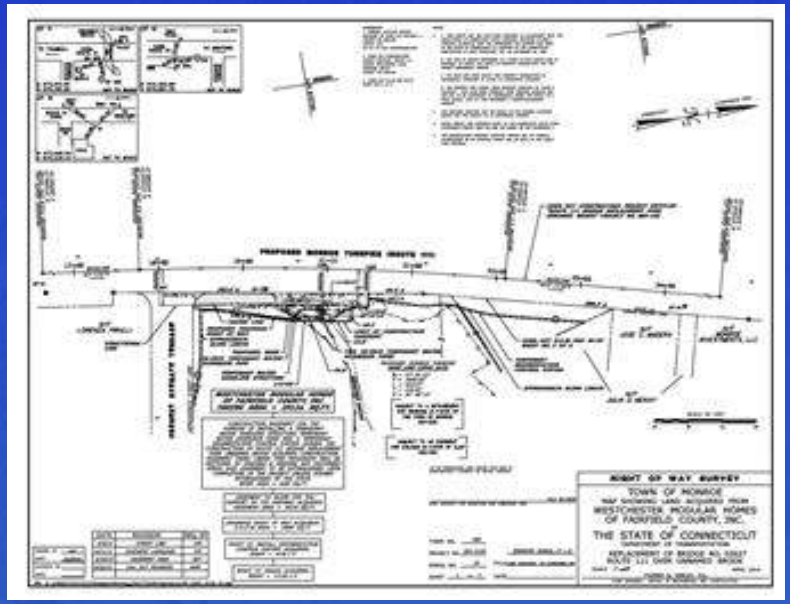
Property Impacts

- Total Acquisitions
- Partial Acquisitions
- Easements
- Construction Easements
- Rights

*** Note: Specific impacts are subject to change as the design progresses.**

ROW Acquisition Process

- Letter of Intent to Acquire
- Valuation
- Offer of Just Compensation
- Negotiation
- Acquisition
  - Agreement
  - Eminent Domain/Condemnation
    - » 6 month appeal period



Timing for Acquisitions

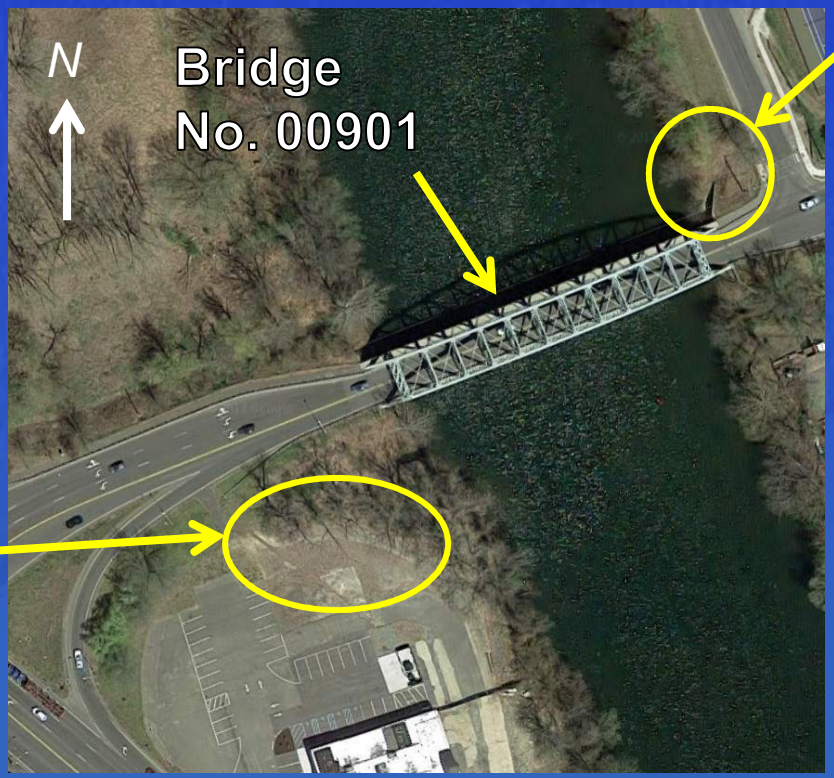
- **All property rights must be acquired by the Project Advertisement Date**

- **Current Project Advertisement Date: 2/27/2019**

Right-of-Way Impacts

Anticipated Impacts to Adjacent Properties

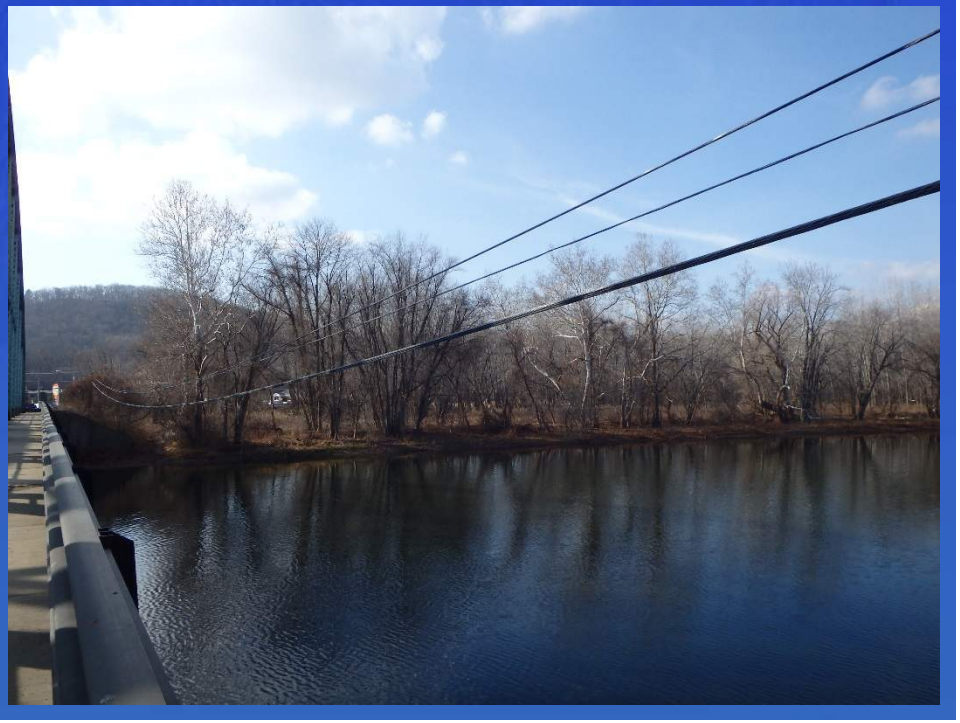
- Construction easement need for storage of materials and equipment at southwest corner and access for barge at northeast corner



Utility Impacts

The following utilities will require protection within the project limits:

- Overhead communication wires along the north side
- Electrical conduits and gas main mounted to lower chord of the south truss
- Communication conduits under sidewalk on north side



Project Cost and Schedule

Schedule

- Construction Start: Spring 2020
- Completion: Fall 2020

Cost

- Total construction cost for the project is currently estimated at $3,400,000
- Rehabilitation of this bridge will be undertaken using State and Federal Funds under the "National Highway Performance" Program and "Surface Transportation Program – Other Urban" Program.

The cost and schedule are preliminary and are subject to change.

Contact Information

Thank You
Questions and Comments

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