



PROJECT SUMMARY SHEET

Reconstruction of Bridge MA-14 on County Route 6, Amboy Avenue/ West Front Street, over Matawan Creek in the Township of Aberdeen and the Borough of Keyport, Monmouth County, New Jersey

PROJECT SCOPE:

Replacement of Bridge MA-14 and reconstruction of the approach roadways; improved design and safety standards; improved navigable clearances.

The existing curb to curb bridge width is 26'-2" feet and is proposed to be widened to 32 feet, providing 12 foot wide lanes, 4 foot wide shoulders and 6 foot wide sidewalks. The posted speed on CR 6 varies from 25 mph to 35 mph.

A transition of 30 mph to 35 mph occurs near the easterly project limit; suggesting a Project design speed of 40 mph. Due to the property impacts resulting from a design based on a 40 mph speed limit, the design speed was reduced to 35 mph and the roadway will be posted at 30 mph within the project limits.

The Project involves the replacement of the existing four span steel girder bridge on a similar alignment to the existing and with a similar structure type. The existing bridge and approaches are within the 100-year flood area and subject to impacts from high tides and storm surge flooding. The roadway profile will be raised to provide 12 feet of clearance above Mean High Water (MHW) within the navigational channel. The new (4) span bridge will be approximately 350 feet long and will consist of:

- Reinforced concrete abutments and piers supported by drilled shaft foundations.
- Roadway supported on Column Supported Embankment System.
- Painted steel girders.
- Reinforced concrete deck slabs and sidewalks.
- Bridge traffic and pedestrian barriers consisting of open steel railing systems.
- Decorative pedestrian lighting provided on both sides of the bridge.
- Reconstruction of the approach roadways: asphalt surfaced roadways, retaining walls, sidewalks and upgraded safety features.

The proposed sidewalks will extend to the intersection of West Front Street and Washington Street. Storm sewers, curb, beam guide rail, driveways, bituminous concrete pavement, and concrete approach slabs will be provided within the roadway approaches.

The bridge carries multiple utilities including an 8-inch water line and a 12-inch sanitary sewer force main on the south side and Verizon conduits and a 16-inch gas transmission line on the north side. Overhead utilities include JCP&L tower transmission lines as well as electric, cable, and telephone service lines on poles along the approach roadway.

PROJECT SCHEDULE:

- Bid Date: Summer 2015
- Construction Start Date: Fall 2015
- Anticipated Bridge Closure: May 2016-July 2017
- Estimated Completion Date: Summer 2017

Year Built: 1916

Major Rehabilitation: 1960 – Converted bridge to non-movable structure

Length: 271 ft. Width: 26'-2" ft

Currently Posted: 5 Tons



MAINTENANCE OF TRAFFIC (VEHICULAR/PEDESTRIAN):

The bridge will be reconstructed under a full closure. CR 6 traffic will be detoured to Route 35. Prior to demolition of the existing structure, all utilities will be relocated under Matawan Creek employing directional drilling techniques. A shuttle will be provided to accommodate pedestrian access.

UTILITIES:

- **JCP&L** (electric): Relocate overhead electric line relocations on roadway approaches; no relocation of transmission towers.
- **Verizon** (telephone): Relocate overhead telephone lines, underground cable and fiber optic lines. Relocate all facilities supported by the existing bridge and all submarine cables under the Matawan Creek. All facilities will be relocated using directional drilling.
- **Township of Aberdeen** (sewer): Relocate 12” sewer force main using directional drilling.
- **Township of Aberdeen/Borough of Keyport** (water): Relocate 8” main using directional drilling. The existing pipe is currently out of service.
- **New Jersey Natural Gas** (gas): The gas main will be relocated beneath the stream using directionally drilling.
- **Cablevision** (cable TV): Relocate overhead cable on the Aberdeen Township approach.

ROW:

Acquisitions/easements will be required from seven property owners. Riparian grants and licenses from the NJDEP Bureau of Tidelands are required for construction of wider bridge structure and for utility relocations to the south of the bridge.

PERMITS:

The following environmental permits have been approved:

New Jersey Department of Environmental Protection (NJDEP)

- CAFRA Individual Permit
- Waterfront Development Permit
- Coastal Wetlands Permit
- Freshwater Wetlands General Permit #10A
- Water Quality Certificate
- Tidelands License approved/ Tidelands Grant (pending)
- NJPDES Construction Activity Stormwater (pending)

United States Department of the Army Corps of Engineers (USACE)

- Nationwide Permit (NWP) #23 Categorical Exclusion
- Timing restrictions for in-water work Jan 1 – June 30.

United States Coast Guard (USCG)

- Bridge Permit included Essential Fish Habitat

National Marine Fisheries Service

- Essential Fish Habitat

Freehold Soil Conservation District:

- Soil Erosion & Sediment Control certification (pending)

PROJECT CONTACTS:

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