CRADOCK BRIDGE REHABILITATION  
ROUTE 38 (MAIN STREET) OVER THE MYSTIC RIVER

**Scope of Work:** The project consists of construction to replace the approach roadways, sidewalks, and most of the existing bridge structure, with the original stone masonry arch bridge spans to remain. The proposed bridge will follow the same alignment and roadway profile as the existing bridge. Numerous utilities are currently located on the Cradock Bridge and will be relocated within utility bays on the new bridge structure and remain out of sight. To accommodate current traffic volumes a temporary bridge will be constructed to maintain the northbound vehicles during the phases of reconstruction. This temporary bridge will carry northbound traffic from the intersection of Main Street with the Mystic River Parkway/Route 16 to Clippership Drive. This temporary traffic reconfiguration requires a full closure of the Route 16 westbound off-ramp which will remain closed for the duration of the project. Cofferdams will be required to remove portions of the old dam structure at the western edge of the bridge. The existing piers and abutments will then be extended to support new precast concrete arch spans and restore the hydraulic opening provided by the existing stone arch spans. A new concrete deck and steel stringers will replace the existing steel stringer span. The proposed bridge will have four 11-foot wide travel lanes, 4-foot shoulders, low profile BR-2 steel rail crash barrier, one 11-foot sidewalk, one 7-foot sidewalk, and ornamental steel railing with the existing granite stone pilasters.

- **Contract No.:** 83654
- **Funding Source:** ABP (NFA)
- **Contractor:** R. Zoppo Corp.
- **Consultant:** AECOM
- **Completion date:** November 4, 2018
- **Resident Engineer:** Michael Winnick
- **Budget:** $ 12.8 million
- **Spending to Date:** $ 9.03 million

**Current Status:** The project is currently 71.0% complete with the Phase 3 traffic patterns in place, including temporary concrete barrier delineating the work zone. Concrete placements for the phase 3C bridge deck and span 2 and 3 distribution slab are complete. Stone veneer installation on the west side of the bridge is 95% complete. BR-2 curb concrete placements on the bridge are complete. Sidewalk reconstruction off the bridge is ongoing. BR-2 bridge rail and ornamental hand rail installation is ongoing.

**Upcoming Work Activities:** The last course of stone veneer installation will be done in early September. Excavation, sub-base backfill, grading, and compaction for roadway reconstruction will begin the week of 9/11/2017.
Progress Photos: