District Four – Project Briefing
August 12, 2016

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.

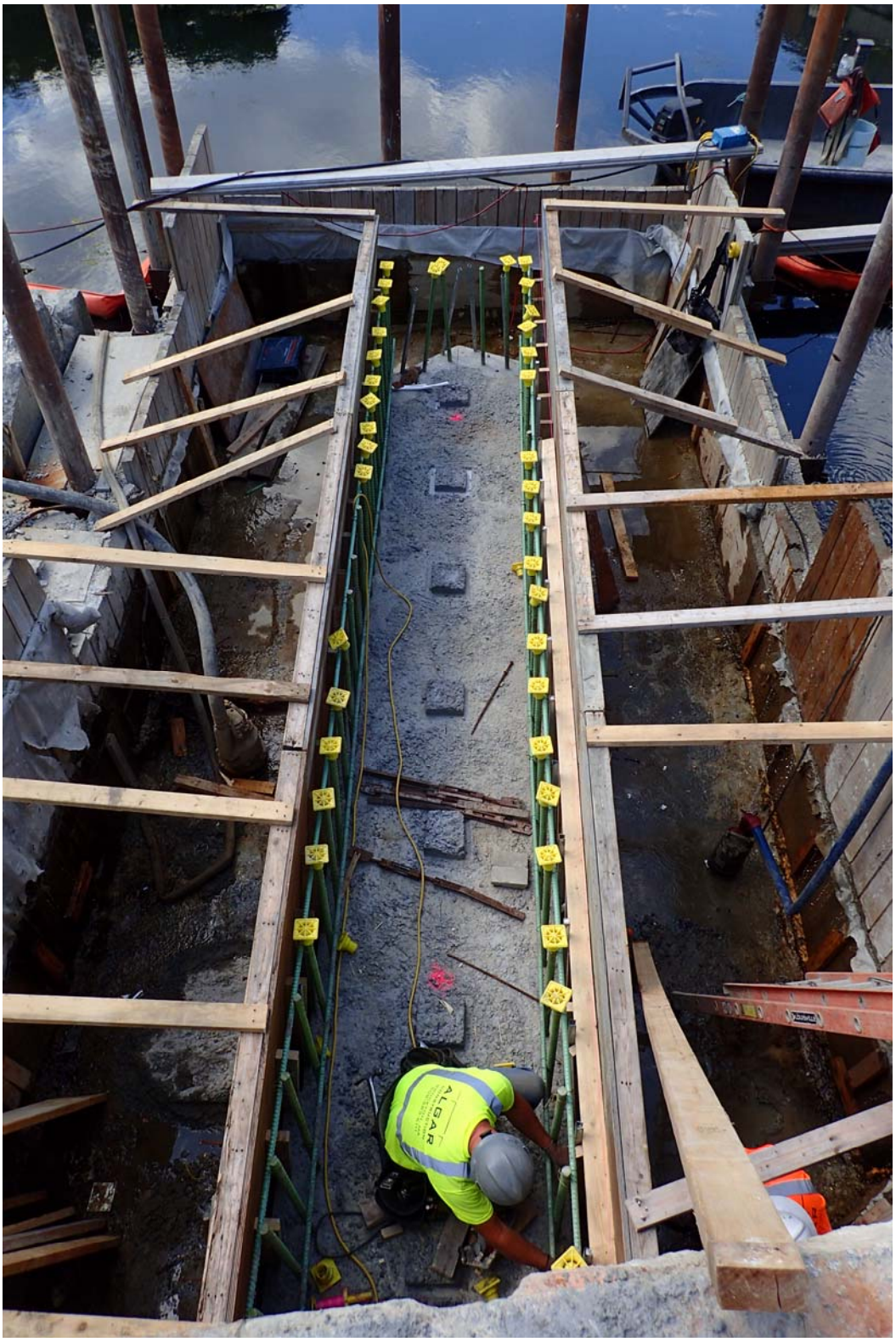
Contract No.:	83654	**Funding Source:**	ABP (NFA)
Contractor:	R. Zoppo Corp.	**Consultant:**	AECOM
Completion date:	November 4, 2018	**Resident Engineer:**	Michael Winnick
Budget:	$ 12.8 million	**Spending to Date:**	$ 5.34 million

Current Status: The project is presently 43.5% complete with the Phase 3 traffic patterns in place, including temporary concrete barrier delineating the work zone. Phase 3B will include demolition of the western portion of the bridge and dam structure, cofferdam installation, pier - abutment substructure reconstruction, setting of new steel beams, and new concrete decks. Currently carpentry and iron worker subcontractors are reconstructing the north and south piers. Concrete repairs to the river walls are also ongoing.

Upcoming Work Activities: Temporary water service will be installed in mid-August prior to the water main and drainage structure replacement at the end of the month. The remaining dam walls will be demolished following concrete placements for the pier reconstruction. Stone veneer will be installed on the piers once the concrete reconstruction is complete.

Note: Additional project information and history can be found by visiting MassDOT's website at: http://www.massdot.state.ma.us and clicking on the Projects tab, then selecting "Current Road and Bridge Projects"

Progress Photos:



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