



ENGINEERING SUCCESS TOGETHER

WEEKLY SUMMARY REPORT

Clients: Newton & Needham DPW
Contract: Central Ave/Elliot St Bridge
Contractor: Aetna Bridge Company

Dates: 8/1/2016 to 8/5/2016
Inspector(s) on site: JD & ND

WORK COMPLETED THIS WEEK

- Demolition of the northwest wingwall
- Excavation for the new northwest wingwall footing
- Excavation of the fill over the arches
- Unforeseen obstructions were encountered during the excavation of the fill over the arches. Steel beams were encountered in the fill. Three beams were lying longitudinally down the approximate center of the bridge, and were supported by the crowns of the arches. Additionally, a layer of concrete approximately 6" to 16" thick was found to be covering the arches for a width of approximately 12' from the south spandrel wall. These obstructions delayed the contractor; he was forced to excavate carefully around the beams to determine whether there were any connections to the arch. There will be an additional delay and cost in order to remove the concrete covering the arches.
- A crew will be working Saturday, August 6.

WORK ANTICIPATED FOR NEXT WEEK

- Excavation of the fill over the arches
- Removal of the layer of the existing concrete partially covering the arches
- Replacement of missing arch keystones
- Parging of arch joints
- Formwork for northwest wingwall footing
- Cutting micro piles to cutoff elevations

PHOTOS



Steel Beams Uncovered During Excavation of Arch Fill
8/3/2016



Excavation for Northwest Wingwall Footing
8/3/2016

PHOTOS



Excavation Adjacent to Concrete Course Covering Arches (Right)
8/4/2016



Excavation of Fill Between Arches and Micropiles
8/4/2016