



North Main Street Bridge Replacement Bi-weekly Progress Report September 21, 2010

This report provides a summary of work associated with the construction efforts being advanced toward the replacement of the North Main Street Bridge over Widow Harris Brook. Below is a summary of work that the contractor, George R. Cairns and Sons, Inc. (GCS) completed during the weeks of **September 5 – September 18, 2010**.



Week 1.

- Dewatering: Contractor placed crane bags and sand bags in Widow Harris Brook to create a cofferdam for dewatering the work zone. Installation of pumps and hoses for dewatering and sedimentation.
- Field Investigation: Contractor advanced a number of exploratory test pits to confirm the locations of utilities in the proximity of the work zone.
- Demolition: Later in the week, excavation of the bridge footprint began including the removal of the existing stone and concrete bridge. During excavation, large boulders and ledge were encountered that required breaking apart with a hoe ram (excavator mounted jack hammer).



Week 2.

- Excavation: Early in the week, the Contractor excavated and prepared the southern footing footprint. A sump was established in the southeastern corner to dewater the work zone.
- Footing Construction: Contractor placed graded stone as a bed for the pre-cast footing pieces. The southern footing sections were placed on Wednesday, September 15. The heaviest pieces weighed close to 24Tons and required two excavators to place them. The end of the week was spent excavating for the northern footings and placing graded bedding stone for them.
- Stream Stabilization: Contractor finished the week placing large rip-rap in the bottom of the channel.