



MANCHESTER STREET BRIDGE OVER PENNICHUCK BROOK Nashua and Merrimack, NH

CLIENT

Town of Merrimack, NH
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City of Nashua, NH
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PROJECT COMPLETION

Design is ongoing



DESCRIPTION

The City of Nashua and the Town of Merrimack were in need of replacing this narrow jack-arch bridge while minimizing impacts to the reservoir. The reservoir serves as the municipal water supply with the main intake structure only 1,500 feet downstream of the bridge.

The existing bridge and roadway approaches are too narrow for the traffic Manchester Street experiences. The bridge is deteriorated and is on the Municipal “Red-List” of substandard bridges. The existing abutments are tall stone abutments in excess of 25 feet high. Stone retaining walls exist at the approaches to the bridge, where the roadway is within the original waterway limits.

The new bridge is recommended to be a precast box beam bridge made continuous for live load. Pile-supported stub abutments will be set behind the existing abutments; leaving portions of the existing abutments will minimize disturbance in the reservoir. The piers founded on mini-piles will be constructed through the existing retaining walls.

- Complete Bridge Replacement Services
- Public Participation
- Section 106 Cultural Resources
- Made Continuous Concrete Box Beam Bridge
- Survey
- Environmental Permitting
- Mini-Pile Foundations