

Replacement of Bridge No. 068013

Woodbury, CT



Client

The Town of Woodbury

Completion Date

2018 Estimated

Description

Zuvic Carr was selected by the Town of Woodbury to design a replacement for Middle Quarter Road Bridge over South Brook and associated roadway improvements. The existing bridge has a 12-foot span, 11-foot curb-to-curb width, and contributing drainage area of 2.0 square miles.

Contract drawings, specifications, quantity estimates, and cost estimates are being prepared in accordance with the Connecticut Department of Transportation (CTDOT) State Local Bridge Program, applicable CTDOT and AASHTO design standards (bridge, roadway, and drainage) and regulatory agency approvals.

Our initial tasks included preparing a wetland evaluation report, analyzing the hydrology and hydraulics of South Brook to establish the proper hydraulic opening for a replacement structure, and evaluating different structure types and costs in order to recommend a preferred structure type.

The replacement structure will be an 11' wide by 7' high precast concrete box culvert. Zuvic Carr prepared design drawings, presented the project concept at a Public Informational Meeting, prepared a geotechnical study as well as local, State, and federal permit applications. We are assisting the Town during the bid phase by preparing contract documents and forms, attending a pre-bid meeting, addressing questions, tabulating and evaluating the three lowest bids received, and their qualifications.