

PP-168-003 Intersection Improvements at Route 6, 61 & Quassapaug Rd in the Town of Woodbury



Project Background: Route 6 is a high-speed rural road with free flow and no traffic control through the intersection. Route 61 and Quassapaug Road are stop controlled side streets with median islands separating the in and out maneuvers. There are poor sightlines from Quassapaug Rd looking both left and right onto Route 6 due to vegetation and tree limbs. The median separated side streets contribute to driver confusion when trying to make turning maneuvers against high-speed Route 6 traffic. This intersection has been experiencing a high crash rate with many crashes resulting in serious injuries including a fatal crash in 2018.

Project Purpose: The purpose of this project is to reduce the occurrences of angle type injury crashes at the intersection of Route 6, Route 61 and Quassapaug Road

Please Note: This is a conceptual proposal. No project funding, design schedule or construction schedule has been assigned yet.

Design Option 1

Geometric improvements to the existing stop-controlled intersection configuration including removal of median islands and channelized right turn island, as well as providing a right turn lane on Route 6 westbound. Roadside vegetation and tree limbs will be cut to provide adequate sightlines from Quassapaug Rd. No widening of the intersection pavement is anticipated, and the majority of impacts will be within the existing pavement area. Any impacts outside of the existing pavement area will be limited to improving the drainage outfalls into wetland areas.

Design Option 2

Construction of a modern roundabout that would require realignment and minor widening along all 4 legs of the intersection. The widening and associated roadside grading would affect roadway drainage features and drainage outfalls into wetland areas. No significant structure work on Bridge #01980 is anticipated. A roundabout at this location would create a speed control feature along the Route 6 corridor through the reduction in speed that is necessary to enter a roundabout. Roundabouts in Connecticut have a proven record of reducing high speed angle injury crashes.

