

**CONNECTICUT DEPARTMENT OF TRANSPORTATION
ROUTE 85 CTSS REPLACEMENT
TOWN OF WATERFORD
STATE PROJECT NO. 0152-0164**

Project Description:

The project limits on Route 85 (Broad Street) are from Jefferson Avenue (Int. No. 152-211 to the south) to the I-395 southbound off ramp (Int. No. 152-228 to the north). This project will provide full replacement of the traffic signal equipment and new fiber optic interconnect at 10 intersections within the Route 85 corridor. The replacement of the Computerized Traffic Signal System (CTSS) communications system will establish reliable fiber optic communication connections between the signalized intersections with wireless communications back to the CTDOT's Newington Administration building and will allow for the implementation of advanced technologies to monitor traffic and reduce travel times. Specifically, the CTSS Components of the project will entail:

- Advanced traffic signal controllers to provide updated traffic signal and data collection functionality.
- Fiber optic interconnect among all project intersections to provide reliable, high bandwidth communications.
- Upgrade wireless communications back to the CTDOT's central traffic signal control software.

Traffic signal equipment/components such as span poles/mast arms, signal heads, signage, pre-emption, and detection will be upgraded to the latest standards. Where applicable, pedestrian control features will be upgraded or installed to include accessible pedestrian signals (APS) with pushbuttons and countdown signal heads. The project also incorporates (as needed) construction/reconstruction of curb ramps, blended transitions, sidewalk extensions, landing areas, detectable warning surfaces, realignment of skewed crosswalk pavement markings and associated adjustments to stop bars and detection zones, review of signal timings (including clearance intervals, pedestrian timings, and coordination information where applicable). All work will be designed to stay within the limits of the existing right-of-way where possible. However, construction and/or permanent easements may be needed for signal appurtenances and/or sidewalk ramps.

Purpose and Need Statement:

The purpose of this project is to replace the aging traffic signal infrastructure along the Route 85 corridor in the Town of Waterford, as needed for a state of good repair, by replacing the existing Computerized Traffic Signal System (CTSS). The replacement of the CTSS will involve new fiber optic communications and will allow Connecticut Department of Transportation (CTDOT) to continue the deployment and use of advanced traffic signal technology to monitor and reduce travel times.

The project will consist of the following locations:

City/Town	Location Description
Waterford	CT Route 85 at Jefferson Avenue (Int. No. 152-211)
	CT Route 85 at I-95 Northbound Off Ramp (Int. No. 152-231)
	CT Route 85 at I-95 Southbound Off Ramp (Int. No. 152-225)
	CT Route 85 at Crystal Mall South Drive (Int. No. 152-226)
	CT Route 85 at Dayton Place (Int. No. 152-214)
	CT Route 85 at Crystal Mall North Drive (Int. No. 152-227)
	CT Route 85 at Target Drive (Int. No. 152-241)
	CT Route 85 at Cross Street (Int. No. 152-221)
	CT Route 85 at Douglas Lane (Int. No. 152-229)
	CT Route 85 at I-395 Southbound Off Ramp (Int. 152-228)