

**CONNECTICUT DEPARTMENT OF TRANSPORTATION
ROUTE 10 CTSS REPLACEMENT
TOWN OF SOUTHTON
STATE PROJECT NO. 0131-0213**

Project Description:

This project will replace the aging traffic signal infrastructure at intersections on State Route 10 in the town of Southington by installing new traffic signal equipment and replacing the existing Computerized Traffic Signal System (CTSS) communications. The project limits on Route 10 are from Flanders Street/Cemetery Driveway (131-239) to the north to Old Turnpike Road (131-205) to the south. This project will provide full replacement of the traffic signal equipment at nine (9) intersections and new fiber optic interconnect between the intersections.

The traffic signal equipment will be upgraded to the latest standards such as span poles/mast arms, signal head placement, upgraded signage, pre-emption, and detection. Where applicable, pedestrian control features to be upgraded or installed include accessible pedestrian signals (APS) with pushbuttons and countdown signal heads, and installation of activated No Turn on Red (NTOR) prohibition signs, consistent with the CTDOT's Complete Streets controlling design criteria. The project also includes 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 detector locations, review of signal timings (including clearance intervals, pedestrian timings, and coordination information where applicable), evaluation of any existing "When Flashing Stop Ahead" signs, crosswalk and transit stop illumination, bus stop pads at transit stops, and potential guide rail revisions in conjunction with the installation of new mast arms, span poles, or pedestals. All work should attempt to be within the limits of the existing right-of-way (ROW). However, construction and/or permanent easements may be needed for signal appurtenances and/or sidewalk ramps. New sidewalk may be installed at some intersections.

Purpose and Need Statement:

The purpose of this project is to replace the aging traffic signal infrastructure along the Route 10 corridor in the Town of Southington, as needed for a state of good repair, by replacing the existing Computerized Traffic Signal System (CTSS). The replacement of the CTSS communications system will establish reliable fiber optic communication connections between the signalized intersections.

New underground fiber optic cable will be used for communications between intersections within the project area. Wireless systems will be utilized for communications to the CTDOT's Administration building and will allow for the implementation of advanced technologies to monitor traffic and reduce travel times.

The project will consist of the following nine (9) locations:

City/Town	Location Description
Southington	Route 10 (Queen Street) at Flanders Street/Cemetery Driveway (Int. No. 131-239)
	Route 10 (North Main Street) at Curtiss Street/Shopping Plaza Access Drive (Int. No. 131-210)
	Route 10 (North Main Street) at Hobart Street (Int. No. 131-230)
	Route 10 (North Main Street) at Mill Street (Int. No. 131-257)
	Route 10 (North Main Street) at High Street and Merrell Street (Int. No. 131-209)
	Route 10 (North Main Street) at Center Street and Riccio Way (Int. No. 131-208)
	Route 10 (Main Street) at Columbus Avenue and Berlin Avenue (Int. No. 131-207)
	Route 10 (Main Street) at Route 120 and School Access Drive (Int. No. 131-206)
	Route 10 (Main Street) at Old Turnpike Road (Int. No. 131-205)



