

**CONNECTICUT DEPARTMENT OF TRANSPORTATION  
ROUTES 187 & 218 CTSS REPLACEMENT  
TOWNS OF BLOOMFIELD & WINDSOR  
STATE PROJECT NO. 0011-0165**

**Project Description:**

This project will replace the aging traffic signal infrastructure at intersections on State Routes 218 and 187 in the towns of Bloomfield and Windsor by installing new traffic signal equipment and replacing the existing Computerized Traffic Signal System (CTSS) communications. The project limits on Route 218 are from Packard Street (011-248) in Bloomfield to the west to the I-91 northbound ramps (164-251) in Windsor to the east. The project limits on Route 187 in Bloomfield are from Route 218 (011-211) to the south to Park Avenue (011-214) to the north. This project will provide full replacement of the traffic signal equipment at ten (10) 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 CT Routes 218 and 187 corridors in the Towns of Bloomfield and Windsor, 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. No overhead interconnect with mountings to utility poles will be permitted. 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 10 locations:

<u>Town/City</u>	<u>Int. #</u>	<u>Description</u>
Bloomfield	011-214	CT Route 187 at Park Avenue
Bloomfield	011-212	CT Route 187 at Walsh Street and Englewood Avenue
Bloomfield	011-211	CT Route 187 at CT Route 218 (Cottage Grove Road)
Bloomfield	011-248	CT Route 218 at Packard Street
Windsor	164-283	CT Route 218 at Columbia Road and Commuter Lot Driveway
Windsor	164-248	CT Route 218 at I-291 Ramps
Windsor	164-247	CT Route 218 at Matianuck Avenue
Windsor	164-249	CT Route 218 at I-91 Southbound Ramps
Windsor	164-250	CT Route 218 at I-91 HOV Ramps
Windsor	164-251	CT Route 218 at I-91 Northbound Ramps

