

Project Title: Installation & Revision of Traffic Control Signals in District 2

Project Number: 0172-0535PE

General Project Description: Project No. 0172-0535 will install new traffic control signal equipment, which may include mast arms, span poles, pedestals, signal heads, span wires, conduits, vehicle detectors, signing and pavement markings and will upgrade pedestrian control features, which may include pedestrian countdown heads, sidewalk ramps and sidewalk extensions, to meet current department standards and will remove existing equipment, as needed, at the intersection. Installation of traffic control signal equipment will require excavation of existing equipment as well as excavation for new foundations (span pole, mast arm, pedestal, controller cabinet, etc.) and trenching (i.e. conduit) as required. In addition to excavation for traffic signal equipment, excavation may be required for sidewalk ramps that will be installed or reconstructed to meet current ADA standards. In areas of an intersection where there is existing signal equipment, excavation will take place in areas that have undergone extensive ground disturbance in the past. In areas of an intersection where there is no existing signal equipment, excavation may be in areas where there may not have been extensive ground disturbance in the past. There is significantly less than one acre of disturbance for each location.

The intersections below each consist of new signal equipment being installed at an existing signalized location:

Full Upgrades

<u>Town/City</u>	<u>Int. #</u>	<u>Description</u>
1. Chaplin	024-202	U.S. Route 6 (Willimantic Road) at Lynch Road
2. Griswold	057-205	Route 138 (Pachaug Road) at Edmond Road and Bethel Road
3. Griswold	057-208	Route 138 (Pachaug Road) at Route 201 (Hopeville Road and Glasgow Road)
4. Ledyard	071-207	Route 117 (Colonel Ledyard Hwy) at Route 214 (Stoddard's Wharf Rd and Iron St.)
5. New London	094-220	SR 908 (Colman Street) at SR 623 Ramps and Colman Street
6. Norwich	103-237	Route 32 (West Thames Street) at Dunham Street
7. Old Saybrook	105-219	U.S. Route 1 (Boston Post Road) at Lynde Street
8. Plainfield	108-210	Route 12 (Norwich Road) at Lathrop Road
9. Plainfield	108-212	Route 12 (Norwich Road) at Dow Road
10. Plainfield	108-214	SR 647 (Lathrop Road) at I-395 SB Ramps and Old Norwich Road

Purpose and Need Statement:

The purpose of this project is to replace the aging traffic signal infrastructure at various intersections in District 2, as needed for a state of good repair.