

Project Title: Installation & Revision of Traffic Control Signals in Central Connecticut

Project Number: 0171-0523

General Project Description:

Project No. 0171-0523 has been initiated to replace the aging traffic signal infrastructure at intersections on State roads in District 1, as needed for a state of good repair, by installing new traffic signal equipment. There are twenty-one (21) locations that have been screened and identified by the CTDOT that will benefit from equipment replacement or revision. This project will provide full replacement of the traffic signal equipment at nine (9) intersections located in Enfield, Hartford, and Middletown, and partial upgrades at twelve (12) intersections located in Enfield, Middletown, and South Windsor.

For full replacement locations, the traffic signal equipment will be upgraded to the latest standards, such as span poles/mast arms, signal heads, signage, and detection equipment. Where applicable, pedestrian control features to be upgraded or installed include accessible pedestrian signals (APS) with pushbuttons and countdown signal heads, and activated No Turn on Red (NTOR) prohibition signs. The project also includes construction/reconstruction of curb ramps and sidewalk extensions, realignment of crosswalk pavement markings and associated adjustments to stop bars, review of signal timings (including clearance intervals, pedestrian timings, and coordination information where applicable), crosswalk and transit stop illumination, bus stop pads at transit stops, and potential guide rail revisions. All work will attempt to be within the limits of the existing right-of-way. However, construction and/or permanent easements may be needed for signal appurtenances and/or sidewalk ramps.

For partial replacement locations, traffic equipment modifications will be limited to replacement of a single support structure, pedestrian facility upgrades, and/or work at the controller cabinet.

The project will consist of the following locations:

Traffic Control Signal – Full Replacement:

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| 1. | 048-236 | Enfield | U.S. Route 5 (Enfield St) at Parker St and Plaza Driveway |
| 2. | 063-222 | Hartford | Route 187 (Blue Hills Ave) at Westbourne Pkwy |
| 3. | 063-225 | Hartford | Route 187 (Blue Hills Ave) at Tower Ave |
| 4. | 063-224 | Hartford | Route 187 (Blue Hills Ave) at Holcomb St |
| 5. | 063-223 | Hartford | Route 187 (Blue Hills Ave) at Plainfield St |
| 6. | 063-295 | Hartford | Route 187 (Blue Hills Ave) at Branford St |
| 7. | 063-226 | Hartford | Route 187 (Blue Hills Ave) at Burnham St and East Burnham St |
| 8. | 082-239 | Middletown | Route 3 at (Newfield St) Stoneycrest Dr and Driveway to Bacon Village |
| 9. | 082-258 | Middletown | Route 3 at (Newfield St) La Rosa Ln |

Traffic Control Signal – Partial Replacement (replace one support structure only):

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| 10. | 132-208 | S. Windsor | U.S. Route 5 (John Fitch Blvd) at Pleasant Valley Rd - Replace Mast Arm 132-208-D |
| 11. | 132-210 | S. Windsor | U.S. Route 5 (John Fitch Blvd) at Strong Rd – Replace Mast Arm 132-210-A |

Traffic Control Signal – Partial Replacement (upgrade pedestrian facilities and replace controller):

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| 12. | 048-204 | Enfield | U.S. Route 5 (Enfield St) at S.R. 515 (Frew Ter) and Route 190 On-Ramp |
| 13. | 048-203 | Enfield | U.S. Route 5 (Enfield St) at S.R. 514 (Franklin St) and Route 190 Off-Ramp |
| 14. | 048-205 | Enfield | U.S. Route 5 (Enfield St) at High St |
| 15. | 048-235 | Enfield | U.S. Route 5 (Enfield St) at Montano Rd and Dunkin Donuts Driveway |
| 16. | 048-209 | Enfield | U.S. Route 5 (Enfield St) at Brainard Rd and Sunset Dr |
| 17. | 048-247 | Enfield | U.S. Route 5 (Enfield St) at I-91 SB Ramps |
| 18. | 048-226 | Enfield | U.S. Route 5 (Enfield St) at I-91 NB Ramps, Bright Meadow Blvd, and Private Drive |
| 19. | 082-217 | Middletown | Route 3 (Newfield St) at Westfield St |

Traffic Control Signal – Partial Replacement (replace controller only):

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| 20. | 048-206 | Enfield | U.S. Route 5 (Enfield St) at Route 220 (Elm St) and North Main St |
| 21. | 048-207 | Enfield | U.S. Route 5 (Enfield St) at Alden Ave and Belmont Ave |