

**Berlin, Newington, & Wethersfield
Proposed Computerized Traffic Signal System (CTSS)**

Project No.: 0007-0250

FAP No.: 000T(120)

Project Description

Project Location: This project includes the design and installation of a Computerized Traffic Signal System with connected vehicle technology along a 4.75 mile long segment of U.S. Route 5 and U.S. Route 15 from Selden Street/Rowley Street in Berlin to Nott Street in Wethersfield. This project includes engineering design of the following Fifteen (15) state-owned traffic signals:

<u>Intersection #</u>	<u>U.S. Rte. 5 & Rte. 15 at:</u>	<u>Intersection #</u>	<u>U.S. Rte. 5 & Rte. 15 at:</u>
007-209	Selden Street and Rowley Street	093-247	CTDOT Northern Drive
093-224	Webster Street and Modern Tire Drive	093-228	Kitts Lane
093-227	Pane Road and Circuit City Driveway	093-234	Route 287
093-255	Lowe's And Target Driveways	159-210*	Arrow Road and Pent Road
093-201	Route 173 and Deming Street	159-248	Pawtucket Street
093-245	Pascone Place	159-249	Route 314
093-229	Route 176 and Griswoldville Ave	159-228	Nott Street
093-248	CTDOT Southern Drive		

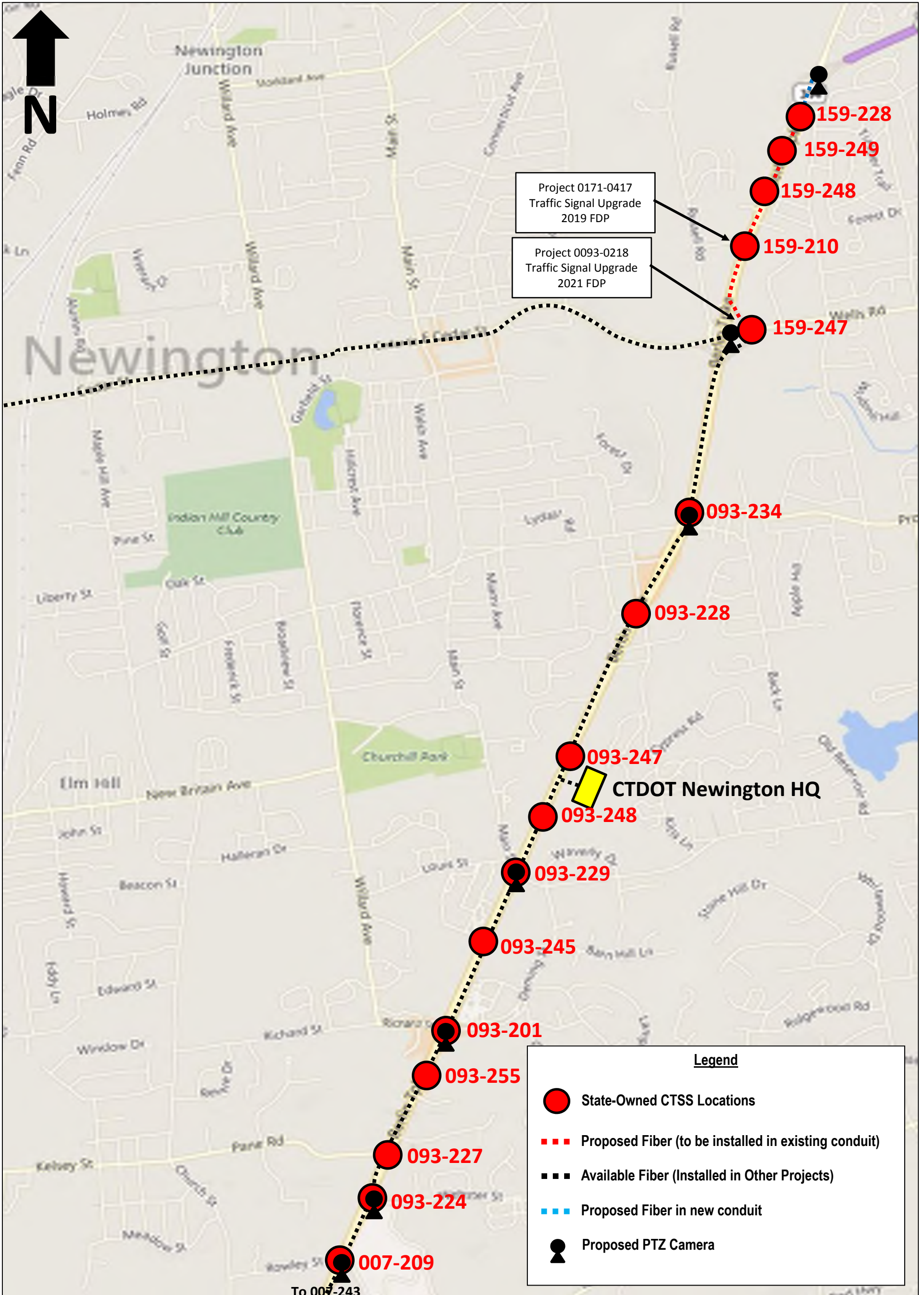
*Communications upgrade only. Signal scheduled for replacement under Project 171-417.

Project Description: Many of the traffic signal control cabinets, steel span poles / mast arms, signals heads, and related equipment at these intersections are an estimated 20-30 years old, do not meet current MUTCD standards, and have surpassed their life expectancy. This project will replace the existing traffic signal equipment at the locations outlined above and depicted on the attached Project Location Plan (Figure 1), and will upgrade the communication interface for the Department to support efficient traffic signal operations. The communications interconnect necessary between the intersections will be made within existing conduit or will utilize existing fiber optic cable installed under previous projects.

In addition to the traffic signal replacements, two pan-tilt-zoom cameras will be installed along Route 15 on new foundations/steel poles as part of this project.

Schedule:	DA/RW OBL:	4/29/2020
	FDP:	3/3/2021
	DCD:	4/14/2021
	ADV:	5/12/2021

**CONNECTICUT DEPARTMENT OF TRANSPORTATION
STATE PROJECT NO. 0007-0250: PROPOSED PROJECT LOCATION**



PLEASE NOTE THE FOLLOWING:

1. Fiber Optic Cable location is for illustration purposes only. A more detailed fiber sketch can be prepared in the future.
2. Fiber Optic Cable is available for the majority of the locations through other projects but needs to be spliced to cabinet to achieve communication.
3. The CTSS interconnect cable is old and may be compromised. Please also note that the CTSS Interconnect plan has not been updated since 1997.