

**Newington, New Britain,
and Wethersfield**

**Coordinated Traffic Signal
System Replacement and
Upgrade**

State Project No. 0093-0218

Utility Coordination Meeting
December 18, 2018



Connecticut Department of Transportation

Project Purpose and Need

- Improve Traffic Flow
- Improve Safety
- Reduce Travel Time
- Reduce Fuel Consumption and Emissions



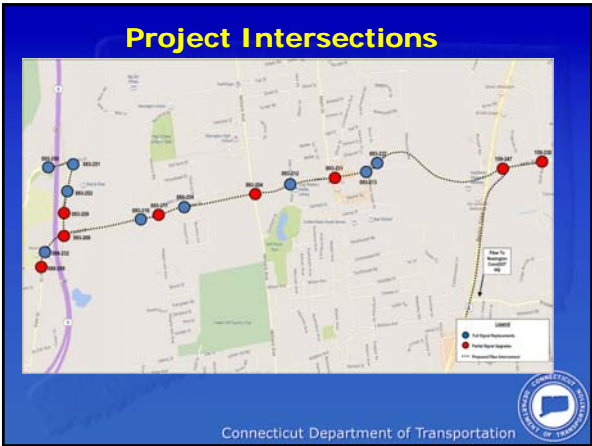
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**Proposed Project Elements at
Signalized Intersections**

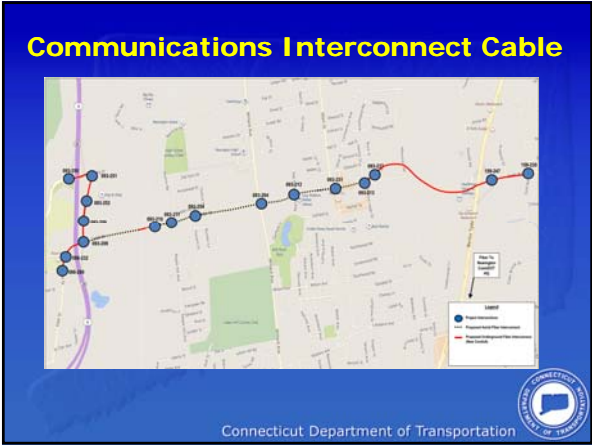
- Total of 17 Signalized Intersections
 - 9 Full Replacements
 - 8 Partial Upgrades
- Upgrade Traffic Signal Control and Communications Equipment
 - New Signal Poles (3' Dia. Foundations)
 - New Control Cabinets
 - New Pedestrian Signal Equipment
- Accessible Pedestrian Accommodations
 - Sidewalk and ADA Ramps



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- ### Proposed Project Elements Corridor-Wide
- **New Fiber Optic Communications Line**
 - Aerial between:
 - Fenn Rd (Rte 505) - SNET #3627
 - Hawley St – FTR #585
 - Note: Railroad Crossing within these limits will be in structure
 - Underground (New 2" Conduit) elsewhere
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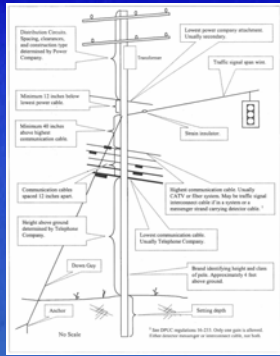
Aerial Communications Interconnect Cable Installation

- Anticipated Utility Impacts:**
- Add Dedicated Aerial Fiber-Optic Line on Existing Poles
 - Adjustment to Other Utilities Likely Necessary



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Aerial Communications Interconnect Cable Installation



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Underground Utility Conflicts

Utility Conflict Matrix

Utility No.	Utility Name	Location	Depth	Material	Notes	Conflict	Resolution	Impact	Resolution Status
1	CTDP	Water	18-24"	Steel	Water	Conflict	Relocate	18-24"	Y
2	CTDP	Electric	18-24"	Steel	Electric	Conflict	Relocate	18-24"	Y
3	CTDP	Gas	18-24"	Steel	Gas	Conflict	Relocate	18-24"	Y
4	CTDP	Electric	18-24"	Steel	Electric	Conflict	Relocate	18-24"	Y
5	CTDP	Water	18-24"	Steel	Water	Conflict	Relocate	18-24"	Y
6	CTDP	Electric	18-24"	Steel	Electric	Conflict	Relocate	18-24"	Y
7	CTDP	Gas	18-24"	Steel	Gas	Conflict	Relocate	18-24"	Y
8	CTDP	Water	18-24"	Steel	Water	Conflict	Relocate	18-24"	Y
9	CTDP	Electric	18-24"	Steel	Electric	Conflict	Relocate	18-24"	Y
10	CTDP	Gas	18-24"	Steel	Gas	Conflict	Relocate	18-24"	Y
11	CTDP	Water	18-24"	Steel	Water	Conflict	Relocate	18-24"	Y
12	CTDP	Electric	18-24"	Steel	Electric	Conflict	Relocate	18-24"	Y
13	CTDP	Gas	18-24"	Steel	Gas	Conflict	Relocate	18-24"	Y
14	CTDP	Water	18-24"	Steel	Water	Conflict	Relocate	18-24"	Y
15	CTDP	Electric	18-24"	Steel	Electric	Conflict	Relocate	18-24"	Y
16	CTDP	Gas	18-24"	Steel	Gas	Conflict	Relocate	18-24"	Y
17	CTDP	Water	18-24"	Steel	Water	Conflict	Relocate	18-24"	Y
18	CTDP	Electric	18-24"	Steel	Electric	Conflict	Relocate	18-24"	Y
19	CTDP	Gas	18-24"	Steel	Gas	Conflict	Relocate	18-24"	Y
20	CTDP	Water	18-24"	Steel	Water	Conflict	Relocate	18-24"	Y



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Project Schedule

60% (SFD) Submission: June 2019

FDP: March 2020

Advertising: May 2020

Construction Anticipated to Begin: Late 2020

Anticipated Construction Duration = 12 months



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