CONSTRUCTION NOTES

*\*Revise wording for the following notes as needed*

**GENERAL NOTES (T)**

1. ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE D.O.T. WEBSITE:

* STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION,
* SUPPLEMENTAL SPECIFICATION TO THE STANDARD SPECIFICATION,
* SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS,
* STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.

\* *Note #1 to be added to permit plans only.*

1. ALL TRAFFIC SIGNAL EQUIPMENT IS NEW.
2. ALL TRAFFIC SIGNAL EQUIPMENT IS NEW EXCEPT AS NOTED.
3. ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
4. STAKE ALL R.O.W. PRIOR TO EXCAVATION.

*\*For permits and town advertised projects.*

1. STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING\* PRIOR TO INSTALLATION.

*\*For city/municipal-owned signals, add the corresponding city/municipality.*

1. THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING\*.

(8M)

*\*For city/municipal-owned signals, add the corresponding city/municipality.*

**GENERAL NOTES (T) cont.**

1. EXCEPT FOR TEST PURPOSES, KEEP SIGNALS BAGGED PRIOR TO THE FUNCTIONAL INSPECTION (CURRENT EDITION OF THE STANDARD SPECIFICATIONS, SECT. 10.00.10). SIGNAL MAY BE PLACED IN FLASHING OPERATION NO MORE THAN 7 DAYS PRIOR TO PLACING IN NORMAL OPERATION.
2. TRIM TREE BRANCHES/VEGETATION TO \_\_\_\_. WORK TO BE PAID UNDER ITEM NO. 0952001A – SELECTIVE CLEARING AND THINNING.
3. REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.

**FOUNDATION NOTES (T)**

1. INSTALL \_\_\_\_\_ FOUNDATION ADJACENT TO AND WITHIN R.O.W.

#

1. INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREAS.
2. INSTALL \_\_\_\_\_ FOUNDATION ADJACENT TO WALK AT \_\_\_\_\_ EDGE.

**CONTROLLER NOTES (E)**

1. MODIFY CONTROLLER FOUNDATION TO ACCEPT NEW CONDUIT.
2. MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 5 COPIES OF REVISED CABINET WIRING DIAGRAMS.
3. TEMPORARILY RELOCATE EXISTING CONTROLLER TO FACILITATE INSTALLATION OF NEW CONTROLLER CABINET AND FOUNDATION UNTIL NEW CONTROLLER IS IN OPERATION.
4. CABINET DOOR TO OPEN STREET SIDE.
5. INSTALL STATE FURNISHED CONTROLLER.
6. INSTALL STATE FURNISHED CONTROLLER ON EXISTING FOUNDATION.
7. COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB. CONTACT MR. DONALD ASSARD (860) 258-0346 OR MR. MARK ZAMPINI (860) 258-0349 AT LEAST \_\_ DAYS PRIOR TO REVISION.

*\*Typically a 14 or 45 day notice shall be given depending on the Signal Lab’s involvement.*

**CONDUIT AND HANDHOLE NOTES (E)**

1. LOCATE EXISTING RIGID METAL CONDUIT. EXTEND INTO NEW HANDHOLE.

#

1. REPLACE EXISTING HANDHOLE WITH \_\_\_\_\_ CONCRETE HANDHOLE. EXTEND CONDUITS INTO NEW HANDHOLE.

#

1. INSTALL 30” X 30” HANDHOLE. ALL OTHERS TYPE II.

#

(48M)

1. INSTALL HANDHOLE BETWEEN CONCRETE WALK AND CURBING.

#

1. INSTALL INTERCONNECT HANDHOLES EQUALLY SPACED, APPROX \_\_\_\_\_ APART.
2. INSTALL CAST IRON HANDHOLE COVER.

#

**LOOP DETECTOR NOTES (E)**

1. INSTALL LOOP DETECTORS 3’ OFF EDGE OF ROAD AND 8’ APART UNLESS OTHERWISE SPECIFIED.

(61M)

1. CENTER LOOP DETECTORS IN LANE.
2. SERIES SPLICE SEGMENTED LOOPS PER LANE.

**VIDEO DETECTOR NOTES (E)**

#

VID-1

VIDEO DETECTION BY USE OF VIDEO-\_\_\_ CAMERA CO-MOUNTED WITH VIDEO-\_\_\_ CAMERA ON SPAN POLE ID #\_\_\_-\_\_\_-\_.

#

VID-2

VIDEO DETECTION BY USE OF VIDEO-\_\_\_ CAMERA MOUNTED ON \_\_’ PEDESTAL.

1. VIDEO DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED THE MANUFACTURER OR THEIR DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE CONTROLLER CABINET.

**UTILITY NOTES (E)**

1. INSTALL RISER ON \_\_\_\_ #\_\_\_\_ UTILITY POLE.
2. COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 – LEGAL RELATIONS AND RESPONSIBILITIES.
3. COORDINATE AND SCHEDULE THE FOLLOWING WORK BY \_\_\_\_\_\_\_\_\_\_:

* .
* .
* .

1. ESTIMATED LOAD ON UTILITY POLES: \_\_\_\_ #\_\_\_\_: \_\_\_\_ LBS., \_\_\_\_ #\_\_\_\_: \_\_\_\_ LBS., \_\_\_\_ #\_\_\_\_: \_\_\_\_ LBS., \_\_\_\_ #\_\_\_\_: \_\_\_\_ LBS.
2. INSTALL CABLE CLOSURE (TYPE A) INTERCONNECT CABLE.
3. SPAN ATTACHMENT ON \_\_\_\_\_ TO HAVE A MINIMUM CLEARANCE OF 12” BELOW SECONDARY & 40” ABOVE HIGHEST COMMUNICATIONS.

(80M)

1. INTERCONNECT ATTACHMENT ON \_\_\_\_\_ TO HAVE A MINIMUM CLEARANCE OF 40” BELOW SECONDARY & 12” ABOVE HIGHEST COMMUNICATIONS.

(81M)

**SPAN POLE NOTES (E)**

1. SPAN POLES WITH 2 SPAN ATTACHMENTS TO HAVE 2 SPAN CLAMPS.
2. SPAN POLE TO HAVE 2-2½” TRAFFIC SIGNAL CABLE ENTRANCE FITTINGS.

#

1. INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE \_\_\_\_\_ WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

**MAST ARM NOTES (E)**

MA-1

ALL MAST ARM MOUNTED TRAFFIC SIGNALS ARE FIXED MOUNTED TO THE ARM BY USE OF ADJUSTABLE BRACKETS.

ALL MAST ARM MOUNTED SIGNS ARE FIXED MOUNTED.

MA-2

**MAST ARM NOTES (E) cont.**

MA-3

CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS.

MA-4

MAST ARM ASSEMBLY TO HAVE MINIMUM CLEARANCE OF 24” FROM OVERHEAD COMMUNICATION CABLES.

**EMERGENCY PRE-EMPTION NOTES (E)**

EVPS-TITLE

EMERGENCY PRE-EMPTION NOTES

EVPS-1

INSTALL AUXILIARY EQUIPMENT CABINET ON \_\_\_\_\_ SIDE OF CONTROLLER CABINET. INSTALL PRE-EMPTION EQUIPMENT IN AUXILIARY CABINET.

EVPS-2

RELOCATE AUXILIARY EQUIPMENT CABINET FROM EXISTING CONTROLLER CABINET TO \_\_\_\_\_ SIDE OF NEW CONTROLLER CABINET. RELOCATE EXISTING EMERGENCY PRE-EMPTION DETECTORS TO NEW SPAN. TEST PRE-EMPTION SYSTEM PRIOR TO AND AFTER RELOCATION IN ACCORDANCE WITH SPECIFICATIONS.

EVPS-3C

CONTRACTOR TO INSTALL A SWITCH IN THE SIGNAL CABINET TO EFFECTIVELY DISCONNECT THE PRE-EMPTION EQUIPMENT FROM THE TRAFFIC SIGNAL CONTROLLER.

EVPS-3S

STATE FORCES TO INSTALL A SWITCH IN THE SIGNAL CABINET TO EFFECTIVELY DISCONNECT THE PRE-EMPTION EQUIPMENT FROM THE TRAFFIC SIGNAL CONTROLLER.

EVPS-4

PRE-EMPTION DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR HIS DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE AUXILIARY EQUIPMENT CABINET.

**TECH NOTES (T)**

TECH1

ARTERY PHASE DETECTORS TO BE NON-ACTUATING DURING COORDINATION.

TECH3

PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.

TECH4

MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PHASE \_ PEDESTRIAN CHANGE INTERVAL.

TECH5

COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.

TECH6

PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.

TECH7

TIMINGS SHOWN REFLECT FREE OPERATION.

**TECH NOTES (T) cont.**

ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE CLOSED LOOP LOCAL COORDINATION UNIT.

TECH8

TECH9

SIGNAL MAY DOUBLE CYCLE IF PEDESTRIAN PHASE IS CALLED.

TECH10

UNUSED TIME TO BE REALLOCATED.

TECH11

SPEECH MESSAGE “(*INSERT STREET NAME)*. WALK SIGN IS ON TO CROSS (*INSERT STREET NAME)*.” DURING LPI (*IF APPLICABLE)* AND PEDESTRIAN WALK INTERVAL.

TECH12

CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY PUSHBUTTON.

**MISCELLANEOUS NOTES (T)**

1. SEE SPECIAL PROVISION ITEM #1117101A – ALTERNATE FLASHING SIGNALS FOR WARNING SIGNS.
2. SEE SPECIAL PROVISION ITEM #1116110A – BLANK-OUT SIGN.
3. INSTALL NEW 8’ ALUMINUM PEDESTAL ON EXISTING FOUNDATION.

#

(90M)

1. REPLACE PEDESTRIAN SIGNAL FACE AND PUSH BUTTON, USE EXISTING PEDESTAL FOUNDATION AND PEDESTAL.

#

1. INSTALL APS AND COUNTDOWN ON EXISTING PEDESTAL.

#

1. INSTALL SIGN 41-9049 “NEW” AND 80-9052 OR 80-9053 (SIGNAL AHEAD SYMBOL) ON \_\_\_\_\_ APPROACH(ES) APPROXIMATELY \_\_ FEET IN ADVANCE OF THE INTERSECTION. REMOVE SIGN ASSEMBLY AFTER 14 CALENDAR DAYS FROM THE DATE THE SIGNAL IS PLACED IN OPERATION.
2. INSTALL SIGN 80-9049 “NEW” SUBMOUNTED WITH THE SIGNAL AHEAD SYMBOL SIGN(S). REMOVE SIGN 80-9049 “NEW” AFTER 14 CALENDAR DAYS FROM THE DATE THE SIGNAL IS PLACED IN OPERATION.
3. REMOVE EXISTING CONCRETE SIDEWALK RAMP, FURNISH AND PLACE TOPSOIL, ESTABLISH TURF, INSTALL EROSION CONTROL MATTING, AND APPROXIMATELY 8 FEET OF BITUMINOUS CURB. WORK TO BE PAID UNDER ITEMS 0202513A, 0944000, 0950019, 0950013 AND 0815001 RESPECTIVELY.

**MISCELLANEOUS NOTES (T) cont.**

PROPERTY OWNER OF (*INSERT ADDRESS)* RESPONSIBLE FOR MAJOR COMPONENT REPLACEMENT.

MAJOR

INDICATIONS

ALL INDICATIONS HAVE LED LAMPS.

BACKPLATES

ALL VEHICULAR SIGNAL FACES HAVE BACKPLATES WITH YELLOW RETROREFLECTIVE BORDER.

EVPS-OWNER

THE TOWN/CITY OWNS AND MAINTAINS THE EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT.

RRFB

REFER TO THE SAFETY ENGINEERING WEBPAGE FOR RECTANGULAR RAPID FLASHING BEACON (RRFB) GUIDELINES.

**TEMPORARY SIGNAL NOTES (T)**

TEMP-1

THE CONTRACTOR SHALL PROVIDE ALL MAINTENANCE, REPAIR, AND REPLACEMENT OF TRAFFIC SIGNAL EQUIPMENT TO MAINTAIN CONTINUOUS SIGNAL OPERATION.

TEMP-2

THE CONTRACTOR SHALL ADJUST SIGNAL TIMINGS THROUGHOUT CONSTRUCTION AS NEEDED AND AS DIRECTED.