**CONSTRUCTION NOTES** *(Revised 6/28/2023)*

**GENERAL NOTES**

GEN-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 GEN-1 to be added to permit plans only.*

GEN-2 ALL TRAFFIC SIGNAL EQUIPMENT IS NEW.

GEN-3 ALL TRAFFIC SIGNAL EQUIPMENT IS NEW EXCEPT AS NOTED

GEN-4 ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.

GEN-5 STAKE ALL R.O.W. PRIOR TO EXCAVATION. *(For permits and town advertised project only).*

GEN-6 STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

GEN-7 ANY PROPOSED REVISION 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 municipal-owned signals, substitute corresponding municipality for Division of Traffic Engineering)*

GEN-8 THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR 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. *(For municipal-owned signals, substitute corresponding municipality for Division of Traffic Engineering)*

GEN-9 REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.

GEN-10 TRIM TREE BRANCHES/VEGETATION TO \_\_\_\_\_. WORK TO BE PAID UNDER ITEM NO. 0952001A – SELECTIVE CLEARING AND THINNING.

**FOUNDATION NOTES**

FOUN-1 INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.

FOUN-2 INSTALL FOUNDATION ADJACENT TO AND WITHIN R.O.W.

FOUN-3 INSTALL \_\_\_\_FOUNDATION ADJACENT TO WALK AT \_\_\_ EDGE.

**CONTROLLER NOTES**

CONT-1 CABINET DOOR TO OPEN STREET SIDE.

CONT-2 MODIFY CONTROLLER FOUNDATION TO ACCEPT NEW CONDUIT.

CONT-3 MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV

CONT-4 TEMPORARILY RELOCATE EXISTING CONTROLLER TO FACILITATE INSTALLATION OF NEW CONTROLLER CABINET AND FOUNDATION UNTIL NEW CONTROLLER IS IN OPERATION.

CONT-5 INSTALL STATE FURNISHED CONTROLLER.

CONT-6 INSTALL STATE FURNISHED CONTROLLER ON EXISTING FOUNDATION.

CONT-7 COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION. *(use this note for all installations/revisions involving closed loop signals).*

**CONDUIT AND HANDHOLE NOTES**

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

COND-2 REPLACE EXISTING HANDHOLE WITH \_\_\_ CONCRETE HANDHOLE. EXTEND CONDUIT(S) INTO NEW HANDHOLE.

COND-3 **W** INSTALL 30” X 30” HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.

COND-4 INSTALL HANDHOLE BETWEEN CONCRETE WALK AND CURBING.

COND-5 INSTALL CAST IRON HANDHOLE COVER.

COND-6 INSTALL INTERCONNECT HANDHOLES EQUALLY SPACED APPROX.\_\_\_ FEET APART.

COND-7 CLEAN EXISTING CONDUIT(S). WORK TO BE PAID FOR UNDER ITEM NO. 1008908A – CLEAN EXISTING CONDUIT.

COND-8 CLEAN EXISTING HANDHOLE(S). WORK TO BE PAID FOR UNDER ITEM NO. 1010060A – CLEAN EXISTING HANDHOLE.

**LOOP DETECTOR NOTES**

LOOP-1 INSTALL LOOP DETECTORS 8’ APART UNLESS OTHERWISE INDICATED.

LOOP-2 CENTER LOOP DETECTORS IN LANE.

LOOP-3 SERIES SPLICE SEGMENTED LOOPS PER LANE.

**VIDEO/RADAR/THERMAL DETECTOR NOTES**

DET-1 *(VIDEO/RADAR/THERMAL)* DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR THEIR DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE CONTROLLER CABINET.

DET-2 DETECTION BY USE OF \_\_\_ MOUNTED ON LIGHT STANDARD (15’ BRACKET, 30’ MOUNTING HEIGHT) ALUMINUM.

DET-3SP DETECTION BY USE OF \_\_\_AND \_\_\_ON \_\_\_ SPAN POLE ID # \_\_\_-\_\_\_-\_.

DET-3MA DETECTION BY USE OF \_\_\_AND \_\_\_ ON \_\_\_ MAST ARM ID # \_\_\_-\_\_\_-\_.

**UTILITY NOTES**

UTIL-1 COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS, 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.

UTIL-2 SPAN ATTACHMENT ON \_\_\_ #\_\_\_ TO HAVE A MINIMUM CLEARANCE OF 12” BELOW SECONDARY AND 40” ABOVE HIGHEST COMMUNICATIONS.

UTIL-3 INTERCONNECT ATTACHMENT ON \_\_\_ #\_\_\_ TO HAVE A MINIMUM CLEARANCE OF 40” BELOW SECONDARY AND 12” ABOVE HIGHEST COMMUNICATIONS.

UTIL-4 INSTALL CABLE CLOSURE (TYPE A) INTERCONNECT CABLE.

UTIL-5 INSTALL RISER ON \_\_\_#\_\_\_ UTILITY POLE.

UTIL-6 ESTIMATED LOAD ON UTILITY POLES: \_\_\_#\_\_\_:\_\_\_LBS, \_\_\_#\_\_\_:\_\_\_LBS, \_\_\_#\_\_\_:\_\_\_LBS, \_\_\_#\_\_\_:\_\_\_LBS.

UTIL-7 COORDINATE AND SCHEDULE THE FOLLOWING WORK BY \_\_\_:

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SPAN POLE NOTES**

SPAN-1 SPAN POLES WITH 2 SPAN ATTACHMENTS TO HAVE 2 SPAN CLAMPS.

SPAN-2 SPAN POLE TO HAVE 3” TRAFFIC SIGNAL CABLE ENTRANCE FITTINGS.

**MAST ARM NOTES**

MAST-1 CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS.

MAST-2 MAST ARM ASSEMBLY TO HAVE MINIMUM CLEARANCE OF 24” FROM OVERHEAD COMMUNICATION CABLES.

**PEDESTRIAN/PEDESTAL NOTES**

PED-1 INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL AND APS PUSHBUTTON ON EXISTING FOUNDATION.

PED-2 INSTALL APS AND COUNTDOWN PEDESTRIAN SIGNAL ON EXISTING PEDESTAL.

PED-3 REPLACE PEDESTRIAN SIGNAL FACE AND PUSH BUTTON. USE EXISTING PEDESTAL FOUNDATION AND PEDESTAL.

**EMERGENCY PRE-EMPTION NOTES**

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-2SP 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-2MA RELOCATE AUXILIARY EQUIPMENT CABINET FROM EXISTING CONTROLLER CABINET TO \_\_\_ SIDE OF NEW CONTROLLER CABINET. RELOCATE EXISTING EMERGENCY PRE-EMPTION DETECTORS TO NEW MAST ARM. 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.

**NEW SIGNAL NOTES (NOT REPLACEMENTS)**

NEW-1 EXCEPT FOR TEST PURPOSES, KEEP SIGNALS BAGGED PRIOR TO THE FUNCTIONAL INSPECTION (CURRENT EDITION OF STANDARD SPECIFICATIONS, SECTION 10.00.10). SIGNAL MAY BE PLACED IN FLASHING OPERATION NO MORE THAN 7 DAYS PRIOR TO PLACING IN NORMAL OPERATION.

NEW-2 INSTALL SIGN 80-9049 “NEW” SUBMOUNTED ON PERMANENT SIGNAL AHEAD SYMBOL SIGN(S) SHOWN ON THE PLAN FOR APPROACHES NOT PREVIOUSLY STOP CONTROLLED. REMOVE SIGN 80-9049 “NEW” AFTER 14 CALENDAR DAYS FROM THE DATE THE SIGNAL IS PLACED IN NORMAL OPERATION. (*Use this note when Signal Ahead Symbol sign(s) are to remain permanently).*

NEW-3 INSTALL SIGN 80-9049 “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 NORMAL OPERATION. (*Use this note for approaches that were* ***not*** *previously stop controlled and Signal Ahead Symbol sign(s) are* ***not*** *to remain permanently).*

**MISCELLANEOUS NOTES**

MISC-1 INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE (*SPAN POLE/MAST ARM/PEDESTAL)* WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

MISC-2 SEE SPECIAL PROVISION ITEM NO. 1117101A – ALTERNATE FLASHING SIGNALS FOR WARNING SIGNS.

MISC-3 SEE SPECIAL PROVISION ITEM NO. 1116110A - BLANK-OUT SIGN.