

DIVISION OF TRAFFIC ENGINEERING  
TRAFFIC NOTES  
CELL LIBRARY  
TRANOTES.CEL

RC=TRANOTES.CEL  
AC=CELL NAME

ADDED/REV'D 9-2017

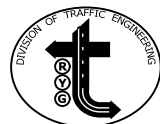
CELL NAME  
C1

CONSTRUCTION NOTES

1  
(xM) ALL TRAFFIC SIGNAL EQUIPMENT IS NEW.  
THE EQUIVALANT METRIC CEL: NOT DISPLAYED

REVISIONS:

- 3-14 MAJOR REVISIONS & "M" CELLS ARE NO LONGER SHOEN ON THIS LIST  
BUT THE CELS THEMSELVES STILL EXIST.
- 12-15 MINOR UPDATES TO #8, 93 & 96; ADDED #65
- 9-16 MINOR UPDATES TO SEVERAL NOTES; ADDED VIDEO NOTES
- 3-17 MINOR UPDATE TO WIRELESS NOTE #1; REVISED 15' TO 9'.
- 9-17 MINOR UPDATES TO NOTES #30, TECH1, TECH7, OBSOLETED TECH2 AND ADDED TECH8.



CELL NAME  
CONNT

## CONSTRUCTION NOTES

NOTE #1 TO BE  
ADDED TO  
CONSULTANT  
PERMIT PLANS ONLY

- 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 SPECIFICATIONS TO THE STANDARD SPECIFICATIONS,
  - \* SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS,
  - \* STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.
- 2 ALL TRAFFIC SIGNAL EQUIPMENT IS NEW.
- 3 ALL TRAFFIC SIGNAL EQUIPMENT IS NEW EXCEPT AS NOTED.
- 4 ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
- 5 STAKE ALL R.O.W. PRIOR TO EXCAVATION.
- 6 STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION.
- 7 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.
- 8 (8M) 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.
- 9 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.
  
- 15 (#) INSTALL FOUNDATION ADJACENT TO AND WITHIN R.O.W.
- 16 INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREAS.
- 17 INSTALL FOUNDATION ADJACENT TO WALK AT EDGE.
- 20 (#) INSTALL NEW SPAN POLE FOUNDATION ADJACENT TO OLD SPAN POLE FOUNDATION.
- 22 MODIFY CONTROLLER FOUNDATION TO ACCEPT NEW CONDUIT.
  
- 30 MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 5 COPIES OF REVISED CABINET WIRING DIAGRAMS.
- 31 TEMPORARILY RELOCATE EXISTING CONTROLLER TO FACILITATE FOUNDATION MODIFICATION AND UNTIL NEW CONTROLLER IS IN OPERATION.
- 35 CABINET DOOR TO OPEN STREET SIDE.
- 36 INSTALL STATE FURNISHED CONTROLLER.
- 37 INSTALL STATE FURNISHED CONTROLLER ON EXISTING FOUNDATION.
- 38 SEE SPECIAL PROVISION ITEM #1117101A-ALTERNATE FLASHING SIGNALS FOR WARNING SIGNS, THE INSTALLATION DETAILS HAVE BEEN REVISED.

45 (#) LOCATE EXISTING RIGID METAL CONDUIT. EXTEND INTO NEW HANDHOLE.

47 (#) REPLACE EXISTING HANDHOLE WITH \_\_\_\_\_ CONCRETE HANDHOLE.  
EXTEND EXISTING CONDUITS INTO NEW HANDHOLE.

48 (#) INSTALL 30" X 30" HANDHOLE. ALL OTHERS TYPE II.  
(48M) -

50 (#) INSTALL HANDHOLE BETWEEN CONCRETE WALK AND CURBING.

51 INSTALL INTERCONNECT HANDHOLES EQUALLY SPACED, APPROX \_\_\_\_ APART.

52 (#) INSTALL CAST IRON HANDHOLE COVER.

61 INSTALL LOOP DETECTORS 3' OFF EDGE OF ROAD AND 8' APART UNLESS OTHERWISE SPECIFIED.  
(61M)

63 CENTER LOOP DETECTORS IN LANE.

64 SERIES SPLICE SEGMENTED LOOPS PER LANE.

65 VIDEO 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 CONTROLLER CABINET.

75 INSTALL RISER ON \_\_\_\_ # \_\_\_\_ UTILITY POLE.

76 COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL  
PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

77 COORDINATE AND SCHEDULE THE FOLLOWING WORK BY \_\_\_\_\_:

- \* \_\_\_\_\_
- \* \_\_\_\_\_
- \* \_\_\_\_\_

78 ESTIMATED LOAD ON UTILITY POLES: \_\_\_\_ # \_\_\_\_: \_\_\_\_ lbs.,  
\_\_\_\_ # \_\_\_\_: \_\_\_\_ lbs., \_\_\_\_ # \_\_\_\_: \_\_\_\_ lbs., \_\_\_\_ # \_\_\_\_: \_\_\_\_ lbs.

79 INSTALL CABLE CLOSURE (TYPE A) AND INTERCONNECT CABLE.

80 SPAN ATTACHMENT ON \_\_\_\_\_ TO HAVE A MINIMUM CLEARANCE OF 12" BELOW SECONDARY  
(80M) & 40" ABOVE HIGHEST COMMUNICATIONS.

81 INTERCONNECT ATTACHMENT ON \_\_\_\_\_ TO HAVE A MINIMUM CLEARANCE OF 40" BELOW  
(81M) SECONDARY & 12" ABOVE HIGHEST COMMUNICATIONS.

83 SPAN POLES WITH 2 SPAN ATTACHMENTS TO HAVE 2 SPAN CLAMPS.

85 (#) SPAN POLE TO HAVE 2-2 1/2" TRAFFIC SIGNAL CABLE ENTRANCE FITTINGS.

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

- 90 (#) INSTALL NEW 8' ALUMINUM PEDESTAL ON EXISTING FOUNDATION.  
(90M)
- 91 (#) REPLACE PEDESTRIAN SIGNAL FACE AND PUSH BUTTON, USE EXISTING PEDESTAL FOUNDATION AND PEDESTAL.
- 93 REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.
- 94 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.
- 96 INSTALL SIGN 41-0815 "NEW" AND 41-0836 (SIGNAL AHEAD SYMBOL) ON ALL APPROACHES APPROXIMATELY \_\_\_ FEET IN ADVANCE OF THE INTERSECTION. REMOVE SIGN ASSEMBLY AFTER 14 CALENDAR DAYS FROM THE DATE THE SIGNAL IS PLACED IN OPERATION.
- 96A (A) INSTALL SIGN 41-0815 "NEW" AND 41-0836 (SIGNAL AHEAD SYMBOL) ON ALL APPROACHES APPROXIMATELY \_\_\_ FEET IN ADVANCE OF THE INTERSECTION. REMOVE SIGN 41-0815 "NEW" AFTER 14 CALENDAR DAYS FROM THE DATE THE SIGNAL IS PLACED IN OPERATION.
- 97 INSTALL PEDESTRIAN PUSHBUTTON SIGN NO. 31-\_\_\_.

## 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.

## WIRELESS DETECTOR NOTES

### WIRELESS-NOTE-1

INSTALL WIRELESS SENSORS CENTERED IN LANE AND 9' APART, CENTER TO CENTER.

### WIRELESS-NOTE-2

(C) INSTALL RECEIVER UNIT ON SPAN POLE 6" ABOVE THE TRAFFIC SIGNAL CABLE ENTRANCE FITTING. ENSURE THAT THE SENSORS ARE WITHIN THE 120° DETECTION CONE OF THE RECEIVER UNIT.

### WIRELESS-NOTE-3

(D) INSTALL 20' PEDESTAL AT THE LOCATION SHOWN AND ATTACH TRANSCIEVER UNIT 6" FROM THE TOP OF THE PEDESTAL. ENSURE THAT THE SENSORS ARE WITHIN THE 120° DETECTION CONE OF THE TRANSCIEVER UNIT.

### WIRELESS-NOTE-4

RECEIVER, TRANSCIEVER AND FLEX PANEL TRANSCIEVER LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR HIS DESIGNATED REPRESENTATIVE. CAT6 CABLE IS TO BE INSTALLED CONTINUOUS BETWEEN RECEIVER UNIT AND THE CONTROLLER CABINET.

## TECH NOTES

REV'D 9-17

- TECH1** ARTERY PHASE DETECTORS TO BE NON-ACTUATING DURING COORDINATION.  
TECH NOTE #2 IS OBSOLETE. (9-17)
- 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.
- TECH8** ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE CLOSED LOOP LOCAL COORDINATION UNIT.

## MISCELLANEOUS NOTES

### MAJOR

PROPERTY OWNER RESPONSIBLE FOR MAJOR COMPONENT REPLACEMENT

### INDICATIONS

ALL INDICATIONS TO HAVE LED LAMPS

### BACKPLATES

ALL VEHICULAR SIGNAL FACES TO HAVE BACKPLATES  
WITH YELLOW RETROREFLECTIVE BORDER.

### EVPS-OWNER

EMERGENCY VEHICLE PRE-EMPTION EQUIPEMNT TO BE OWNED AND MAINTAINED BY  
THE TOWN OF \_\_\_\_\_.

## MAST ARM NOTES

- MA-1** ALL MAST ARM MOUNTED TRAFFIC SIGNALS ARE FIXED MOUNTED TO THE ARM BY USE OF ADJUSTABLE BRACKETS.
- MA-2** ALL MAST ARM MOUNTED SIGNS ARE FIXED MOUNTED
- MA-3** CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS,  
BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS.

## VIDEO NOTES

### VID-1

⬡ VIDEO DETECTION BY USE OF VIDEO-\_\_\_ CAMERA CO-MOUNTED WITH VIDEO-\_\_\_ CAMERA  
FOR D\_\_\_ AND D\_\_\_ ADVANCE DETECTION ON SPAN POLE ID #\_\_\_\_-\_\_-.

### VID-2

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