

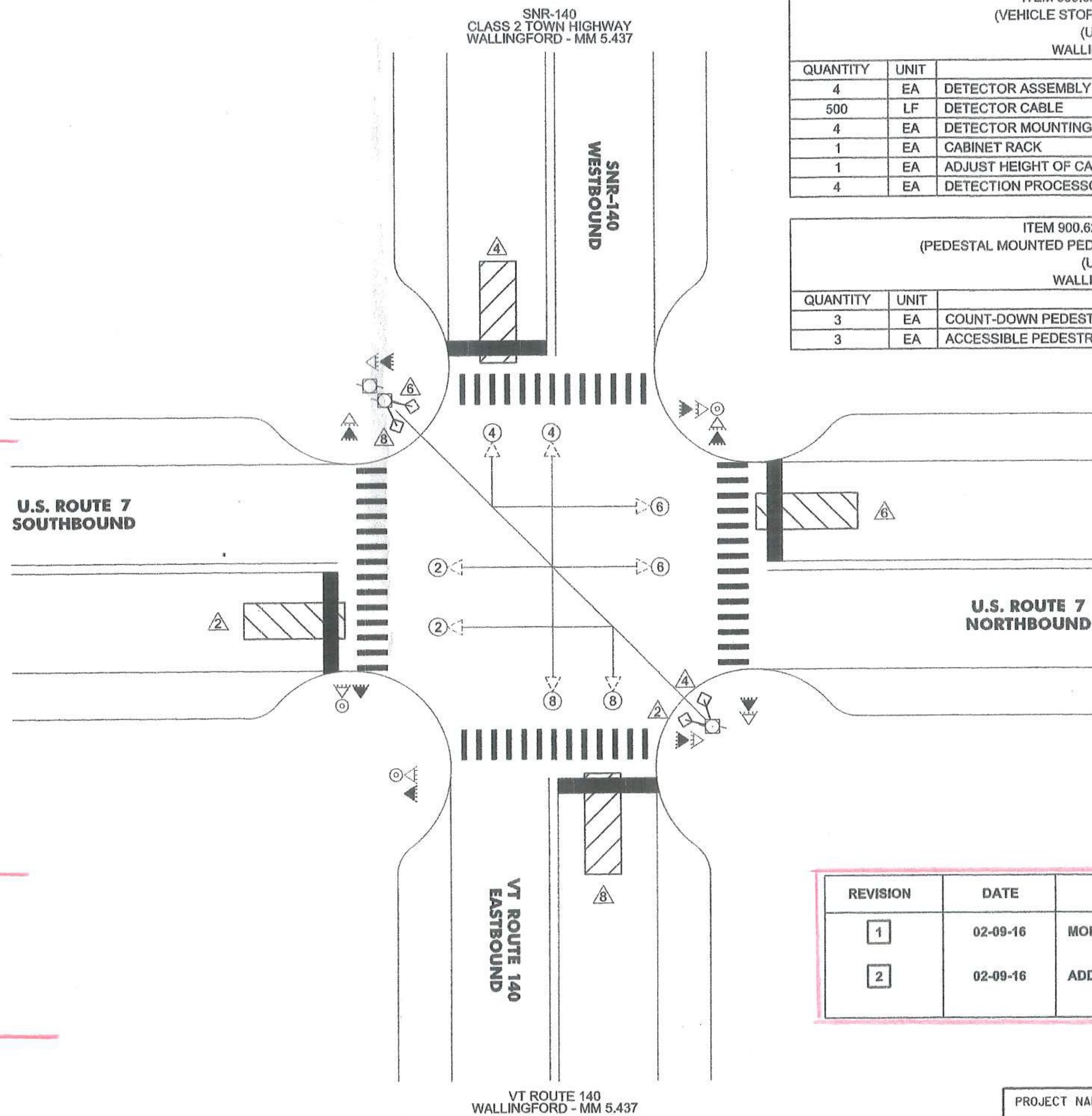
NOTES:

1. THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR THE PLACEMENT OF THE HARDWARE LISTED. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
2. THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED FOR INSTALLATION WILL BE CONSIDERED INCIDENTAL TO ITEM 900.620 - SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM). MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 678.
3. FOR INFORMATION REGARDING THE INSTALLATION OF THE ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLIES (ORIENTATION, HEIGHT, ETC.), SEE SECTION 4E08-PEDESTRIAN DETECTORS IN THE 2009 EDITION OF THE MUTCD.
4. THE ACTUAL STOP BAR DETECTOR LOCATION WILL BE DETERMINED DURING CONSTRUCTION BASED ON THE OPTIMAL LOCATION FOR TYPE OF DETECTOR SELECTED. FINAL LOCATION SHALL BE APPROVED BY THE ENGINEER.
5. STOP BAR DETECTION AREAS SHALL EXTEND FIVE FEET PAST THE STOP BAR. ACTUAL DETECTION ZONES SHALL BE SET UP FOR OPTIMAL DETECTION BY THE CONTRACTOR BASED ON THE FINAL PAVEMENT MARKINGS.
6. STOP BAR DETECTION SYSTEM SHALL BE OPERATIONAL PRIOR TO CUTTING LOOPS. EXISTING VEHICLE DETECTOR LOOPS SHALL BE CUT AT THE CURB LINE PRIOR TO MICRO-MILLING/RESURFACING AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.620 - SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM).
7. ANY THINNING AND TRIMMING AND/OR REMOVAL OF TREES APPROVED BY THE ENGINEER FOR INSTALLING VEHICLE STOP BAR DETECTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 201 AND WILL BE CONSIDERED INCIDENTAL TO ITEM 900.620 - SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM).
8. SALVAGE EXISTING PEDESTRIAN SIGNAL EQUIPMENT (PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS) TO VTRANS. CONTACT VAOT DISTRICT 5 SIGNAL TECHNICIAN AT (802)655-1580. PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.620 - SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN)(US 7 @ VT 140).

ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN) (US 7 @ VT 140) WALLINGFORD MM 5.437		
QUANTITY	UNIT	DESCRIPTION
5	EA	COUNT-DOWN PEDESTRIAN SIGNAL WITH MOUNTING HARDWARE
5	EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY (SEE NOTE 3)

ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (US 7 @ VT 140) WALLINGFORD MM 5.437		
QUANTITY	UNIT	DESCRIPTION
4	EA	DETECTOR ASSEMBLY
500	LF	DETECTOR CABLE
4	EA	DETECTOR MOUNTING BRACKET
1	EA	CABINET RACK
1	EA	ADJUST HEIGHT OF CABINET RACK (AS NECESSARY)
4	EA	DETECTION PROCESSOR CARD

ITEM 900.620 SPECIAL PROVISION (PEDESTAL MOUNTED PEDESTRIAN SIGNAL HEAD, COUNTDOWN) (US 7 @ VT 140) WALLINGFORD MM 5.437		
QUANTITY	UNIT	DESCRIPTION
3	EA	COUNT-DOWN PEDESTRIAN SIGNAL WITH MOUNTING HARDWARE ON PEDESTAL
3	EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY (SEE NOTE 3)



LEGEND	
DESCRIPTION	
EXISTING CONDUIT	
EXISTING JUNCTION BOX	
EXISTING CONTROLLER CABINET	
PROPOSED CONTROLLER CABINET	
EXISTING POLE	
EXISTING DETECTION AREA	
DETECTION AREA	
EXISTING DETECTOR	
EXISTING VEHICLE SIGNAL	
PROPOSED VEHICLE SIGNAL	
EXISTING PULL BOX	
EXISTING PEDESTRIAN SIGNAL	
PROPOSED COUNT-DOWN PEDESTRIAN SIGNAL	
EXISTING WIRELESS INTERCONNECT ANTENNA	
VEHICLE STOP BAR DETECTOR LOCATION	
ALTERNATIVE VEHICLE STOP BAR DETECTOR LOCATION	

REVISION	DATE	DESCRIPTION	BY
1	02-09-16	MODIFIED NOTE 8	BWK
2	02-09-16	ADDED OR MODIFIED ROWS ON LEGEND	BWK

PROJECT NAME: MANCHESTER-RUTLAND TOWN
 PROJECT NUMBER: NH SURF(50)
 FILE NAME: pl4v200.dgn PLOT DATE: 2/9/2016
 PROJECT LEADER: M. FOWLER DRAWN BY: B. KIPP
 DESIGNED BY: B. KIPP CHECKED BY: M. FOWLER
 TRAFFIC SIGNAL SYSTEM SHEET 1 SHEET 85 OF 105

NOT TO SCALE