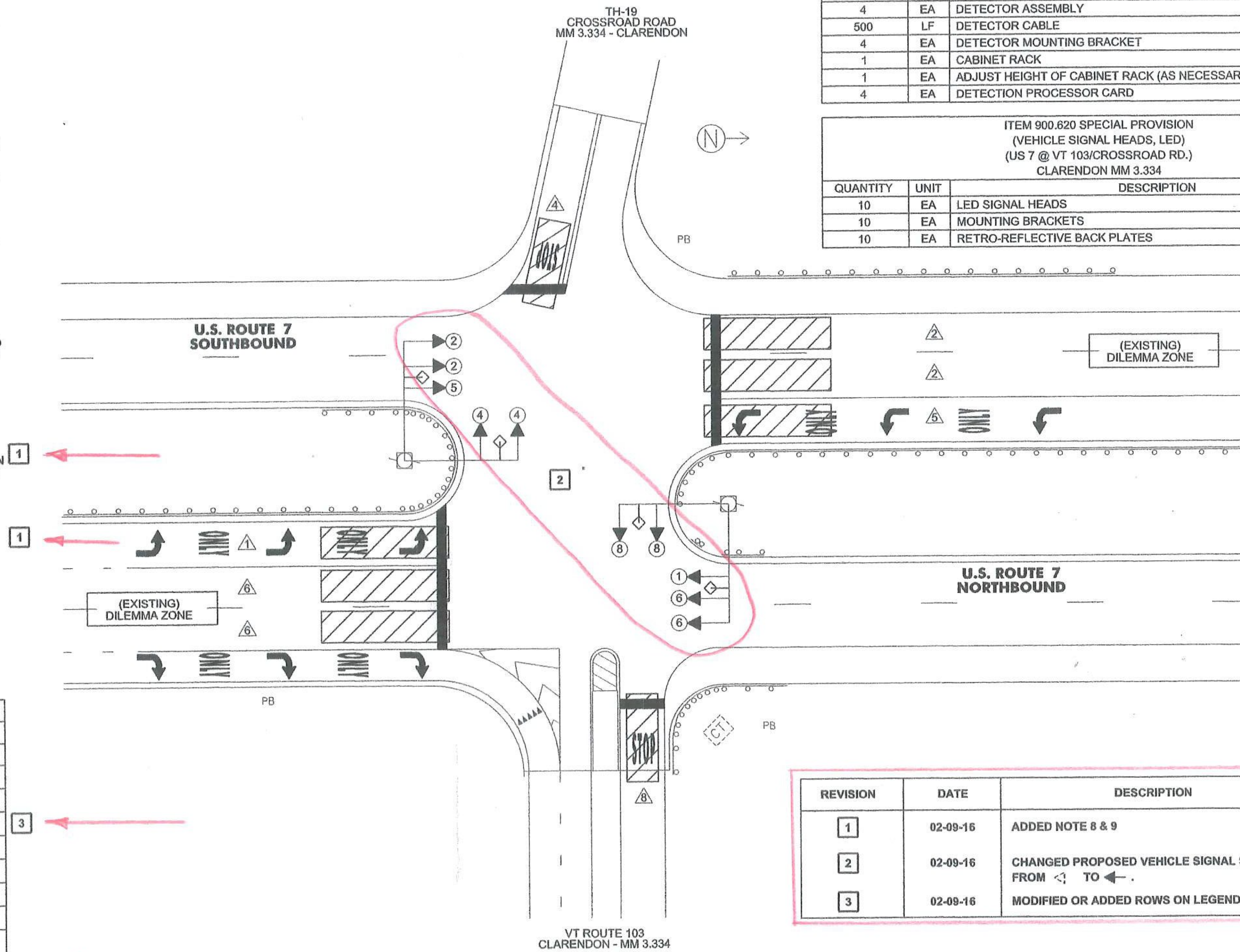


NOTES:

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)(US 7 @ VT 103/CROSSROAD RD.). MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 678.
3. 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.
4. 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.
5. STOP BAR DETECTION SYSTEM TO 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)(US 7 @ VT 103/CROSSROAD RD.).
6. 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)(US 7 @ VT 103/CROSSROAD RD.).
7. EXISTING RADAR EQUIPMENT FOR DILEMMA ZONE DETECTION AND ASSOCIATED CABINET EQUIPMENT SHALL BE RETAINED AND REMAIN OPERATIONAL.
8. SALVAGE EXISTING SIGNAL EQUIPMENT (SIGNAL HEADS, DETECTION EQUIPMENT) TO VTRANS. CONTACT THE DISTRICT 5 SIGNAL TECHNICIAN AT (802)655-1580 TO COORDINATE TRANSFER OF EQUIPMENT. PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.620 - SPECIAL PROVISION (VEHICLE SIGNAL HEADS, LED)(US 7 @ VT 103/CROSSROAD RD.).
9. SIGNAL HEADS SHALL BE MOUNTED SUCH THAT THE TOP 1/2 OF THE SIGNAL HEAD IS EVEN WITH THE MAST ARM.

ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (US 7 @ VT 103/CROSSROAD RD.) CLARENDON MM 3.334		
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 (VEHICLE SIGNAL HEADS, LED) (US 7 @ VT 103/CROSSROAD RD.) CLARENDON MM 3.334		
QUANTITY	UNIT	DESCRIPTION
10	EA	LED SIGNAL HEADS
10	EA	MOUNTING BRACKETS
10	EA	RETRO-REFLECTIVE BACK PLATES



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

REVISION	DATE	DESCRIPTION	BY
1	02-09-16	ADDED NOTE 8 & 9	BWK
2	02-09-16	CHANGED PROPOSED VEHICLE SIGNAL SYMBOLS FROM [Symbol] TO [Symbol]	BWK
3	02-09-16	MODIFIED OR ADDED ROWS ON LEGEND.	BWK

PROJECT NAME:	MANCHESTER-RUTLAND TOWN
PROJECT NUMBER:	NH SURF(50)
FILE NAME:	pl4v200.dgn
PROJECT LEADER:	M. FOWLER
DESIGNED BY:	B. KIPP
TRAFFIC SIGNAL SYSTEM SHEET 2	
PLOT DATE:	2/9/2016
DRAWN BY:	B. KIPP
CHECKED BY:	M. FOWLER
SHEET	86 OF 105

NOT TO SCALE