

**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 WITH THE INSTALLATION SHALL BE INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (VT ROUTE 62 @ BERLIN STREET). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678 OF THE LATEST EDITION OF THE VTRANS STANDARD FOR SPECIFICATIONS FOR CONSTRUCTION.

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 DETECTION LOCATION WILL BE DETERMINED DURING CONSTRUCTION BASED ON THE OPTIMAL LOCATION FOR TYPE OF DETECTOR SELECTED. FINAL LOCATION TO BE APPROVED BY THE ENGINEER.

5. STOP BAR DETECTION AREAS SHALL EXTEND 5 FEET PAST THE STOP BAR. ACTUAL DETECTION ZONES TO BE SET UP FOR OPTIMAL DETECTION BY THE CONTRACTOR BASED ON THE FINAL PAVEMENT MARKINGS.

6. EXISTING VEHICLE DETECTOR LOOPS TO BE CUT AT THE CURB LINE PRIOR TO COLD PLANING/RESURFACING AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (VT ROUTE 62 @ BERLIN STREET).

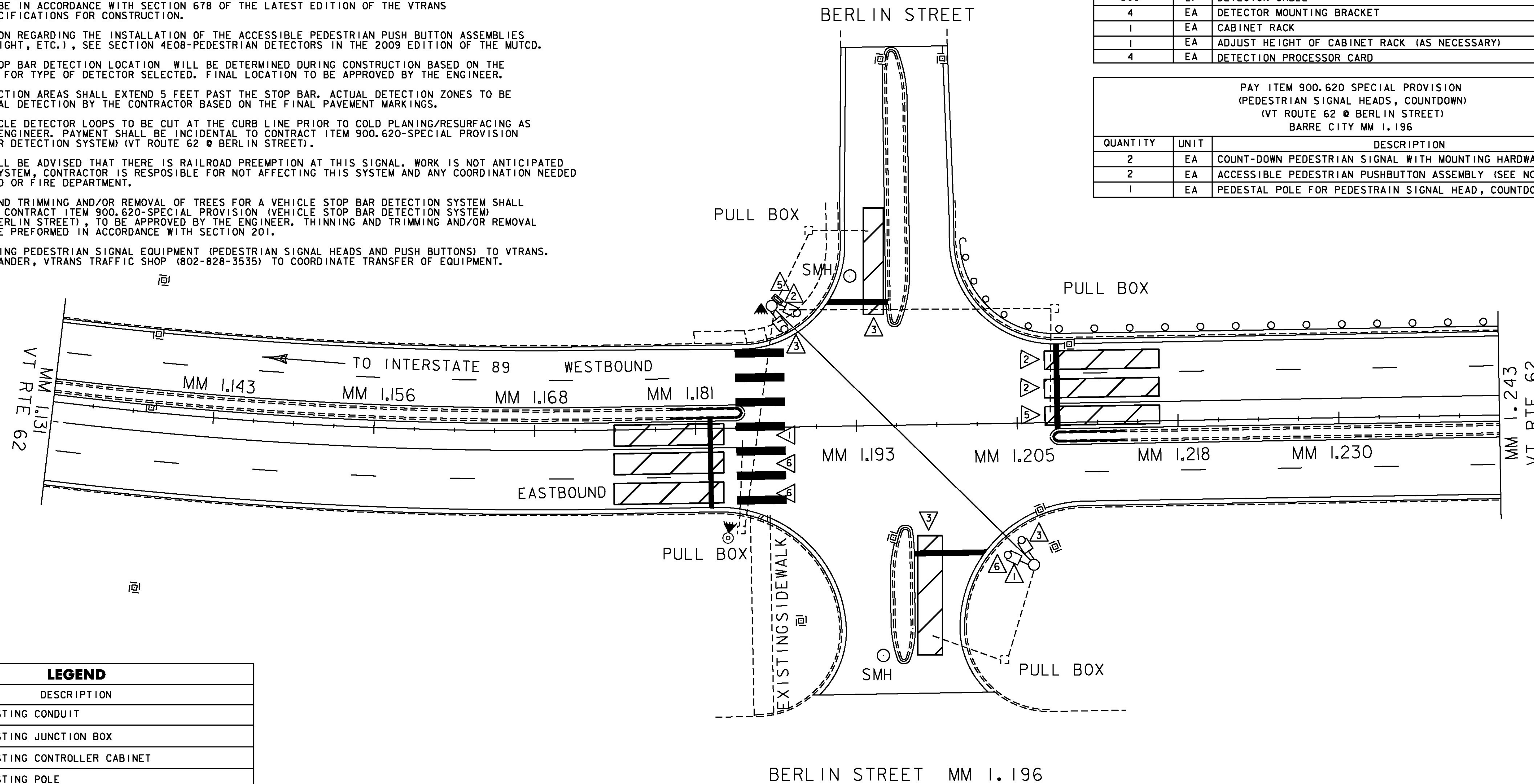
7. CONTRACTOR SHALL BE ADVISED THAT THERE IS RAILROAD PREEMPTION AT THIS SIGNAL. WORK IS NOT ANTICIPATED TO AFFECT THIS SYSTEM, CONTRACTOR IS RESPONSIBLE FOR NOT AFFECTING THIS SYSTEM AND ANY COORDINATION NEEDED WITH THE RAILROAD OR FIRE DEPARTMENT.

8. ANY THINNING AND TRIMMING AND/OR REMOVAL OF TREES FOR A VEHICLE STOP BAR DETECTION SYSTEM SHALL BE INCIDENTAL TO CONTRACT ITEM 900.620-SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (VT ROUTE 62 @ BERLIN STREET), TO BE APPROVED BY THE ENGINEER. THINNING AND TRIMMING AND/OR REMOVAL OF TREES SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 201.

9. SALVAGE EXISTING PEDESTRIAN SIGNAL EQUIPMENT (PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS) TO VTRANS. CONTACT RUSS VELANDER, VTRANS TRAFFIC SHOP (802-828-3535) TO COORDINATE TRANSFER OF EQUIPMENT.

PAY ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (VT ROUTE 62 @ BERLIN STREET) BARRE CITY MM 1.196		
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

PAY ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN) (VT ROUTE 62 @ BERLIN STREET) BARRE CITY MM 1.196		
QUANTITY	UNIT	DESCRIPTION
2	EA	COUNT-DOWN PEDESTRIAN SIGNAL WITH MOUNTING HARDWARE
2	EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY (SEE NOTE 3)
1	EA	PEDESTAL POLE FOR PEDESTRIAN SIGNAL HEAD, COUNTDOWN



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

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PROJECT LEADER: J. HARRINGTON	SHEET 15 OF 64
DESIGNED BY: PVT. MGT.	
VEHICLE DETECTION DETAIL SHEET	

**NOT TO SCALE**