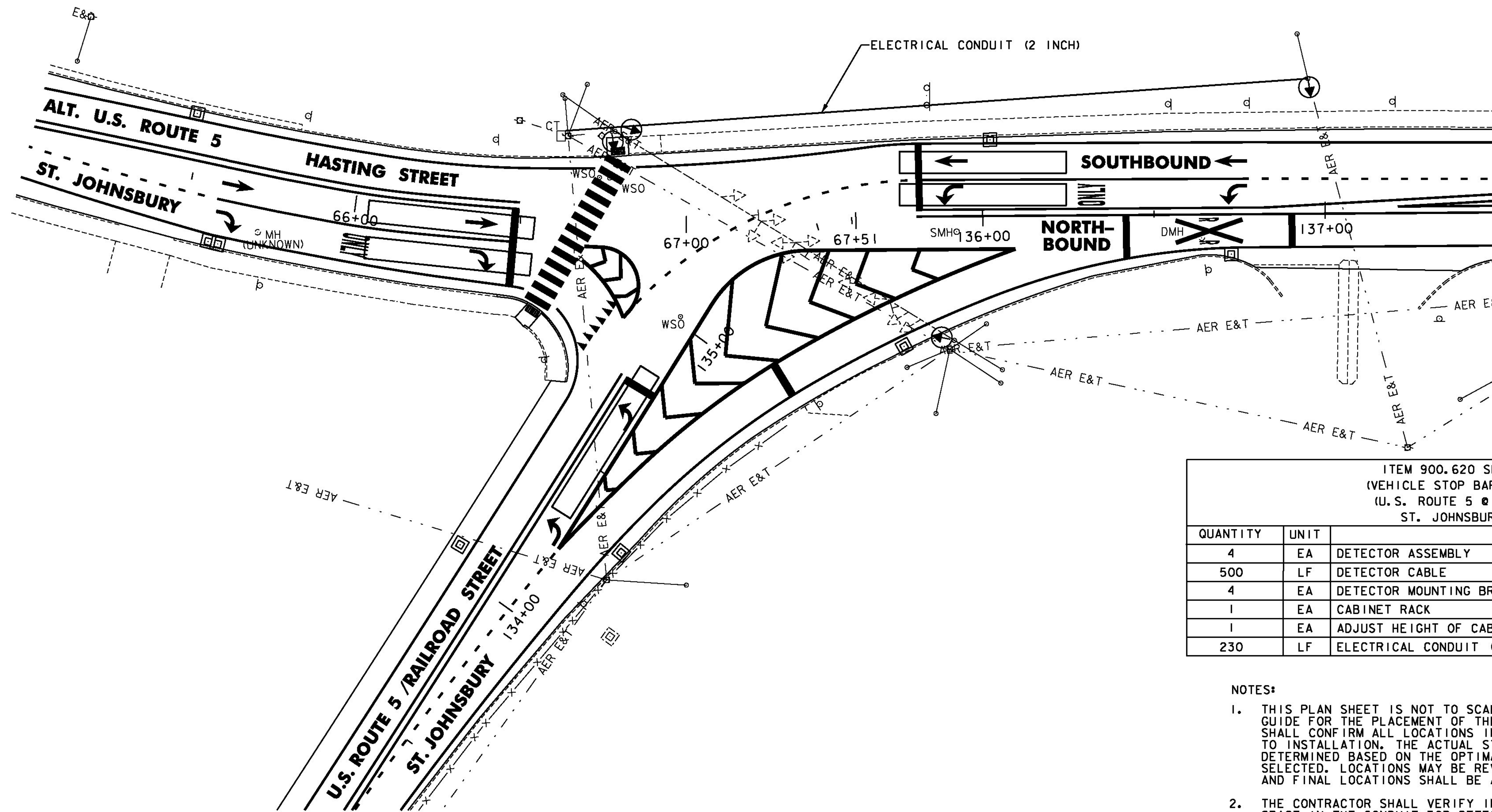


ST. JOHNSBURY U.S. ROUTE 5 /ALT U.S. ROUTE 5 INTERSECTION



ITEM 900.620 SPECIAL PROVISION
(VEHICLE STOP BAR DETECTION SYSTEM)
(U.S. ROUTE 5 @ ALT U.S. ROUTE 5)
ST. JOHNSBURY STA. 135+64

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)
230	LF	ELECTRICAL CONDUIT (2 INCH)

NOTES:

- 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. THE ACTUAL STOP BAR DETECTOR LOCATION WILL BE DETERMINED BASED ON THE OPTIMAL LOCATION FOR THE TYPE OF DETECTOR SELECTED. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY AND FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
- 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 TO BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (U.S. ROUTE 5 @ ALT U.S. ROUTE 5). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678.
- FOR INFORMATION REGARDING THE INSTALLATION OF ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLIES (ORIENTATION, HEIGHT, ETC.), SEE SECTION 4E.08 PEDESTRIAN DETECTORS IN THE 2009 MUTCD.
- VEHICLE STOP BAR DETECTORS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
- DETECTION AREAS SHALL EXTEND FIVE FEET PAST THE STOP BAR.
- EXISTING VEHICLE LOOP DETECTORS SHALL BE CUT AT THE CURB LINE PRIOR TO COLD PLANNING. PAYMENT SHALL BE INCIDENTAL TO 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (U.S. ROUTE 5 @ ALT U.S. ROUTE 5).
- UNIFORMED TRAFFIC OFFICERS CAN DIRECT TRAFFIC AND FLAGGERS CAN ONLY STOP AND RELEASE TRAFFIC.
- EXISTING SIGNAL EQUIPMENT AND MOUNTING HARDWARE WHICH IS REMOVED SHALL BE DELIVERED TO THE TOWN'S FACILITY AT 6 ALMS ROAD OFF CONCORD AVENUE IN ST. JOHNSBURY. CONTACT HUGH WESCOTT, PUBLIC WORKS DIRECTOR AT 802-748-4408 TO ARRANGE DELIVERY AHEAD OF TIME. THIS IS PAID INCIDENTAL TO OTHER ITEMS OF WORK.

NOT TO SCALE

LEGEND	
DESCRIPTION	
----	EXISTING CONDUIT
—	PROPOSED CONDUIT
□	EXISTING JUNCTION BOX
□CT	EXISTING CONTROLLER CABINET
⊕	EXISTING POLE
□	EXISTING LOOP DETECTOR
□	DETECTION AREA
⊕	PROPOSED STOP BAR DETECTOR
⊕	EXISTING VEHICLE SIGNAL
⊕	PROPOSED VEHICLE SIGNAL
⊕PB	EXISTING PULL BOX
⊕	EXISTING PEDESTRIAN SIGNAL
⊕	PROPOSED COUNT-DOWN PEDESTRIAN SIGNAL



TRAFFIC SIGNAL SYSTEMS SHEET #3

PROJECT NAME:	ST JOHNSBURY - LYNDON
PROJECT NUMBER:	STP 2936(I)
FILE NAME:	pllc308.dgn
PROJECT LEADER:	G. EDWARDS
DESIGNED BY:	D. DRAPER
PLOT DATE:	5/5/2014
DRAWN BY:	D. DRAPER
CHECKED BY:	J. LITTLE
SHEET	244 OF 250