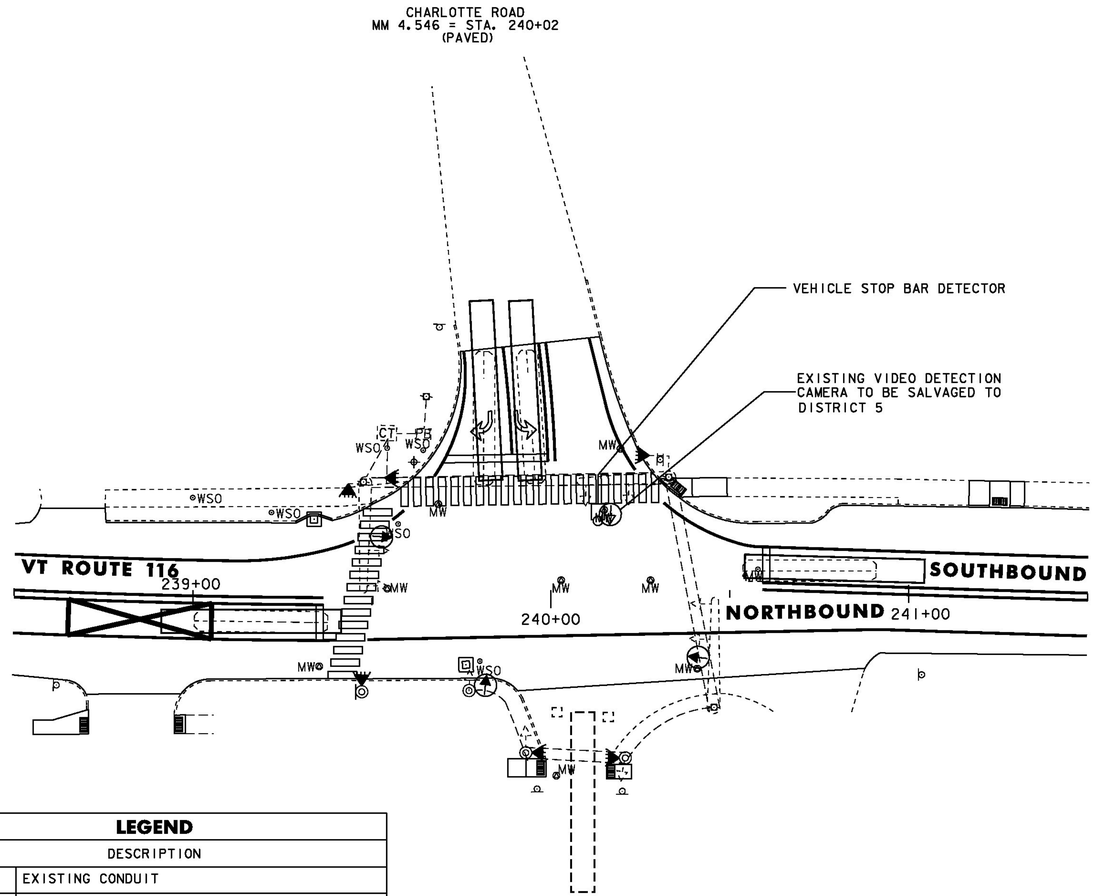
VT ROUTE 116 /CHARLOTTE ROAD INTERSECTION



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

ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 116 @ CHARLOTTE ROAD) HINESBURG STA. 240+02		
QUANTITY	UNIT	DESCRIPTION
3	EA	VIDEO DETECTOR CAMERA ASSEMBLY
500	LF	VIDEO DETECTOR CABLE
3	EA	VIDEO DETECTOR CAMERA MOUNTING BRACKET
1	EA	CABINET RACK *
1	EA	ADJUST HEIGHT OF CABINET RACK (AS NECESSARY) *

* INCIDENTAL TO OTHER TRAFFIC SIGNAL ITEMS

ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN) (VT ROUTE 116 @ CHARLOTTE ROAD) HINESBURG STA. 240+02		
QUANTITY	UNIT	DESCRIPTION
6	EA	COUNT-DOWN PEDESTRIAN SIGNAL WITH MOUNTING HARDWARE
5	EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY

ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (VT ROUTE 116 @ CHARLOTTE ROAD) HINESBURG STA. 240+02		
QUANTITY	UNIT	DESCRIPTION
1	EA	VEHICLE STOP BAR DETECTOR

NOTES:

1. THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR VIDEO VEHICLE DETECTOR PLACEMENT. 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. VIDEO VEHICLE DETECTOR CAMERAS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
3. VIDEO DETECTION AREAS SHALL EXTEND 5 FEET PAST THE STOP BAR.
4. THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR VIDEO DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED TO BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 116 @ CHARLOTTE ROAD). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678 OF THE 2011 EDITION OF THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
5. EXISTING VEHICLE DETECTOR LOOPS TO BE CUT AT THE CURB LINE PRIOR TO COLD PLANING. PAYMENT SHALL BE INCIDENTAL TO 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 116 @ CHARLOTTE ROAD).
6. VIDEO DETECTION CAMERAS SHALL BE ECONOLITE AUTOSCOPE ENCORE TO BE COMPATIBLE WITH EXISTING INFRASTRUCTURE.
7. VEHICLE STOP BAR DETECTION SYSTEM SHALL BE AN ECONOLITE AUTOSCOPE DUO, WAVETRONIX SMART SENSOR MATRIX, OR FLIR FC-SERIES T.
8. EXISTING VIDEO DETECTION CAMERA SHALL BE SALVAGED AND RETURNED TO DISTRICT 5 GARAGE IN COLCHESTER PRIOR TO PROJECT COMPLETION. CONTACT PERSON IS STEVE GUYETTE AT 802-655-1580.

NOT TO SCALE

Stantec

TRAFFIC SIGNAL SYSTEMS SHEET #1

PROJECT NAME: STARKSBORO-HINESBURG
PROJECT NUMBER: STP 2930(1)

FILE NAME: p10b266.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b266tsss01.i
PLOT DATE: 17-DEC-2012
DRAWN BY: STANTEC
CHECKED BY: MCF
SHEET 117 OF 119