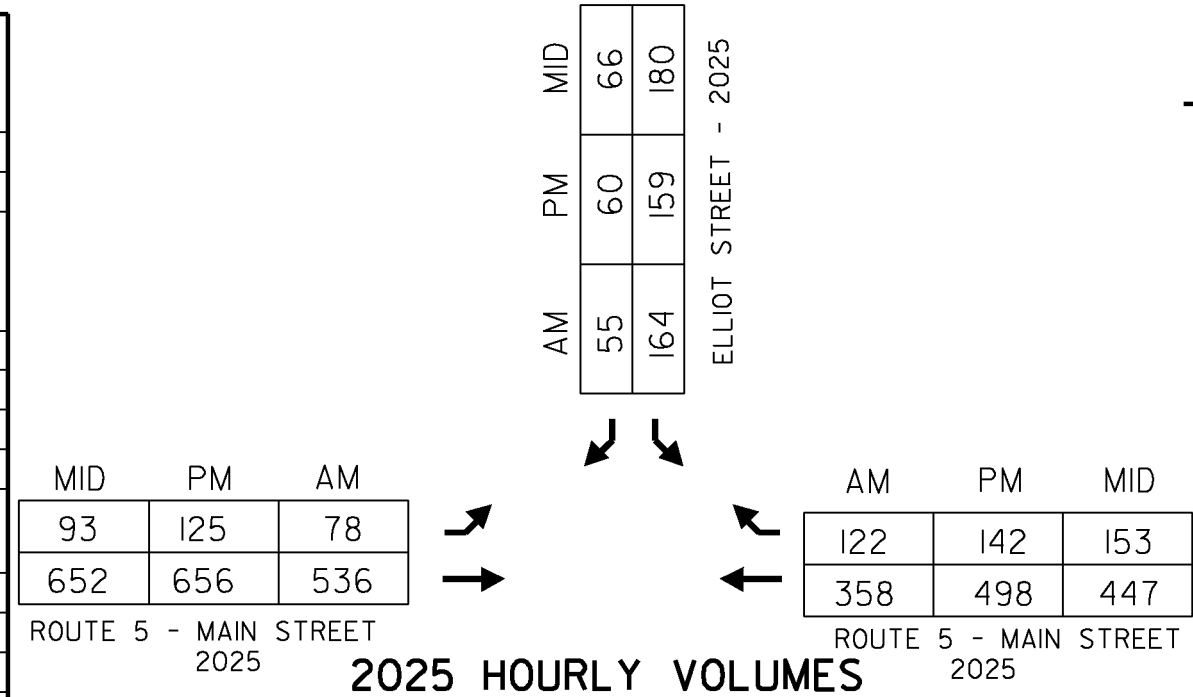
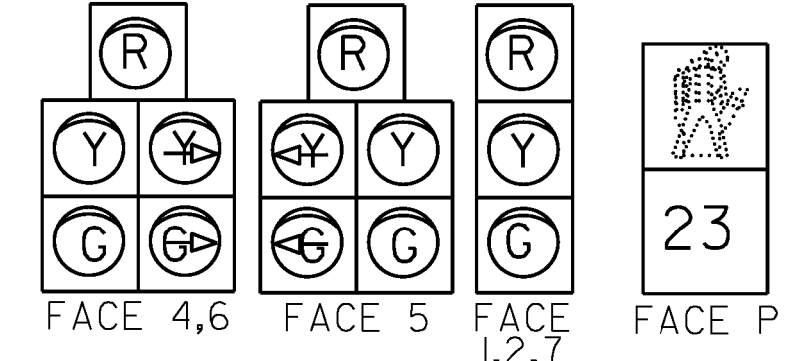


MAJOR EQUIPMENT LIST

EQUIPMENT ITEM NO. 678J5	US 5 (MAIN STREET) @ VT ROUTE 9 (HIGH STREET)
CANTILEVER POLES W/MAST ARMS	1
PEDESTAL POSTS	6
NEW 12" TRAFFIC SIGNAL HEADS W/ TUNNEL VISORS, DISCONNECT HANGERS, BACKPLATES AND MOUNTING HARDWARE	
ONE-WAY, 3-SECTION	2
ONE-WAY, 5-SECTION	2
ONE-WAY, 3-SECTION SIDE-MOUNTED - POLE	1
ONE-WAY, 5-SECTION PEDESTAL POST TOP-MOUNTED	1
ACCESSIBLE PEDESTRIAN SIGNALS	
PEDESTAL POST TOP MOUNTED, ONE-WAY	4
PEDESTAL POST TOP MOUNTED, TWO-WAY	1
CONTROLLER/CABINET	1
PEDESTRIAN PUSHBUTTON ASSEMBLIES - PEDESTAL POST MOUNTED	5
OPTICAL VEHICLE PREEMPTION SYSTEM	1
RADIO INTERCONNECT/VIDEO DETECTION SYSTEM	1
RAILROAD PREEMPTION SYSTEM	1
POWER DROP STANCHION	1
ILLUMINATED LED TRAFFIC SIGN	2



SIGNAL FACE ARRANGEMENT 12" LENSES

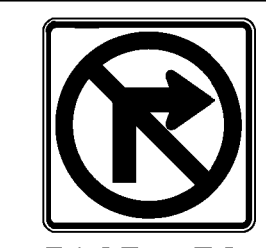


NOTE: INCLUDE BACKPLATE ALL SIGNAL FACES.

EQUIPMENT	ITEM NO.	UNIT	US 5 (MAIN STREET) @ VT ROUTE 9 (HIGH STREET)	NOTES
WIRED CONDUIT (2") (PVC)	678.23	LF	362'	
WIRED CONDUIT (2 1/2") (PVC)	678.23	LF	36'	
ELECTRICAL CONDUIT SLEEVE (8") (PVC)	678.30	LF	94'	
PULL BOX - STANDARD	678.25	EA	3	

THE QUANTITIES LISTED ABOVE ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY. MISCELLANEOUS (UNLISTED) WIRE, CABLE, HARDWARE, ETC., ARE REQUIRED TO PROVIDE FOR A FUNCTIONING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE NUMBER OF ITEMS AND THE TYPES OF EQUIPMENT REQUIRED.

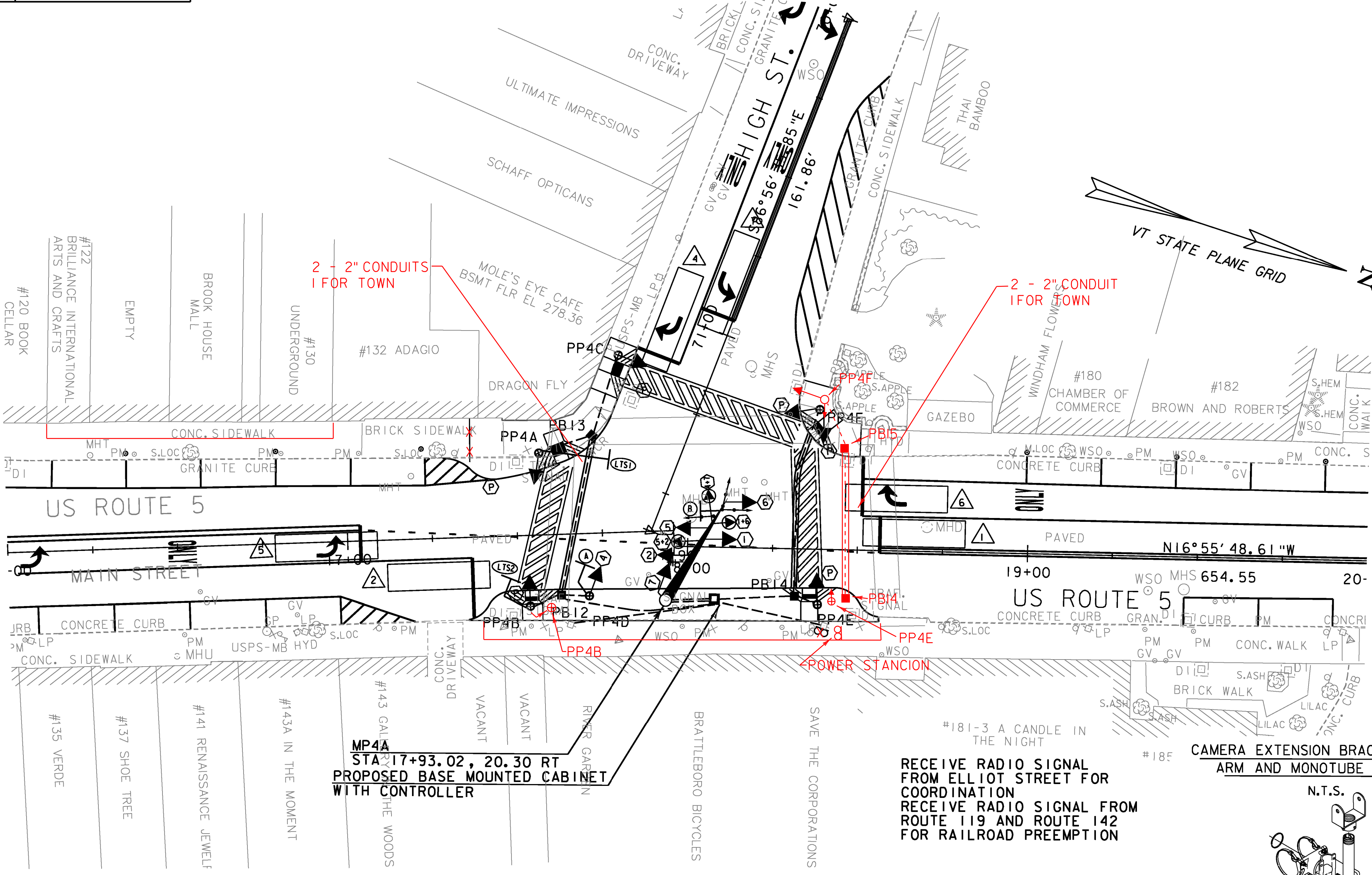
ILLUMINATED LED TRAFFIC SIGN



SIGN FACE LTS1, LTS2

NOTES:

- OFFSET IS REFERENCED AT THE END OF PHASE 2.
- SPLITS AND OFFSETS ARE SHOWN IN SECONDS.
- VIDEO DETECTION AREAS 1, 2, 4, 5, 6 AND 7 ARE IN NON-LOCK PRESENCE MODE.
- SIGNAL TO COORDINATE WITH MAIN STREET SYSTEM AT ELLIOT STREET (MASTER) BY INTERCONNECT VIA SPREAD SPECTRUM RADIO.
- ANY PULL BOX OR JUNCTION BOX WITHIN SIDEWALK SHALL HAVE A SKID RESISTANT COVER.
- SPREAD SPECTRUM RADIO ASSEMBLY TO RECEIVE SIGNAL TO COORDINATE WITH I42/I19, ELLIOT STREET, AND ROUTE 9 (HIGH STREET). INSTALL ANTENNA ON MP4A AND REMOTE RADIO IN THE CONTROLLER CABINET. MASTER RADIO TO BE INSTALLED IN CABINET AT ELLIOT STREET AND A TWO-WAY ANTENNA ON THE MAST ARM. ALL OTHER LOCATIONS IN THE SYSTEM SHALL RECEIVE REMOTE RADIOS AND ANTENNAS.
- RAILROAD PREEMPTION TO FORCE PHASE 2 AND HOLD UNTIL RELEASED. CABINET TO INCLUDE CONTACT CLOSURE RADIO TO COMMUNICATE WITH THE SIGNAL AT US 5 AND VT ROUTES I19 AND I42.
- SIGNAL TO INCLUDE A VEHICLE IDENTIFYING OPTICAL PREEMPTION SYSTEM. THE SYSTEM INCLUDES AN OPTICAL SIGNAL PROCESSOR, 3 OPTICAL DETECTORS, RED STROBE LIGHT AND APPROX. 280 +/- OF DETECTOR CABLE.



SIGNS

RAILROAD PRE-EMPTION SIGN DETAIL
 MATERIALS: SEE STD. E-144
 COLORS: TEXT & BORDER - BLACK
 BACKGROUND - WHITE (REFL. ENCAPSULATED LENS)
 NOT TO SCALE
 NOTE: SEE SIGNING SHEETS FOR ALL OTHER SIGNS.

SEE SHEET 157 FOR MAST ARM CROSS SECTION
 SEE SHEETS 26-66 FOR PAVEMENT MARKINGS
 SEE SHEETS 136-140 FOR SIGNING LAYOUT
 ALL SIGNALS WITHIN THE MAIN STREET SIGNAL SYSTEM ARE COORDINATED AND A PART OF THE WIRELESS RADIO INTERCONNECT.
 SEE SHEETS 150-152 - TRAFFIC SIGNAL SHEETS NO. 1-3 FOR OTHER LOCATIONS.

EXISTING	NEW	LEGEND
		MAST ARM POLE (MP)
		STRAIN POLE (SP)
		CONTROLLER CABINET
		PULLBOX (PB)/ JUNCTION BOX (JB)
		SIGNAL HEAD
		CONDUIT
		PEDESTAL POST (PP)
		MAST ARM MOUNTED SIGN
		STANCHION
		VIDEO DETECTOR
		VIDEO DETECTION AREA
		OPTICAL DETECTOR
		ILLUMINATED LED TRAFFIC SIGN

ELECTRICAL CONDUIT SLEEVE (8") (PVC)

PB12 TO PB13 - 45' 40"
 PB14 TO PB15 - 49' 33"

WIRED CONDUIT (2 1/2") (PVC)

CONTROLLER TO MP4A - 48' 20"
 CONTROLLER TO MP4A - 48' 20"

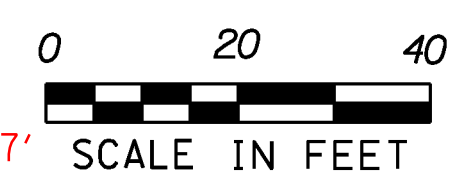
WIRED CONDUIT (2") (PVC)

PB12 TO PB13 - 50'
 CONTROLLER TO PB12 - 52' 49"
 CONTROLLER TO PB14 - 26' 43"
 PB14 TO PB15 - 59'

WIRED CONDUIT (2") (PVC) (CONT.)

PB13 TO PP4C - 39'
 PB13 TO PP4A - 19' 13"
 PB12 TO PP4B - 43' 10"
 PB12 TO PP4D - 42' 14"
 PB14 TO PP4E - 40' 9"

CONTROLLER TO POWER STANCHION - 36' 47"
 CONTROLLER TO LIGHT POLE - 46' 39"



TWO PIECE CAMERA MOUNT
 TUBE LENGTHS: 23", 37", 46", OR 74"
 BAND LENGTHS: 29", 36", 42", 48", OR 56"
 Notes:
 All assemblies shall have steel fasteners and stainless steel clamp screw kits.
 For 2 piece bracket mounts shall be specified for camera type.

PROJECT NAME: BRATTLEBORO	PLOT DATE: 6/27/2011
PROJECT NUMBER: STP 2000(24)	DRAWN BY: V. KACOYANNAKIS
FILE NAME: z08d044trfbdr.dgn	CHECKED BY: D. SPENCER
PROJECT LEADER: KEN UPMAL	SHEET 153 OF 163
DESIGNED BY: V. KACOYANNAKIS	
TRAFFIC SIGNAL SHEET 4	