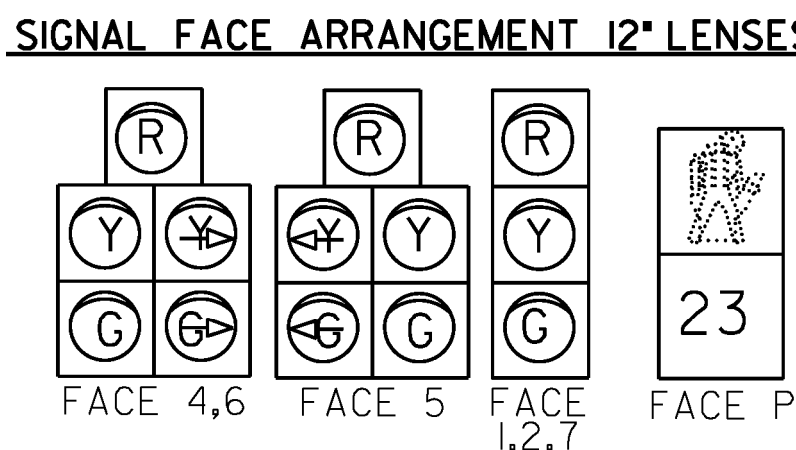
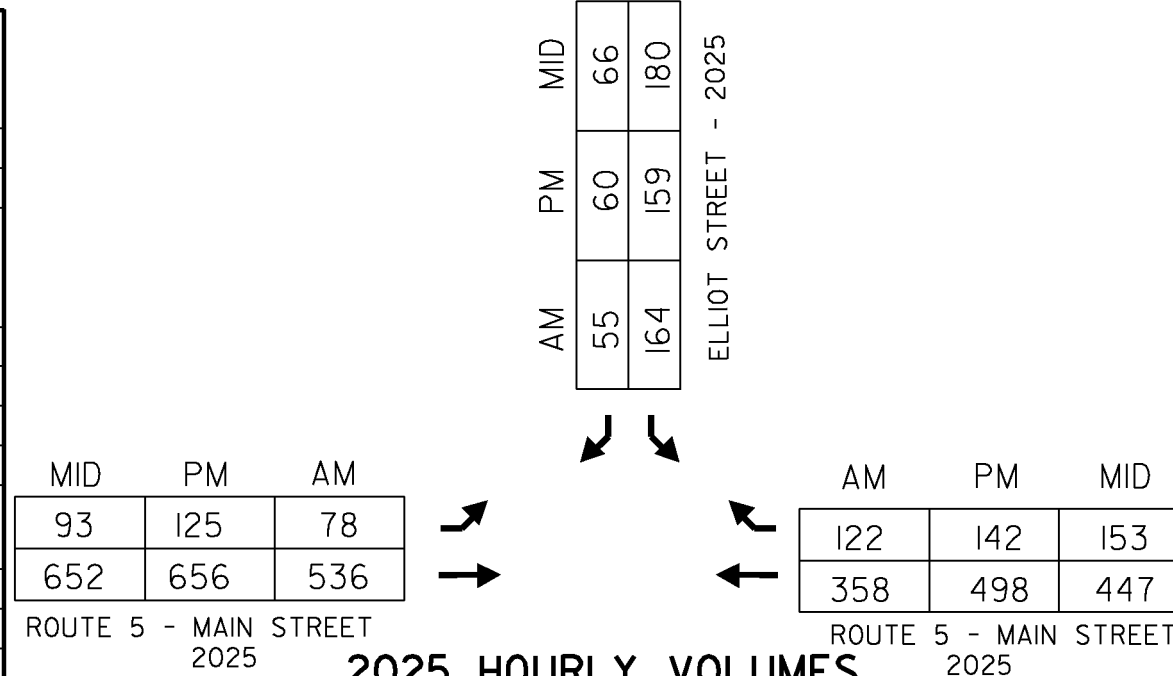


**MAJOR EQUIPMENT LIST**

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	
RADIO INTERCONNECT/VIDEO DETECTION SYSTEM	
RAILROAD PREEMPTION SYSTEM	
POWER DROP STANCHION	

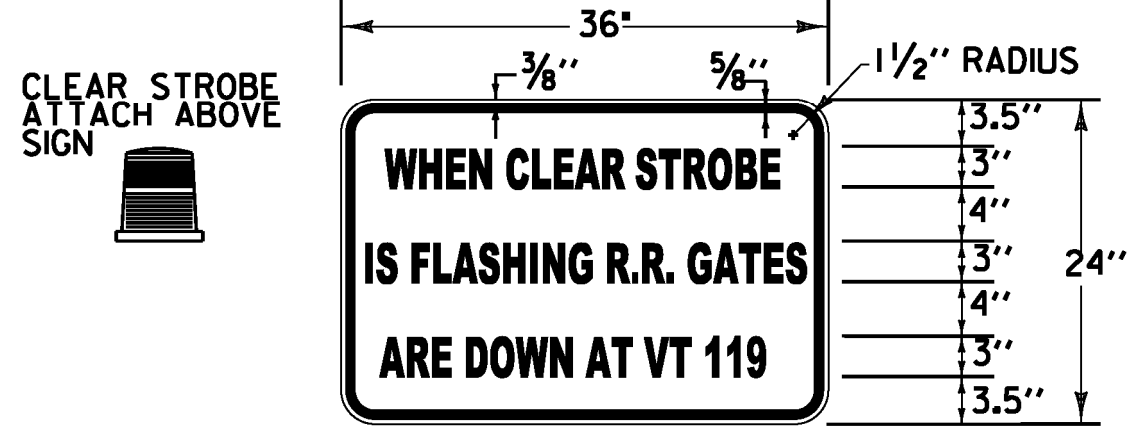
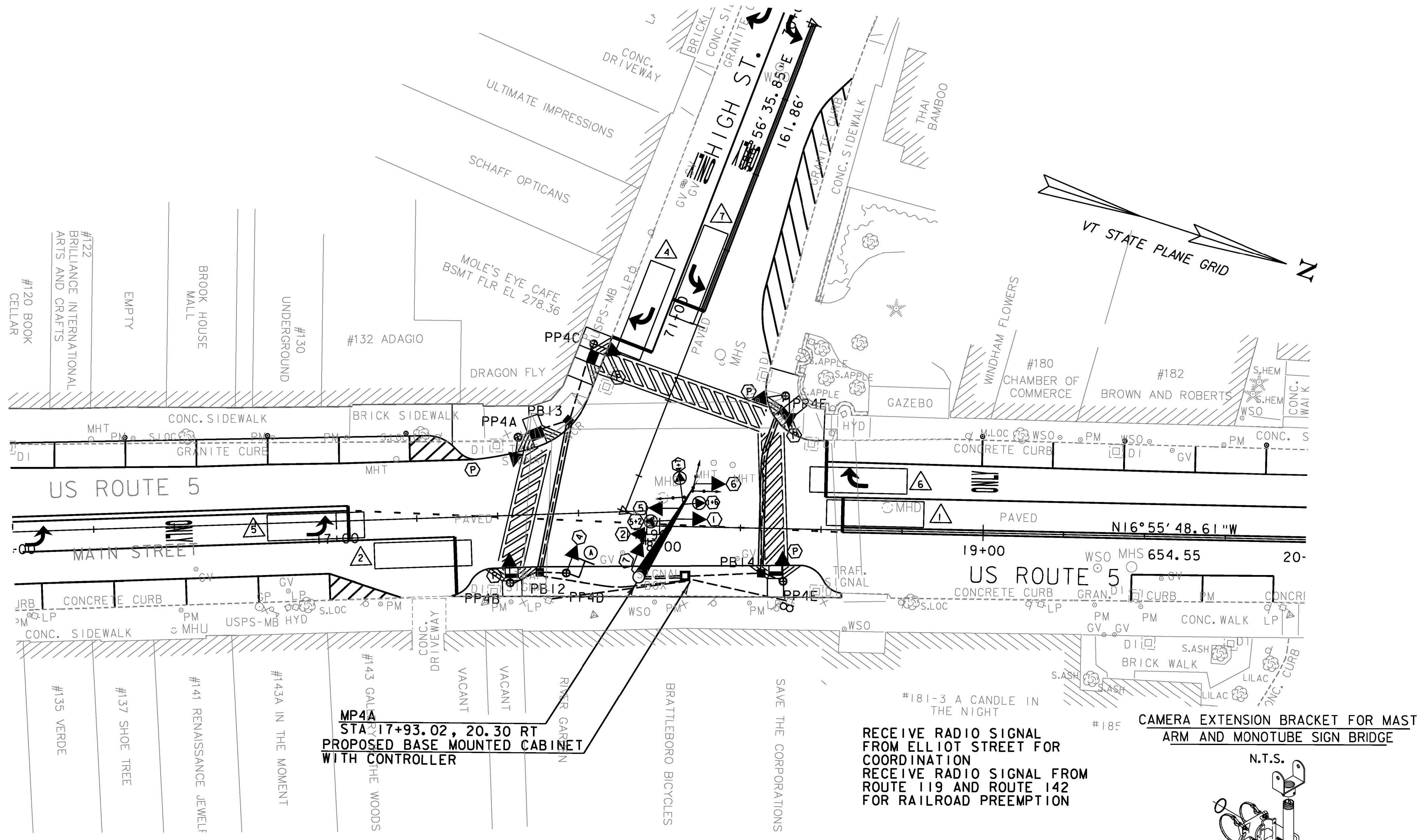


EQUIPMENT	ITEM NO.	UNIT	US 5 (MAIN STREET) @ VT ROUTE 9 (HIGH STREET)	NOTES
WIRED CONDUIT (2") (PVC)	678.23	LF	362'	-
WIRED CONDUIT (2 1/2") (PVC)	678.23	LF	36'	-
ELECTRICAL CONDUIT SLEEVE (8") (PVC)	678.30	LF	94'	-
PULL BOX - STANDARD	678.25	EA	3	-

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.

**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 142/119, 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 119 AND 142.
- 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.

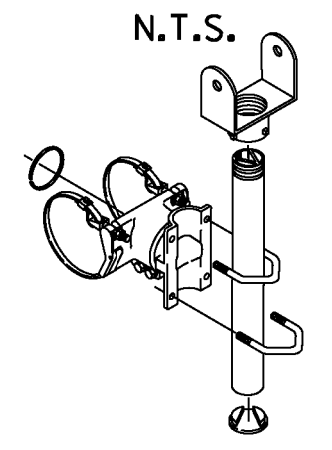


**RAILROAD PRE-EMPTION SIGN DETAIL**  
 MATERIALS: SEE STD. E-144  
 COLORS: TEXT & BORDER - BLACK  
 BACKGROUND - WHITE (REFL. ENCAPSULATED LENS)  
 NOT TO SCALE  
 NOTE: SEE SIGNING SHEETS FOR ALL OTHER SIGNS.

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.

RECEIVE RADIO SIGNAL FROM ELLIOT STREET FOR COORDINATION  
 RECEIVE RADIO SIGNAL FROM ROUTE 119 AND ROUTE 142 FOR RAILROAD PREEMPTION

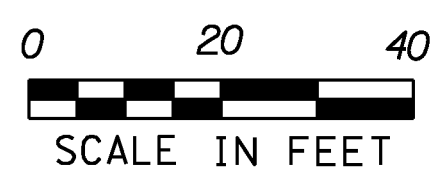
CAMERA EXTENSION BRACKET FOR MAST ARM AND MONOTUBE SIGN BRIDGE



SEE REVISED PAGE I53R

**US 5 (MAIN STREET) @ VT ROUTE 9 (HIGH STREET)**

ELECTRICAL CONDUIT SLEEVE (8") (PVC)	WIRED CONDUIT (2") (PVC)	WIRED CONDUIT (2 1/2") (PVC)
PB12 TO PB13 - 45'	PB12 TO PB13 - 50'	PB12 TO PB13 - 39'
PB14 TO PP4F - 49'	CONTROLLER TO PB12 - 52'	PB13 TO PP4A - 19'
	CONTROLLER TO PB14 - 26'	PB12 TO PP4B - 13'
	PB14 TO PP4F - 59'	PB12 TO PP4D - 12'
		PB14 TO PP4E - 10'
CONTROLLER TO MP4A - 18'		CONTROLLER TO POWER STANCHION - 36'
CONTROLLER TO MP4A - 18'		CONTROLLER TO LIGHT POLE - 46'



PROJECT NAME: BRATTLEBORO	PLOT DATE: 4/8/2010
PROJECT NUMBER: STP 2000(24)	DRAWN BY: V. KACOYANNAKIS
FILE NAME: z08d044trfbr.dgn	CHECKED BY: D. SPENCER
PROJECT LEADER: KEN UPMAL	SHEET 153 OF 163
DESIGNED BY: V. KACOYANNAKIS	
TRAFFIC SIGNAL SHEET 4	