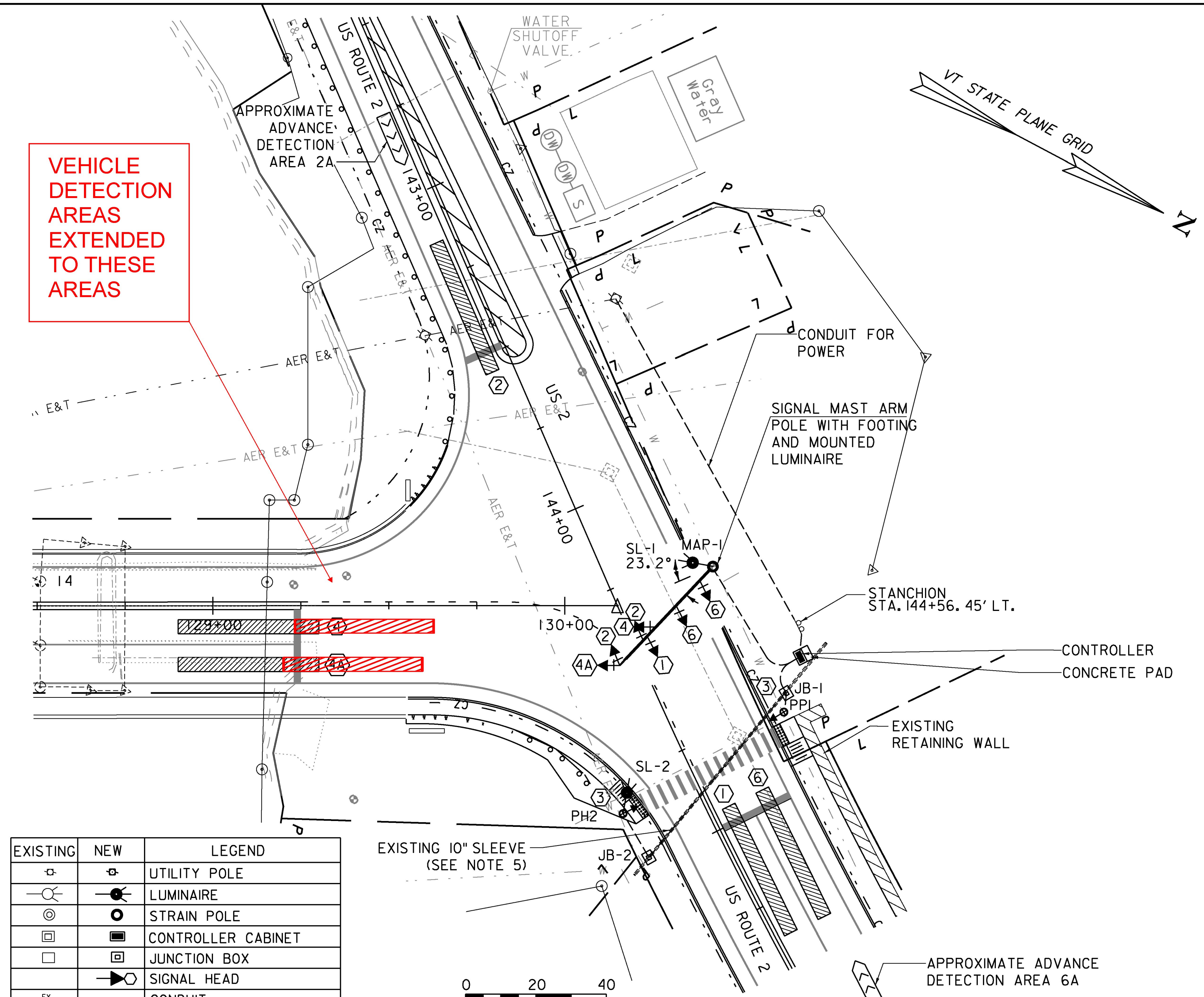
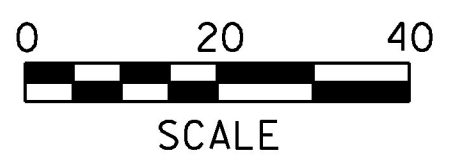


VEHICLE DETECTION AREAS EXTENDED TO THESE AREAS



EXISTING	NEW	LEGEND
⊕	⊕	UTILITY POLE
⊙	⊙	LUMINAIRE
⊙	⊙	STRAIN POLE
⊕	⊕	CONTROLLER CABINET
⊕	⊕	JUNCTION BOX
⊕	⊕	SIGNAL HEAD
- - -	- - -	CONDUIT
▨	▨	VEHICLE DETECTION AREA
◀◀◀	◀◀◀	ADVANCE DETECTION ZONE
⊕	⊕	VEHICLE DETECTOR
⊕	⊕	SIGNS
⊕	⊕	SLEEVE
⊕	⊕	PEDESTRIAN POLE, HEAD, AND PUSH BUTTON

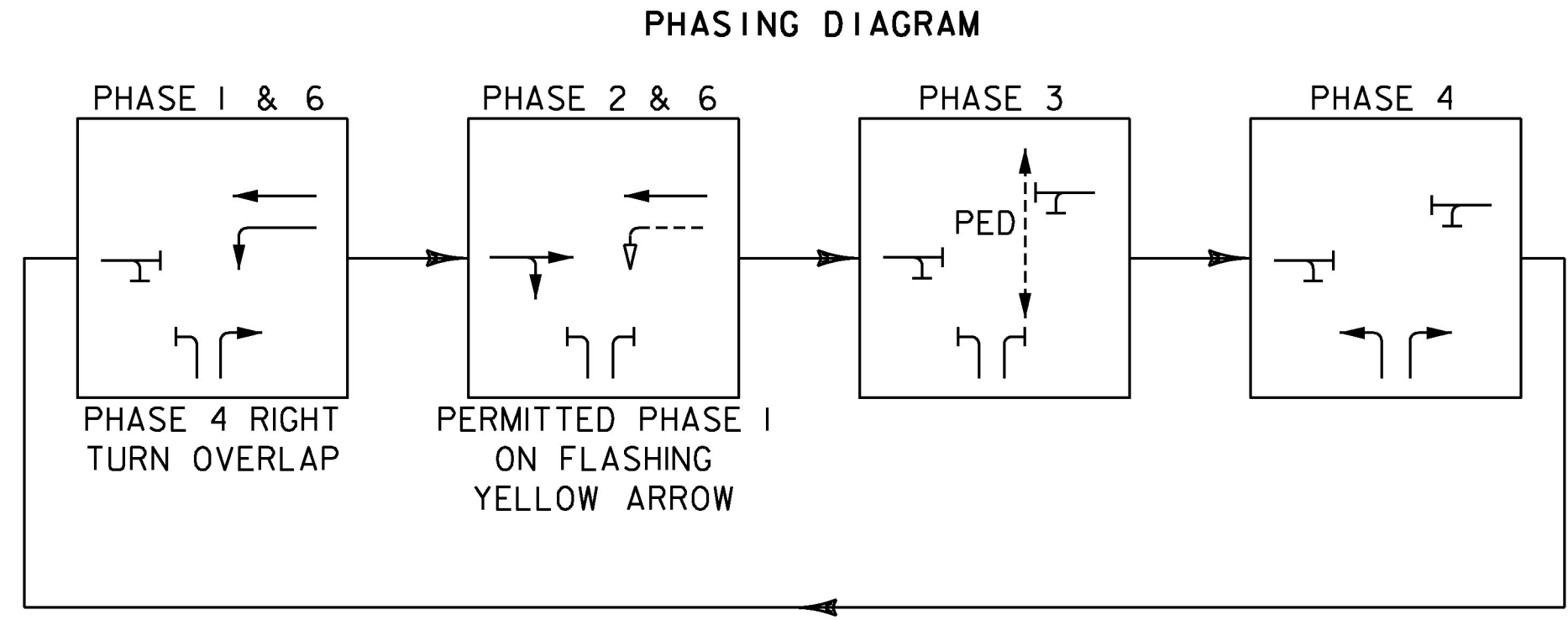
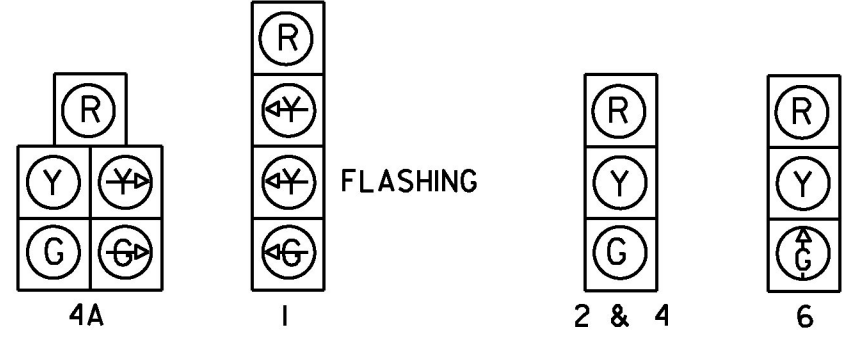


AVERAGE WEEKDAY PEAK HOUR TRAFFIC

AM	OFF	PM
80		50
100		240

AM	OFF	PM
210		210
210		340
600		600

NOTE: BACK PLATES TO BE INSTALLED ON ALL HEADS



TRAFFIC CONTROL SIGNAL SYSTEM, INTERSECTION
SEE LIST OF MAJOR EQUIPMENT, TRAFFIC SIGNAL AND PHASING PLAN - TSP 1

CONSTRUCT MAST ARM POLE
STA. 144+28, LT (MAP-1)

CONSTRUCT CONTROLLER CABINET (GROUND MOUNTED)
STA. 144+64, LT

CONSTRUCT PEDESTRIAN PEDESTAL POST
STA. 144+76, LT (PPI)

WIRED CONDUIT (2") (PVC) (SCH 80)
SEE SUMMARY TABLES ON SHEET TSP 2 FOR QUANTITIES AND PAY ITEM NUMBERS

ELECTRICAL CONDUIT (2") (PVC) (SCH 80)
SEE SUMMARY TABLES ON SHEET TSP 2 FOR QUANTITIES AND PAY ITEM NUMBERS

ELECTRICAL WIRING
SEE SUMMARY TABLES ON SHEET TSP 2 FOR QUANTITIES AND PAY ITEM NUMBERS

900.620 SPECIAL PROVISION (JUNCTION BOX, HEAVY DUTY)
STA. 144+73, 33' LT (JB-1)
STA. 144+98, 22' RT (JB-2)

679.46 STREET LIGHT ASSEMBLY
STA. 144+82, RT

679.47 BRACKET ARM
STA. 144+28, LT (39')

679.50 LUMINAIRE
STA. 144+28, LT

VEHICLE DETECTION							
DETECTION AREA	LANE	CALL PHASE	SIZE	TYPE	PULSE OR PRESENCE	DELAY	LOCKING MEMORY
1	U.S. 2 / VT 14 LEFT	1	6'X40'	VEHICLE	PRESENCE	NO	NO
2	U.S. 2	2	6'X40'	VEHICLE	PRESENCE	NO	NO
2A	U.S. 2 THRU	2	6'X40'	VEHICLE	ADVANCE PRESENCE	NO	NO
4	VT 14 LEFT	4	6'X40'	VEHICLE	PRESENCE	NO	NO
4A	VT 14 RIGHT	4	6'X40'	VEHICLE	PRESENCE	6 SEC	NO
6	U.S. 2 / VT 14 THRU	6	6'X40'	VEHICLE	PRESENCE	NO	NO
6A	U.S. 2 THRU	6	6'X40'	VEHICLE	ADVANCE PRESENCE	NO	NO

- VEHICLE DETECTION NOTES:
- EXACT LOCATION OF VEHICLE DETECTORS TO BE DETERMINED BY SUPPLIER.
 - ADVANCE DETECTION ZONE TO PROVIDE 200 TO 600 FEET OF DETECTION.
- GENERAL NOTES:
- TRAFFIC ITEMS ARE APPROXIMATE LOCATIONS AND MAY BE MODIFIED BY THE ENGINEER IN THE FIELD.
 - STOP BAR AND ADVANCE DETECTOR MOUNTING LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE MANUFACTURER'S GUIDANCE. THE CONTRACTOR SHALL SUBMIT PROPOSED MOUNTING LOCATIONS AND DOCUMENTATION OF CONFORMANCE WITH THE MANUFACTURERS GUIDANCE TO THE ENGINEER FOR APPROVAL.
 - EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR.
 - SEE TSN-1 FOR NOTES PERTAINING TO SIGNAL CONSTRUCTION.
 - 10" ELECTRICAL CONDUIT SLEEVE CROSSING US-ROUTE 2 BUILT PER CONTRACT BF EWP2(1). CONTRACTOR TO CUT AND REMOVE UNEEDED PORTIONS OF SLEEVE, INSTALL JUNCTION BOXES, AND INSTALL SPECIFIED CONDUITS WITHIN THIS EXISTING SLEEVE.

10" SLEEVE AS-BUILT INFORMATION		
STA	OFFSET	ELEV
145+00.7	27.5 RT	672.50
144+95.6	17.0 RT	669.67
144+91.3	8.0 RT	668.67
144+87.0	1.2 LT	666.75
144+83.2	10.1 LT	669.37
144+78.7	19.0 LT	669.89
144+74.2	28.2 LT	670.89
144+64.3	50.0 LT	672.58

PROJECT NAME: EAST MONTPELIER	PLOT DATE: 2/17/2017
PROJECT NUMBER: BRF 037-1(17)	DRAWN BY: S. NEELY
FILE NAME: 26a-Traff Sig & PH1.dgn	DESIGNED BY: D. DEBAIE
PROJECT LEADER: T. KNIGHT	CHECKED BY: K. RICHARDSON
TRAFFIC SIGNAL & PHASING PLAN-TSP 1 SHEET 56 OF 158	

