

TRAFFIC SIGNAL NOTES

1. INSTALL NEW STRAIN POLES, LUMINAIRES AND WORK PLATFORM.
2. INSTALL NEW SIGNAL AND LIGHTING CABLES, A NEW METER BASE AND DISCONNECT. RELOCATE EXISTING SIGNAL HEADS (USING NEW DISCONNECT HANGERS) AND CONTROLLER TO NEW POLE #1. ADD ID PLAQUE TO THE CABINET. SWITCHOVER TIME TO THE NEW SPAN SHALL BE MINIMIZED AND WILL NOT BE ALLOWED DURING THE 7-8 AM OR 3:30-6 PM PERIOD.
3. DISCONNECT EXISTING LEFT TURN LOOP AT THE CONTROLLER PRIOR TO BOX CUTTING OR GRINDING THE ROADWAY. SET PHASE 3 TO MAX RECALL OR, AT THE DISCRETION OF THE ENGINEER, THE SIGNAL MAY BE LEFT ON FLASH, WITH TRAFFIC CONTROLLED BY A UTO WEEKDAYS FROM 4:30 TO 5:00 PM. UNTIL THE NEW LOOP AND LEAD-IN IS INSTALLED, THE LOOP INSTALLATION SHALL NOT BE DONE DURING THE 7-8 AM OR 3:30-6 PM PERIOD.
4. ALIGN THE POLE MOUNTED HEAD SUCH THAT IT IS NOT BLOCKED BY THE RELOCATED UTILITY POLE.
5. RETAIN THE EXISTING NATIONAL LIFE DR. LOOP. INSTALL A NEW PULLBOX JUST BEHIND THE EXISTING ONE AND EXTEND THE LOOP WIRES TO IT. THERE IS ABOUT 4' OF SLACK IN THE EXISTING WIRING. REPLACE THE LOOP LEAD-IN FROM THE PULLBOX TO POLE #2.
6. IF CONSTRUCTION ACTIVITIES PRECLUDE RETAINING THE LOOP ON NATIONAL LIFE DR., IT SHOULD BE DISCONNECTED AND PHASE 2 PUT ON MAX RECALL OR TRAFFIC CONTROLLED BY A UTO, AS ABOVE. THE LOOP SHOULD BE REPLACED AS SHOWN ON THE PLANS AS SOON AS PRACTICAL.
7. REMOVE THE EXISTING PULLBOXES, WOOD POLES, LUMINAIRES AND THE PLATFORM AT POLE #1. ALL EQUIPMENT, NOT REUSED, SHALL BE DELIVERED TO THE AGENCY TRAFFIC SHOP ON THE BARRE-MONTPELIER RD. IMMEDIATELY AFTER REMOVAL.
8. RETAIN THE EXISTING TIMING AND PHASING, BUT CHANGE THE TIME OF FULL OPERATION TO 3:15 PM TO 5:15 PM.
9. CLEAN ALL LENSES (REPLACE IF DAMAGED) AND REPLACE ALL BULBS.
10. RUN UNDERGROUND POWER FROM THE RELOCATED UTILITY POLE TO POLE #1. THE SERVICE SHALL RUN ON THE OUTSIDE OF POLE #1.
11. RELOCATE (REPLACE AS NECESSARY) THE AERIAL INTERCONNECT BETWEEN GREEN MTN. DR. AND THE NATIONAL LIFE DR. SIGNAL. RUN THE INTERCONNECT CABLE UNDERGROUND BETWEEN THE SERVICE POLE AND POLE #1.
12. SEE SHEET 55 FOR ADDITIONAL INFORMATION.

LIST OF MAJOR EQUIPMENT (ITEM 678.15 MOD)

- 2 STRAIN POLES WITH REINFORCED CONCRETE BASES (SEE SHEET 56)
 - 1 PRESSURE TREATED TIMBER WORK PLATFORM (SEE DETAIL-BELOW LEFT)
 - 6 DISCONNECT HANGERS WITH NON-ALUMINUM BALANCE ADJUSTER FITTINGS (FOR SPAN WIRE MOUNTED HEADS)
 - 1 TERMINAL COMPARTMENT (FOR POLE MOUNTED HEAD)
 - 1 LUMINAIRE (SEE SHEET 55)
 - 1 METER BASE AND DISCONNECT BOX
 - 1 INTERSECTION MONITOR
 - 1 PHONE JACK AND MODEM
- MISCELLANEOUS CABLE, WIRING, HARDWARE, BULBS, ETC. TO COMPLETE THE SYSTEM

VEHICLE LOOP DETECTOR

31+65 - 32+10, CL
+ LEAD-IN

PULLBOX

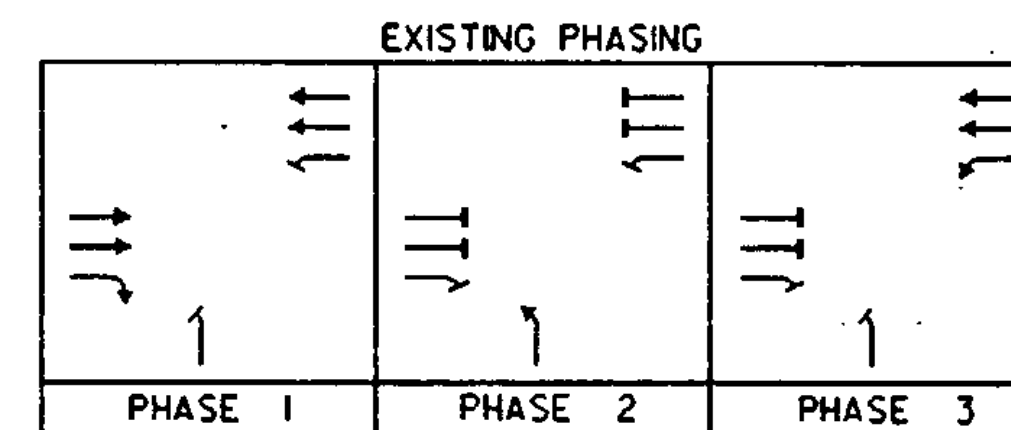
31+15, 92' RT

ELECTRICAL CONDUIT (2")

UTILITY POLE TO POLE #1
(FUTURE PHONE DROP)
SWEEP AT EACH POLE
SWEEP AT THE PULLBOX

WIRED CONDUIT

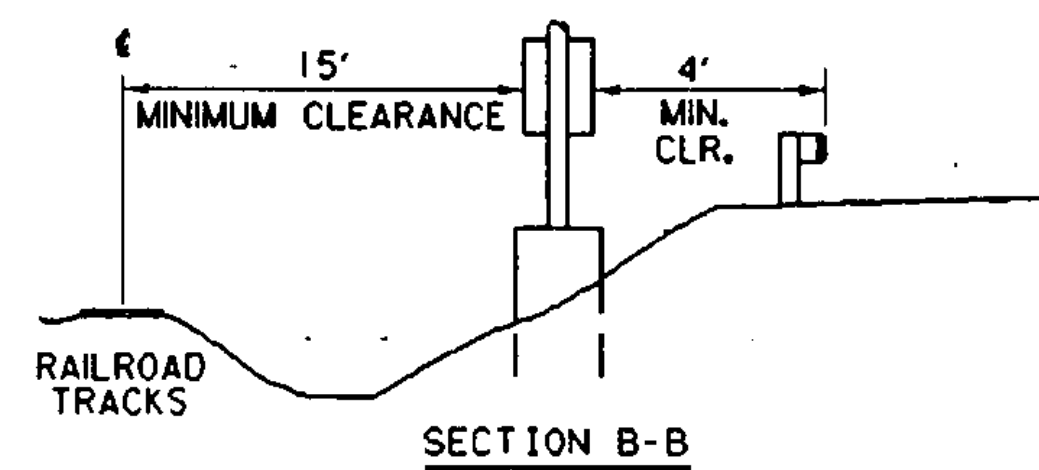
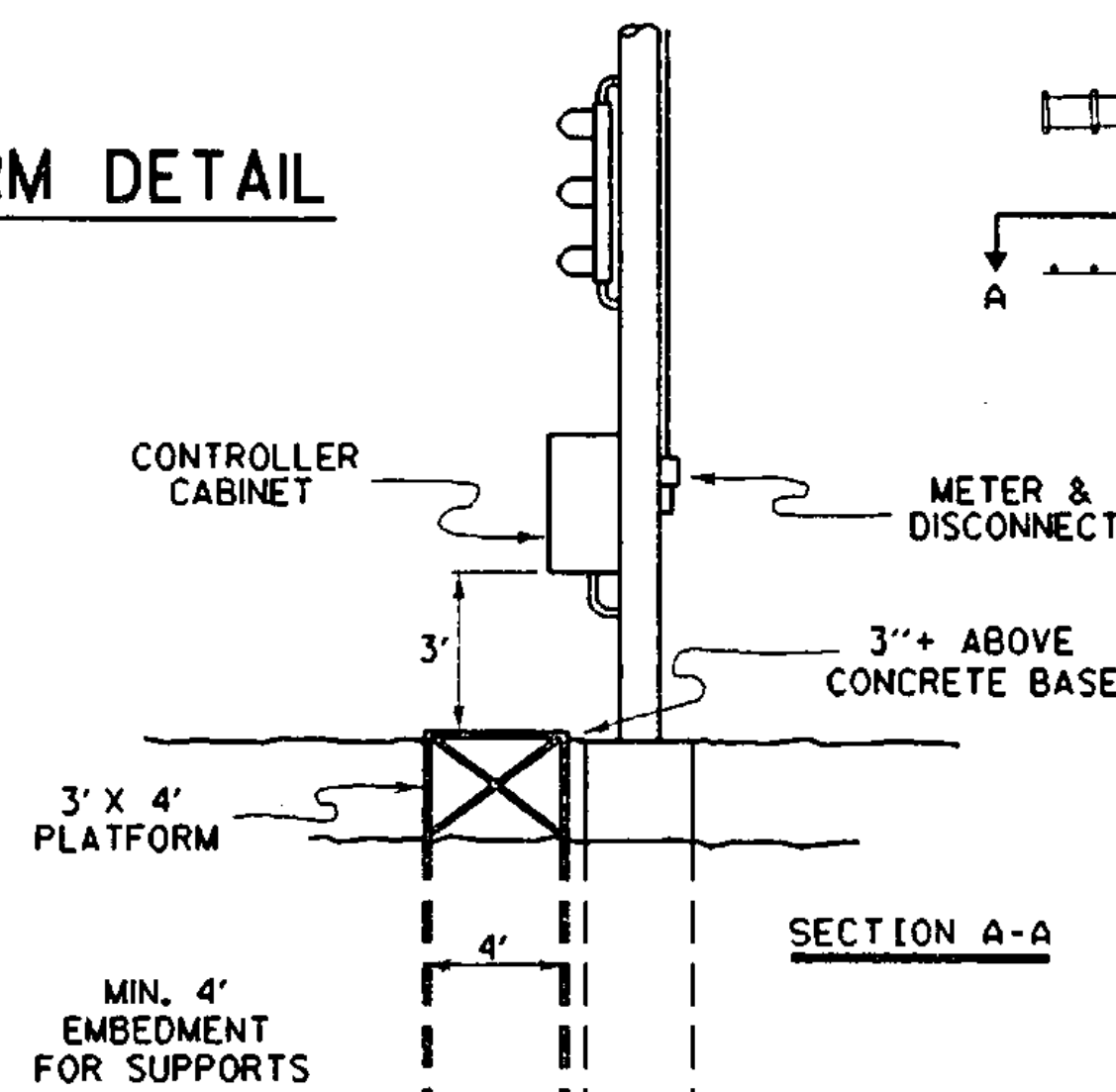
SHOULDER TO POLE #1 1-1/2"
PULLBOX TO POLE #2 1-1/2"
PULLBOX TO SHOULDER 1-1/2"
UTILITY POLE TO POLE #1 (2) 2"
(SERVICE LINE & INTERCONNECT)



WORK PLATFORM DETAIL

NOTES:

1. CONSTRUCT OF PRESSURE TREATED TIMBER.
2. LOADING MIN. - 50 LBS./SF
3. SEE SECTION 522 - LUMBER & TIMBER, FOR REQUIREMENTS.
4. PAYMENT SHALL BE SUBSIDIARY TO ITEM 678.15 MOD.



VEHICLE DETECTOR LOOPS

LANE	LOOP	SIZE	TYPE	* OF TURNS	CALL Ø	CALCULATED		MEASURED		LEAK. TO GRD.
						INDUCTANCE	RESISTANCE	INDUCTANCE	RESISTANCE	
WB LT	▲	6' x 45'	QUAD	2	3	390	0.77			
NAT. LIFE DR	▲	6' x 30'	QUAD	2	2	329	1.35			

* RETAIN EXISTING LOOP IF POSSIBLE

EXISTING	NEW	LEGEND
□	■	UTILITY POLE
○	●	LUMINAIRE
○	●	LIGHT OR WOOD POLE
○	●	STRAIN POLE
□	■	CONTROLLER CABINET
□	■	PULLBOX/JUNCTION BOX
○	●	SIGNAL HEAD
—	—	CONDUIT
○	●	VEHICLE LOOPS
○	●	PEDESTAL POST
○	●	STANCHION
—	—	SWEEP

TRAFFIC SIGNAL DETAILS
MONTPELIER STATE HWY.
NATIONAL LIFE DRIVE

SURVEYED BY: _____ DATE: _____
DRAWN BY: L.K.A./J.A.G. DATE: 4-2-91
SQUAD LEADER: _____
DESIGN FILE NO. /tr0f/89008/tb018+.dgn
SPRM: tb018.tio.1 DATE PLOTTED: 7-MAR-1996
PROJ. NAME: MONTPELIER
PROJ. NO.: F EGC-F 028-2(8)
SHEET 54 OF _____ SHEETS