

67

SUPERVISED BY *AL Padua*  
DESIGNED BY *AW Mangels*

DATE	
BY	
PLAN	
NOTEBOOK	
NO.	

# QUANTITY SUMMARIES

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

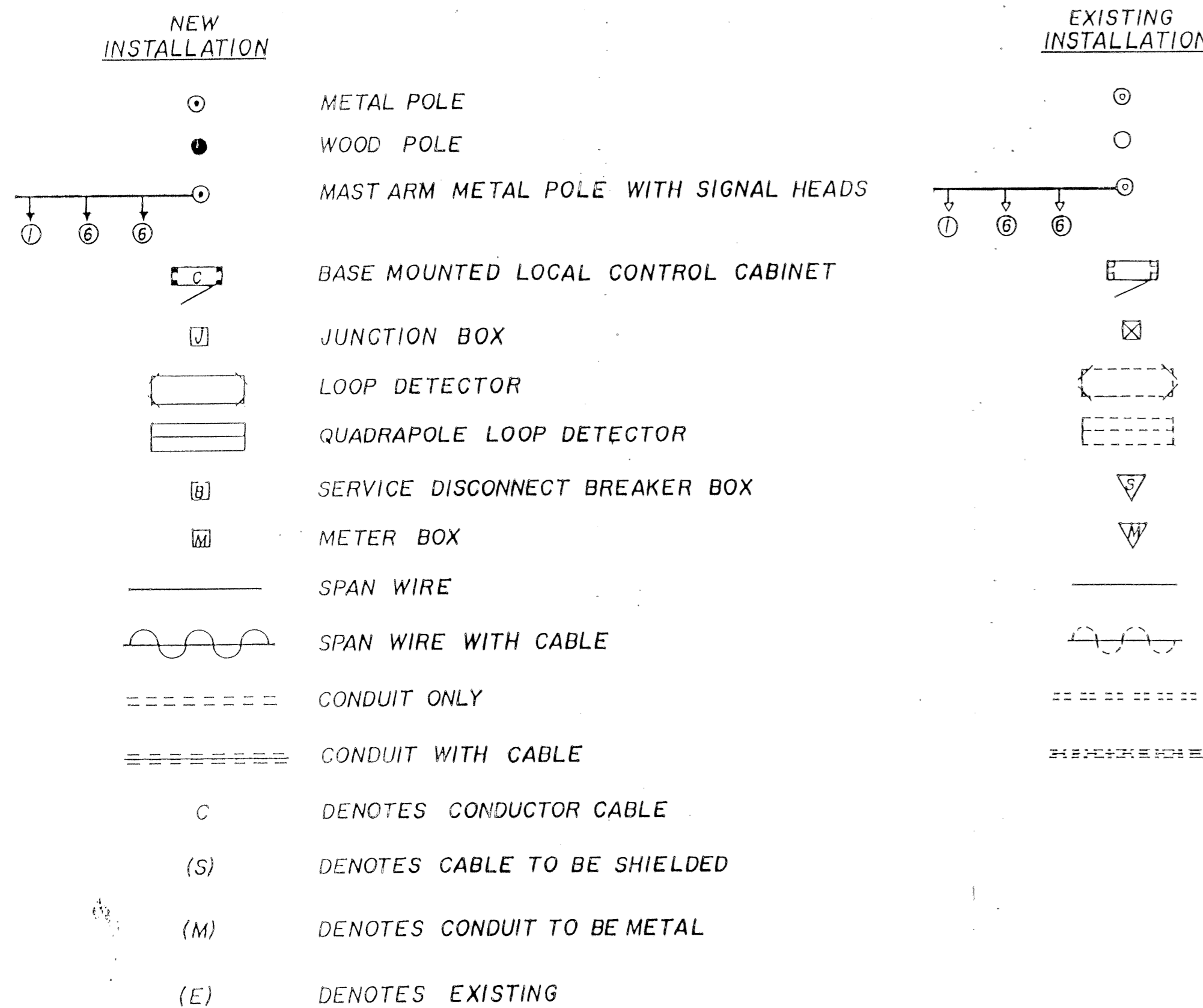
REVISED	FHWA ACTION	STATE	FEDERAL AID	STATE	SHEET NO.
			PROJECT	ROUTE	PROJECT
	3	VA		11	0011-080-RS C-502

INTERSECTION																																										
		UNIT	Controller	Modern	Electrical Service SE-3	Traffic Signal Head Section 12" Standard	Pedestrian Signal Head SP-3	Concrete Foundation Signal Pole	Concrete Foundation, CF-1	Signal Pole MP-1 20' One Arm 50'	Signal Pole MP-1 20' Two Arm 54' 60'	Pedestrian Pole PF-2 10'	Loop Detector Amplifier	8/11 Conductor Cable	14/2 Conductor Cable	14/3 Conductor Cable	14/4 Conductor Cable	14/1 Enclosed Conductor Cable	14/2 Conductor Cable Shielded	Pedestrian Pushbutton	Hanger Assembly SMB-1, One way.	Hanger Assembly SMD-2	Saw Cut *	Junction Box JB-1A, 1B, or 1C	Junction Box JB-3A, 3B, or 3C	Junction Box JB-5A, 5B or 5C	1" Metal Conduit	1/4" Metal Conduit	2" Conduit	3" Conduit	Jacketed 4" Pipe	Jacketed 6" Pipe	Trench Excavation ECI-1	Hanger Assembly SM-3, One Way	Concrete Foundation PF-2							
SHEET NO.		Each	Each	Each	Each	Each	Each	Each	Each	Each	Each	Each	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Each	Each	Each	Lin. Ft.	Each	Each	Each	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Each	Each								
1	Rte. 11 and Hollins College	1	1	1	33	2	2	1	1	1	2	10	40	695	695	1,440	2,200	3,250	2	2	3	740	4	6	1	60	5	825	15	35	135	445	11	2								
																																</										

\*\* Hanger Assembly SMD-2 shall be paid for at the contract unit price per each. This price shall include furnishing and installing Hange Assemblies, installing sign panels to be supplied by VDOT, and all tools, equipment, and labor as necessary to complete the work.

\* This quantity includes 590 Lin. Ft. of 3/8" Saw Cut for the loops and 150 Lin. Ft. of 5/8" Saw cut for the homeruns

## LEGEND



## NOTES:

- A #8 BOND WIRE SHALL BE INSTALLED IN ALL PVC UNDERGROUND CONDUITS SO ENTIRE CONDUIT SYSTEM IS BONDED.
- All signal heads shall be 12" standard and aluminum in accordance with section 703.02 of the Virginia Department of Transportation Road and Bridge Specifications, January, 1991. All signal heads shall be installed in accordance with St'd. SM-3 and shall have backplates. Heads 1, 5, and 2A shall be equipped with tunnel visors.
- All pedestrian signal indications shall be St'd. SP-3, aluminum, installed in accordance with St'd. SMB-1 and shall be equipped with visors.
- All junction boxes shall be installed in accordance with St'd. JB-1A, 1B, or 1C; JB-3A, 3B, or 3C; or JB-5A, 5B, or 5C.
- All underground conduit shall be installed in accordance with St'd. ECI-1.
- All 14/4 conductor cable and 14/2 conductor cable shielded shall be run in separate conduit as indicated on plans.
- All signal pole foundations shall be installed in accordance with St'd. PF-1, designed and submitted for review by a professional engineer in accordance with section 105 of the Virginia Department of Transportation Road and Bridge Specifications, January, 1991.
- All pedestal pole foundations shall be installed in accordance with St'd. PF-2.
- Controller cabinet foundation shall be installed in accordance with St'd. CF-1.
- SIGNAL CONTROL EQUIPMENT SHALL BE COMPATIBLE WITH EAGLE MARK SYSTEM SOFTWARE.
- Electrical Service shall be installed in accordance with St'd. SE-3 with service meter and breaker box. Overhead service shall be supplied from nearest power supply.
- All pedestal pole wiring shall be installed in accordance with St'd. WD-4.
- Pedestrian push buttons shall be installed in accordance with St'd. PA-2.
- All signs shall be furnished by VDOT and installed by the contractor in accordance with St'd. SMD-2 or PA-2 (for pedestrian actuation sign S-3). S-3 Signs SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.
- Existing crosswalk ahead flashers on Rte. 11 shall be maintained at all times. Care shall be taken by the Contractor during construction so as not to damage any existing equipment. Any damaged equipment shall be replaced by the Contractor at his own expense.
- Any questions concerning traffic signal installation may be answered by contacting the VDOT, Salem District Signal Shop at (703) 387-5449.

VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
TRAFFIC CONTROL DEVICES  
QUANTITY SUMMARIES  
RT. 11 @ HOLLINS COLLEGE