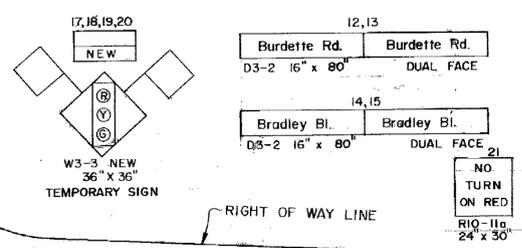


REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	N/A	1	1

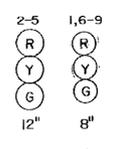
**PROPOSED CAMERAS**

■ - VIDEO DETECTION CAMERA (A-D)

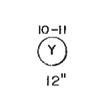
**SIGNS**



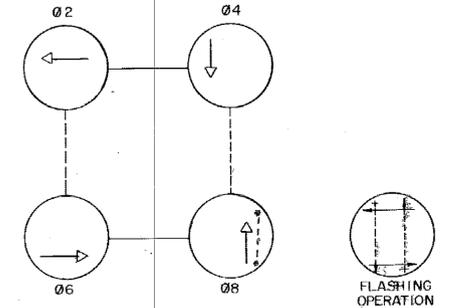
**SIGNALS**



**EXISTING SIGNALS**



**NEMA PHASING**



**PHASING NOTES**

1. Phases associated by a solid line will not operate concurrently.
2. Phases associated by a dashed line will operate concurrently.

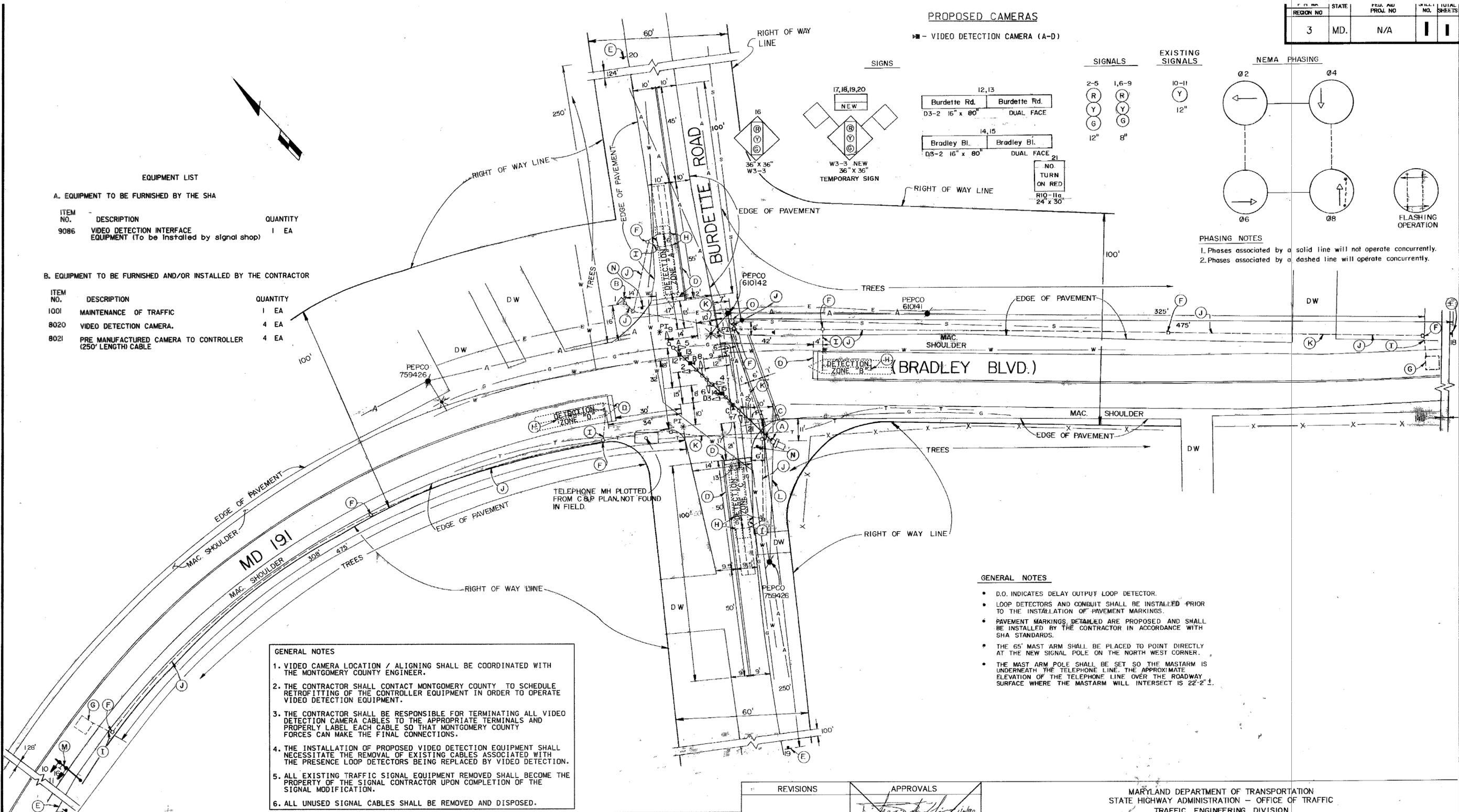
**EQUIPMENT LIST**

**A. EQUIPMENT TO BE FURNISHED BY THE SHA**

ITEM NO.	DESCRIPTION	QUANTITY
9086	VIDEO DETECTION INTERFACE EQUIPMENT (To be installed by signal shop)	1 EA

**B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR**

ITEM NO.	DESCRIPTION	QUANTITY
1001	MAINTENANCE OF TRAFFIC	1 EA
8020	VIDEO DETECTION CAMERA.	4 EA
8021	PRE MANUFACTURED CAMERA TO CONTROLLER (250' LENGTH) CABLE	4 EA



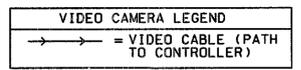
- GENERAL NOTES**
1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE MONTGOMERY COUNTY ENGINEER.
  2. THE CONTRACTOR SHALL CONTACT MONTGOMERY COUNTY TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
  3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT MONTGOMERY COUNTY FORCES CAN MAKE THE FINAL CONNECTIONS.
  4. THE INSTALLATION OF PROPOSED VIDEO DETECTION EQUIPMENT SHALL NECESSITATE THE REMOVAL OF EXISTING CABLES ASSOCIATED WITH THE PRESENCE LOOP DETECTORS BEING REPLACED BY VIDEO DETECTION.
  5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
  6. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.

**GENERAL NOTES**

- D.O. INDICATES DELAY OUTPUT LOOP DETECTOR.
- LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
- THE 65' MAST ARM SHALL BE PLACED TO POINT DIRECTLY AT THE NEW SIGNAL POLE ON THE NORTH WEST CORNER.
- THE MAST ARM POLE SHALL BE SET SO THE MASTARM IS UNDERNEATH THE TELEPHONE LINE. THE APPROXIMATE ELEVATION OF THE TELEPHONE LINE OVER THE ROADWAY SURFACE WHERE THE MASTARM WILL INTERSECT IS 22'-2" ±.

**UTILITY LEGEND**

- G-G- GAS MAIN
- W-W- WATER MAIN
- S-S- SEWER MAIN
- E-E- ELECTRIC CABLES
- T-T- TELEPHONE CABLES
- A-A- AERIAL CABLES



REVISIONS	APPROVALS
	 CHIEF, SIGNAL DESIGN SECTION  CHIEF, BUREAU OF TRAFFIC ENGINEERING  DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

MARYLAND DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION - OFFICE OF TRAFFIC  
TRAFFIC ENGINEERING DIVISION

DRAWN BY: L.M. TAUBER  
DES. BY: J.D. MALINOWSKI  
CHK. BY: *Emm* 1/11/90

DATE: JAN. 1990  
SCALE: 1" = 20'

F.A.P. NO.: N/A  
S.H.A. NO.: M-649-459-385

SIGNAL NO. 15019105.31  
TS/FILE NO. 2583A

TIMS#: G586  
MD 191 (BRADLEY BLVD.)  
AND BURDETTE ROAD  
COUNTY: MONTGOMERY

SHEET NO. 2 OF 5