

GENERAL

THIS PROJECT INVOLVES A MINOR MODIFICATION OF THE TRAFFIC SIGNAL AT THE INTERSECTION OF MD 26 (LIBERTY ROAD) AT MD 75 (GREEN VALLEY ROAD) IN FREDERICK COUNTY. THE EXISTING VEHICULAR PRESENCE LOOP DETECTORS ALONG MD 75 WILL BE UPGRADED TO VIDEO DETECTION. ADDITIONALLY, PASSAGE DETECTION WILL BE REPLACED ALONG ALL INTERSECTION APPROACHES.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FOUR PHASE, SEMITRAFFIC ACTUATED MODE WITH SPLIT PHASING ON THE SIDE STREET. THE EXISTING ALTERNATE SIDE STREET PEDESTRIAN PHASE WILL REMAIN.

CONTROLLER REQUIREMENTS

THE SHA SIGNAL SHOP WILL RETROFIT THE EXISTING CABINET WITH A DETECTOR RACK AND ONE (1) VIDEO DETECTION INTERFACE EQUIPMENT WITHIN THE CABINET.

PROJECT CONTACTS

Mr. David Coyne
District Engineer
301-624-8102

Mr. Richard Daff
Chief Traffic Operations Division
410-787-7630

Mr. John Concannon
Assistant District Engineer (Traffic)
301-624-8141

Mr. Sonny Bailey
Sign Shop
410-787-7670

Mr. Raymond Johnson
Assistant District Engineer (Maintenance)
301-624-8106

Mr. Robert Snyder
Assistant Chief, Traffic Operations Division
410-787-7630

Mr. Andria Abend
Utilities Engineer
301-624-8110

Mr. Ed Rodenhizer
Team Leader Signal Operations
410-787-7650

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

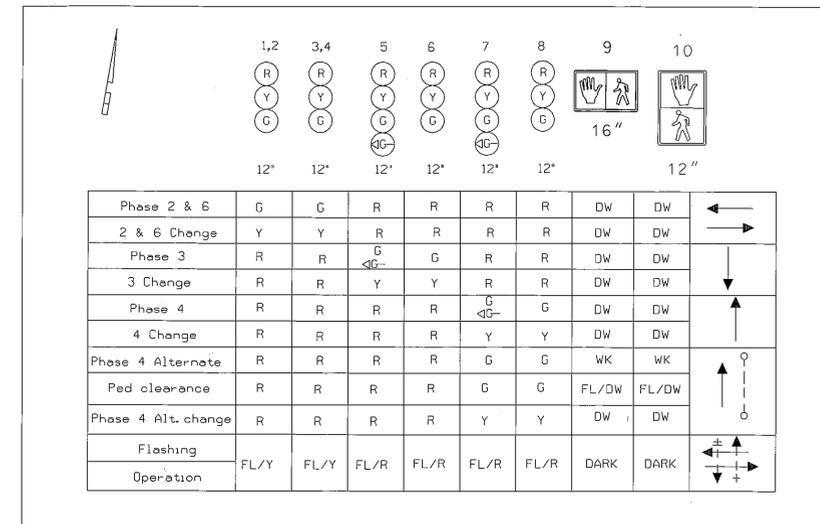
- * 9046 1 EA DETECTOR RACK RETROFIT
- * 9086 1 EA VIDEO DETECTION INTERFACE EQUIPMENT (1-4 CAMERAS)

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

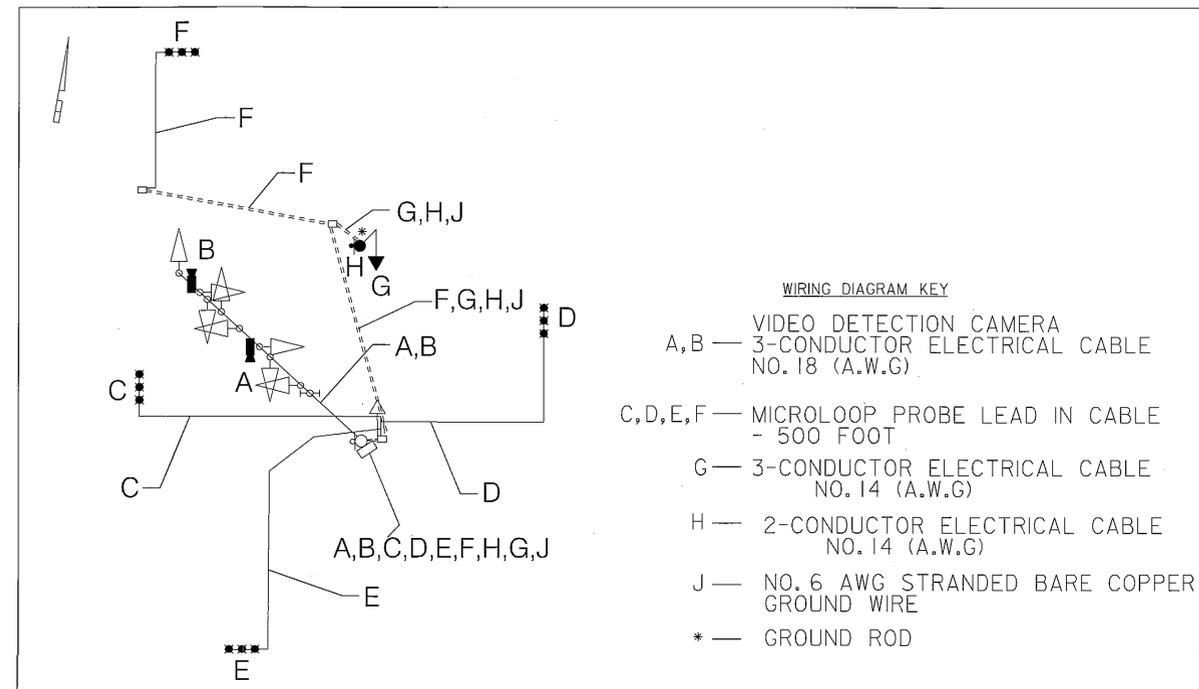
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8002	1 EA	ADJUST HANDHOLE TO GRADE
8007	2 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA AND CABLE UP TO (500')
8011	95 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH-SLOTTED
8012	10 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH-TRENCHED
8018	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8022	4 EA	FURNISH AND INSTALL MICROLOOP PROBE SET
8023	955 LF	FURNISH AND INSTALL SAWCUT
NEG.	170 SF	INSTALL 5 INCH CONCRETE SIDEWALK
NEG.	110 LF	FURNISH AND INSTALL 2 CONDUCTOR #14 AWG
NEG.	115 LF	FURNISH AND INSTALL 3 CONDUCTOR #14 AWG
NEG.	15 LF	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT
8026	1 EA	FURNISH AND INSTALL 16" LED PED SIGNAL HEAD

* TO BE INSTALLED BY SHA SIGNAL SHOP

PHASE CHART



WIRING DIAGRAM



TOD No: AX141-12
SHA No: FR640A51/B51
MD 26 @ MD 75

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 26 AND MD 75
LIBERTYTOWN, MARYLAND

TRAFFIC SIGNAL - GENERAL INFORMATION

SCALE: 1"=20'	ADVERTISED DATE:	CONTRACT NO. AX1415185
DESIGNED BY: CJW	COUNTY: FREDERICK	
DRAWN BY: CJW	LOGMILE: 1002609.68	
CHECKED BY: JWB	TIMS NO. J513	
F.A.P. NO. AC-STPG-NHG-000A(217E)	TOD NO.:	
TS NO. 2169D	DRAWING OF	SHEET NO. 2 OF 2