

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 458 (SILVER HILL RD.) AND MD 218 (SUITLAND RD.) IN PRINCE GEORGE'S COUNTY. MD 458 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION. THIS WORK IS NECESSITATED BY THE REMARKING OF THE SOUTH APPROACH AND WILL INVOLVE THE INSTALLATION OF DETECTORS, CONDUIT, WIRING, PAVEMENT MARKINGS AND SIGNING.

CONTROLLER OPERATION

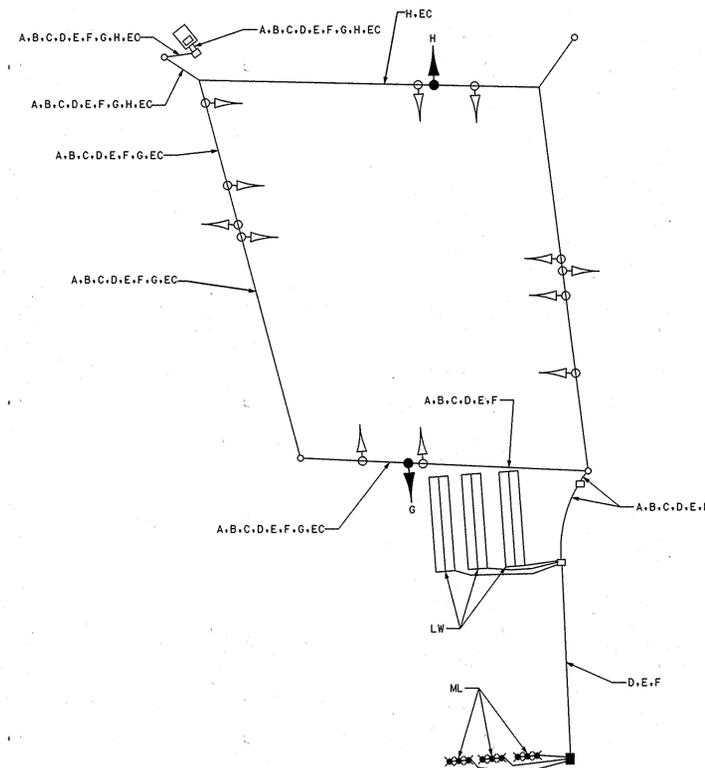
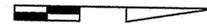
THE EXISTING EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. THE CONTROLLER CURRENTLY OPERATES AS A SIX PHASE SEMI-ACTUATED CONTROLLER AND WILL NOT BE CHANGED.

EQUIPMENT LIST

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5005	8 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING LETTER
5006	2 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING LEFT ARROW
5006	2 EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING RIGHT ARROW
8017	3 EA	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN
8021	340 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	50 LF	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8026	70 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8033	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8040	1360 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8041	1150 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8045	400 L.F.	FURNISH AND INSTALL 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
----	1 EA	FURNISH AND INSTALL R3-5R SIGN (30 IN. X 36 IN.) SPAN WIRE MOUNT
----	1 EA	REMOVE EXISTING SIGN
----	1 EA	FURNISH AND INSTALL R3-5L SIGN (30 IN. X 36 IN.) SPAN WIRE MOUNT
----	2 EA	FURNISH AND INSTALL 8 IN./12 IN. ONE-WAY, FOUR-SECTION (R,Y,G,GA) VEHICLE TRAFFIC SIGNAL HEAD - SPAN WIRE MOUNT

WIRING DIAGRAM



WIRING KEY

- A-C 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- D-F MICRO-LOOP PROBE
- G-H 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- LW LOOP WIRE (NO. 14 A.W.G.)
- ML MICRO-LOOP PROBE
- LW LOOP WIRE
- EC EXISTING CABLE

NOTES

1. UNLESS OTHERWISE NOTED, ALL EXISTING WIRING WILL BE USED.

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
 MD 458 (SILVER HILL RD.) AND MD 218 (SUITLAND RD.)

DRAWN BY: T.M.Z	F.A.P. NO.	TS NO. 246E GI	SHEET NO.
CHECKED BY: K.W.S	S.H.A. NO.	T.I.M.S. NO.	2 OF 2
SCALE: NONE	COUNTY: PRINCE GEORGE'S		
DATE: 10-26-00	LOG MILE:		