

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic signal at the intersection of MD 4 and Dower House Road in Prince George's County, Maryland. Existing detection and signal heads will be upgraded. MD 4 is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- The intersection operates in a NEMA 5-phase, actuated mode.
- The existing NEMA full-traffic-actuated, eight (8) phase controller housed in a NEMA 6 base cabinet is utilized at this location.

NOTES

- All pavement markings shall be installed in accordance with Administration standards.
- The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.
- All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in the appropriate 800 series Standard Plates. The contractor shall verify ultimate grades prior to the installation of all signal equipment.

CONTACTS

DISTRICT 3	OFFICE OF TRAFFIC AND SAFETY
MR. BRIAN YOUNG DISTRICT ENGINEER 301-513-7311	MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS 410-787-7630
MS. FELECIA MURPHY ASSISTANT DISTRICT ENGINEER 301-513-7404	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. VICTOR GRAFTON UTILITY ENGINEER 301-513-7350	MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS 410-787-7650
MR. KEVIN NOWAK & DUANE BERNARD ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 301-513-7385	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS 410-787-7670
MR. VERNON STINNETT ASSISTANT DISTRICT ENGINEER - MAINTENANCE 301-513-7304	MR. MIKE STOCKER SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	VIDEO DETECTION INTERFACE EQUIPMENT FOR 1-8 CAMERAS	EA	1
973023	SHEET ALUMINUM SIGNS CONSISTING OF: R3-2 (30" X 30") SPAN WIRE MOUNT	SF EA	6.25 1

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

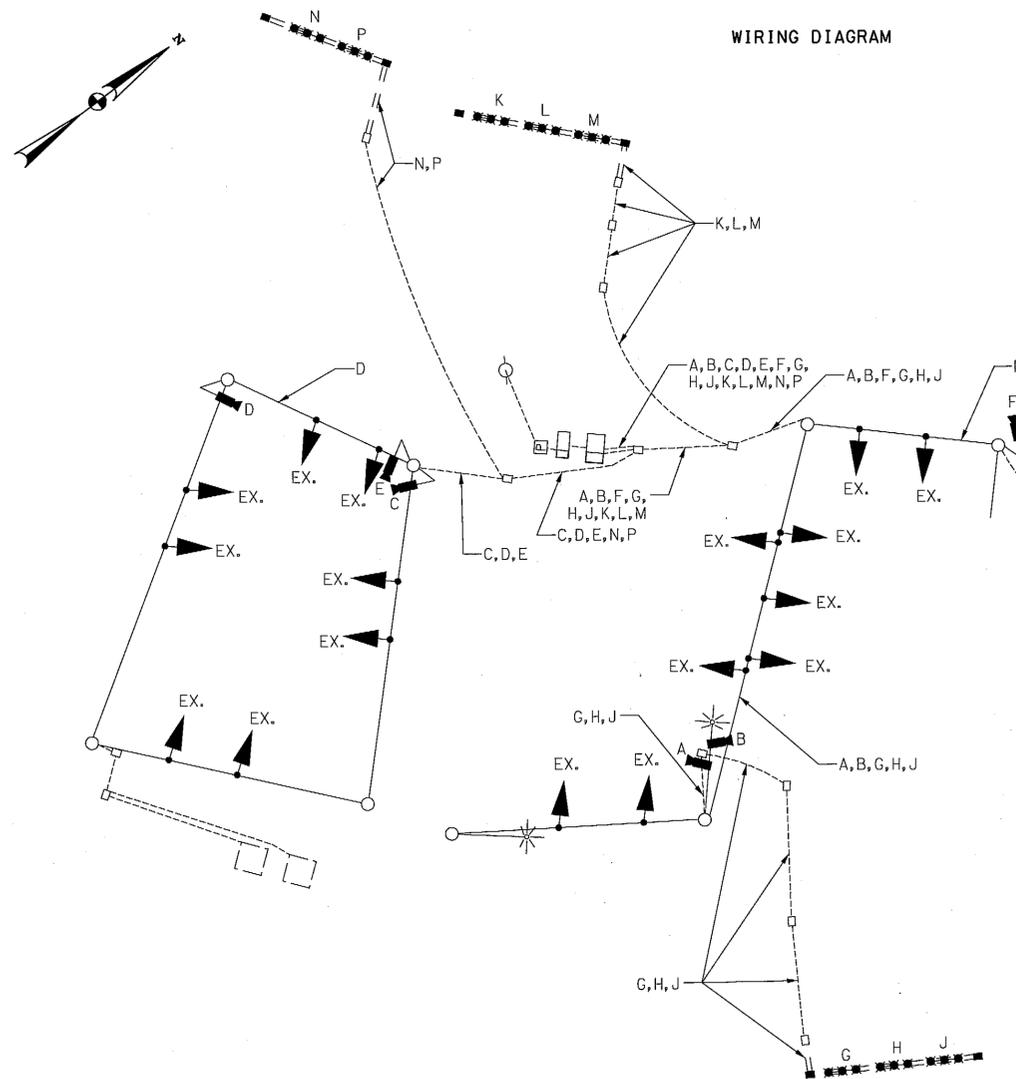
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
585625	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	LF	325
585700	REMOVAL OF EXISTING PAVEMENT MARKING LINES, ANY WIDTH	LF	80
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
800000	IP-BASED VIDEO DETECTION CAMERA AND CABLE	EA	6
805115	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	170
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	85
810601	NONINVASIVE DETECTOR, 500 FOOT LEAD IN CABLE	EA	2
810605	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE	EA	6
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	6
813015	INSTALL OVERHEAD SIGN	SF	7
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	53

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

NO CHANGE

WIRING DIAGRAM



KEY

- A,B,C,D,E,F } VIDEO DETECTION CABLE
- G,H,J,K,L,M,N,P } NON-INVASIVE PROBE LEAD-IN CABLE
- EX. } USE EXISTING CABLE

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 4 (PENNSYLVANIA AVENUE) AT DOWER HOUSE ROAD
MELLWOOD, MARYLAND

REVISIONS		TRAFFIC SIGNAL PLAN	
SCALE N.T.S. ADVERTISED DATE JUNE 2012 CONTRACT NO. PG8645180		DESIGNED BY A. GRIFFIN COUNTY PRINCE GEORGE'S	
DRAWN BY A. GRIFFIN LOGMILE 18000407.73		CHECKED BY J. WEAVER TMS NO. L429	
F.A.P. NO. SEE TITLE SHEET		TOD NO.	
TS NO. 1769 D	DRAWING pSG OF N001	SHEET NO.	OF

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