PROJECT DESCRIPTION

This project involves the modification of a Traffic control signal at the intersection of US 40 (Pulaski Highway) and MD 7 (Delaware Avenue) in Cecil County. The signal is being modified to include signalization for a new consolidated driveway on the south side of US 40 associated with a new development. The existing controller and all other existing equipment will remain in use at the intersection.

INTERSECTION OPERATION

The intersection currently operates in a NEMA three phase, semi-actuated mode with protected/permissive left turn phasing on the eastbound US 40 approach. The new northbound signalized approach will operate concurrently with the existing southbound approach.

SPECIAL NOTES

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 contact persons for District #2 are as follows:
Mr. Robert Kiel
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Terry Wright
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
District Engineer - Utility
Phone: (410) 810-3215

Mr. Richard L. Doff, Sr.
Chief, Traffic Operations Division
Phone: (410) 181-7650

Mr. Ed Rodenhizer
SHA Signal Shop
Phone: (410) 181-7650

The Power Company Representative is:
Mr. Bill McMullen
Delmarva Power
Phone: (410) 287-1144

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE STATE HIGHWAY ADMINISTRATION.

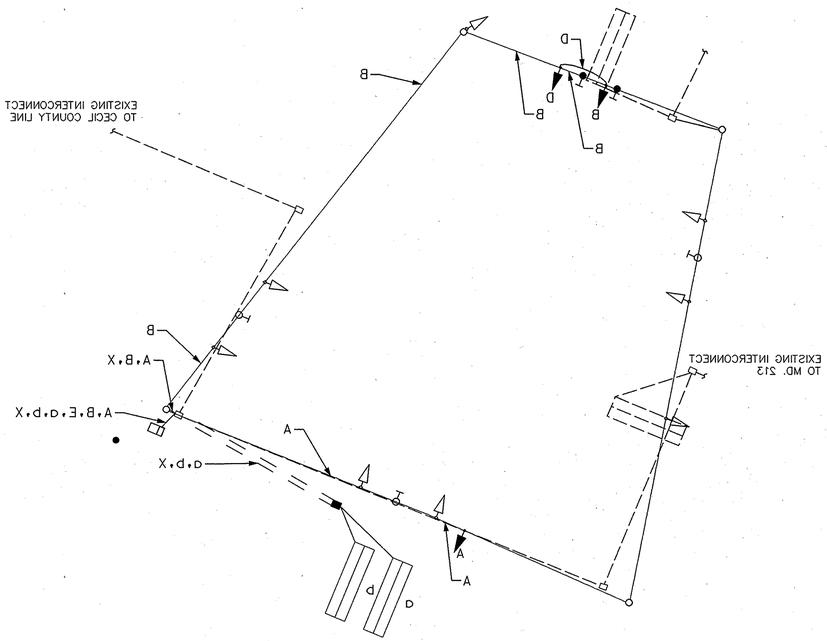
NONE

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED TO SHA FOR APPROVAL PRIOR TO INSTALLATION.

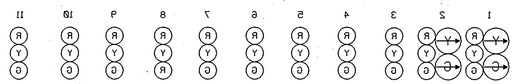
QUANTITY	UNITS	DESCRIPTION
1	LS	MAINTENANCE OF TRAFFIC
25	LF	24 IN. WHITE HAPPTPM-STOP LINE
1290	LF	LOOP WIRE ENCASED IN 1/2 IN. FLEXIBLE TUBING (NO. 14 AWG)
360	LF	SAW CUT FOR LOOP DETECTOR
5	SF	VAR. X 16 IN. D-3(1) DUAL FACE
8	SF	30 IN. X 36 IN. R3-5 LEFT TURN ONLY SIGN
9	EA	12 IN. VEHICULAR SIGNAL HEAD LED SECTION, BLACK FACED
1	EA	ELECTRICAL HANDHOLE
56	LF	2 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED
5	LF	1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
80	LF	STEEL SPAN WIRE - 1/4 IN. DIAMETER (INCLUDING 3" MESSENGER RINGS)
30	LF	5 IN. WIDE HAPPTPM - DOUBLE YELLOW FOR LANE LINE
30	LF	5 IN. WIDE HAPPTPM - WHITE FOR LANE LINE

WIRING DIAGRAM

NOT TO SCALE



PHASING CHART



Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R
4 and 8 Change	R	R	R	R	R	R	Y	Y	Y	Y	Y
Phase 4 and 8	R	R	R	R	R	G	G	G	G	G	G
2 and 6 Change	Y	Y	Y	Y	Y	R	R	R	R	R	R
Phase 2 and 6	G	G	G	G	G	R	R	R	R	R	R
1 and 6 Change	G	G	G	G	G	R	R	R	R	R	R
Phase 1 and 6	G	G	G	G	G	R	R	R	R	R	R

WIRING KEY

A,B} PROPOSED 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

D} PROPOSED 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

G,D} PROPOSED 2-CONDUCTOR (ALUMINIUM SHIELDED) (NO. 14 AWG)

X} PROPOSED BARE COPPER GROUND WIRE (NO. 6 AWG)

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TS265D

US 40 (PULASKI HIGHWAY) AND MD 7 (DELAWARE AVENUE)

TRAFFIC SIGNAL DESIGN

SCALE 1" = 20' DATE 10/2/06 CONTRACT NO. _____

DESIGNED BY GDG COUNTY CECIL
DRAWN BY MDB LOGMILE 0.7000/700.00
CHECKED BY KWE T.I.M.S. NO. H074
F.A.P. NO. N/A TOD NO. _____

DRAWING NO. TS265D OF SHEET NO. 2 OF 2

BY: MICHAEL BANNER