PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the modification to the existing traffic control signal at the intersection of MD 45 (York Rd.) and MD 145 (Ashland Rd.)/ Hampton Inn Entr. in Baltimore County, Maryland. MD 45 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection currently operates in NEMA five (5) phase, full-traffic-actuated mode. There is an exclusive/permissive left turn phase for the southbound movement of MD 45 along with a concurrent right turn overlap for the west to northbound MD 145 movement. The MD 45 through movements operate concurrently. The MD 145 (Ashland Rd.)/Hampton Inn Entr. through movements operate concurrently.

The existing cabinet/controller and phasing will be utilized.

EQUIPMENT LIST

A. Approved S.H.A. equipment to be purchased by the Developer and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
2	EA	813	30 in. x 36 in. R 3-5(R) sign with mast arm mounting hardware.
1	EA	813	30 in. x 36 in. R 3-6(L) sign with mast arm mounting hardware.

B. Equipment to be furnished and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
4	EA	811	Handhole.
610	LF	815	Sawcut for signal loop detector.
2200	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
1155	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
35	LF	810	5-conductor electrical cable (No. 14 A.W.G.).
30	LF	810	1 in. liquid tight flexible non-metalic conduit for loop detector sleeve.
315	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
50	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - pushed.
90	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
100	LF	550	24 in. wide HAPPTPM - white for stop line.
2	EA	---	Relocate existing signal head.
Lump Sum	LS	---	Remove existing signal equipment.
Lump Sum	LS	---	As-built for S.H.A [on CADD].

CONTACT LIST

The contact persons for District #4 are as follows:

Mr. Dave Malkowski
District Engineer
410-321-2810

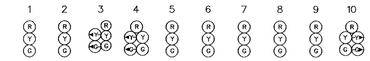
Mr. Randall Scott
Assistant District Engineer - Traffic
410-321-2781

Mr. Graydon Tobery
Assistant District Engineer - Utility
410-321-3460

Mr. Dave Ramsey
Assistant District Engineer - Maintenance
410-321-2761

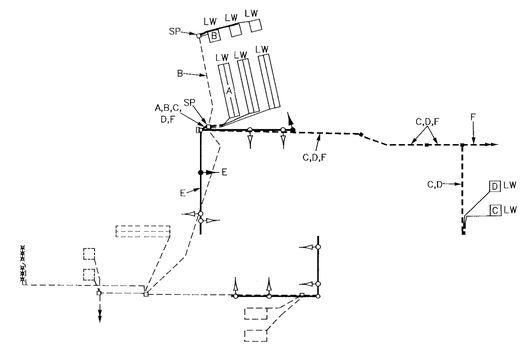
Mr. Richard L. Daff
Chief, Traffic Operations Division
410-787-7630

Phase Chart



Phase 1 & 6	G	G	G ←G—	G ←G—	R	R	R	R	R	R —G→	
1 Change	G	G	G ←Y—	G ←Y—	R	R	R	R	R	R —Y→	
Phase 2 & 6	G	G	G	G	G	R	R	R	R	R	←
2 & 6 Change	Y	Y	Y	Y	Y	R	R	R	R	R	→
Phase 4 & 8	R	R	R	R	R	G	G	G	G	G	↓ ↑
4 & 8 Change	R	R	R	R	R	Y	Y	Y	Y	Y	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	

Wiring Diagram



A, B, C, D — 2-Conductor Cable (Aluminum Shielded)

E — 5-Conductor Electrical Cable (No. 14 A.W.G.)

F — Existing Interconnect Cable (Ashland Rd. - Wight Ave.)

LW — Loop Detector Wire (No. 14 A.W.G.) in Flexible Tubing

SP — Splice existing aluminum shielded cable to new loop wire.

The Traffic Group

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MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(General Information)

MD 45 (York Rd.) at MD 145 (Ashland Rd.)/ Hampton Inn Entrance

DATE: November 19, 1998 — LOG MILE • 03004508.85

DRAWN BY: J.E.S.	F.A.P. NO.	N/A	PLAN SHEET NO.:	SHEET NO.
CHK. BY:	S.H.A. NO.	BW996M82	2686E-GI	2 of 4
SCALE: N/A	COUNTY:	Baltimore		

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