PROJECT DESCRIPTION

This project involves the modification of the existing traffic control signal at the intersection of US 40 (Philadelphia Blvd.) at Wal-Mart entrance in Harford County. The modification involves changing the existing exclusive/permissive left turn phase on US 40 east and westbound to an exclusive left turn phase.
It also involves the installation of a loop detector on Edmund Street and a queue detector on US 40 Westbound.

INTERSECTION OPERATION

The intersection currently operates in a NEMA six phase, full traffic actuated mode with the US 40 through movements operarating concurrently and the side street at Wal-Mart entrance through movements operating concurrently.

EQUIPMENT TO BE FURNISHED BY SHA

9089	67	SF	SHIELD ASSEMBLY SIGNS, POLE MOUNTED US 40 (48"X75") - 2 EA US 40 (24"X51") - 2 EA
	30	SF	R10-5 SIGNS, SPAN WIRE 24"X18"- 2 EA
9000	1	EA	RETROFIT DETECTOR RACK
9002	3	EA	4 CHANNEL AMPLIFIER
9004	1	EA	POWER SUPPLY

EQUIPMENT TO BE FURNISHED AND/OR TO BE INSTALLED BY THE CONTRACTOR

1001	1	EA	MAINTENANCE OF TRAFFIC
5004	50	LF	FURNISH AND INSTALL 24 INCH HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5006	2	EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
8023	15	LF	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
8021	746	LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8040	786	LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8026	50	LF	FURNISH AND INSTALL 2" PVC CONDUIT - BORED
8024	580	LF	FURNISH AND INSTALL 2" PVC CONDUIT - TRENCHED
8041	1050	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) - ALUMINUM SHIELD
8044	210	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8053	97.0	SF	INSTALL OVERHEAD SIGN
8060	1	EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8033	4	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8084	36	EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION - BLACK FACE

CONTACT LIST

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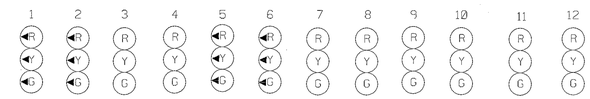
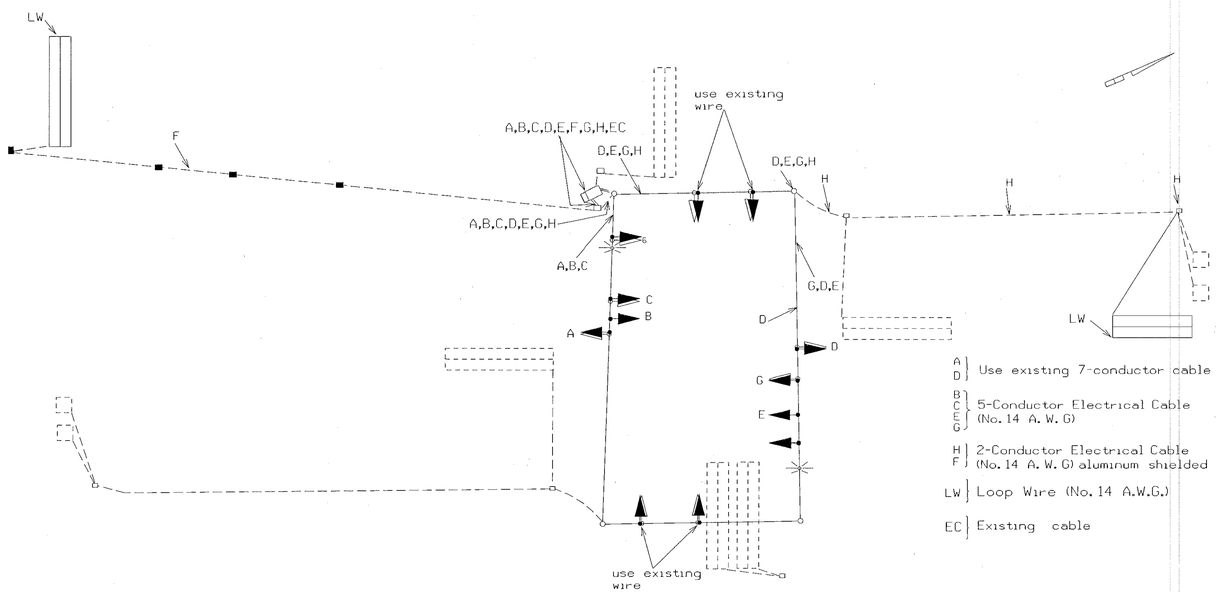
PHASE CHART



Phase 1 & 5	◄G	◄G	R	R	◄G	◄G	R	R	R	R	R	R	
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6												
Phase 1 & 6	◄G	◄G	G	G	◄R	◄R	R	R	R	R	R	R	
1 & 6 Change	◄Y	◄Y	G	G	◄R	◄R	R	R	R	R	R	R	
Phase 2 & 5	◄R	◄R	R	R	◄G	◄G	G	G	R	R	R	R	
2 & 5 Change	◄R	◄R	R	R	◄Y	◄Y	G	G	R	R	R	R	
Phase 2 & 6	◄R	◄R	G	G	◄R	◄R	G	G	R	R	R	R	
2 & 6 Change	◄R	◄R	Y	Y	◄R	◄R	Y	Y	R	R	R	R	
Phase 4 & 8	◄R	◄R	R	R	◄R	◄R	R	R	G	G	G	G	
4 & 8 Change	◄R	◄R	R	R	◄R	◄R	R	R	Y	Y	Y	Y	
Flashing Operation	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	



REVISIONS	APPROVALS
A CHANGE EXISTING E/P LT PHASE ON US 40 EB AND WB TO AN EXCLUSIVE LEFT TURN PHASE. INSTALL LOOP DETECTORS FOR US 40 WB AND FOR EDMUND ST. SHA NO. XX1005465	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
BD	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
US 40 and the
ENTRANCE TO WAL-MART

DRAWN BY: M.A.M (TRAFFIC GROUP)	F.A.P. NO.	TS NO. 3239	SHEET NO.
CHECKED BY: M.A.M (TRAFFIC GROUP)	S.H.A. NO. HA1556A/1554		
SCALE:	COUNTY: HARFORD	T.I.M.S. NO. E-087	02 OF 02
DATE: 2/18/92	LOG MILE:		