DRILL HOLES

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of MD 152 and MD 147 in Harford County, Maryland. MD 152 is considered to run in an north/south direction.

Intersection modification of geometric on the southbound side of MD 152 and westbound side of MD 147.

II. INTERSECTION OPERATION

The intersection operates in a NEMA six (6) phase, full-traffic-actuated mode. There is an exclusive/permissive left turn phase for both the north and southbound movements of MD 152. The MD 152 through movements operate concurrently. The MD 147 through movements operate concurrently.

The existing cabinet/controller are to be utilized.

EQUIPMENT LIST

A. S.H.A. furnished equipment material.

None.

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.
360	LF	815	Sawcut for signal loop detector.
1300	LF	810	Loop detector wire (No. 14 A.W.G.) encased inflexible tubing.
4	EA	---	Non-invasive probe (set of 3) with 1000 ft. lead-in cable.
6	EA	811	Handhole.
970	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
150	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
270	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
70	LF	549	24 in. wide HAPPTPM - white for stop line.
Lump Sum	LS	---	As-built for S.H.A. (on CADD).

CONTACT LIST

The contact persons for District #4 are as follows:

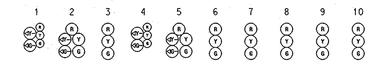
Mr. Randall Scott
Assistant District Engineer - Traffic
410-321-2781

Mr. Micheal pasquariello
Assistant District Engineer - Utility
410-321-3460

Mr. Steve Markiszewski
Assistant District Engineer - Maintenance
410-321-2761

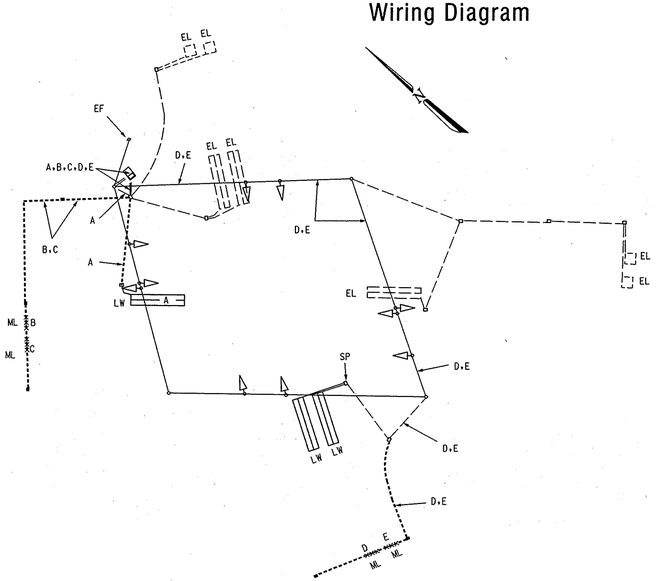
Mr. Richard L. Daff
Chief, Traffic Operations Division
410-787-7630

Phase Chart



Phase 1 & 5	R ◄G—	R ◄G—	R	R ◄G—	R ◄G—	R	R	R	R	R	
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6											
Phase 1 & 6	R	R	R	G ◄G—	G ◄G—	G	R	R	R	R	
1 Change	R	R	R	G ◄Y—	G ◄Y—	G	R	R	R	R	
Phase 2 & 5	G ◄G—	G ◄G—	G	R	R	R	R	R	R	R	
5 Change	G ◄Y—	G ◄Y—	G	R	R	R	R	R	R	R	
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	
2 & 6 Change	Y	Y	Y	Y	Y	Y	R	R	R	R	
Phase 4 & 8	R	R	R	R	R	R	G	G	G	G	
4 & 8 Change	R	R	R	R	R	R	Y	Y	Y	Y	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	

Wiring Diagram



A — 2-Conductor Cable (Aluminum Shielded)

B, C, D, E — Non-Invasive Micro-loop Detector Lead-in Cable

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

SP — Splice Existing Aluminum Shielded Cable To New Loop Wire

EF — Existing Overhead Electrical Service

EL — Existing Loop Detector Wire

ML — Micro-loop Detector (Non-Invasive)

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NOTES

These plans are approved for construction for a period of one (1) year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a re-review from the Traffic Engineering design Division.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

Fallston Commons
MD 152 (Mountain Road) at MD 147 (Harford Road)

GENERAL INFORMATION PLAN

SCALE N/A DATE 2/19/07 CONTRACT NO. BW996M82

DESIGNED BY Frank Hoeckel
DRAWN BY Frank Hoeckel
CHECKED BY
F.A.P. NO. N/A

COUNTY Harford
LOG MILE 12014701.87
T.I.M.S. NO. H-204
TOD NO.

DRAWING NO. TS GI-966-C

SHEET NO. 2 OF 2

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