PROJECT DESCRIPTION

I. GENERAL

This phase of the project involves the modification of a the traffic control signal at the intersection of MD 2 (Solomons Island Road) and Forest Drive in Anne Arundel County, Maryland.
MD 2 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection phasing is to remain unchanged during this phase of construction.

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.
1	EA	818	12 in. x 32 in. 2 ply steel strain pole
2	EA	814	12 in., one-way, three section (RA,YA,GA) adjustable black faced traffic signal head with span wire mounting hardware and tunnel visors. (not L.E.D.)
3	EA	814	12 in., one-way, three section (R,Y,G) adjustable black faced traffic signal head with span wire mounting hardware and tunnel visors. (not L.E.D.)
1	EA	814	12 in., one-way, four section (R,Y,G,GA) adjustable black faced traffic signal head with span wire mounting hardware and tunnel visors. (not L.E.D.)
2	EA	---	Temporary back-guy.
1	CY	205	Test pit excavation.
2	EA	---	Non-invasive probe (set of 3) with 500 ft. lead-in cable.
5	EA	811	Handhole.
430	LF	815	Sawcut for signal loop detector.
1405	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
1355	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
330	LF	810	2-conductor electrical tray cable (No. 12 A.W.G.).
1060	LF	810	5-conductor electrical cable (No. 14 A.W.G.).
10	LF	804	Bare copper stranded ground wire (No. 6 A.W.G.).
250	LF	819	1/4 in. steel tether wire.
250	LF	819	3/8 in. steel span wire.
8	LF	805	1 in. liquid tight flexible non-metallic conduit for loop detector sleeve.
55	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
230	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
55	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
3	CY	801	Concrete foundation for traffic signal equipment.
1	EA	810	Ground rod - 3/4 in. diameter x 10 ft. length.
4	EA	804	Loop detector splice.
Lump Sum	LS	---	Remove and dispose of existing traffic signal equipment.
Lump Sum	LS	---	Relocate existing signal equipment.
Lump Sum	LS	---	As-built for S.H.A. [on CADD].

CONTACT LIST

The contact persons for District #5 are as follows:

Ms. Kim Tran
Assistant District Engineer - Traffic
410-841-1019

Mr. John Mays
Assistant District Engineer - Utility
410-841-1039

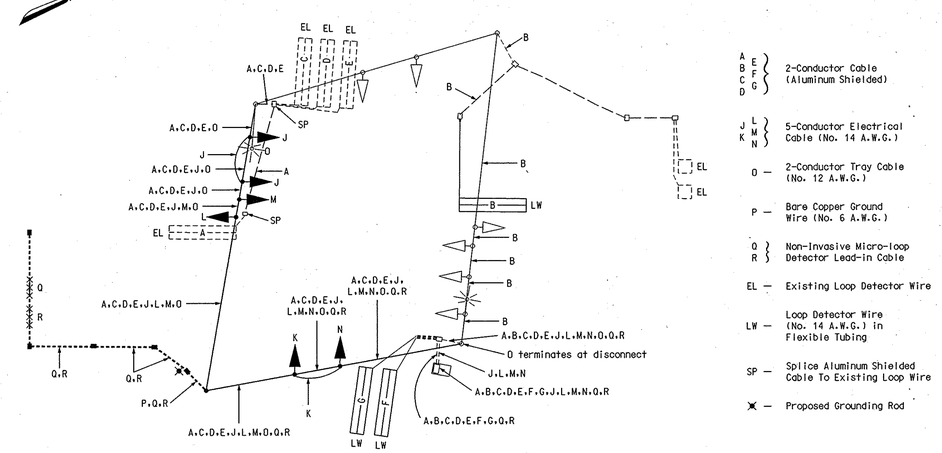
Mr. Chuck E. George
Assistant District Engineer - Maintenance
410-841-1013

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

Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12
Phase 1 & 5	G	G	R	R	G	G	R	R	R	R	R	R
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6												
Phase 1 & 6	G	G	G	G	R	R	R	R	R	R	R	R
1 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
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 3	R	R	R	R G	R	R	R	R	G G	G	R	R
3 Change	R	R	R	R Y	R	R	R	R	Y	Y	R	R
Phase 4	R	R	R	R	R	R	R	R	R	R	G G	G
4 Change	R	R	R	R	R	R	R	R	R	R	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

Wiring Diagram



Roadway MOT Phase II
Temporary Signal - Phase 1

Revision "E"

The Traffic Group

The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

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

MD 2 (Solomons Island Rd.) at Forest Drive

DRAWN BY:	F. Brownley	F.A.P. NO.	N/A	TS NO. 71E-GI	SHEET NO.
CHECKED BY:	[illegible]	S.H.A. NO.	BW996M32		
SCALE:	N/A	COUNTY:	Anne Arundel	T.I.M.S. NO. H573	2 OF 7
DATE:	July 10, 2006	LOG MILE:	02000220.19		

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