PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the traffic control signal at the intersection of US 301 (Crain Highway) and Rosaryville Road/Old Indian Head Road in Prince George's County, Maryland. US 301 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

Existing exclusive lead-lag left turn phase for the north and southbound movement of US 301 (Crain Highway) will remain unchanged. The existing Rosaryville Road/ Old Indian Head Road permissive phasing will be changed to operate in a side street split phase mode.

Existing cabinet/controller to be utilized.

CONTACT LIST

The contact persons for District #3 are as follows:

Mr. Majib Shakib
Assistant District Engineer - Traffic
301-513-7358

Mr. Augie Rebish
Assistant District Engineer - Utility
301-513-7350

Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
301-513-7304

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

EQUIPMENT LIST

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

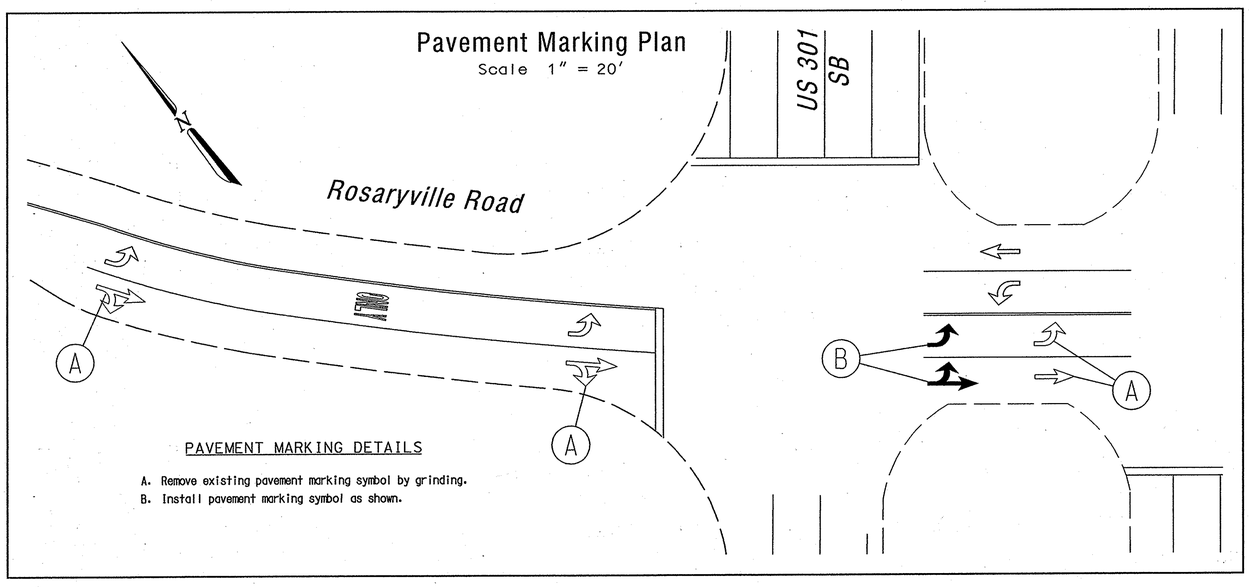
None.

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.
2	EA	818	12 in., one-way, four section (R,Y,G,GA) optically programmable adjustable black faced traffic signal head with mast arm mounting hardware and tunnel visors (McCain Type).
2	EA	818	12 in., one-way, three section (R,Y,G) optically programmable adjustable black faced traffic signal head with mast arm mounting hardware and tunnel visors (McCain Type).
1	EA	813	30 in. x 36 in. R 3-6(L) sign with mast arm mounting hardware.
1	EA	849	HAPPTPM symbol - white 'Left Arrow'.
1	EA	849	HAPPTPM symbol - white 'Left-Thru Arrow'.
2	EA	---	Remove existing pavement marking symbol by grinding.
Lump Sum	LS	---	Remove and dispose of existing signal equipment.
Lump Sum	LS	---	As-built for S.H.A. [on CADD].

Pavement Marking Plan

Scale 1" = 20'



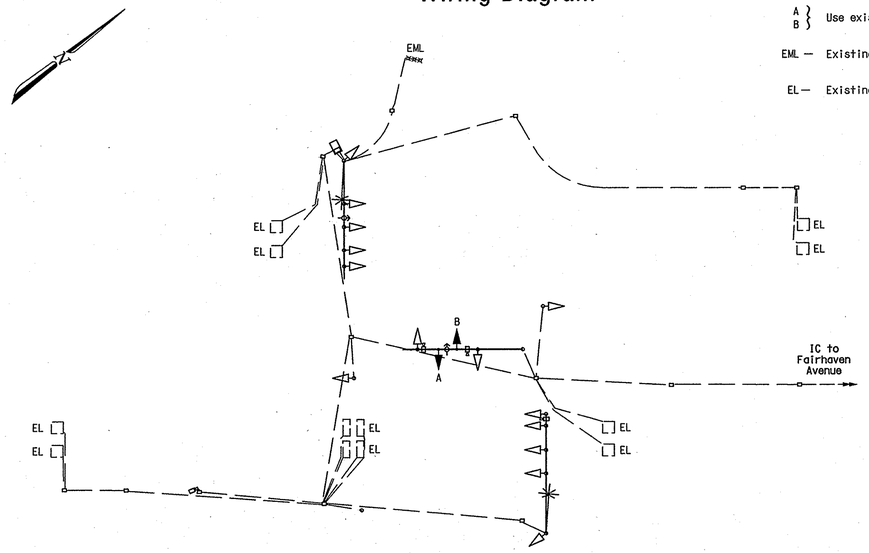
PAVEMENT MARKING DETAILS

A. Remove existing pavement marking symbol by grinding.
B. Install pavement marking symbol as shown.

Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Phase 1 & 6	G	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	
1 Change	Y	Y	G	G	G	R	R	R	R	R	R	R	R	R	R	R	
Phase 2 & 5	R	R	R	R	R	G	G	G	G	G	R	R	R	R	R	R	
2 & 5 Change	R	R	R	R	R	Y	Y	G	G	G	R	R	R	R	R	R	
Phase 2 & 6	R	R	G	G	G	R	R	G	G	G	R	R	R	R	R	R	
2 & 6 Change	R	R	Y	Y	Y	R	R	Y	Y	Y	R	R	R	R	R	R	
Phase 3	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G G	G	
3 Change	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	
Phase 4	R	R	R	R	R	R	R	R	R	R	G	G G	G	R	R	R	
4 Change	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	R	R	R	
Pre-Empt 1 OLA (Phase 2 & 5)	R	R	R	R	R	G	G	R	R	R	R	R	R	R	R	R	
Pre-Empt 1 OLA (Phase 5) Change	R	R	R	R	R	Y	Y	R	R	R	R	R	R	R	R	R	
Pre-Empt 1 OLA (Phase 4)	R	R	R	R	R	R	R	R	R	R	G	G G	G	R	R	R	
Pre-Empt 1 OLA (Phase 4) Change	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	R	R	R	
Flashing Operation	FL/ R	FL/ R	FL/Y	FL/Y	FL/Y	FL/ R	FL/ R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	

Wiring Diagram



A, B } Use existing 7-Conductor cable

EML — Existing Micro-loop Detector

EL — Existing Loop Detector

Revision "D"

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)
US 301 (Crain Hwy) at Rosaryville Rd/Old Indian Head Rd

DRAWN BY:	F. Brownley	F.A.P. NO.	N/A	TS NO. 1763-D	SHEET NO.
CHECKED BY:		S.H.A. NO.	BW996M82		
SCALE:	N/A	COUNTY:	Prince George's	T.I.M.S. NO. 1114	2 OF 2
DATE:	June 30, 2006	LOG MILE:	16030108.13		

gh-plan cltb.dgn Wednesday, July