PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of US 40 and Coudon Blvd. in Cecil County, Maryland. US 40 is considered to run in an east/west

II. INTERSECTION OPERATION

The intersection is to be modified operate in a NEMA six (6) phase, full-traffic-actuated mode. There will bean exclusive lead/lag left turn phase for the east and westbound movements of US 40. The US 40 through movements will operate concurrently. The Coudon Blvd. through movements will operate concurrently. Driveway for service Entrance will operate separately.

The existing cabinet/controller will be utilized at this location.

CONTACT LIST

The contact persons for District •2 are as follows: Mr. Robert Kiel Assistant District Engineer - Traffic 410-810-3240

Mr. Barry Clothier Assistant District Engineer - Utility

410-778-3061

Mr. Terry O. Wright
Assistant District Engineer - Maintenance 410-778-3061

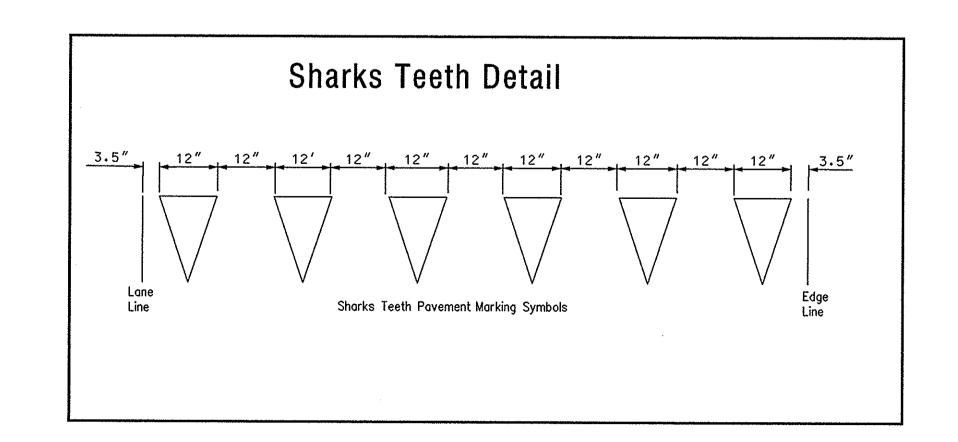
Mr. Richard L. Daff Chief, Traffic Operations Division 410-787-7630

EQUIPMENT LIST

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

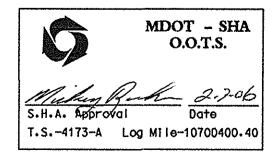
B. Equipment to be furnished and/or installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description	Quantity	Units	Specification Section	Description
1	EA	818	50 ft. mast arm.	Lump Sum	LS	108	Mobilization.
2	EA	814	12 in., one-way, three section (RA,YA,GA) (LED) adjustable black faced traffic signal head with mast arm mounting hardware and tunnel visors.	Lump Sum	LS	104	Maintenance of traffic.
				1	CY	205	Test pit.
2	EA	814	12 in., one-way three section (RA,YA,GA) (LED) adjustable black faced traffic signal head with pole mounting hardware and	1020	LF	810	5-conductor electrical cable (No. 14 A.W.G.).
			tunnel visors	170	LF	810	7-conductor electrical cable (No. 14 A.W.G.).
4	EA	814	12 in., one-way, three section (R,Y,G) (LED) (Optically programmed) adjustable traffic signal head with mast arm mounting hardware and tunnel visors.	185	EA	549	24 in. wide white Thermoplastic pavement marking - white for stop line.
				775	LF		5 in. wide yellow Thermoplastic pavements marking - center line
4	EA	814	12 in., one-way, three section (R,Y,G) (LED) adjustable black faced traffic signal head with mast arm mounting hardware and tunnel visors.	225	EA		10 in. wide white Thermoplastic pavement marking - lane line.
				1	LF		Wrong way pavement marking symbol
4	EA		Video camera detection equipment and cables [one - 325 ft, three - 225 ft.]	360	LF		Removal of existing pavement markings by grinding.
1	EA	813	72 in. x 24 in. M 95-1 sign with mast arm mounting hardware.	30	EA	812	4 in. x 4 in. wood sign supports.
1	EΑ	813	30 in. x 30 in. R 5-1 sign for ground mounting.	1	LF		Relocate existing traffic signal.
1	EA	813	36 in. x 12 in. R 6-1L sign for ground mounting.	2	EA		Remove/Replace existing traffic signal heads.
1	EA	813	36 in. x 12 in. R 6-1R sign for ground mounting.	Lump Sum	LS		Removal of existing traffic signal equipment.
1	EA	813	36 in. x 36 in. x 36. R 1-2 sign for ground mounting.	Lump Sum	LS		Rake existing mast arm pole.
1	EA	813	24 in. x 24 in. R 10-11(b) sign with mast arm mounting hardware.	6	EA		Sharks Teeth pavement marking Symbol.
				Lump Sum	LS		As-built for S.H.A. [on CADD].



Phase Chart 1 2 3 4 5 6 7 8 9 10 11 12 13 14 G G G R R R R R R R R Phase 1 & 5 1 Change -Y- -Y- G G -R- -R-R - R - G G R - R - RPhase 2 & 5 5 Change -R- -R- Y Y -R- -R- G G R Phase 2 & 6 2 & 6 Change R R R R R Phase 7 7 Change Phase 4 & 8 4 & 8 Change Flashing Operation Wiring Diagram Video Detector Cable G 5-Conductor Electrical H \ Cable (No. 14 A.W.G.) K — 7-Conductor Electrical Cable (No. 14 A.W.G.) *- Use Existing Cable ML — Existing Micro-loop Detector (Non-Invasive)

1 REDLINE REVISION: January 30, 2006





MARY	LAND DOT - STATE HIGHWAY A Office of Traffic & Safety	DMINISTRATION
TRAFFIC	ENGINEERING DESIGN	DIVISION
110 40	(General Information Plan)	,,

A.B.C.D.F.G.H.J.K

US 40 at Coudon Road (Formerly Ikea Connector Road)

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AWN BY: Frank Hoeckel	F.A.P. NO.	N/A	TS NO.					
CKED BY: John Dirndorfer	S.H.A. NO.	BW996M82	4173-Gl	SHEET NO.				
ALE: N/A	_ COUNTY:	Cecil	T.I.M.S. NO.	OFFECT 140.				
E: November 18, 20	05 LOG MILE:	07004001.40	H-046	2 OF 2				
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