Project Description

This project involves the installation of a new Traffic Control Signal for vehicles turning right from SB MD 246 onto NB MD 5 and minor geometric modifications in St. Mary's County.

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS

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DISTRICT ENGINEER
410-841-1001

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ASSISTANT DISTRICT ENGINEER - TRAFFIC
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ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

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CHIEF, TRAFFIC OPERATIONS
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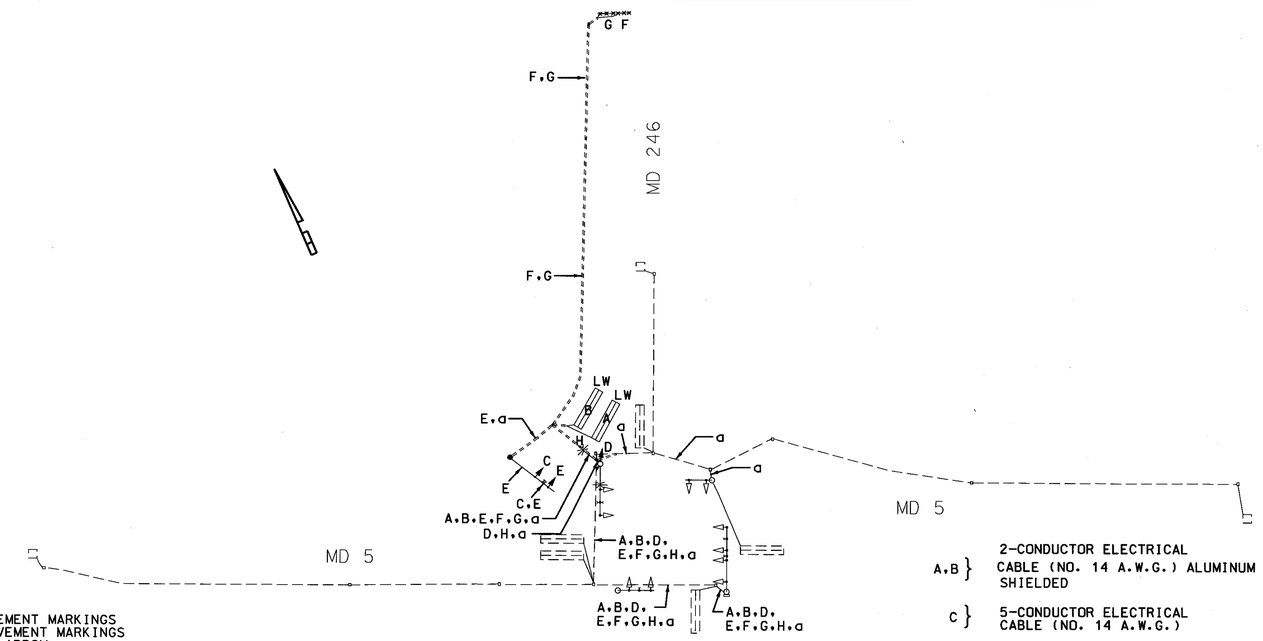
Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13
	R Y G	R Y G	3R 3Y 3G	3R 3Y 3G	R Y G	R Y G	R Y G 4G	R Y G	R Y G	R Y G	RC YC GC	RC YC GC	RC YC GC
Phase 1 & 6	R	R	G	G	G	G	R	R	R	R	G	G	G
1 Change	R	R	Y	Y	G	G	R	R	R	R	Y	Y	Y
Phase 2	G	G	R	R	G	G	R	R	R	R	R	R	R
2 & 6 Change	Y	Y	R	R	Y	Y	R	R	R	R	R	R	R
Phase 3	R	R	R	R	R	R	G	G	R	R	R	R	R
3 Change	R	R	R	R	R	R	Y	Y	R	R	R	R	R
Phase 4	R	R	R	R	R	R	R	R	G	G	G	G	G
4 Change	R	R	R	R	R	R	R	R	Y	Y	G	G	G
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R



A,B } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED

C } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

D-E } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

F,G } MICROLOOP PROBE CABLE

H 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TYPE TC

a BARE COPPER WIRE (NO. 6 A.W.G.)

LW LOOP WIRE (NO. 14 A.W.G.)

Equipment List

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY		DESCRIPTION		
9089	20	SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER (SF)		
			R4-7 "KEEP RIGHT" SYMBOL 24"X30"	GROUND MNT.	1 EA.
			OM1-1 "OBJECT MARKER" 18"x18"	GROUND MNT.	1 EA.
9090	6	SF	FLAT SHEET ALUM. SIGN BLUE OR GREEN		
			D3-2 "Point Lookout Road" 72" X 12"	MAST ARM MNT.	1 EA.
			R3-4 "NO U-TURN 36"X30"	GROUND MNT.	1 EA
			R10-11B "NO TURN ON RED 30"x30"	GROUND MNT.	1 EA

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2001	1	CY	TEST PIT EXCAVATION
2004	23	CY	CLASS 2 EXCAVATION
5002	95	LF	FURNISH AND INSTALL 5 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	50	LF	FURNISH AND INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5006	3	EA	FURNISH AND INSTALL HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
5007	1460	LF	REMOVE EXISTING PAVEMENT MARKING - ANY WIDTH
NEG.	1000	LF	FURNISH AND INSTALL 10 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
NEG.	55	SY	FURNISH AND INSTALL 6 INCH BASE COURSE USING GRADED AGGREGATE
NEG.	6	TON	FURNISH AND INSTALL HOT MIX ASPHALT SURFACE SC
NEG.	19	TON	FURNISH AND INSTALL HOT MIX ASPHALT BASE BF
6002	82	LF	FURNISH AND INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
8001	3	CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8017	2	EA	FURNISH AND INSTALL MICROLOOP PROBE SET WITH 1000 FOOT LEAD-IN
8021	250	LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8022	12	LF	LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR LOOP DETECTOR LEAD-IN
8024	343	LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8029	39	LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8033	4	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	5	EA	FURNISH AND INSTALL GROUND ROD 3/4 INCH DIAMETER X 10 FOOT LENGTH
8040	605	LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8041	850	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8044	20	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8045	650	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8046	265	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TYPE TC
8048	60	LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8050	23	LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4"X4"
8052	20	SF	INSTALL GROUND MOUNTED SIGN
8053	6	SF	INSTALL OVERHEAD SIGN
8055	1	EA	FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTO CELL
8056	1	EA	FURNISH AND INSTALL 15 FOOT LIGHTING BRACKET ARM FOR TRAFFIC SIGNAL STRUCTURE
8076	1	EA	FURNISH AND INSTALL MAST ARM POLE AND 38 FOOT MAST ARM
8084	9	EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
NEG.	10	SF	REMOVE SIGN AND SUPPORT.
NEG.	595	LF	REMOVE AND REINSTALL CABLES
NEG.	1	EA.	FURNISH AND INSTALL THREADED TERMINAL ADAPTER

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION
MD 5 AT MD 246
GREAT MILLS, MARYLAND

DRAWN BY: S.P.P.	F.A.P. NO. AC-STPG-000S(683)E	TS NO. 2071-(1)	SHEET NO.
CHECKED BY: T.H.	S.H.A. NO. SMA246-59.11.87		
SCALE: Not to Scale	COUNTY: ST MARY'S	T.I.M.S. NO.	
DATE: 8/00	LOG MILE: 1800051.20		02 OF 02

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