PROJECT DESCRIPTION

THIS PROJECT INVOLVES CHANGING THE MD 450 E/P LEFT TURN PHASES TO EXCLUSIVE LEFT TURN PHASES AND REPLACING ALL SIGNAL HEADS WITH BLACK FACED HEADS ALONG WITH INSTALLING NEAR SIDE HEADS.

PROJECT CONTACTS DISTRICT 3

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ASST. DIST. ENGR. MAINTENANCE
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UTILITIES ENGR.
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MR. JOHN O. WARNICK
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CONTACTS FOR THE OFFICE OF TRAFFIC

MR. RICHARD DAFF
CHIEF TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAMLEADER SIGNAL OPERATION
410-787-7650

MR. EUGENE BAILEY
TEAMLEADER SIGN OPERATIONS
410-787-7676

MR. DAVE SCHWARTZ
SUPPLY OFFICER SIGNAL WAREHOUSE
410-787-7666

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

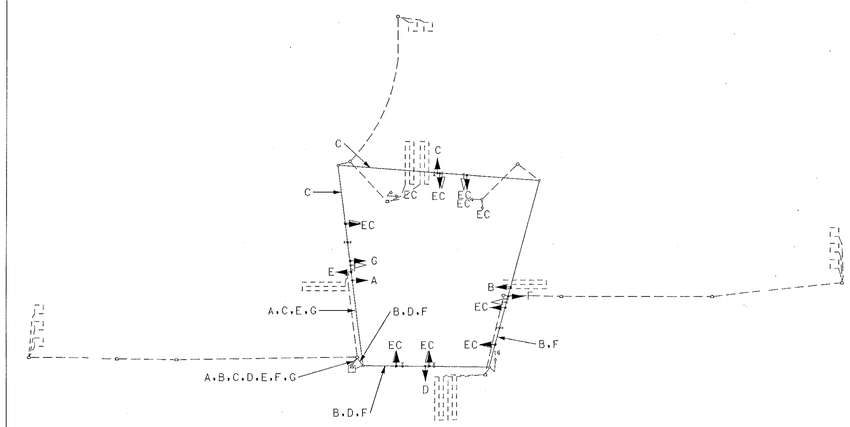
ITEM NO.	QUANTITY	DESCRIPTION
9089	57 SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER (SF)
		1 EA 30"X51" SHIELD ASSEMBLY SIGN (EAST, MD 450, ARROW RIGHT)
		1 EA (M 3-2 WEST 30"x15"), (M 1-6 MD 450 36"x30"), (M 6-1 ARROW LEFT30"x24")
		1 EA (M 3-2 WEST 24"x12"), (M 1-6 MD 450 30"x24"), (M 6-2 ARROW RIGHT 21"x15")
		1 EA 48"X75" SHIELD ASSEMBLY SIGN (EAST, MD 450, ARROW LEFT)

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5003	205 LF	12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	100 LF	24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
8008	1 EA	FURNISH AND INSTALL 3 INCH WEATHERHEAD
8027	10 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8044	750 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8045	340 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8050	16 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8052	21.5 SF	INSTALL GROUND MOUNTED SIGN
8053	36 SF	INSTALL OVERHEAD SIGN
8060	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8061	1 EA	INSTALL CONDUIT BEND IN EXISTING BASE
8084	40 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION BLACK FACED (POLYCARBONATE)
8085	6 EA	FURNISH AND INSTALL 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION BLACK FACED (POLYCARBONATE)

	1,2	3,4	5,6	7,8	9	10	11	12	13	14	15,16	17,18	
	<R- <Y- <G-	R Y G	<R- <Y- <G-	R Y G	R Y G <G-	R Y G <G-	R Y G	R Y G <G-	R Y G <G-	R Y G			
Phase 1 & 5	<G-	R	<G-	R	R	R	R	R	R	R	DW	DW	
1 & 5 Change				R	R	R	R	R	R	R	DW	DW	
Phase 1 & 6	<R-		<G-	G	R	R	R	R	R	R	DW	DW	
1 Change	<R-	R	<Y-	G	R	R	R	R	R	R	DW	DW	
Phase 2 & 5	<G-	G	<R-	R	R	R	R	R	R	R	DW	DW	
5 Change	<Y-	G	<R-	R	R	R	R	R	R	R	DW	DW	
Phase 2 & 6	<R-	G	<R-	G	R	R	R	R	R	R	WK	DW	
2 & 6 Ped Clear	<R-	G	<R-	G	R	R	R	R	R	R	FL/DW	DW	
2 & 6 Change	<R-	Y	<R-	Y	R	R	R	R	R	R	DW	DW	
Phase 3	<R-	R	<R-	R	G <G-	G <G-	G	G <G-	R	R	DW	DW	
3 Change	<R-	R	<R-	R	Y	Y	Y	Y	R	R	DW	DW	
3 Alt.	<R-	R	<R-	R	G <G-	G <G-	G	G <G-	R	R	DW	WK	
Ped. Clear	<R-	R	<R-	R	G <G-	G <G-	G	G <G-	R	R	DW	FL/DW	
3 Alt. Change	<R-	R	<R-	R	Y	Y	Y	Y	R	R	DW	DW	
Phase 4	<R-	R	<R-	R	R	R	R	R	G <G-	G	DW	DW	
4 Change	<R-	R	<R-	R	R	R	R	R	Y	Y	DW	DW	
Flashing Operation	FL/R	FL/Y	FL/R	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

WIRING DIAGRAM



A,B	5-CONDUCTOR NO. 14 AWG
C,D	
E,F	7-CONDUCTOR NO. 14 AWG
G	
EC	EXISTING CABLE

REVISIONS	APPROVALS
(D) CHANGE E/P LEFT TURNS TO EXCLUSIVE LEFTS. REPLACE SIGNAL HEADS WITH BLACK FACED HEADS	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
(C) REPLACE FAILED LOOP DETECTORS SHA NO. 855-2503050 7/91	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
(B) SPLIT SIDE RD PHASING SHA NO. 855-16004	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(A) AS BUILT 6-14-83	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 450 at RIVERDALE RD.

DRAWN BY: J HENKEL	F.A.P. NO.		TS NO. TS-122B-GI	SHEET NO.	
CHECKED BY:	S.H.A. NO.	XXI005385			
SCALE: NOT TO SCALE	COUNTY:	PRINCE GEORGES	T.L.M.S. NO. D475	02 OF 02	
DATE: 12/1999	LOG MILE:	I6045004.22			