PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN PEDESTRIAN PUSHBUTTON, AND SIGNS IN THE MEDIAN ON THE EASTSIDE OF US 40, AND ON THE SOUTH SIDE OF NORMANDY WOODS ROAD.

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	2 EACH	PUSH BUTTON AND R10-3C SIGN, "PUSHBUTTON TO CROSS BALTIMORE NATIONAL PIKE", POLE MOUNTED HARDWARE
	7.5 S.F.	1 EACH R3-5R SIGN, 30" x 36", SPAN MOUNTED HARDWARE

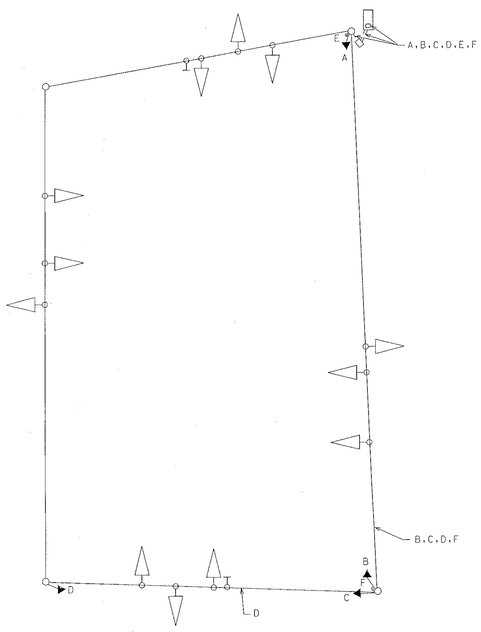
B. EQUIPMENT TO BE SUPPLIED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
6004	90 S.F.	F & I 4" CONCRETE SIDEWALK
8005	8 EACH	F & I 12" PEDESTRIAN SIGNAL HEAD SECTION
8042	740 L.F.	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8047	2 EACH	INSTALL PUSHBUTTON AND SIGN
NEG.	305 L.F.	F & I ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
NEG.	7.5 S.F.	INSTALL OVERHEAD SIGN
NEG.	540 L.F.	F & I 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
NEG.	235 L.F.	F & I 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
NEG.	60 L.F.	F & I 5" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
NEG.	235 L.F.	REMOVE THE EXISTING PAVEMENT MARKING (ANY WIDTH)

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13-14	15-16
PHASE 1 & 5	◄G-R	◄G-R	R	◄G-R	◄G-R	R	R	R	R	R	R	R	DW	DW
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6													
PHASE 1 & 6	R	R	R	◄G-G	◄G-G	G	R	R	R	R	R	R	DW	DW
1 CHANGE	R	R	R	◄Y-G	◄Y-G	G	R	R	R	R	R	R	DW	DW
PHASE 2 & 5	◄G-G	◄G-G	G	R	R	R	R	R	R	R	R	R	DW	DW
5 CHANGE	◄Y-G	◄Y-G	G	R	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	DW
PED. CLEAR	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3 & 7	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW
3 & 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 & 8 OR 4 & 7 OR 4 & 8													
PHASE 3 & 8	R	R	R	R	R	R	◄G-G	◄G-G	G	R	R	R	DW	DW
3 CHANGE	R	R	R	R	R	R	◄Y-G	◄Y-G	G	R	R	R	DW	DW
PHASE 4 & 7	R	R	R	R	R	R	R	R	R	◄G-G	◄G-G	G	DW	DW
7 CHANGE	R	R	R	R	R	R	R	R	R	◄Y-G	◄Y-G	G	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
4 & 8 ALT.	R	R	R	R	R	R	G	G	G	G	G	G	DW	WK
PED. CLEAR	R	R	R	R	R	R	G	G	G	G	G	G	DW	FL/DW
4 & 8 ALT. CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
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	DARK	DARK

WIRING DIAGRAM



A-D = 3 CONDUCTOR CABLE (NO. 14 AWG)
E-F = 2 CONDUCTOR CABLE (NO. 14 AWG)

REVISIONS	APPROVALS	
	ASST. DIVISION CHIEF, TEDD ORIGINAL	MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC ON	US 40 and NORMANDY CENTER DRIVE/ NORMANDY WOODS DRIVE SIGNAL NO. 13004019.20 ELLICOTT CITY, MARYLAND DATE
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION FILE	DRAWN BY: B. THOMPSON DES. BY: B. THOMPSON CHECK BY: SCALE: 1" = 20'
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	F.A.P. NO. S.H.A. NO. 2385512508302 COUNTY BALTIMORE
		PLAN SHEET NO. TS-479 F
		SHEET NO. 1 OF 1