F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION TO THE EXISTING TRAFFIC SIGNAL AT MD 193 AND WALKER DR.

MD 193 RUNS IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE MODIFICATION INVOLVES THE INSTALLATION OF PEDESTRIAN INDICATIONS, SIGNS, PUSHBUTTON AND CROSSWALK ON THE WEST LEG OF THE INTERSECTION. A PUSHBUTTON WILL ALSO BE PROVIDED IN MEDIAN. IT ALSO INVOLVES INSTALLING STREET LIGHTING.

THE INTERSECTION IS PRESENTLY OPERATING IN A NEMA SIX-PHASE FULL-TRAFFIC-ACTUATED OPERATION.

EQUIPMENT LISTS

A. EQUIPMENT TO BE SUPPLIED BY THE S.H.A.

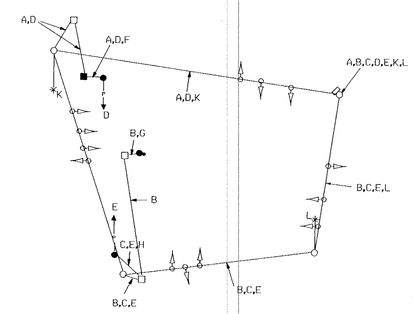
ITEM NO.	QUANTITY	DESCRIPTION
9000	2 EACH	12" ONE-WAY, TWO-SECTION SIGNAL (ALUMINUM) PEDESTRIAN SIGNAL HEAD PEDESTAL MOUNT
9000	3 EACH	10' BREAKAWAY PEDESTAL POLE AND BASE
9000	3 EACH	PEDESTRIAN PUSHBUTTONS AND R10-3c SIGN TO READ"PUSHBUTTON TO CROSS GREENBELT RD.
9000	48 S.F.	OVERHEAD MOUNTED SIGNS
		2 EACH D3-2, "WALKER DR, RIGHT ARROW " (VARIABLE X 16"),
		2 EACH D3-2, "LEFT ARROW, WALKER DR" (VARIABLE X 16"),

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

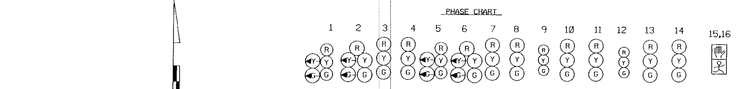
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2005	2.7 C.Y.	REMOVAL OF EXISTING SIDEWALK
2006	50 L.F.	REMOVAL OF EXISTING COMBINATION CURB AND GUTTER
5002	100 L.F.	F/I 6" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5003	800 L.F.	F/I 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5005	170 L.F.	F/I 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5006	1 EACH	F/I PERMANENT PREFORMED PAVEMENT MARKING - LETTER
5007	2 EACH	F/I PERMANENT PREFORMED PAVEMENT MARKING - ARROW
5008	170 L.F.	REMOVE EXISTING PAVEMENT MARKING - ANY WIDTH
6001	200 S.F.	F/I 4" CONCRETE SIDEWALK
6010	50 L.F.	F/I DEPRESSED CURB AND GUTTER
8001	2.1 C.Y.	F/I CONCRETE FOUNDATION
8003	3 EACH	INSTALL 10' BREAKAWAY PEDESTAL POLE AND BASE
8006	1 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8011	2 EACH	INSTALLATION OF PEDESTRIAN SIGNAL HEADS
8016	3 EACH	INSTALL PEDESTRIAN PUSHBUTTON WITH R10-3C SIGN.
8025	50 L.F.	F/I 2" ELECTRICAL CONDUIT (PVC) SCHEDULE 40 - TRENCHED
8026	60 L.F.	F/I 2" ELECTRICAL CONDUIT (PVC) SCHEDULE 80 - SLOTTED
8035	1 EACH	F/I ELECTRICAL HANDHOLE
8037	3 EACH	F/I GROUND ROD
8045	1450 L.F.	F/I 2-CONDUTOR ELECTRICAL CABLE (NO. 14 AWG)
8046	800 L.F.	F/I 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
8049	440 L.F.	F/I ELECTRICAL CABLE, 2-CONDUCTOR (NO 12 AWG)
8052	30 L.F.	F/I 1-CONDUCTOR (NO. 6 AWG) - GROUND WIRE
8057	48 S.F.	INSTALL OVERHEAD SIGN
8058	3 EACH	F/I BREAKAWAY BASE SUPPORT SYSTEM FOR SIGNAL STRUCTURE
8059	2 EACH	F/I 250 WATT HPS LUMINAIRE WITH PHOTOCELL
8060	2 EACH	F/I 15' LIGHTING BRACKET ARM FOR TRAFFIC SIGNAL STRUCTURE
8064	1 EACH	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8093	3 EACH	F/I 10' PEDESTAL POLE

WIRING DIAGRAM

A,B,C 2-CONDUCTOR CABLE (NO. 14 A.W.G.)
D,E 3-CONDUCTOR CABLE (NO. 14 A.W.G.)
F,G,H 1-CONDUCTOR (NO. 6 AWG) - FOR GROUNDING
K,L 2-CONDUCTOR CABLE (NO. 12 AWG) TRAY CABLE



PHASE CHART



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

REVISIONS	APPROVALS
	ORIGINAL
	ASST. DIVISION CHIEF, TEDD
	NOTED
	ASST. DISTRICT ENGINEER, TRAFFIC
	ON
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD 193 AND WALKER DRIVE
(GENERAL INFORMATION)

DATE 12/12/95

DRAWN BY: ROBERT LIGON	F.A.P. NO. N/A	PLAN SHEET NO.:	SHEET NO.
CHECK BY: STEVEN RENZI	S.H.A. NO.S: RW109A&B AW 107-108	TS-2443C GI	2 OF 2
SCALE: 1" = 20'	COUNTY PRINCE GEORGE'S		