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 of an existing traffic device at the intersection of MD 235 and MD 246 in St. Mary's County MD 235 runs in a north-south direction.

II. Intersection Operation

This intersection shall operate in a fully-actuated four-phase operation. A side-street split phase will be provided for Northbound and Southbound MD 235.

III. Special Note

All internal wiring to the controller will be performed by the Signal Shop. Contact Mr. Ed Rodenhizer at 787-7652 seventy-two (72) hours in advance of intended work.

EQUIPMENT LISTS

A. Equipment to be supplied by SHA.

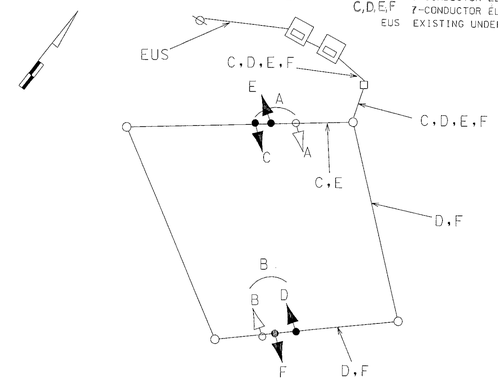
ITEM NO.	QUANTITY	DESCRIPTION
9000	2 EA	(SPAN MOUNT) 8"/12" 1-WAY.4-SECTION SIGNAL (8"R.Y.G. 12"G ARROW) W/TETHER CLAMP
9000	2 EA	(SPAN MT) 12" 1-WAY.4-SECTION SIGNAL (12" R.Y.G.G ARROW) W/TETHER CLAMP
9000	2 EA	R3-5L SIGN 30" X 36" (LEFT ARROW) -
9000	2 EA	R3-6L SIGN 30" X 36" (COMBINATION STRAIGHT & CURVED ARROW)
9000	1 EA	(CON/CAB/ADD) NEMA LOAD SWITCH

B. Equipment to be furnshied and/or installed by the Contractor.

ITEM NO.	QUANTITY	DESCRIPTION
5009	150 LF	24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5011	4 EA	PERMANENT PREFORMED PAVEMENT MARKING ARROW
8011	4 EA	INSTALL SIGNAL HEAD (ANY TYPE)
8047	40 LF	F & I ELECTRICAL CABLE - 5-CONDUCTOR NO. 14 AWG - IMSA 19-1
8048	420 LF	F & I ELECTRICAL CABLE 7-CONDUCTOR NO. 14 AWG - IMSA 19-1
8057	36 SF	INSTALL OVERHEAD MOUNTED SIGN
8064	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT

WIRING DIAGRAM

A,B 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
C,D,E,F 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
EUS EXISTING UNDERGROUND SERVICE



PHASE CHART

	1	2	3	4	5	6	7	8
PHASE 2 & 6	G	G	G	G	R	R	R	R
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R
PHASE 3	R	R -G-	R	R	G	G	R	R
3 CHANGE	R	R -Y-	R	R	Y	Y	R	R
PHASE 4	R	R	R	R	R	R	G	G
4 CHANGE	R	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

REVISIONS	APPROVALS
B Side Street Split Phase for NB/SB MD 235 2/95	ORIGINAL
MEL	CHIEF, DESIGN SECTION
A Replaced damaged loop detectors. CA 7/88	NOTED
	ASST. DISTRICT ENGINEER, TRAFFIC
	ON
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 246, ENT. TO PATUXENT NAVAL AIR CENTER & MD 235
DATE 3/22/88

DRAWN BY: CECILIA ALSTON	F.A.P. NO.	PLAN SHEET NO.: TS-354B (SP)	SHEET NO. 2 OF 2
CHECK BY: DENNIS DODA	S.H.A. NO. SM-670-501-585		
SCALE: 1" = 20'	COUNTY ST. MARY'S		

18023511.99