

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

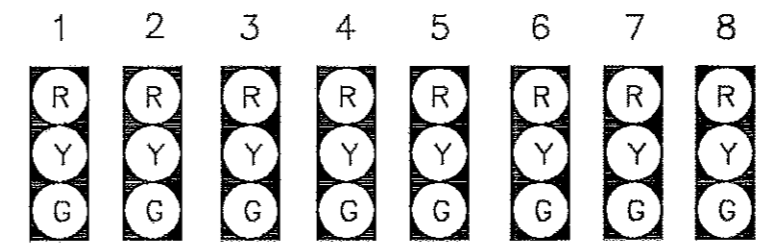
PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 1 (BELAIR RD) AND BRADSHAW/SUNSHINE AVE AND THE INSTALLATION OF MAIN LINE DETECTION AT THE INTERSECTION OF US 1 AND MT. VISTA RD IN BALTIMORE COUNTY. US 1 RUNS IN A NORTH SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATION SHALL REMAIN THE SAME.



PHASE 2 & 6	G	G	G	G	R	R	R	R	←	US 1
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	↘	BRADSHAW/SUNSHINE AVE
PHASE 4 & 8	R	R	R	R	G	G	G	G	↙	
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	↘	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	↙	

EQUIPMENT LIST

A. MATERIAL SUPPLIED BY SHA.

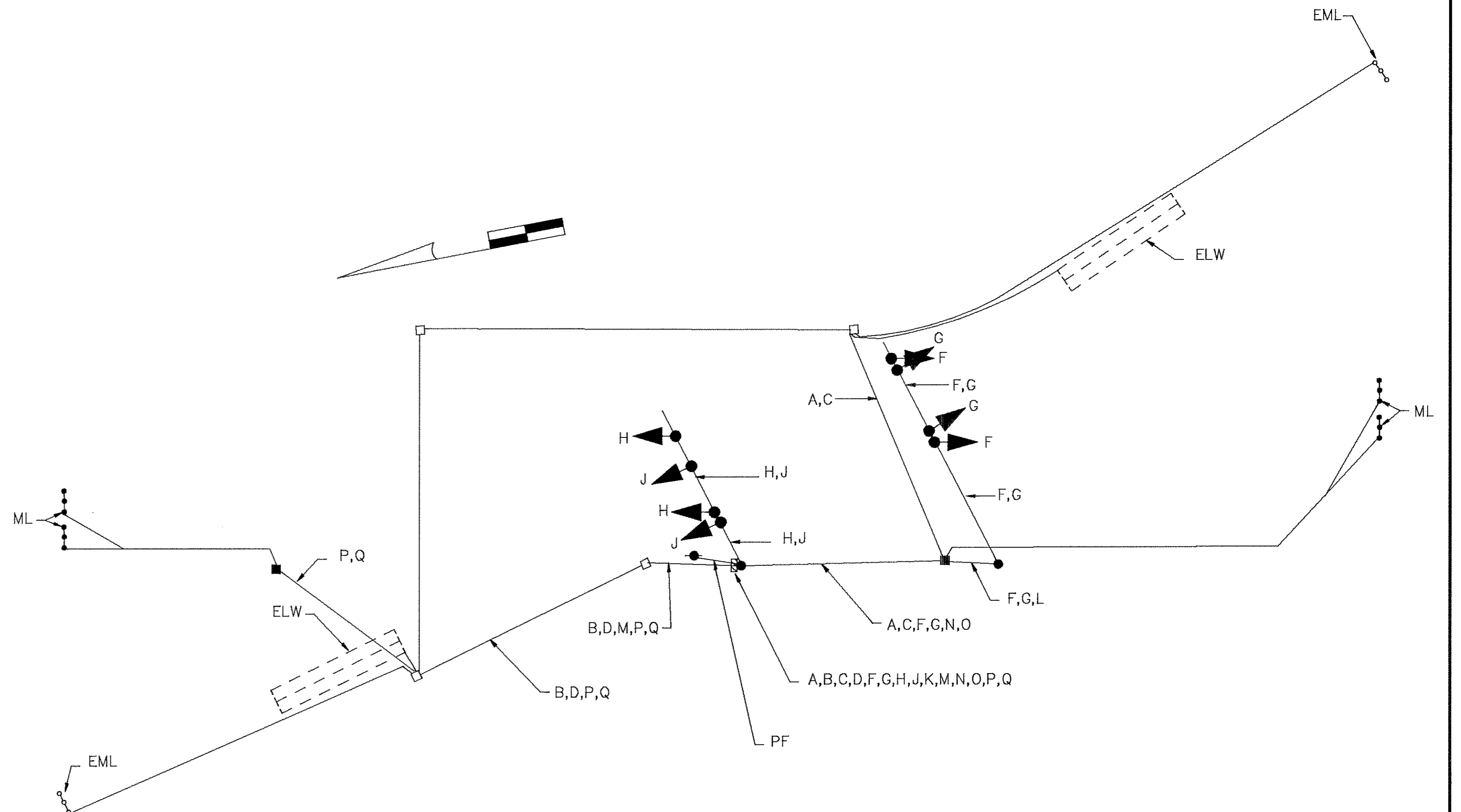
ITEM NO.	QUANTITY	SPEC. SECT.	DESCRIPTION
	8 EA	814	12" 1-WAY, 3-SECTION (R,Y,G) OPTICALLY PROGRAMMED SIGNAL HEAD HAVING PROPER ADJUSTABLE RIGID MOUNTING BRACKET AND TUNNEL VISORS
	1 EA	816	8-PHASE FULL-TRAFFIC-ACTUATED CONTROLLER WITH AN INTERSECTION MONITOR, PHONE DROP AND ALL NECESSARY EQUIPMENT TO BE HOUSED IN A POLE MOUNTED CABINET (M-TYPE)
	37 SF	813	D3-2 SIGN 32" X VARIABLE MAST ARM MOUNT
	* 6 EA	816	2-CHANNEL LOOP DETECTOR AMPLIFIER
	9 EA	816	MICROLOOP PROBE DETECTOR (SET OF THREE) (3-SETS WITH 500' HOME RUN CABLE AND 6-SETS WITH 1000')

* - TO BE INSTALLED BY SHA SIGNAL SHOP

EQUIPMENT LIST

B. INSTALLATION AND MATERIAL SUPPLIED BY CONTRACTOR

ITEM NO.	QUANTITY	SPEC. SECT.	DESCRIPTION
	1 EA	205	TEST PIT EXCAVATION
	9 CY	801	CONCRETE FOUNDATION
	2 EA	805	INSTALL 2" CONDUIT BEND IN EXISTING POLE BASE
	60 LF	805	2" SCHEDULE 40 P.V.C. CONDUIT - TRENCHED
	100 LF	805	2" SCHEDULE 80 P.V.C. CONDUIT - SLOTTED
	70 LF	805	3" SCHEDULE 80 P.V.C. CONDUIT - SLOTTED
	8 EA	612	TRAFFIC BARRIER W BEAM POST NORMAL 6' LENGTH
	4 EA	811	HANDHOLE
	1 EA	807	CONTROL AND DISTRIBUTION EQUIPMENT
	375 LF	810	7-CONDUCTOR CABLE (NO. 14 A.W.G.)
	40 LF	810	1-CONDUCTOR CABLE (NO. 6 A.W.G.) STRANDED BARE
	45 LF	810	1-CONDUCTOR CABLE (NO. 4 A.W.G.)
	LS	SPI	REMOVAL AND DISPOSAL OF EXISTING MATERIAL AND EQUIPMENT
	LS	SPI	REMOVAL AND SALVAGE OF EXISTING MATERIAL AND EQUIPMENT
	1 EA	SPI	USE EXISTING PLAN ON DISK AND ASBUILT
	1 EA	816	PHOTOCELL
	20 LF	805	1" GALVANIZED RISER
	1930 LF	815	SAWCUT FOR LOOP DETECTOR
	1 EA	805	SPLICE EXISTING LOOP DETECTOR TO 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE
	10 LF	805	1" LIQUID TIGHT NON-METALLIC CONDUIT SLEEVE
	1 EA	818	21' STEEL POLE WITH A 60' MAST ARM
	1 EA	818	21' STEEL POLE WITH A 50' MAST ARM
	2 EA	804	GROUND ROD



A to B - Existing 2-conductor (aluminum shielded) cable
 C to D - Existing home run cable
 E - Not used
 F to J - 7-conductor cable (No. 14 A.W.G.)
 K - 3-conductor cable (No. 14 A.W.G.)
 L to M - No. 6 stranded bare copper ground wire
 N to Q - Home run cable
 ELW - Existing loop wire
 EML - Existing micro-loop
 ML - Microloop
 PF - proposed overhead feed

REVISIONS 		APPROVALS CHIEF, SIGNAL DESIGN SECTION ASST. DISTRICT ENGINEER, TRAFFIC CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, OFFICE OF TRAFFIC & SAFETY		MDOT - STATE HIGHWAY ADMINISTRATION <i>Office of Traffic & Safety</i> TRAFFIC ENGINEERING DESIGN DIVISION			
		DRAWN BY: BRUCE THOMPSON DES. BY: CHK. BY:		US 1 and BRADSHAW/SUNSHINE AVE COUNTY: BALTIMORE			
DATE: 10-4-95 SCALE:		F.A.P. NO. S.H.A. NO.		TS/STD. NO. 626 C1 SHEET NO. OF			