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 the existing traffic control signal at the intersection of MD 26 (Liberty Road) and Saint Luke's Lane in Baltimore County. A L.E.D. hazard identification beacon shall be installed on the eastbound approach to the intersection. MD 26 is assumed to run in a east - west direction.

II. Intersection Operation

No change to the existing intersection operation is required for this project.

III. Special Notes

1.) Maintenance of traffic will be handled by the contractor utilizing the following standard plates for traffic control: 104.00 - 104.00-30, 104.38-02, 104.39-02, 104.40-02, 104.41-02.

2.) The following are SHA District Contact persons:

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division (410) 787-7630

Mr. Randal Scott
Asst. District Engineer - Traffic
(410) 321-3514

Mr. Joseph McMahon
District Engineer- Utility
(410) 321-3456

Mr. Dave Malkowski
District Engineer
(410) 321-3461

Mr. Dave Ramsey
Asst. District Engineer - Maintenance
(410) 321-3468

EQUIPMENT LIST

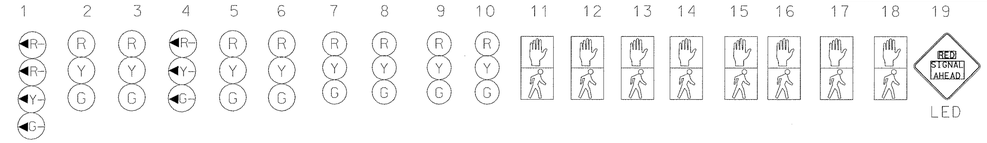
A. Equipment to be supplied by the Administration.

ITEM NO.	QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
	1	EA	xxx	"RED SIGNALAHEAD", LED sign & cabinet.
9089	16	SF	813	W3-3 (48"x48") pole mount.

B. Equipment to be Furnish and/or Installed by the Contractor

ITEM NO.	QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
1001	1	EA	104	Maintenance of Traffic per assignment
1003	1	EA	108	Mobilization for assignments out of contract area.
2001	1	CY	205	Test pit excavation
6001	120	SF	610	4 in. concrete sidewalk
8001	2.6	CY	801	Furnish and install concrete for signal foundation
8024	340	LF	805	Furnish and install 2 in. schedule 80 rigid PVC conduit-trenched
8033	2	EA	811	Furnish and install electrical handhole
8034	1	EA	804	Furnish and install ground rod-3/4 in. diameter x 10 ft. length
8039	1000	LF	810	Furnish and install electrical cable 7 - conductor (No. 14 AWG)
8044	80	LF	810	Furnish and install electrical cable - 5 conductor (No. 14 AWG)
8048	30	LF	810	Furnish and install electrical cable 1 - conductor No. 8 AWG - THHN/THWN
8049	1000	LF	810	Furnish and install No. 6 AWG stranded bare copper ground wire
8054	16	SF	813	Install overhead sign
8070	1	EA	807	Furnish and install control and distribution equip(120/240V. 1 phase 3 wire syst)
8082	1	EA	SP	Furnish and install mast arm pole and 50 ft. mast arm
NEG.	1	EA	813	Tree trimming
NEG.	1	EA	xxx	Install "RED SIGNAL AHEAD", LED sign & cabinet

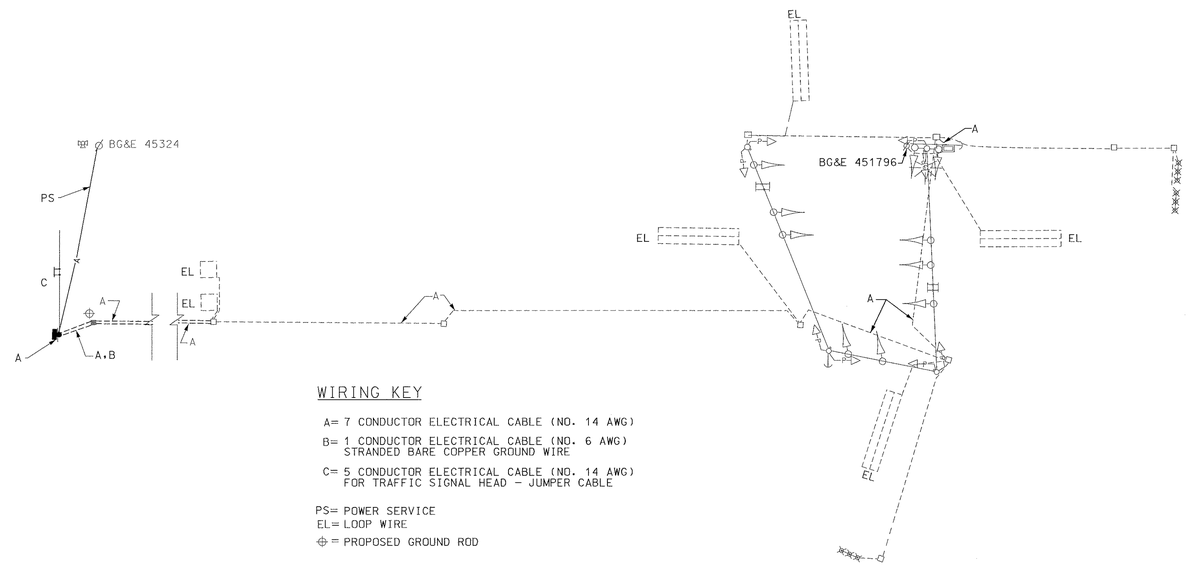
PHASING SEQUENCE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PHASE 1 & 5	◄-G-	R	R	◄-G-	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	FL/RSA
PHASE 1 & 5 CHANGE	◄-Y-	R	R	◄-Y-	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	FL/RSA
PHASE 2 & 6	◄-R-	G	G	◄-R-	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW	SA
PED CLEARANCE	◄-R-	G	G	◄-R-	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW	SA
PHASE 2 & 6 CHANGE	◄-R-	Y	Y	◄-R-	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	SA
PHASE 4 & 8	◄-R-	R	R	◄-R-	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW	FL/RSA
PHASE 4 & 8 CHANGE	◄-R-	R	R	◄-R-	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	FL/RSA
PHASE 4 & 8 ALT	◄-R-	R	R	◄-R-	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK	FL/RSA
PED CLEARANCE	◄-R-	R	R	◄-R-	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	FL/RSA
PHASE 4 & 8 ALT CHANGE	◄-R-	R	R	◄-R-	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	FL/RSA
FLASHING OPERATION	FL/◄-R- / FL/◄-R-	FL/Y	FL/Y	FL/◄-R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	SA

R= RED
Y= YELLOW
G= GREEN
◄-Y- = YELLOW ARROW
◄-G- = GREEN ARROW
FL= FLASHING
RSA= RED SIGNAL AHEAD
SA= SIGNAL AHEAD

WIRING DIAGRAM



WIRING KEY

A= 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

B= 1 CONDUCTOR ELECTRICAL CABLE (NO. 6 AWG) STRANDED BARE COPPER GROUND WIRE

C= 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) FOR TRAFFIC SIGNAL HEAD - JUMPER CABLE

PS= POWER SERVICE
EL= LOOP WIRE
⊕ = PROPOSED GROUND ROD

REVISIONS

(A) ADD H.I.B. FOR EASTBOUND MD 26 SHA # AW-2805185 8/98 DMF DGI

APPROVALS

ASST. DIVISION CHIEF, TEDD
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

DGI CONSULTING ENGINEERS COLUMBIA, MARYLAND

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 26 (LIBERTY ROAD) at ST. LUKES LANE / KING JAMES CIRCLE
GENERAL INFORMATION SHEET 1 OF 1

LOG MILE *
DATE 12/21/67

DRAWN BY: BALT. COUNTY	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
CHECK BY: BALT. COUNTY	S.H.A. NO.	AW280458 / BS8	TS 3828-GI	2 OF 2
SCALE: N/A	COUNTY	BALTIMORE		