PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF INTERSECTION STREET LIGHTING AT THE INTERSECTION OF MD 26 (LIBERTY ROAD) AND WASHINGTON AVENUE IN BALTIMORE COUNTY.

THE UPGRADE INCLUDES THE INSTALLATION OF TWO (2) NEW 15-FOOT LIGHTING BRACKET ARMS WITH 250 WATT HPS VAPOR LUMINAIRES WITH PHOTOCELLS.

MD 26 (LIBERTY ROAD) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EQUIPMENT LIST A

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

ITEM NOS.	QUANTITY	DESCRIPTION
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EQUIPMENT LIST B

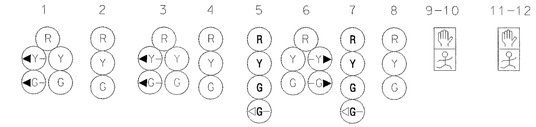
EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NOS.	QUANTITY	DESCRIPTION
1001	1 EACH	Maintenance of traffic.
8042	450 L.F.	Furnish and install electrical cable - 2 conductor (No. 12 AWG).
8026	2 EACH	Furnish and install 250 watt HPS vapor luminaire with photocell.
8043	2 EACH	Furnish and install 15 foot lighting bracket arm for traffic signal structure.

EQUIPMENT LIST C

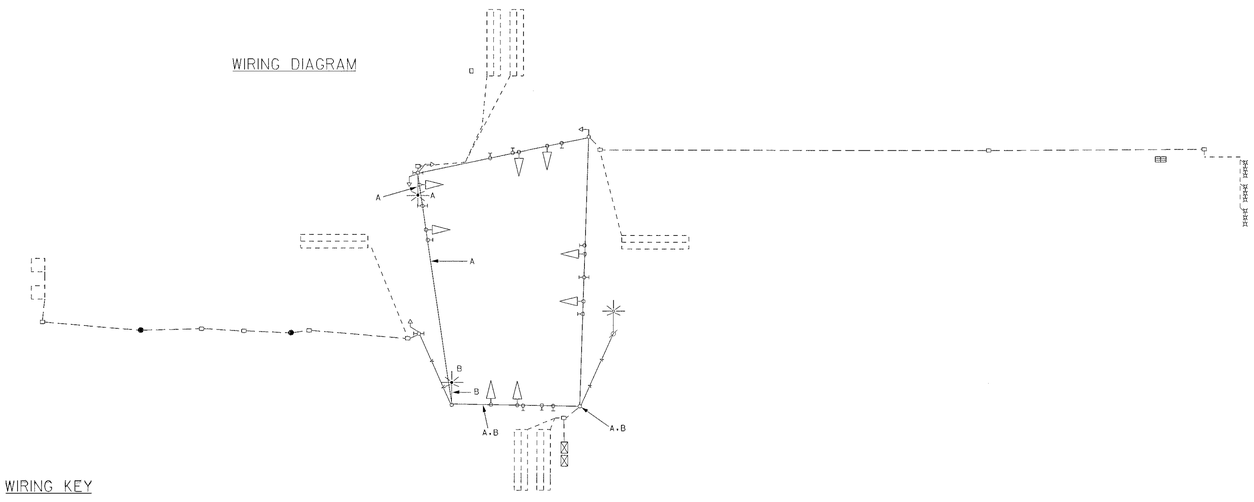
ALL REMOVED SIGNAL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART



	1	2	3	4	5	6	7	8	9-10	11-12
Phase 1 & 5	◄G-R	R	◄G-R	R	R	R-G►	R	R	DW	DW
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6									
Phase 1 & 6	◄G-G	G	R	R	R	R-G►	R	R	DW	DW
1 & 6 Change	◄Y-G	G	R	R	R	R-G►	R	R	DW	DW
Phase 2 & 5	R	R	◄G-G	G	R	R	R	R	DW	DW
2 & 5 Change	R	R	◄Y-G	G	R	R	R	R	DW	DW
Phase 2 & 6	G	G	G	G	R	R	R	R	DW	DW
2 & 6 change	Y	Y	Y	Y	R	R	R	R	DW	DW
2 & 6 Alt.	G	G	G	G	R	R	R	R	WK	DW
Ped. Clearance	G	G	G	G	R	R	R	R	FL/DW	DW
2 & 6 Alt. Change	Y	Y	Y	Y	R	R	R	R	DW	DW
Phase 3	R	R	R	R	R	R	G ◄G-	G	DW	DW
3 Change	R	R	R	R	R	R	Y	Y	DW	DW
3 Alt.	R	R	R	R	R	R	G ◄G-	G	WK	WK
Ped. Clearance	R	R	R	R	R	R	G ◄G-	G	FL/DW	FL/DW
3 Alt. change	R	R	R	R	R	R	Y	Y	DW	DW
Phase 4	R	R	R	R	G ◄G-	G	R	R	DW	DW
4 Change	R	R	R	R	Y	Y	R	R	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK

WIRING DIAGRAM



WIRING KEY

A, B } 2- CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG)

REVISIONS	APPROVALS
(D) UPGRADE INTERSECTION LIGHTING / ASBUILT 4/15/2001 SHA #: AW6955185	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
(C) SIGNALS REVISED DUE TO LIBERTY RD WIDENING 6/26/85	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
B REVISE SIGNALS #5&7 10/5/81	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A D.SIGNALS #2.3.5.6 FROM START TO GREEN 9/15/77	DIRECTOR, TRAFFIC & SAFETY
CKW	

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

MD 26 (Liberty Road) & Washington Avenue

DRAWN BY: MATAMBA KABENGELE	F.A.P. NO. N/A	TS NO. 1911(D)	SHEET NO.
CHECKED BY: DENNIS DODA	S.H.A. NO. BA-369A54 B54		
SCALE: NONE	COUNTY: BALTIMORE	T.I.M.S. NO. E-473	2 OF 2
DATE: 4/5/2001	LOG MILE: 03002607.97		