

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the traffic control signal at the intersection of US 1 and Edgewood Road in Prince George's County, Maryland. US 1 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection operation is to remain unchanged. Existing cabinet/controller will be utilized.

EQUIPMENT LIST

A. S.H.A. furnished equipment material.

None.

B. Equipment to be furnished and installed by the Contractor.
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
1	CY	205	Test pit excavation.
4	EA	811	Handhole.
1	EA	818	14 ft. steel pedestal pole with break away transformer base.
1	EA	818	12 in., one-way, three section (RAYAGA) adjustable black faced traffic signal head with post top mounting hardware and tunnel visors.
3	EA	---	Micro-loop probe non-invasive (set of 3) with 1000' ft. lead-in cable.
255	LF	810	7-conductor electrical cable (No. 14 A.W.G.).
130	LF	810	Bare copper stranded ground wire (No. 6 A.W.G.).
10	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
340	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
90	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
60	LF	805	4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
1	CY	801	Concrete foundation for traffic signal equipment.
1	EA	804	Ground rod 3/4 in. diameter x 10 ft. length.
Lump Sum	LS	---	Relocate existing cables.
Lump Sum	LS	---	Remove and dispose of existing signal equipment.
Lump Sum	LS	---	As-built for S.H.A. (on CADD).

CONTACT LIST

The contact persons for District #3 are as follows:

Mr. Les Starkoff
Assistant District Engineer - Traffic
301-513-7358

Mr. Augie Rebish
Assistant District Engineer - Utility
301-513-7350

Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
301-513-7304

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

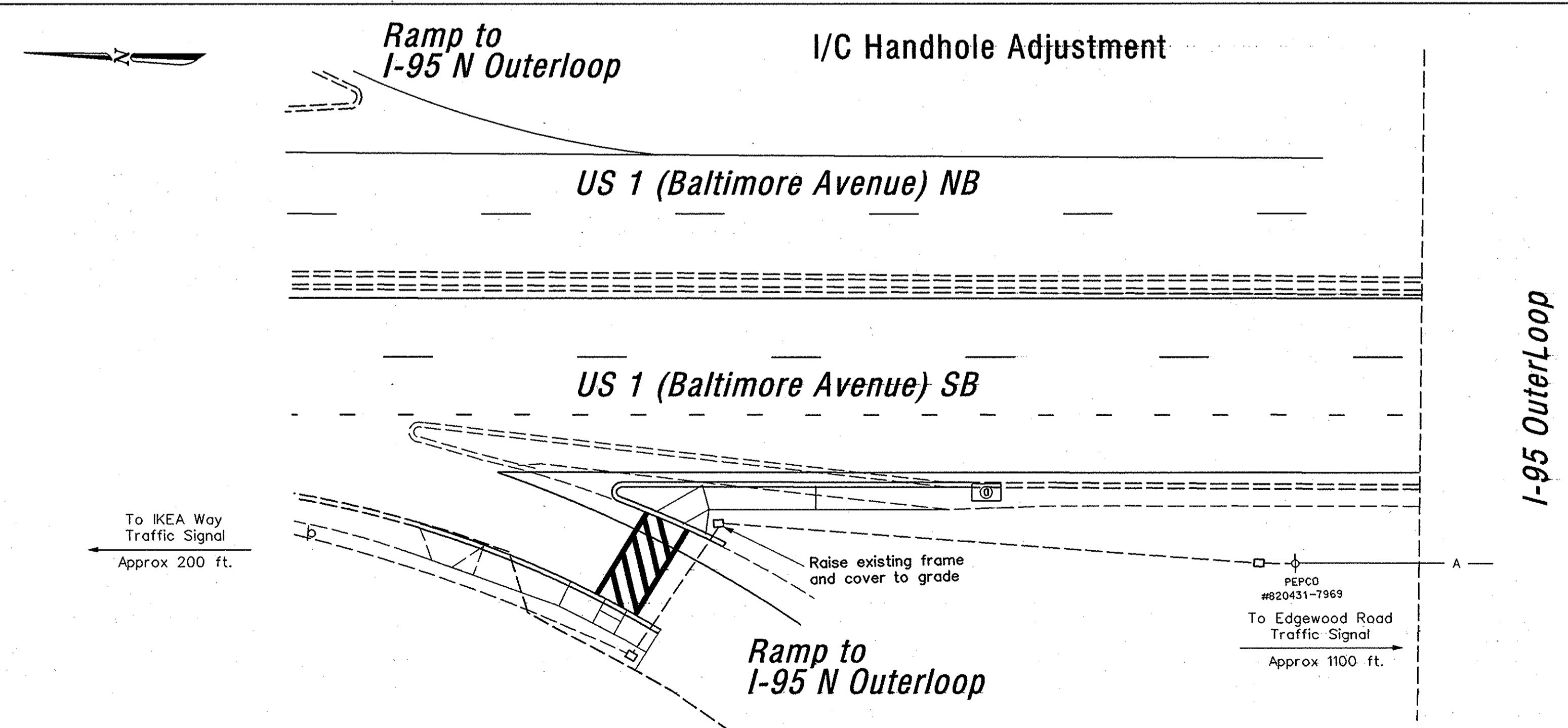
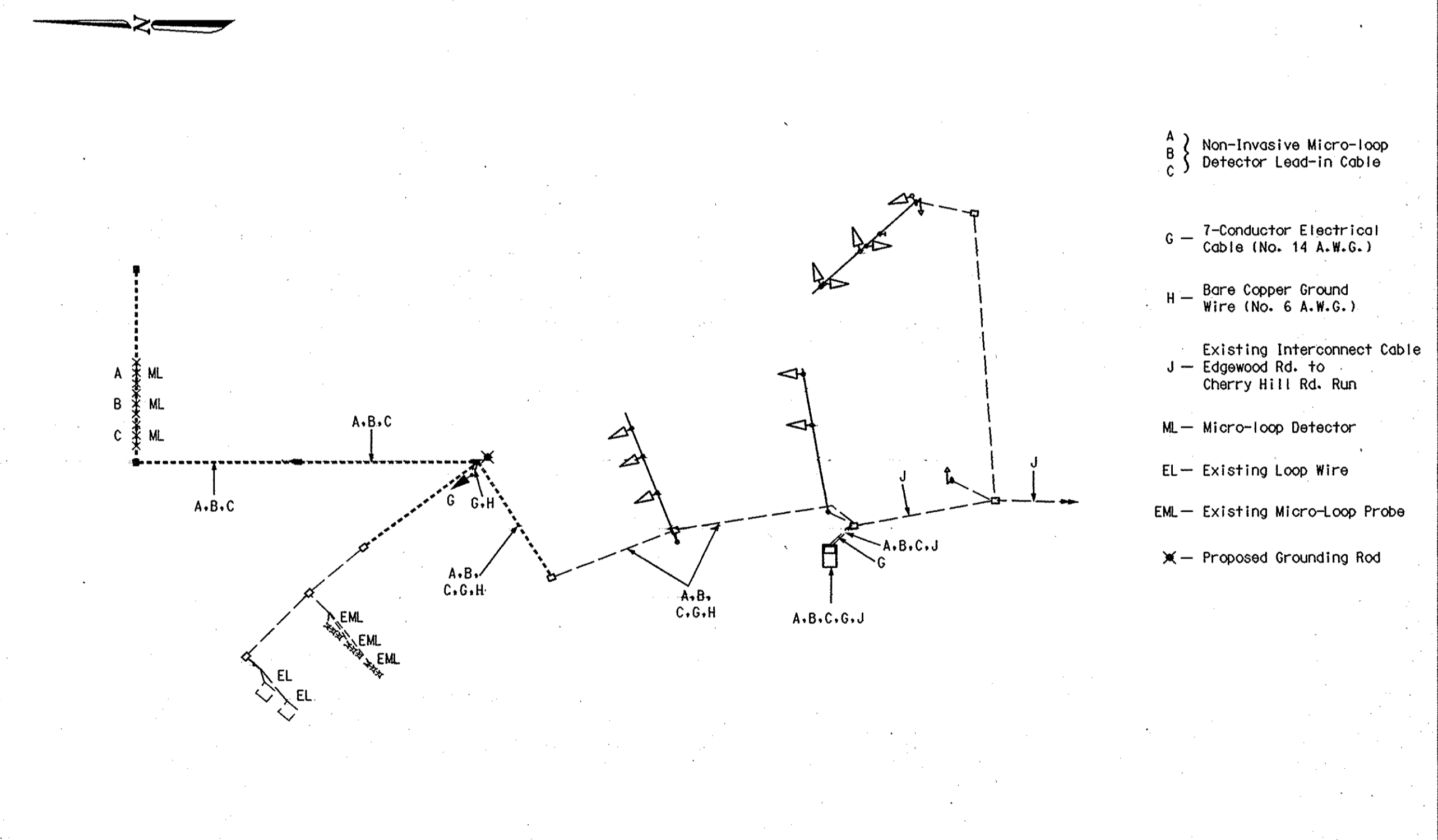
The Power Company Representative is:

PEPCO
Richard Chilcoat
Customer Representative
Telephone: 1-301-967-5805
Address: 8300 Old Marlboro Pike
Upper Marlboro, MD 20772

Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13
Phase 2 & 5	G	G	G	G	G	R	R	R	R	R	DW	DW	← 5+7
5 Change	Y	Y	G	G	G	R	R	R	R	R	DW	DW	→
Phase 2 & 6	R	R	← G	← G	G	← R	← R	R	R	R	DW	DW	→
2 & 6 Change	R	R	Y	Y	Y	← R	← R	R	R	R	DW	DW	→
Phase 3	R	R	R	R	R	← R	← R	R	R	G	DW	DW	↓
3 Change	R	R	R	R	R	← R	← R	R	R	Y	Y	DW	DW
Phase 4	R	R	R	R	R	← G	← G	G	G	R	R	DW	DW
4 Change	R	R	R	R	R	← Y	← Y	G	G	R	R	DW	DW
Phase 7	G	G	R	R	R	← R	← R	G	G	R	R	DW	DW
7 Change	G	G	R	R	R	← R	← R	Y	Y	R	R	DW	DW
Phase 3 Alt.	R	R	R	R	R	← R	← R	R	R	G	G	W	W
Alt. 3 Ped. Clearance	R	R	R	R	R	← R	← R	R	R	G	G	FL/DW	FL/DW
Alt. Phase 3 Change	R	R	R	R	R	← R	← R	R	R	Y	Y	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

Wiring Diagram



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(General Information Plan)
US 1 (Baltimore Avenue) at Edgewood Road

DRAWN BY: F. Brownley/ JES	F.A.P. NO. N/A	TS NO. 533H	SHEET NO. 2 OF 2
CHECKED BY: J. Dirndorfer	S.H.A. NO. 23855t2508325	T.I.M.S. NO. H248	
SCALE: 1" = 20'	COUNTY: Prince George's	LOG MILE: 1600106.27	
DATE: 04/28/06			

13:99A1094-1094A.dwg 08/08/06 4/28/2006