

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of two Hazard Identification Beacons along MD 185 (Connecticut Ave) to alert motorists of pedestrians. The H.I.B. for northbound traffic shall be installed approximately 1440' south of the intersection of MD 185 (Connecticut Ave) and MD 191 (Bradley Lane) and interconnected to the existing signal at MD 191. The H.I.B. for southbound traffic shall be installed approximately 640' south of the intersection of MD 185 (Connecticut Ave) and MD 410 (East West Hwy) and is to be interconnected to the existing signal at MD 410.

A pole-mounted "G" size cabinet shall be installed on each H.I.B.

II. INTERSECTION OPERATION

- The Hazard Identification Beacons shall flash continuously from 7:00 AM to 9:00 PM, 7 days a week to warn drivers of pedestrians.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
- Disconnecting and splicing of interconnect cable shall be performed by Montgomery County Forces. The contractor shall run the interconnect cable into the base of each cabinet and properly tag the cable. Contact Mr. Bob Gonzales at (240) 777-8761 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
9037	Cabinet "G" type - pole mount	2 EA
9042	Controller ASC II with telemetry	2 EA
9571	Sheet aluminum signs to consist of: (mast arm or pole mount)	64 SF
	SPECIAL (48"x96") panel: W11-2 "PEDESTRIAN CROSSING (SYMBOLIC)" (30" x 30") with "STAY ALERT" sign	2 EA

EQUIPMENT LIST (CONT.)

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

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	2 EA
2002	Test Pit Excavation	2 C.Y.
8006	Cut, clean, galvanize and cap traffic signal structure.	2 EA
8011	Furnish and install 12" vehicular traffic signal head section	4 EA
8015	Furnish and install 3" weatherhead.	2 EA
8020	Furnish and install electrical utility service equipment (120/240 V, 1 phase 3 wire system).	2 EA
8023	Furnish and install 27' mast arm pole and 60' (cut to 40') mast arm.	2 EA
8045	Paint structure (installed).	2 EA
8051	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - trenched	45 L.F.
8054	Furnish and install 12-pair communication cable, self-supporting (overhead).	1675 L.F.
8057	Furnish and install concrete for signal foundation.	10 C.Y.
8060	Furnish and install No. 6 AWG stranded bare copper ground wire.	50 L.F.
8072	Furnish and install electrical handhole.	2 EA
8075	Install overhead sign.	64 S.F.
8080	Furnish and install ground rod - 3/4" x 10'.	2 EA
8083	Furnish and install electrical cable - 3 conductor (No. 14 AWG).	160 L.F.
8092	Install controller and cabinet pole mount.	2 EA
Neg.	Furnish and install 6-pair communication cable, lash to existing interconnect cable	880 L.F.

The contact persons for District #3 (Montgomery County) are as follows:

Mr. Lee Starkloff  
Assistant District Engineer - Traffic  
Phone: (301) 513-7318

Mr. Raleigh Medley  
Assistant District Engineer - Maintenance  
Phone: (301) 513-7304

Mr. Augie Rebish  
District Engineer - Utility  
Phone: (301) 513-7350

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

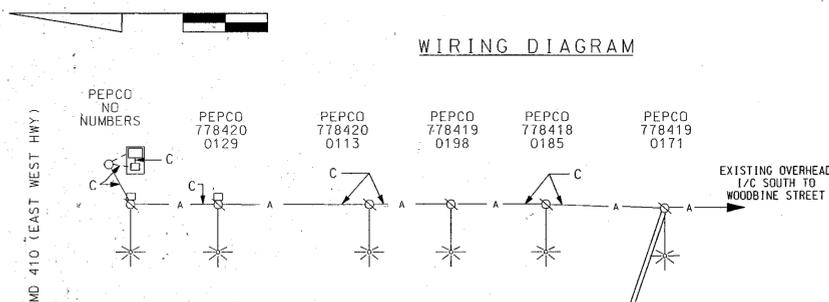
The electrical service representative is:

Ms. Eliza Hemingway  
PEPCO Customer Design  
4061 Powder Mill Road, Ste. 600  
Calverton, Maryland 20705  
Phone: (301) 931-2880

PHASING CHART

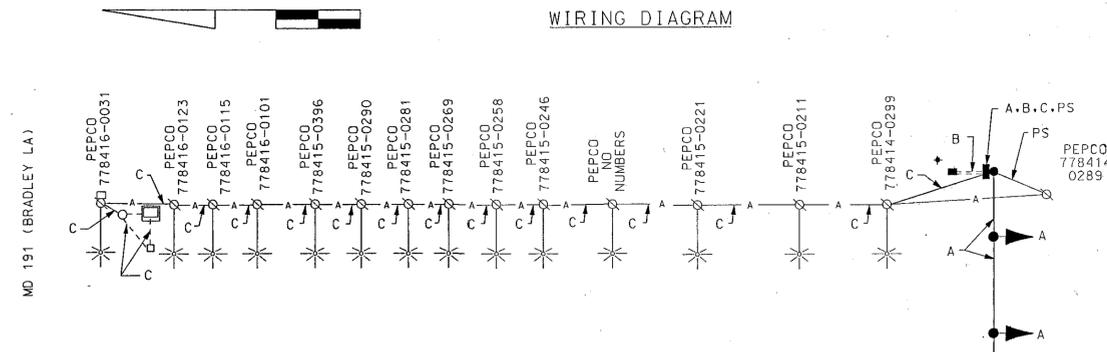
THE SIGNALS SHALL FLASH CONTINUOUSLY FROM 7:00 AM TO 9:00 PM, 7 DAYS A WEEK

WIRING DIAGRAM



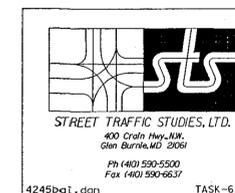
WIRING KEY

A	- 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B	- STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
C	- 6-PAIR VOICE GRADE INTERCONNECT CABLE (OVERHEAD)
PS	- PROPOSED OVERHEAD SERVICE TO BE INSTALLED BY PEPCO
+	- GROUND ROD



WIRING KEY

A	- 3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B	- STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
C	- 12-PAIR VOICE GRADE INTERCONNECT CABLE (OVERHEAD)
PS	- PROPOSED OVERHEAD SERVICE TO BE INSTALLED BY PEPCO
+	- GROUND ROD



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 185: MD 410 TO CHEVY CHASE CIRCLE  
HAZARD IDENTIFICATION BEACON

DRAWN BY: ROB CICCHINI	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: William Malcom	S.H.A. NO. M5023751		4 OF 4
SCALE: 2-26-03	COUNTY: MONTGOMERY	T.I.M.S. NO.	
DATE: 2-26-03	LOC. MILE:		