PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of audible pedestrian signal pushbuttons at the intersection of MD 97 (Georgia Ave) and Seminary Road / Columbia Boulevard in Montgomery County. MD 97 (Georgia Ave) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

1. The existing intersection operation shall remain.

2. The existing base-mounted cabinet and controller shall be used.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating the appropriate signal cables. to the appropriate terminals and shall properly label each cable.

2. All controller cabinet wiring will be performed by the Montgomery County Forces. Contact Mr. Bob Gonzales at (240) 777-8761 seventy-two hours in advance of intended work.

3. 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
9504	Pedestrian education R10-4(1) sign. (Note: Sign to read "PUSHBUTTON TO CROSS COLUMBIA BLVD".)	1.5 SF
9504	Pedestrian education R10-4(1) sign. (Note: Sign to read "PUSHBUTTON TO CROSS SEMINARY RD".)	1.5 SF

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

ITEM NO.	DESCRIPTION	QUANTITY
2001	Class 2 Excavation.	5 C.Y.
2002	Test Pit Excavation	5 C.Y.
6004	4" concrete sidewalk.	280 S.F.
8006	Cut, clean, galvanize and cap traffic signal structure.	5 EA
8030	Furnish and install breakaway pedestal pole (cut to 4').	5 EA
8059	Furnish and install concrete for signal foundation.	4 C.Y.
8062	Furnish and install No. 6 AWG stranded bare copper ground wire.	100 L.F.
8076	Install ground mounted sign pedestrian education sign.	3 S.F.
8086	Furnish and install electrical cable - 5 conductor (No. 14 AWG).	1000 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

Mr. Keith Lord
Chief, Signal Operations MCDOT
Phone: (301) 279-1291

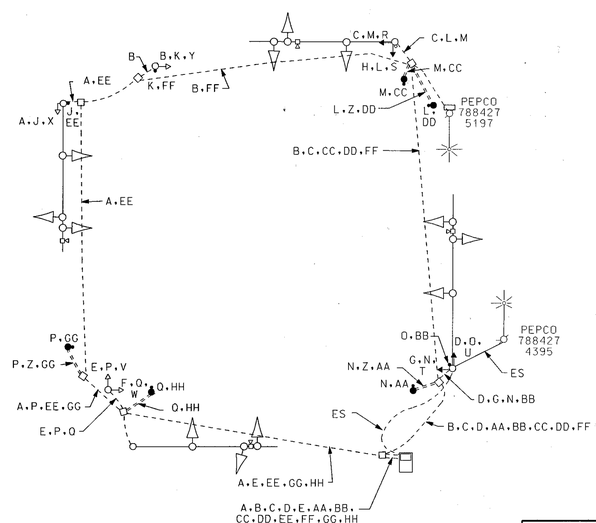
EQUIPMENT LIST (CONT.)

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

ITEM NO.	DESCRIPTION	QUANTITY
8093	Furnish and install 2" schedule 80 rigid polyvinyl chloride - trenched	50 L.F.
NEG.	4" concrete sidewalk with truncated domes.	48 SF
NEG.	Relocate pedestrian R10-4(1) sign.	2 EA
NEG.	Remove exisiting pedestrian signal head and deliver to Montgomery County Signal Shop. pick-up and reinstall signal head onto pole on separate brackets.	8 EA
NEG.	Navigator Pole Mount Units A.P.S. 5x7 black face plate option "A" with International Braille on face plate.	8 EA
	"(Left Arrow) Seminary Road"	1 EA
	"(Right Arrow) Seminary Road"	1 EA
	"(Left Arrow) Georgia Avenue"	2 EA
	"(Right Arrow) Georgia Avenue"	2 EA
	"(Left Arrow) Columbia Boulevard"	1 EA
	"(Right Arrow) Columbia Boulevard"	1 EA
NEG.	Pedestrian Head Control Unit constant power MD spec. with weatherproof boxes.	8 EA
NEG.	Voice Programming Kit (OV400D) Sound Development Programming Tool.	1 EA
NEG.	Beldon # 8691 (6 pair 18 AWG) control cable for A.P.S. system.	300 LF

NO PHASE CHANGES WERE NECESSARY FOR THIS PROJECT

WIRING DIAGRAM



WIRING KEY

A, B, C, D, E — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

F, G, H — USE EXISTING 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

J, K, L, M, N, O, P, Q — BELDRON #8691 6-PAIR (NO. 18 A.W.G) CABLE

R, S, T, U, V, W, X, Y — BELDRON #8760 SHIELDED MICROPHONE CABLE COMES WITH PEDESTRIAN HEAD CONTROL UNIT (TO BE INSTALLED BY MCDOT)

Z - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

AA, BB, CC, DD, EE, FF, GG, HH — 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

ES - EXISTING ELECTRICAL SERVICE TO BE MAINTAINED BY PEPCO

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.,NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4265.dgn

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 97 (GEORGIA AVE) AND SEMINARY RD / COLUMBIA BLVD

REDLINE REVISION 1

DRAWN BY:	ROB CICCHINI	F.A.P. NO.		TS NO. 219A-GI	SHEET NO. 2 OF 2
CHECKED BY:	R ZACHERL	S.H.A. NO.	M-826-378		
SCALE:	NONE	COUNTY:	MONTGOMERY	T.I.M.S. NO. E432	
DATE:	1-13-03	LOG MILE:	15009700.18		