BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of two Hazard Identification Beacons (H.I.B.'s) on US 219 (Garrett Hwy) near Trader's Landing in Garrett County.

II. INTERSECTION OPERATION

1. The H.I.B.'s are activated by pedestrians pushing the pushbuttons at a mid block crossing in front of Traders landing Shopping Center.
2. A size "G" pole-mounted cabinet shall be installed at this location.
3. SHA Signal Shop shall install Polara Control Unit into cabinet.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.

APS NOTES:

1. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18"from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.
2. Pushbutton arrows are to be parallel to the crossing for which they are intended.
3. APS will function as follows:

TO CROSS GARRETT HIGHWAY

a When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message " Yellow Flashing lights activated for Garrett Highway. Watch for traffic. Use Caution"

b. When the WALK phase begins, the pushbutton unit will provide a rapid tick which will last for the duration of the WALK phase.

The contact persons for District #6 and SHA are as follows:

Mr. George Small
Assistant District Engineer - Traffic
Phone: (301) 729-8444

Mr. Daniel Stafford
Assistant District Engineer - Maintenance
Phone: (301) 729-8457

Mr. Dave Felker
Assistant District Engineer - Utility
Phone: (301) 729-8439

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

Mr. Ed Rodenhizer
Manager, Signal Operations Section
410-787-7652

Mr. Sonny Bailey
Manager, Sign Shop Operations
410-787-7676

The power company representative is:

Mr Kieth Artice
Potomac Edison
10454 Garrett Hwy
Oakland, Md 21550
Phone: 310-533-3309

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
9037	Cabinet "G" type - pole mount	1 EA
9570	Sheet aluminum signs to consist of: (ground mount)	50 SF
	W11-15 "HIKER / BIKER" sign, (36" X 36")	2 EA
	W11-15 "HIKER / BIKER" sign, (48" X 48")	2 EA
9571	Sheet aluminum signs to consist of: (mast arm or pole mount)	53 SF
	W11-15 "HIKER / BIKER " sign, (48" x 48") pole mounted.	1 EA
	W16-2 "390 FEET" sign, (24"x18") pole mounted.	1 EA
	W11-15 (mod) "HIKER/BIKER 250 FEET" sign, 96" x 48" mast arm mounted.	1 EA
	Pedestrian education R2000-8 sign (9"x12"). (Note: Sign to read "PUSHBUTTON BEFORE CROSSING GARRET HIGHWAY".)	2 EA

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1003	Maintenance of traffic per assignment.	2 EA
2002	Test Pit Excavation	4 C.Y.
5005	Removal of existing permanent pavement line markings any width	245 L.F.
5006	12" white preformed thermoplastic pavement marking lines	220 L.F.
5006	24" white preformed thermoplastic pavement marking lines.	25 L.F.
6001	Standard type A combination curb and gutter 12" gutter pan 8" depth.	10 L.F.
6002	5" concrete sidewalk.	50 S.F.
6003	Detectable warning surface for curb ramps	14 S.F.
8008	Breakaway Pedestal pole (5')	2 EA
8008	Breakaway Pedestal pole (14')	1 EA
1 8016	Mast arm pole and 60' (out to 44') mast arm any "T" dimension	1 EA
1 ~~8018~~	~~Mast arm pole and 50' (out to 44') mast arm any "T" dimension~~	~~1 EA~~
8021	Remove and dispose of material & equipment per assignment.	1 EA
8032	Schedule 80 rigid PVC conduit up to 4" - bored.	760 L.F.
8034	Schedule 80 rigid PVC conduit up to 4" - trenched.	80 L.F.
8036	Install overhead or ground mounted sign (including hardware).	115 S.F.
8038	No. 6 AWG stranded bare copper ground wire.	30 L.F.
8041	Metered service pedestal embedded.	1 EA
8043	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	65 L.F.
8045	Furnish and install electrical handhole.	4 EA
8050	12" LED signal head section.	5 EA
8052	Cut, clean, galvanize and cap traffic signal structure.	1 EA

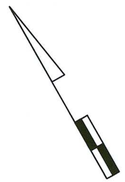
EQUIPMENT LIST (cont.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

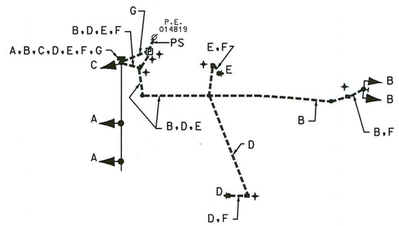
ITEM NO.	DESCRIPTION	QUANTITY
8056	Electrical cable - 5 conductor (No. 14 AWG).	860 L.F.
8064	Install controller and cabinet pole mount.	1 EA
8072A	Furnish and install electrical manhole.	3 EA
8073A	Polara Model-X Control Unit.	1 EA
8075A	Polara Push Button Station with 130' of cable.	2 EA

C. EQUIPMENT TO BE REMOVED

There is no equipment to be removed.



WIRING DIAGRAM



WIRING KEY

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

D, E } 8-CONDUCTOR POLARA ELECTRICAL CABLE

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

G - 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)

PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY POTOMAC EDISON

+ - GROUND ROD

1 Redline Revision
Dated July 20, 2011

SHA MDOT - SHA O.O.T.S.
7-21-11
S.H.A. Approval Date
T.S. # 4797 T.I.M.S. # K647

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

5980GI.dgn

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 219 (GARRETT HWY)
AT TRADERS LANDING

DEEP CREEK LAKE, MD

GENERAL INFORMATION SHEET

SCALE NONE DATE 6/8/11 CONTRACT NO. XX4245185

DESIGNED BY R.R.Z. COUNTY GARRETT
DRAWN BY R.C. LOGMILE 110219 21.44
CHECKED BY TIMS NO. K647
F.A.P. NO. TOD NO.

TS NO. 4797 DRAWING NO. 2 OF 2 SHEET NO. OF

PLOTTED: $DATETIME$
FILE: $FILE$

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