

BORDER REV. DATE: June 1, 2004

DRILL HOLES

DRILL HOLES

DRILL HOLES

EQUIPMENT LIST

PROJECT DESCRIPTION

- I. GENERAL
  - This project involves the installation of two Hazard Identification Beacons (H.I.B.'s) on US 219 (Garrett Hwy) at Uno's Restaurant in Garrett County.
- II. INTERSECTION OPERATION
  - 1. The H.I.B.'s are activated by pedestrians pushing the audible pushbuttons at a mid block crossing in front of Uno's Restaurant and Bar.
  - 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.
  - 3. The contractor must notify Mr. Ed Rodenhizer at least 3 weeks in advance of the installation of the R10-4(1)Mod. "Pedestrian sign with Red LED indications", to assure enough time to fabricate the sign. The contractor is to bring the wiring to the sign, the SHA signal shop will make the connections to the Red LED indications.

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:

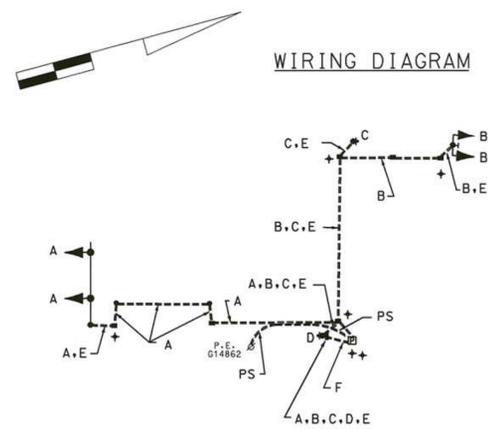
- Mr. George Small  
Assistant District Engineer - Traffic  
Phone: (301) 729-8444
  - Mr. Daniel Stafford  
Assistant District Engineer - Maintenance  
Phone: (301) 729-8457
  - Mr. Dave Felker  
Assistant District Engineer - Utility  
Phone: (301) 729-8439
  - Mr. Richard L. Daff, Sr.  
Chief, Traffic 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. Keith Artice  
Potomac Edison  
10454 Garrett Hwy  
Oakland, Md 21550  
Phone: 310-533-3309

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)	64 SF
	W11-15 "HIKER / BIKER" sign, (48" X 48")	4 EA
9571	Sheet aluminum signs to consist of: (pole mount)	53 SF
	W11-15 "HIKER / BIKER" sign, (48" X 48") pole mounted.	1 EA
	W16-2 "230 FEET" sign, (24"x18") pole mounted.	1 EA
	W11-15 (mod) "HIKER/BIKER 530 FEET" sign, 96" x 48" mast arm mounted.	1 EA
	Pedestrian education R2000-8 sign (9"x12"). (Note: Sign to read "PUSHBUTTON TO 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
2001	Class 2 Excavation.	6 C.Y.
2002	Test Pit Excavation	4 C.Y.
2	6001 Standard type A combination curb and gutter 12" gutter pan 8" depth.	130 S.F.
2	6002 5" concrete sidewalk.	300 S.F.
8008	Breakaway Pedestal pole (5')	1 EA
8008	Breakaway Pedestal pole (14')	1 EA
8008	Pedestal pole 14' (cut to 6')	1 EA
1	8018 Mast arm pole and 50' (cut to 30') 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.	520 L.F.
8034	Schedule 80 rigid PVC conduit up to 4" - trenched.	580 L.F.
2	8035 Wood sign supports up to 4"x6".	200 L.F.
8036	Install overhead or ground mounted sign (including hardware).	126 S.F.
8038	No. 6 AWG stranded bare copper ground wire.	80 L.F.
8041	Metered service pedestal embedded.	1 EA
8043	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	75 L.F.
8045	Furnish and install electrical handhole.	6 EA
8050	12" LED signal head section.	4 EA
8052	Cut, clean, galvanize and cap traffic signal structure.	2 EA
		15 S.F.

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR		
ITEM NO.	DESCRIPTION	QUANTITY
8056	Electrical cable - 5 conductor (No. 14 AWG).	1075 L.F.
8064	Install controller and cabinet pole mount.	1 EA
8072A	Furnish and install electrical manhole.	2 EA
8073A	Polara Model-X Control Unit.	1 EA
8074A	Polara Push Button Station with 350' of cable.	2 EA

C. EQUIPMENT TO BE REMOVED  
There is no equipment to be removed.



**WIRING KEY**

- A } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B } 8-CONDUCTOR POLARA ELECTRICAL CABLE
- C } 8-CONDUCTOR POLARA ELECTRICAL CABLE
- D } 8-CONDUCTOR POLARA ELECTRICAL CABLE
- E - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- F - 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 21, 2011

2 Redline Revision Dated October 11, 2011

**SHA** MDOT - SHA O.O.T.S.

S.H.A. Approval Date 10-12-11  
T.S. # 4796 T.I.M.S. # K647

**STTS**

STREET TRAFFIC STUDIES, LTD.

400 Crain Hwy, N.W.  
Crestview, MD 21115

Ph (410) 590-5500  
Fax (410) 590-6637

597961.dgn

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

US 219 (GARRETT HWY) @ UNO'S

DEEP CREEK LAKE, MD

**GENERAL INFORMATION SHEET**

SCALE NONE DATE 6/14/11 CONTRACT NO. XX4245185

DESIGNED BY R.R.Z. COUNTY GARRETT

DRAWN BY R.C. LOGMILE

CHECKED BY TMS NO. K645

F.A.P. NO. TOD NO.

TS NO. DRAWING NO. 2 OF 3 SHEET NO. OF

PLOTTED: #DATETIME# FILE: #FILE#

\\s010101\cvs\proj\proj\597961.dgn: 10/12/2011 10:15:11 AM