

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of two new Hazard Identification Beacons near the intersection of MD 2 and Friendship Rd / Sansbury Rd in Anne Arundel County. One beacon shall be located approximately 500' south of Sansbury Rd along MD 2 and the other shall be located approximately 600' north of Friendship Rd along MD 2. The beacons are being installed so as to warn drivers along MD 2 of an approaching intersection.

II. INTERSECTION OPERATION

- The Hazard Identification Beacons shall flash continuously 24 hours a day, 7 days a week.
- A 2-circuit flasher unit and time base unit shall be installed in a "G" type, pole mounted cabinet on each H.I.B.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

C. EQUIPMENT TO BE REMOVED

There are no signal materials to be removed for this project.

PHASING

The contact persons for District #5 are as follows:

Ms. Kim Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1003

Mr. Charles George
Assistant District Engineer - Maintenance
Phone: (410) 841-1002

Mr. John Mays
Assistant District Engineer - Utility
Phone: (410) 841-1005

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

The power company representative is:

The Hazard Identification Beacons shall flash continuously for 24 hours a day, 7 days a week.

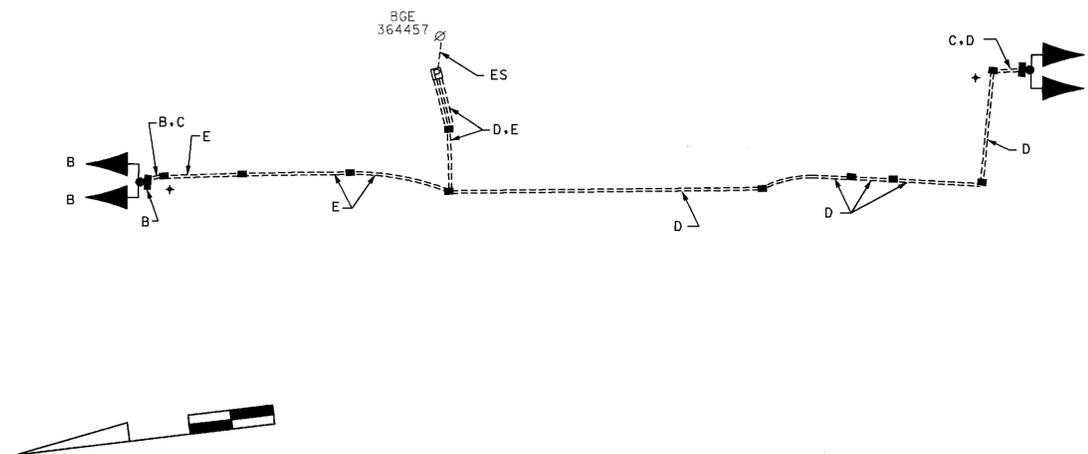
A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM NO.	DESCRIPTION	QUANTITY
9012	2-circuit flasher unit and time base unit with a dimmer switch	2 EA
9037	Cabinet "G" type - pole mount	2 EA

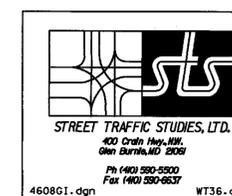
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	2 EA
2002	Test Pit Excavation	3 C.Y.
8011	Furnish and install 12" vehicular traffic signal head section	4 EA
8030	Furnish and install breakaway pedestal pole (20').	2 EA
8051	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - trenched.	1200 L.F.
8052	Furnish and install 4" schedule 80 rigid polyvinyl chloride conduit - bored.	275 L.F.
8057	Furnish and install concrete for signal foundation.	2.5 C.Y.
8060	Furnish and install No. 6 AWG stranded bare copper ground wire.	30 L.F.
8070	Furnish and install electrical cable 1-conductor No. 4 AWG THHN/THWN.	1545 L.F.
8072	Furnish and install electrical handhole.	10 EA
8078	Furnish and install connector kit - Type 1.	2 EA
8079	Furnish and install connector kit - Type 2.	2 EA
8080	Furnish and install ground rod - 3/4" x 10'.	2 EA
8084	Furnish and install electrical cable - 5 conductor (No. 14 AWG).	50 L.F.
8091	Furnish and install 2" schedule 80 rigid polyvinyl chloride - trenched.	80 L.F.
8092	Install controller and cabinet pole mount.	2 EA

WIRING DIAGRAM



WIRING KEY	
A }	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B }	3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
C -	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
D }	3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
ES-	EXISTING UNDERGROUND SERVICE BY BGE
+	GROUND ROD



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 AND FRIENDSHIP ROAD / SANSBURY ROAD

CHA #: AA287A56/PSA TOD #: XX10654-51

DRAWN BY: ROB CICCHINI	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY:	S.H.A. NO. XX1065485	4337-62	
SCALE: NONE	COUNTY: ANNE ARUNDEL	T.I.M.S. NO. G229	
DATE: 6-28-04	LOG MILE:		