

DRILL HOLES

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of an Intersection Control Beacon and street lighting at the intersection of MD 150 (Eastern Blvd) and Island Point Rd in Baltimore County. MD 150 (Eastern Blvd) is assumed to run in a east-west direction.

II. INTERSECTION OPERATION

- The intersection shall operate in a NEMA flashing operation mode. The MD 150 (Eastern Blvd) approaches shall continuously flash "Yellow". The Island Point Road approaches shall continuously flash "Red".
- A full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be installed at this intersection.

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) 787-7652 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.

The contact persons for District #4 are as follows:

Ms. Erin Kuhn
Assistant District Engineer - Traffic
Phone: (410) 321-2781

Mr. Steve Marciszewski
Assistant District Engineer - Maintenance
Phone: (410) 321-2761

Mr. Michael Pasquariello
District Engineer - Utility
Phone: (410) 321-2841

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

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

Mr. Sonny Bailey
Sign Shop
410-787-7676

The power company representative is:

Mr. Steve Schneider
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, MD 21076
410-859-9310

EQUIPMENT LIST

ITEM NO.	DESCRIPTION	QUANTITY
A. EQUIPMENT TO BE SUPPLIED BY S.H.A..		
9042	Controller ASC II with telemetry	1 EA
9044	Controller cabinet, size "6"	1 EA
9571	Sheet aluminum signs to consist of: (mast arm mount)	24 SF
	D3-2 "Island Point RD (arrow) / Island Point RD (arrow)" sign (dual faced) (variable x 16')	1 EA
	M95-1 (mod) "Eastern Blvd / WEST (arrow) / MD 150 / EAST (arrow)" sign (78"x24")	1 EA

EQUIPMENT LIST (cont.)

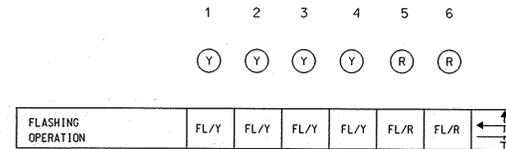
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2002	Test Pit Excavation	3 C.Y.
6004	4" concrete sidewalk.	60 S.F.
8001	12" LED signal head section.	6 EA
8007	Any size lighting arm on signal pole with 250 watt HPS lamp & luminaire.	1 EA
8024	Twin mast arm pole and 50' (cut to 38'/70' mast arms any "T" dimension).	1 EA
8034	Schedule 80 rigid PVC conduit up tp 4" - trenched.	170 L.F.
8033	Schedule 80 rigid PVC conduit up tp 4" - slotted.	130 L.F.
8038	Install overhead sign.	24 S.F.
8040	No. 6 AWG stranded bare copper ground wire.	140 L.F.
8042	Embedded Metered service pedestal.	1 EA
8044	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	40 L.F.
8046	Furnish and install electrical handhole.	4 EA
8051	Cut, clean, galvanize and cap traffic signal structure.	1 EA
8055	Electrical cable - 5 conductor (No. 14 AWG).	85 L.F.
8056	Electrical cable - 7 conductor (No. 14 AWG).	555 L.F.
8057	Electrical cable - 2 conductor (No. 12 AWG) tray cable.	170 L.F.
8064	Install controller and cabinet base mount.	1 EA

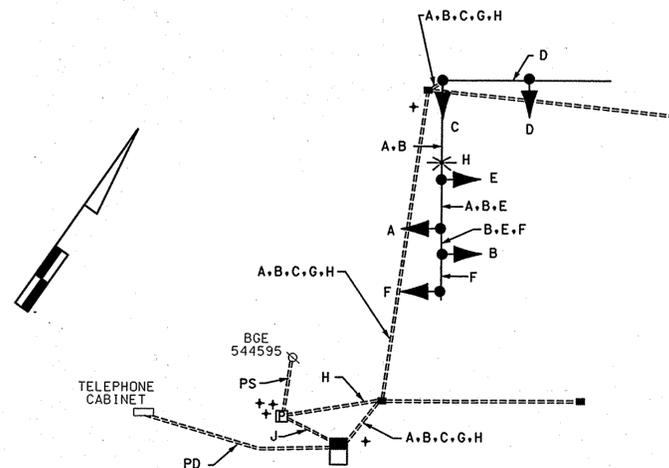
C. EQUIPMENT TO BE REMOVED

There is no equipment to be removed for this project.

PHASE CHART



WIRING DIAGRAM



WIRING KEY

A	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
D	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
E	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
F	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
G	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
H	2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)
J	3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
PD	PROPOSED PHONE DROP
PS	PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE
+	GROUND ROD

SHA NO: BA633A5A/B5A
TOD NO: AT912-14
MD150@ISLAND POINT RD

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 150 (EASTERN BLVD) AND ISLAND POINT ROAD
ESSEX, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 8-2-07 CONTRACT NO. AT9125185

DESIGNED BY JAMES W ALLEN COUNTY BALTIMORE
DRAWN BY RC LOGMILE 03015002.21
CHECKED BY TMS NO. 1326
F.A.P. NO. TOD NO.

TS NO. 459361 DRAWING NO. 2 OF 2 SHEET NO. OF

ST
STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., NW
Clen Burnell, MD 21024
PH (410) 590-0500
FX (410) 590-6537

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