

DRILL HOLES
BORDER REV. DATE: June 1, 2004
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PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of an Intersection Control Beacon at the intersection of MD 7 and Hospital Drive in Baltimore County, MD 7 is assumed to run in an east - west direction.

II. INTERSECTION OPERATION

- The intersection shall operate in a NEMA Flashing Operation mode. The MD 7 approaches shall continuously flash "Yellow". The Hospital Drive approach 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) 787-7650 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.
- Upon completion of this project, the Contractor shall notify Mr. Robert Snyder at (410) 787-7631 to arrange for the phone line installation. The Contractor is to provide Mr. Robert Snyder with the nearest street address, zip code and phone number.

The contact persons for District #4 are as follows:

Mr. Randall Soott
Assistant District Engineer - Traffic
Phone: (410) 321-2781

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

Mr. Michael Pasquariello
Assistant 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
410-787-7670

The power company representative is:

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

EQUIPMENT LIST (CONT.)

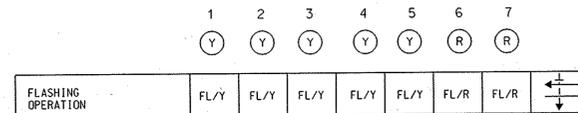
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2001	Class 2 excavation.	5 C.Y.
2002	Test Pit Excavation	5 C.Y.
5001	5" heat applied yellow permanent preformed thermoplastic pavement marking.	20 L.F.
8001	12" LED signal head section.	7 EA
8007	Any size lighting arm on signal pole with 250 watt HPS lamp & luminaire.	2 EA
8016	Mast arm pole and 38' mast arm any "T" dimension	1 EA
8016	Mast arm pole and 38' (cut to 34') mast arm any "T" dimension	1 EA
8019	Mast arm pole and 50' (cut to 34') mast arm any "T" dimension	1 EA
8034	Schedule 80 rigid PVC conduit up tp 4" - trenched.	275 L.F.
8035	Schedule 80 rigid PVC conduit up tp 4" - bored.	130 L.F.
8036	Wood sign supports up to 4"x6".	240 L.F.
8038	Install overhead mounted sign.	42.5 S.F.
8040	No. 6 AWG stranded bare copper ground wire.	200 L.F.
8042	Metered service pedestal embedded.	1 EA
8044	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	65 L.F.
8046	Furnish and install electrical handhole.	3 EA
8051	Cut, clean, galvanize and cap traffic signal structure.	2 EA
8055	Electrical cable - 5 conductor (No. 14 AWG).	465 L.F.
8056	Electrical cable - 7 conductor (No. 14 AWG).	75 L.F.
8057	Electrical cable - 2 conductor (No. 12 AWG) tray cable.	190 L.F.
8064	Install controller and cabinet base mount.	1 EA

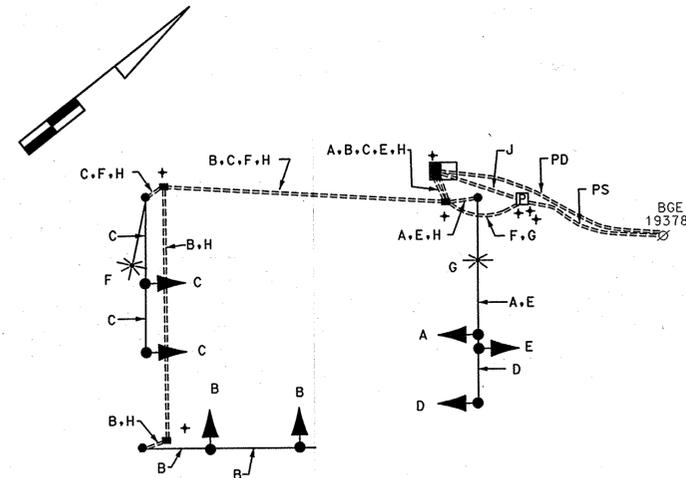
C. EQUIPMENT TO BE REMOVED

There is no signal 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	
F	2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)
G	2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)
H	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
J	3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
PS	PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE
PD	PROPOSED PHONE DROP
+	GROUND ROD

TOD NO: AT912-07
SHA No.: BA633A54/C54
MD 7 @ Hospital Drive

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
9042	Controller ASC II with telemetry	1 EA
9044	Controller cabinet, size "6"	1 EA
9571	Sheet aluminum signs to consist of: (mast arm)	42.5 SF
	D3-2 "Hospital Dr" sign, (variable x 16").	2 EA
	D3-2 "Philadelphia Rd" sign, (variable x 16").	2 EA
	M95-1(mod) "EAST (arrow)/ MD 7 / WEST (arrow)" sign, (78" x 24")	1 EA

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 7 AND HOSPITAL DRIVE

ROSSVILLE, MARYLAND

GENERAL INFORMATION SHEET			
SCALE	NONE	DATE	2/22/07
CONTRACT NO.	AT9125185		
DESIGNED BY	J.W.A.	COUNTY	BALTIMORE
DRAWN BY	R.C.	LOGMILE	03007003.74
CHECKED BY		TIMS NO.	H818
F.A.P. NO.		TOD NO.	
TS NO.	4560G1	DRAWING NO.	2 OF 2
SHEET NO.	OF		

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

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PLOTTED: #DATE#
FILE: #FILE#

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