

DRILL HOLES

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of an Hazzard Identification Beacon at the intersection of MD 331 (Dover Rd) and Black Dog Alley in Talbot County. MD 331 (Dover Rd) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- The intersection is to operate in a NEMA flashing mode. The MD 331 (Dover Rd) approaches shall operate in a flashing "Yellow" mode. The Black Dog Alley approach shall operate in a flashing "red" mode.
- 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 #2 are as follows:

Mr. Robert Kiel
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Terry Wright
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Assistant District Engineer - Utility
Phone: (410) 810-3275

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:

Bill Vorwald
Easton Electrical Co-Op
Phone: 410-822-6110

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)	43 SF
	D3-2 "Black Dog Alley (arrow) / sign, (variable x 16")	1 EA
	D3-2 "(arrow) Black Dog Alley" sign, (variable x 16")	1 EA
	M95-1 (Mod) "Dover Rd / SOUTH (arrow) MD 331 NORTH (arrow) sign (78"x40")	1 EA

EQUIPMENT LIST (CONT.)

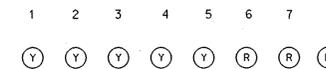
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2002	Test Pit Excavation	4 C.Y.
8001	12" LED (R.Y.G) signal head section.	8 EA
8019	Mast arm pole and 50' (cut to 44') mast arm any "T" dimension	1 EA
8022	Remove and dispose of existing material and equipment per assignment.	1 EA
8025	Twin mast arm pole and 50' (cut to 34')/50' (cut to 44') mast arms any "T" dimension.	1 EA
8034	Schedule 80 rigid PVC conduit up tp 4" - trenched.	155 L.F.
8035	Schedule 80 rigid PVC conduit up tp 4" - bored.	80 S.F.
8038	Install overhead or ground mounted sign (including hardware).	43 SF
8040	No. 6 AWG stranded bare copper ground wire.	205 L.F.
8042	Metered service pedestal embedded.	1 EA
8044	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	75 L.F.
8046	Furnish and install electrical handhole.	3 EA
8051	Cut, clean, galvanize and cap traffic signal structure.	3 EA
8055	Electrical cable - 5 conductor (No. 14 AWG).	90 L.F.
8056	Electrical cable - 7 conductor (No. 14 AWG).	845 L.F.
8064	Install controller and cabinet base mount.	1 EA

C. EQUIPMENT TO BE REMOVED*

All removed signal materials are to become property of the Contractor.

PHASE CHART

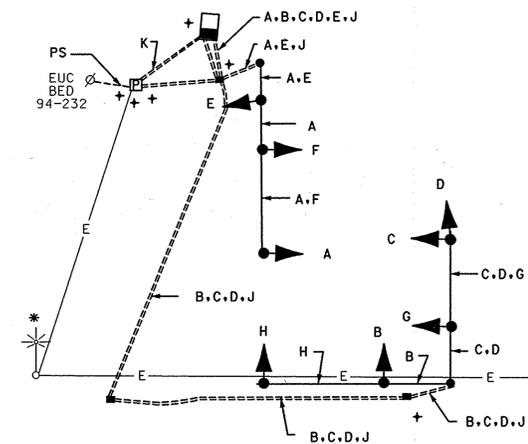


FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIGRAM

WIRING KEY

- 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- J - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- K - 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
- * - EXISTING LIGHTING CABLE (NOTE: IF EXISTING LIGHTING CABLE IS CONNECTED TO EXISTING UTILITY METER, THE CONTRACTOR SHALL CONNECT EXISTING LIGHTING CABLE TO NEW METER PEDESTAL)
- PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY EASTON CO-OP
- + - GROUND ROD



TOD NO: AT909-25M
SHA NO: TA458A53/B53
MD331@BLACK DOG ALLEY

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 331 (DOVER RD) AND BLACK DOG ALLEY

GENERAL INFORMATION SHEET

SCALE NONE DATE 10/15/07 CONTRACT NO. AT9095185

DESIGNED BY J W ALLEN COUNTY TALBOT
DRAWN BY R CICCHINI LOGMILE 20033101.81
CHECKED BY [Signature] TMS NO. 1392
F.A.P. NO. TOD NO.

TS NO. 4619 G1 DRAWING NO. 2 OF 2 SHEET NO. OF

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

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