

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 3 (Southbound) and MD 175 in Anne Arundel County. MD 3 (Southbound) is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- There will be no change to this intersection operation. The only change is to replace MD 3 (Southbound) pedestal mounted H.I.B. with an overhead H.I.B.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized 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.

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
9012	2-circuit flasher unit	1 EA
9037	Cabinet "6" type - pole mount	1 EA
9571	Sheet aluminum signs to consist of: (mast arm mount) W3-3 NEW "SIGNAL AHEAD" sign, (48" x 48") mast arm mounted with hardware.	16 SF 1 EA

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

Mr. Ed Rodenhizer
Signal Shop
(410) 787-7650

Mr. Sonny Bailey
Sign Shop
(410) 787-7670

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR..

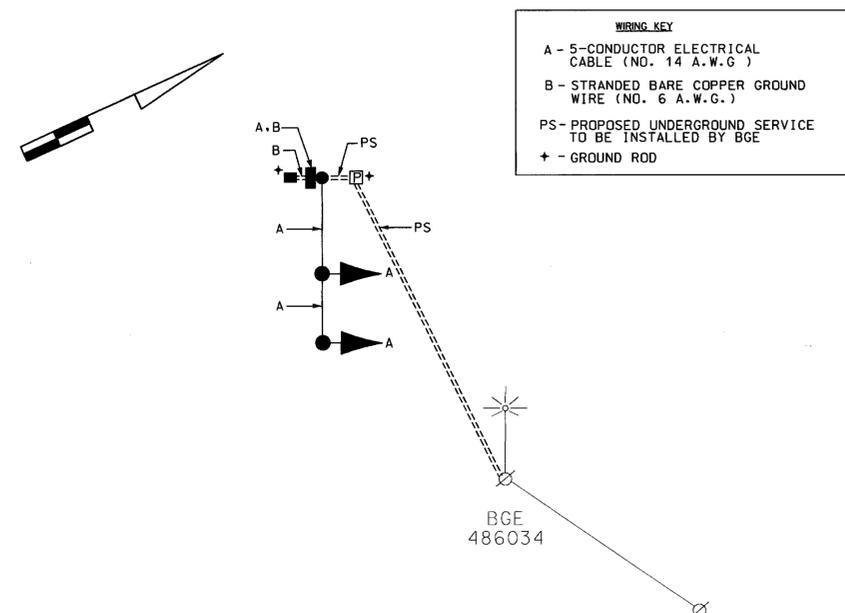
ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2002	Test Pit Excavation	1 C.Y.
8006	Cut, clean, galvanize and cap traffic signal structure.	1 EA
8011	Furnish and install 12" vehicular traffic signal head section	2 EA
8023	Furnish and install 27' mast arm pole and 60' mast arm.	1 EA
8047	Remove and dispose of existing foundation 12" below grade.	1 EA
8048	Remove and dispose of existing material and equipment per assignment.	1 EA
8051	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - trenched	10 L.F.
8052	Furnish and install 4" schedule 80 rigid polyvinyl chloride conduit - bored.	80 L.F.
8057	Furnish and install concrete for signal foundation.	5 C.Y.
8060	Furnish and install No. 6 AWG stranded bare copper ground wire.	10 L.F.
8069	Metered service pedestal.	1 EA
8070	Furnish and install electrical cable 1-conductor No. 4 AWG THHN/THWN.	30 L.F.
8072	Furnish and install electrical handhole.	1 EA
8075	Install overhead sign.	16 S.F.
8080	Furnish and install ground rod - 3/4" x 10'.	2 EA
8084	Furnish and install electrical cable - 5 conductor (No. 14 AWG).	65 L.F.
8091	Furnish and install 2" schedule 80 rigid polyvinyl chloride - trenched	10 L.F.
8092	Install controller and cabinet pole mount.	1 EA

C. EQUIPMENT TO BE REMOVED

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

THERE IS NO CHANGE TO INTERSECTION PHASING

WIRING DIAGRAM



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 3 (SOUTH BOUND) AND MD 175

DRAWN BY: J. ALLEN JR.	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY: J. ALLEN JR.	S.H.A. NO.	179 I	
SCALE: NONE	COUNTY: Anne Arundel	T.I.M.S. NO. 6407	
DATE: 8-18-04	LOG MILE: 02500305.65		