

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of Autoscope cameras along I-695 at two locations both north and south of Chesaco Avenue to warn approaching tractor trailers of an upcoming sharp curve. The cameras shall be wired into the existing base mounted-mounted cabinets and will trigger the existing HIB's to flash yellow upon detecting speeding trucks.

II. SPECIAL NOTE

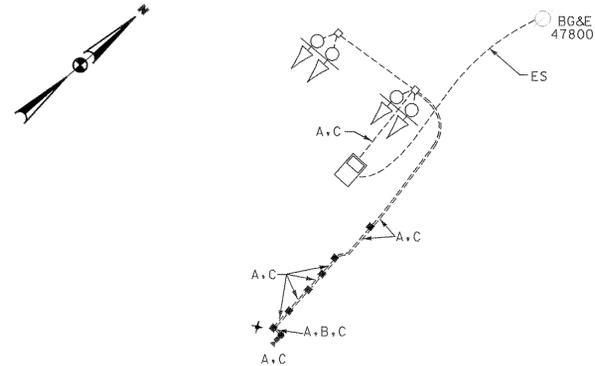
- The contractor shall be responsible for terminating all signal cables to the appropriate terminals and shall properly label each cable. The contractor shall contact Mr. Ed Rodenizer at 410-787-7650 of the MSHA Signal Shop 72 hours in advance of performing the work.

EQUIPMENT LIST

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
2001	Test pit excavation.	2 C.Y.
8001	Furnish and install concrete for signal foundation.	3 C.Y.
8004	Furnish and install 12" x 30' strain pole.	2 Each
8024	Furnish and install 2" schedule 80 rigid polyvinyl chloride - trenched	660 L.F.
8027	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - trenched	160 L.F.
8033	Furnish and install electrical handhole.	4 EA
8034	Furnish and install ground rod - 3/4" x 10'.	2 EA
8043	Furnish and install electrical cable - 3 conductor (No. 14 AWG).	1720 L.F.
8048	Furnish and install No. 6 AWG stranded bare copper ground wire.	60 L.F.
NEG.	Furnish and install electrical 8"x6"x4" junction box (See typical Sheet 3 of 4). All concrete removal/replacement shall be incidental to the junction box installation.	5 EA
NEG.	Furnish and install steel support bracket. (See typical Sheet 3 of 4)	1 EA
NEG.	Furnish and install 3" flexible tubing.	10 L.F.
NEG.	Furnish and install Autoscope with 1820' coaxial cable - pole top mounted	2 EA

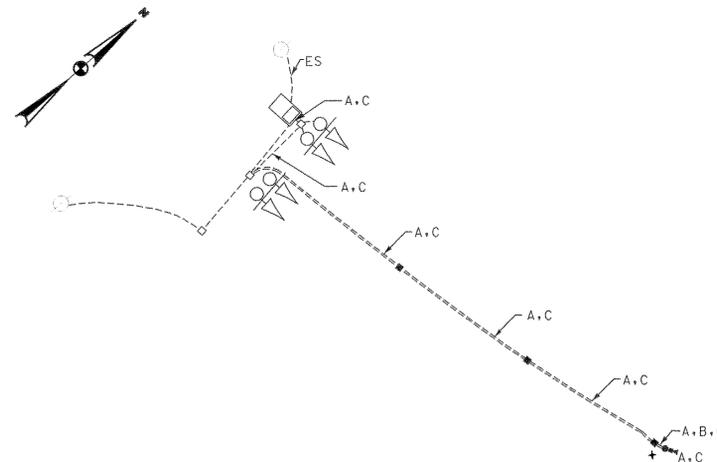
WIRING DIAGRAM
LOCATION #1 SOUTH OF CHESACO AVE



WIRING KEY

- A= 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B= 1 CONDUCTOR ELECTRICAL CABLE (NO. 6 AWG) STRANDED BARE COPPER GROUND WIRE
- C= COAXIAL CABLE (INCIDENTAL WITH PURCHASE OF CAMERA)
- ES= EXISTING UNDERGROUND POWER SERVICE BY BG&E

WIRING DIAGRAM
LOCATION #2 NORTH OF CHESACO AVE



WIRING KEY

- A= 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B= 1 CONDUCTOR ELECTRICAL CABLE (NO. 6 AWG) STRANDED BARE COPPER GROUND WIRE
- C= COAXIAL CABLE (INCIDENTAL WITH PURCHASE OF CAMERA)
- ES= EXISTING UNDERGROUND POWER SERVICE BY BG&E

<p>STREET TRAFFIC STUDIES, LTD. 400 Crain Hwy., N.W. Glen Burnie, MD 21061 Ph (410) 590-5500 Fax (410) 590-6637</p>	APPROVALS	REVISIONS	<p>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION I-695: CHESACO AVENUE PHASE 2 GENERAL INFORMATION</p>	
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION			SN2 G1.DGN
	ASST. DISTRICT ENGINEER, TRAFFIC			DRAWN BY: R.C. / R.R.Z.
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION			CHK. BY: <i>M. Rank</i>
DIRECTOR, OFFICE OF TRAFFIC & SAFETY		SCALE: N/A	<p>F.A.P. NO. S.H.A. NO. BA358A57/B57</p> <p>COUNTY BALTIMORE</p> <p>SHEET NO. 4 OF 4</p>	