

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of MD 65 (Sharpsburg Pike) and Col. Henry K. Douglas Drive in Washington County. The modification is necessary due to minor widening on the southwest quadrant of the intersection. MD 65 (Sharpsburg Pike) is assumed to run on a north-south direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA four-phase, fully-actuated mode, with the MD 65 (Sharpsburg Pike) approaches running concurrently. An Exclusive/Permissive left turn phase shall be remain in effect for the northbound approach of MD 65. A pedestrian phase with pushbutton actuation shall continue to operate across the north leg of MD 65. The Col. Henry Douglas Drive approach shall continue to run alone. The pedestrian phase across Col. Henry Douglas Drive shall continue to operate on recall.
- A full-traffic-actuated, eight-phase controller with three (3) two channel, rack mount loop detector amplifiers, with associated harnesses housed in a NEMA size "6" base-mounted cabinet shall continue to operate at this intersection. The two channel rack mount loop detector amplifiers shall be replaced by (2) four channel rack mount loop detector amplifiers.

III. SPECIAL NOTES

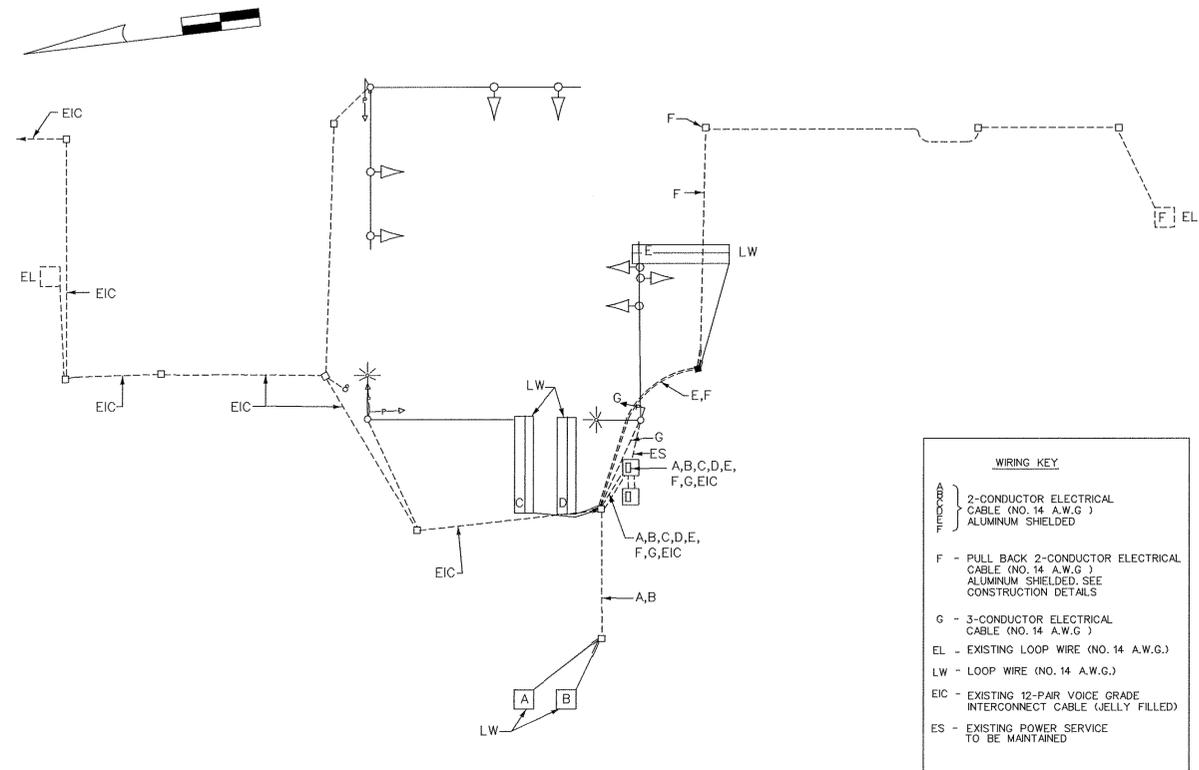
- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

EQUIPMENT LIST

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

SPEC. NUMBER	DESCRIPTION	QUANTITY
814	12", one-way, two-section (DW,W) symbolic pedestrian signal head with adjustable bracket for pole mounting and outaway visors.	1 EA
	12" white heat applied permanent preformed thermoplastic pavement marking	210 EA
	24" white heat applied permanent preformed thermoplastic pavement marking	40 L.F.
	Remove existing pavement markings	230 L.F.
815	Furnish and install saw cut for signal (loop detector).	460 L.F.
805	Furnish and install 1" liquid tight flexible non-metallic conduit for detector sleeve.	25 L.F.
805	Furnish and install 2" schedule 80 rigid polyvinyl chloride conduit - trenched	10 L.F.
805	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - trenched	70 L.F.
811	Furnish and install electrical handhole.	1 EA
810	Furnish and install loop wire encased in flexible tubing (No. 14 AWG).	1620 L.F.
810	Furnish and install electrical cable - 2 conductor (aluminum shielded).	165 L.F.
810	Furnish and install electrical cable - 3 conductor (No. 14 AWG).	55 L.F.
	Adjust existing handhole	2 EA
	Remove existing handhole	1 EA
822	Remove existing pedestrian signal head and pedestal pole.	1 EA
	Reroute existing loop wire.	160 L.F.
	Remove and dispose of existing conduit	75 L.F.

WIRING DIAGRAM



<p>STREET TRAFFIC STUDIES, LTD. Gateway International 1302 Concourse Drive, Suite 104 Linthicum, Maryland 21090 Ph (410) 859-3553 Fax (410) 859-3579</p>	<p>REVISIONS</p>		<p>APPROVALS</p>		<p>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION MD 65 AND COL. HENRY K. DOUGLAS DR.</p>		
			<p>ASST. CHIEF TEDD SECTION</p>				
			<p>ASST. DISTRICT ENGINEER, TRAFFIC</p>				
			<p>CHEF, TRAFFIC ENGINEERING DESIGN DIVISION</p>				
<p>7-15-99 REPLACE LOOPS - PED HEAD DUE TO WIDENING OF SIDE STREET SHA NO. BW 936M82</p>		<p>DIRECTOR, TRAFFIC & SAFETY</p>		<p>DRAWN BY: ROB CICCINI</p>	<p>COUNTY: WASHINGTON</p>	<p>TS NO. 3377A</p>	<p>SHEET NO. 2 OF 2</p>
				<p>CHECK BY: _____</p>	<p>LOG MILE: 21006510.25</p>	<p>T.I.M.S. NO. D-464</p>	
				<p>DATE: 7-14-99</p>	<p>F.A.P. NO. NH-G-70-1(201)29N</p>		
				<p>SCALE: NA</p>	<p>S.H.A. NO. W 893-501-672</p>		