

**PROJECT DESCRIPTION**

**I. GENERAL**

This portion of the project involves the modification of the existing traffic control signal at the intersection of MD 193 and Adelphi Road in Prince George's County, Maryland. MD 193 is considered to run in an east/west direction.

**II. INTERSECTION OPERATION**

The intersection is to continue to operate in a NEMA seven (7) phase, full-traffic-actuated mode. There are exclusive left turn phases for the east and westbound movements of MD 193. The MD 193 through movements operate concurrently. There is an exclusive left turn movement for southbound movement of Adelphi Road. The Adelphi Road through movements operate concurrently with an actuated pedestrian movement across the east leg of the intersection.

The existing cabinet and controller will be utilized.

**EQUIPMENT LIST**

A. Equipment to be furnished and/or installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
300	LF	815	Sawcut for signal loop detector.
900	LF	810	Loop detector wire (No. 14 A.W.G.) enclosed in flexible tubing.
25	LF	805	1 in. liquid tight flexible non-metallic conduit for loop detector sleeve.
2	EA	---	Micro-loop probe (set of 3) with 500 ft. lead-in cable.
1	EA	813	30 in. x 36 in R 3-5(L) sign with span wire mounting hardware.
60	LF	550	24 in. wide white HAPPTPM for stop line.
590	LF	550	12 in. wide white HAPPTPM for crosswalk.
Lump Sum	LS	---	As-built for S.H.A. (on CADD).

B. All removed materials is to become the property of the Contractor.

**CONTACT LIST**

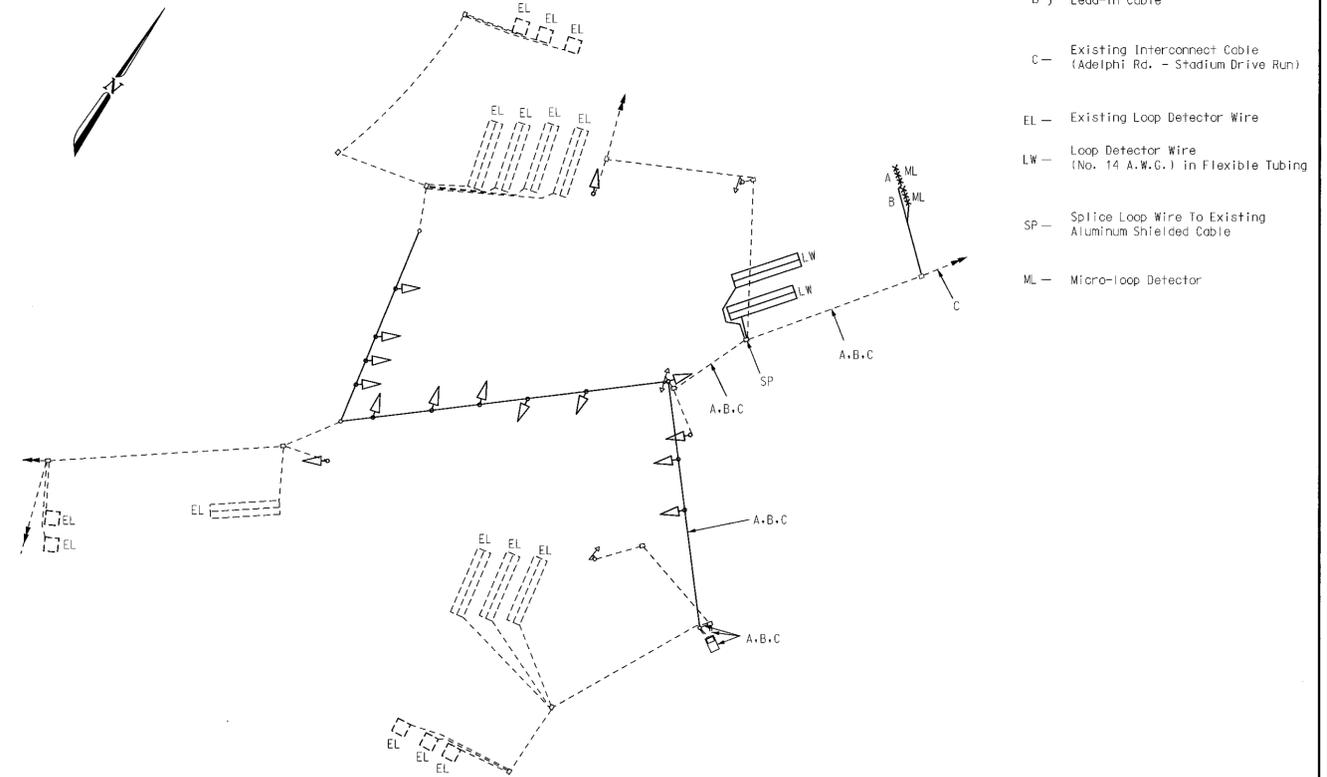
The contact persons for District #3 are as follows:

- Mr. Charlie Watkins  
District Engineer  
301-513-7313
- Mr. Majid Shakib  
Assistant District Engineer - Traffic  
301-513-7358
- Mr. Augie Rebish  
Assistant District Engineer - Utility  
301-513-7350
- Mr. Randy Brown  
Assistant District Engineer - Maintenance  
301-513-7304
- Mr. Richard L. Daff  
Chief, Traffic Operations Division  
410-787-7630

**Phase Chart**

	1,2	3,4	5-7	8,9	10,11	12,13	14,15	16-19
Phase 1 & 5	←R→	R	←G→	G	R	←R→	R	DW
1 Change	←R→	R	←Y→	G	R	←R→	R	DW
Phase 2 & 5	←R→	G	←R→	G	R	←R→	R	DW
5 Change	←R→	G	←R→	Y	R	←R→	R	DW
Phase 2 & 6	←G→	G	←R→	R	R	←R→	R	DW
2 & 6 Change	←Y→	Y	←R→	R	R	←R→	R	DW
Phase 3 & 8	←R→	R	←R→	R	R	←G→	G	DW
3 Change	←R→	R	←R→	R	R	←Y→	G	DW
Phase 4 & 8	←R→	R	←R→	R	G	←R→	G	DW
4 & 8 Change	←R→	R	←R→	R	Y	←R→	Y	DW
Phase All 4 & 8	←R→	R	←R→	R	G	←R→	G	WK
Fed Clearance	←R→	R	←R→	R	G	←R→	G	FL/DW
All 4 & 8 Change	←R→	R	←R→	R	Y	←R→	Y	DW
Flashing Operation	←FL/R→	FL/Y	←FL/R→	FL/Y	FL/R	←FL/R→	FL/R	DARK

**Wiring Diagram**



- A } Micro-loop Detector
- B } Lead-in Cable
- C - Existing Interconnect Cable (Adelphi Rd. - Stadium Drive Run)
- EL - Existing Loop Detector Wire
- LW - Loop Detector Wire (No. 14 A.W.G.) in Flexible Tubing
- SP - Splice Loop Wire To Existing Aluminum Shielded Cable
- ML - Micro-loop Detector

<p>Revision "E"</p> <p>The Traffic Group, Inc. 410-931-6600 Fax 410-931-6601</p>	<p>APPROVALS</p> <p>TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>DIRECTOR, TRAFFIC &amp; SAFETY</p>		<p><b>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION</b></p> <p><i>Office of Traffic &amp; Safety</i></p> <p><b>TRAFFIC ENGINEERING DESIGN DIVISION</b></p> <p>(General Information Plan)</p> <p><b>MD 193 (University Blvd. ) at Adelphi Road</b></p>		<p>DRAWN BY: Frank Hoeckel</p> <p>CHECKED BY:</p> <p>SCALE: N/A</p> <p>DATE: August 23, 2001</p>	<p>F.A.P. NO. N/A</p> <p>S.H.A. NO. BW996M82</p> <p>COUNTY: Prince George's</p> <p>LOG MILE: XXX</p>	<p>TS NO. 288E-GI</p> <p>T.I.M.S. NO. E-758</p>	<p>SHEET NO. 2 OF 7</p>
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