PROJECT DESCRIPTION

I. General

This project involves the modification of an existing traffic control signal in conjunction with geometric improvements at the intersection of US 29 (Georgia Avenue) and Wayne Avenue in Montgomery County, Maryland. Georgia Avenue is assumed to run in a East-West direction.

II. Intersection Operation

Existing phasing to remain.

III. Special Notes

1. Maintenance of traffic will be handled by the Contractor utilizing the following standard plates for traffic control: 104.00-13, 104.00-19, 104.00-21 - 104.00-24, 104.17-02, 104.39-02, 104.4-02, 104.41-02, 104.48-02, 104.49-02, 104.81-01

2. The following contact persons for District #3 are as follows:

Bobby Gonzales
Engineer III (Montgomery County)
Phone #(240) 777-8761

Mr. Raleigh Medley
Asst. District Engineer-Maintenance
Phone #(301) 513-7304

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone #(410) 787-7630

Mr. Lee Starkloff
Assistant District Engineer-Traffic
Phone #(301) 513-7358

Mr. Augustine Rebish
District Engineer-Utility
Phone #(301) 513-7350

Mr. Ed Rodenhizer
Signal Shop Supervisor
Phone #(410) 787-7652

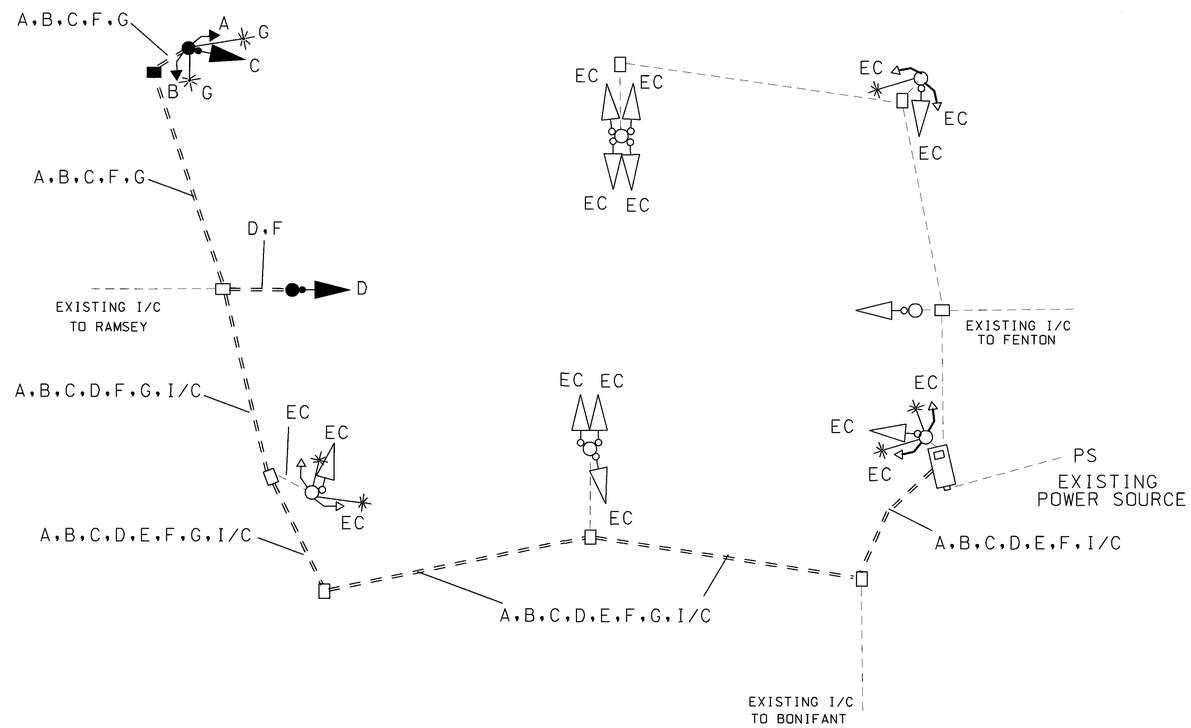
SHA Warehouse
7491 Connelly Drive
Hanover, MD 21076-1702

EQUIPMENT LIST

A EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
LS	LS	104	Maintenance of Traffic.
LS	LS	814	Mobilization.
2	CY	205	Test pit excavation.
60	LF	555	Furnish and install 24 in. white thermoplastic pavement marking tape.
270	LF	555	Furnish and install 12 in. white thermoplastic pavement marking tape.
4	CY	801	Furnish and install concrete for signal foundations.
50	LF	805	Furnish and install 4 in. schedule 80 rigid PVC conduit (bored).
20	LF	805	Furnish and install 3 in. schedule 80 rigid PVC conduit (trenched).
1	EA	SP	Furnish and install 30' steel traffic signal pole and shoe box luminaires. Paint pole brown per Montgomery County specifications.
1	EA	SP	Furnish and install 20' steel traffic signal pole. Paint pole brown per Montgomery County specifications.
700	LF	810	Furnish and install 5-conductor electrical cable (No. 14 AWG).
900	LF	810	Furnish and install 7-conductor electrical cable (No. 14 AWG).
500	LF	810	Furnish and install No. 6 AWG stranded bare copper ground wire.
500	LF	810	Furnish and install 2-conductor electrical tray cable (No. 12 AWG)
1	EA	804	Furnish and install ground rod-3/4 in. dia. X 10 foot length.
1	EA	811	Furnish and install electrical handhole.
2	EA	814	Furnish and install 12in. 1 way 3 section (R,Y,G) polycarbonate black-faced signal head - pole mount.
2	EA	814	Furnish and install 12in. 1 way 2 section (symbolic WALK/DON"T WALK) aluminum signal head black-faced, pole mount.
4	EA	823	Remove pedestrian and vehicle signal heads.
1	EA	822	Remove ground mounted signs.
600	LF	SP	Remove existing pavement markings.
2	EA	SP	Remove existing signal poles.

WIRING DIAGRAM



WIRING LEGEND

A,B	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) (FOR PEDS)
C,D,E	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
F	#6 BARE COPPER WIRE
PS	POWER SERVICE (EXISTING)
I/C	INTERCONNECT CABLE (EXISTING)
G	2-CONDUCTOR ELECTRICAL TRAY CABLE (NO. 12 AWG)
EC	EXISTING CONDUITS

WELLS & ASSOCIATES, LLC
TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS
1420 Spring Hill Rd., Suite 600
McLean, VA 22102
Phone: (703) 917-6620 Fax: (703)917-0739

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 29 (GEORGIA AVENUE) AND WAYNE AVENUE

DRAWN BY: WI/CA	F.A.P. NO.		TS NO. 4195	SHEET NO. 2 OF 2
CHECKED BY: CT	S.H.A. NO.	BW996M82		
SCALE: N.T.S.	COUNTY:	MONTGOMERY	T.I.M.S. NO. F-182	
DATE: 8-9-02	LOG MILE:	15002900-67		