

PROJECT DESCRIPTION

I. General
This project involves the modification of an existing traffic control signal in conjunction with geometric improvements at the intersection of Georgia Avenue (MD 97) and Spartan Road in Montgomery County, Maryland. Georgia Avenue is assumed to run in a North-South direction.

II. Intersection Operation
There is no change to the existing phasing operation.

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,
104.99-02, 104.4-02, 104.41-02, 104.49-02,
104.49-02, 104.81-01

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

Mr. Richard L. Daff, Sr. Mr. Robert Gonzales
Chief, Traffic Operations Design Division Engineer III (Montgomery County)
Phone # (410) 787-7630 Phone # (240) 777-8761

Mr. Raleigh Medley Mr. Augustine Rebish
Asst. District Engineer - Maintenance Asst. District Engineer - Utility
Phone # (301) 513-7304 Phone # (301) 513-7350

Mr. Lee Starkloff Mr. Ed Rodenhizer
District Engineer - Traffic Signal Shop Supervisor
Phone # (301) 513-7358 Phone # (410) 787-7652

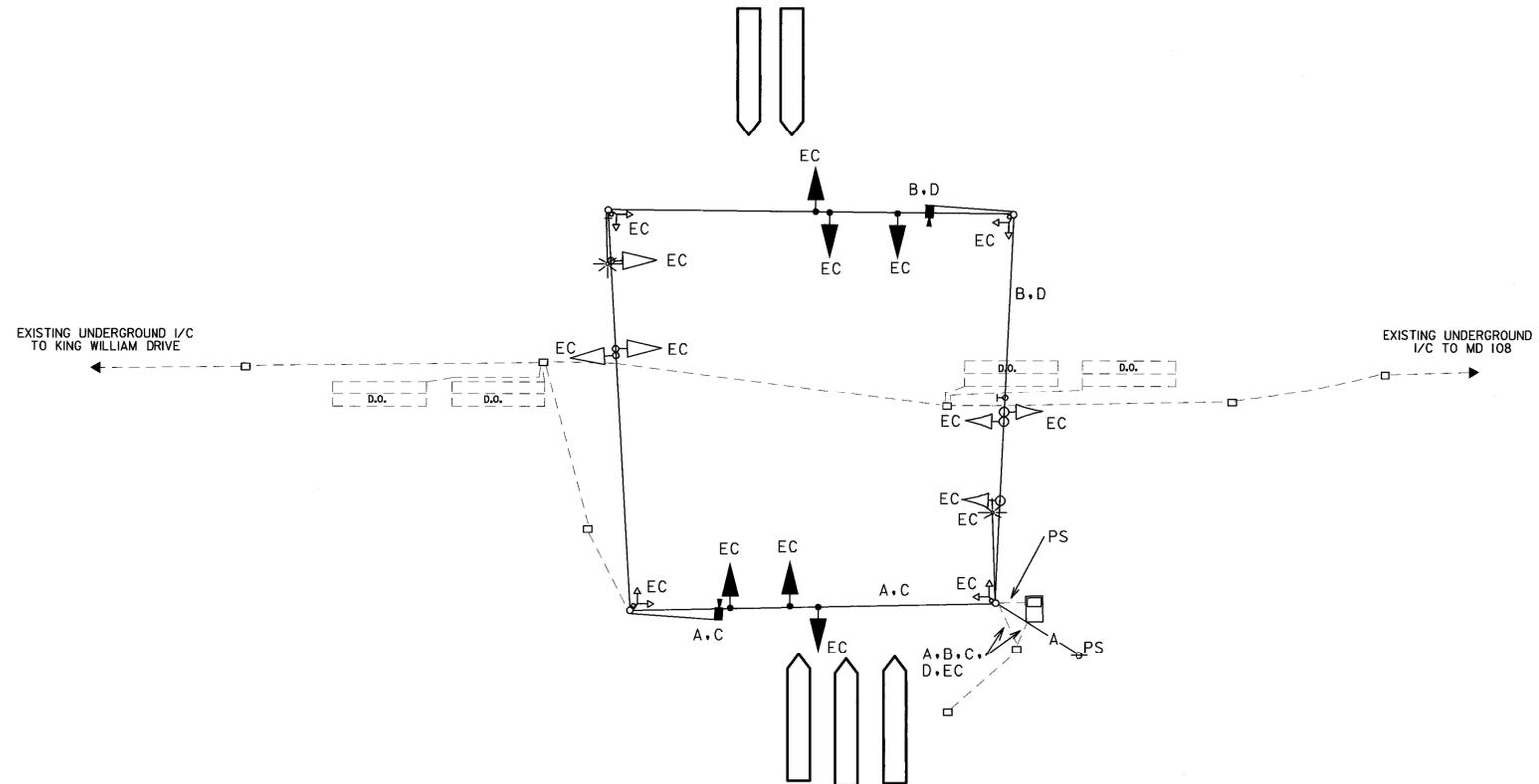
3. ALL DISCONNECTING AND CONNECTING OF TRAFFIC SIGNAL INTERCONNECT CABLE SHALL BE THE RESPONSIBILITY OF THE MONTGOMERY COUNTY DPW&T. CONTACT MR. ROBERT GONZALES AT (240) 777-8761 AT LEAST 72 HOURS PRIOR TO INITIATING ANY CONSTRUCTION WORK

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.
40	LF	549	Furnish and install 24 in. white heat applied thermoplastic pavement marking tape.
200	LF	549	Furnish and install double yellow (5in. mark, 4 in. space, 5 in. mark) heat applied thermoplastic pavement marking tape.
500	EA	549	Furnish and install 5 in. white heat applied thermoplastic pavement marking tape.
3	EA	549	Furnish and install white heat applied thermoplastic preformed pavement marking symbol.
22	EA	814	Furnish and install 12 in. 1-way, black-faced, vehicular signal head section.
LS	LS	SP	Remove and dispose of existing signal equipment.
2	EA	SP	Furnish and install video detection camera.
2	EA	SP	Furnish and install video interface equipment (coordinate installation with Montgomery County).
300	LF	SP	Furnish and install 4 conductor (No. 14 AWG) electrical cable (for video detector).
2	EA	SP	Furnish and install video cable (co-axle) to the controller(250' length).
50	SF	813	Furnish sheet aluminum signs consisting of: 3 EA R3-5L (30"x36") 2 EA R3-6 (30"x36") 1 EA R3-8 MOD. (30"x36")
5	EA	813	Furnish and install spanwire mounted sign.
1	EA	813	Furnish and install ground mounted sign.
3	EA	822	Remove existing span wire mounted sign.
600	SY	508	1 1/2" Milling existing asphalt
600	SY	505	1 1/2" Hot Mix Asphalt Pavement Overlay

WIRING DIAGRAM



WIRING LEGEND

A,B	4 CONDUCTOR (NO. 14 AWG) ELECTRICAL CABLE (VIDEO DETECTOR)
C,D	CO-AXLE CABLE (VIDEO DETECTOR)
EC	EXISTING CABLE
PS	EXISTING POWER SOURCE

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
170 Jennifer Rd., Suite 260
Annapolis, MD 21401
Phone: (301) 970-2402 Fax: (410) 266-9189

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL MODIFICATION PLAN
MD 97 (GEORGIA AVE.) & SPARTAN RD/ MORNINGWOOD DR.

DRAWN BY: <u>WT</u>	F.A.P. NO. <u>---</u>	TS NO. <u>2452E</u>	SHEET NO. <u>2 OF 2</u>
CHECKED BY: <u>CT</u>	S.H.A. NO. <u>---</u>	T.I.M.S. NO. <u>F248</u>	
SCALE: <u>NTS</u>	COUNTY: <u>MONTGOMERY</u>	LOG MILE: <u>15009711.70</u>	
DATE: <u>12/18/02</u>			