

PROJECT DESCRIPTION

PROJECT CONTACTS

I. General

This project involves the installation of an intersection control beacon signal at the intersection of MD 276 and Firetower RD/Camp Meeting Ground RD in Cecil County MD 276 is assumed to run in the north-south direction.

II. Intersection Operation

- The intersection shall operate as an intersection control beacon, flashing while operating, with the MD 276 approaches continuing to run concurrently. Firetower RD/Camp Meeting Ground RD shall have a stop condition.
- A full-traffic-actuated, controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be installed at this intersection.

III. Special Notes

- 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.

The contact persons are as follows:

Mr. Robert L. Kiel
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Terry D. Wright
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Assistant District Engineer - Utility
Phone: (410) 810-3275

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

Mr. Sonny Bailey
Supervisor Sign Operations
Phone: 410-787-7670

Mr. Ed Rodenhizer
Supervisor, Signal Operations
Phone: 410-787-7650

Mr. Hugh Grunden
Customer Engineer
Phone: 410-822-6110

EQUIPMENT LIST

A. Equipment to be Supplied by the Administration.

Item No.	Description	Unit	Quantity
9571	[UPDATED] SHEET ALUMINUM MAST ARM MOUNTED SIGN DUAL FACED D3-2 (VAR.x16") M95-1 (24" x 78")	SF	68
		EA	4
		EA	2
9042	[UPDATED] CONTROLLER ASC 11 WITH TELEMETRY	EA	1
9044	[UPDATED] CONTROLLER CABINET, SIZE 6	EA	1

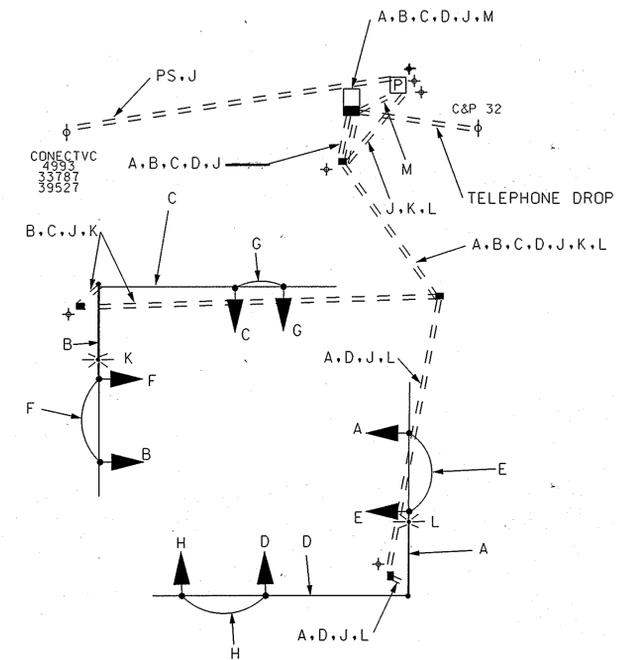
B. Equipment to be Furnished and/or installed by the Contractor

Item NO.	Description	Unit	Quantity
1001	MAINTENANCE OF TRAFFIC	EA	2
2002	TEST PIT EXCAVATION	CY	3
8001	12 INCH LED SIGNAL HEAD SECTION R Y G	EA	8
8007	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP AND LUMINAIRE	EA	2
8023	TWIN MAST ARM POLE AND 50 FOOT / 60 FOOT MAST ARMS ANY T DIMENSION	EA	1
8025	TWIN MAST ARM POLE AND 50 FOOT / 50 FOOT MAST ARMS ANY T DIMENSION	EA	1
8034	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED	LF	220
8035	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED	LF	195
8038	INSTALL OVERHEAD OR GROUND MOUNTED SIGN INCLUDING ALL HARDWARE	SF	68
8040	NO 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	300
8042	METERED SERVICE PEDESTAL EMBEDDED	EA	1
8044	ELECTRICAL CABLE 1 CONDUCTOR NO 4 AWG - THHN / THWN	LF	45
8046	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	4
8055	ELECTRICAL CABLE - 5 CONDUCTOR NO 14 AWG	LF	120
8056	ELECTRICAL CABLE - 7 CONDUCTOR NO 14 AWG	LF	1100
8057	ELECTRICAL CABLE - 2 CONDUCTOR NO 14 AWG TC	LF	350
8064	INSTALL CONTROLLER AND CABINET - BASE MOUNT	EA	1

PHASE CHART

	1	2	3	4	5	6	7	8
	(Y)	(Y)	(Y)	(Y)	(R)	(R)	(R)	(R)
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR

WIRING DIAGRAM



WIRING KEY

- A.B.C.D 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E.F.G.H 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- J 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- K.L 2 CONDUCTOR ELECTRICAL TRAY CABLE (NO. 12 AWG)
- M 3 WIRE 1 CONDUCTOR (NO. 4 AWG)
- PS POWER SERVICE UNDERGROUND
- + GROUND ROD

TOD NO: AT909-12
SHA No.: CE366A53/C53
MD 276 @ Firetower Road/Camp Meeting Ground Road

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 276 AT FIRETOWER RD/
CAMP MEETING GROUND RD**

GENERAL INFORMATION PLAN

SCALE 1"= 20'	DATE 11/14/06	CONTRACT NO. AT9095185
DESIGNED BY MWS/MAM	COUNTY CECIL	
DRAWN BY MWS	LOGMILE 07027603.11	
CHECKED BY RJM	T.I.M.S. NO. H396	
F.A.P. NO.	TOD NO.	
DRAWING TS NO. 4534 -	SHEET NO. 2 OF 2	

BAI

BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD SUITE 110
COLUMBIA, MARYLAND 21045
410-884-3607 410-884-3609(FAX)