

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION TO THE TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF MD 586 (VEIRS MILL ROAD) AT ASPEN HILL ROAD IN MONTGOMERY COUNTY.

INTERSECTION OPERATION

THE EXISTING MONTGOMERY COUNTY TYPE SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE USED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A SEMI-ACTUATED MODE USING 4 NEMA PHASES.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7318
MR. DENNIS MCMAHON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. BOBBY GONZALES, TRAFFIC ENGINEER - MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER
PHONE: (240) 777-8761

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: D-3(1) (VAR. X16") R3-4 (30"X30") R3-5L (30"X36") R3-5R (30"X36") R4-7 (24"X30") SHIELD ASSEMBLY SIGN (48"X75")	SF EA EA EA EA EA EA	92 2 1 2 1 1 1

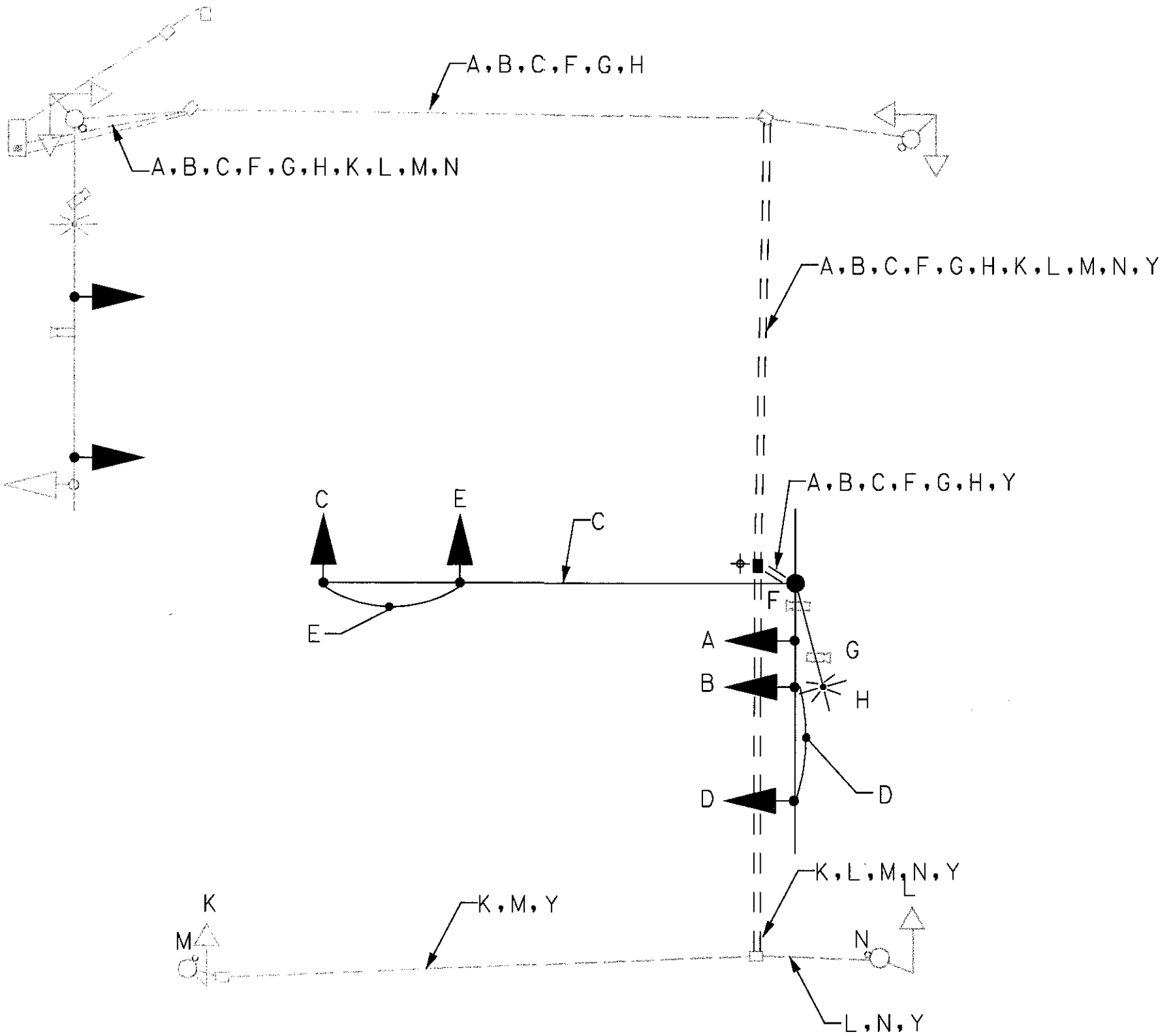
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
585462	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKING - ANY WIDTH	LF	200
114245	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING	LF	30
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
801004	CONCRETE FOR SIGNAL FOUNDATIONS	CY	5
813015	INSTALL OVERHEAD SIGN	SF	92
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	200
805135	3 INCH SCHED. 80 PVC CONDUIT-TRENCHED	LF	30
805155	4 INCH SCHED. 80 PVC CONDUIT-SLOTTED	LF	160
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	1
816010	CONTROL CABLE, 500 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
800000	STEEL POLE WITH TRIPLE 70 FOOT, 50 FOOT AND 38 FOOT MAST ARMS	EA	1
831010	250 WATT HPS LAMP AND LUMINAIRE WITH PHOTO CELL	EA	2
837001	GROUND ROD - 3 /4 INCH DIA. X 10 FOOT LENGTH	EA	1
860265	RELOCATE EXISTING SIGNAL HEAD	EA	2
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	14
861105	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	750
861106	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)	LF	750
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	80
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	1000
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	LF	350
866103	15 FT LIGHT ARM ON SIGNAL STRUCTURE	EA	1
800000	RELOCATE SIGN ON SIGNAL STRUCTURE	EA	2
800000	RELOCATE EXISTING VIDEO DETECTION CAMERA	EA	2
860292	CUT, CAP, CLEAN, AND GALVANIZE TRAFFIC SIGNAL STRUCTURE	EA	1

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

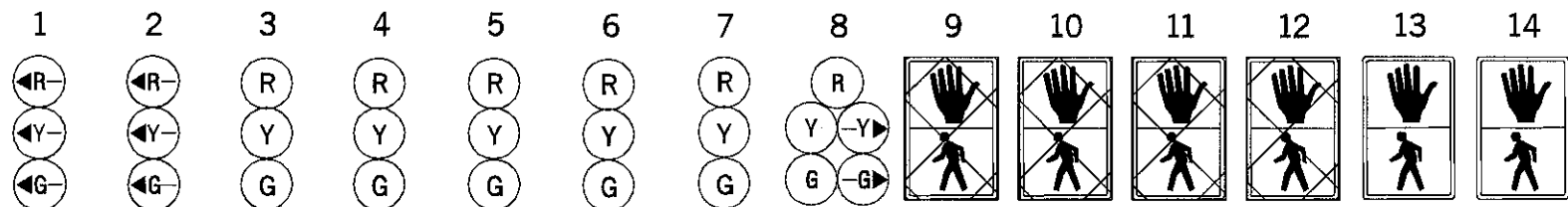
WIRING DIAGRAM



KEY

- A } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
B }
C }
D } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
E }
K } 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
L }
M } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
N }
H } 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
F }
G } VIDEO DETECTION CABLE (500 FT)
Y } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
PS } POWER SERVICE UNDERGROUND 3 WIRE 1 CONDUCTOR (NO. 4 AWG)
+ GROUND ROD

PHASE CHART



PHASE 1 AND 6	←G-	←G-	G	G	R	R	R	R/G→	B A G E D	B A G E D	B A G E D	B A G E D	DW	DW	
1 AND 6 CHANGE	←Y-	←Y-	G	G	R	R	R	R/Y→					DW	DW	
PHASE 2 AND 6	←R-	←R-	G	G	G	G	R	R					DW	DW	
2 AND 6 CHANGE	←R-	←R-	Y	Y	Y	Y	R	R					DW	DW	
PHASE 4	←R-	←R-	R	R	R	R	G	G	B A G E D	B A G E D	B A G E D	B A G E D	DW	DW	
4 CHANGE	←R-	←R-	R	R	R	R	Y	Y					DW	DW	
PHASE 4 ALT	←R-	←R-	R	R	R	R	G	G					WK	WK	
PED CLEARANCE	←R-	←R-	R	R	R	R	G	G					FL/DW	FL/DW	
4 ALT CHANGE	←R-	←R-	R	R	R	R	Y	Y	B A G E D	B A G E D	B A G E D	B A G E D	DW	DW	
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R					DARK	DARK	

TSP 8

ADDENDUM No. 1
05-2003
REPLACE THIS SHEET



SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
WWW.SABRA-WANG.COM



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
MD 586 AT ASPEN HILL ROAD
MOT PHASE 3A

DRAWN BY: SHAOJIA DU
CHECKED BY: KEITH RINKER
SCALE: NTS
DATE: FEBRUARY 2003

F.A.P. NO. SEE TITLE SHEET
S.H.A. NO. MO8165171
COUNTY: MONTGOMERY
LOG MILE: 15058601.97

TS NO. 4237A
T.I.M.S. NO. F213 X

SHEET NO. 63 OF 80