PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF US 29 AT BRIGGS CHANEY ROAD IN MONTGOMERY COUNTY.

INTERSECTION OPERATION

A SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION.
THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 4 NEMA PHASES.

SPECIAL NOTES

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

   MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER-TRAFFIC
   PHONE: (301) 513-7300
   MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER-MAINTENANCE
   PHONE: (301) 513-7300
   MR. DENNIS McMAHAN, ASSISTANT DISTRICT ENGINEER-CONSTRUCTION
   PHONE: (301) 513-7345
   MR. AUGIE REBISH, UTILITY ENGINEER
   PHONE: (301) 513-7300
   MR. RICHARD L. DAFF, Sr., CHIEF TRAFFIC OPERATIONS DIVISION
   PHONE: (410) 787-7630
   MR. BOBBY GONZALES, TRAFFIC ENGINEER MCDPW&T
   PHONE: (240) 777-2190

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE STANDARD PLATES FOR TRAFFIC CONTROL.

3. CONTACT MONTGOMERY COUNTY TMC AT LEAST 72 HOURS PRIOR TO ANY WORK TO LOCATE EXISTING EQUIPMENT.
   TMC - 240-777-2100

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:	SF	107
	D-3(1) (VAR. X 16") (DUAL FACE)	EA	4
	R3-2 (30"x36")	EA	1
	M95-1(MOD.) (108" X 36")	EA	1
	R10-11B(MOD.)(30"X30")	EA	2

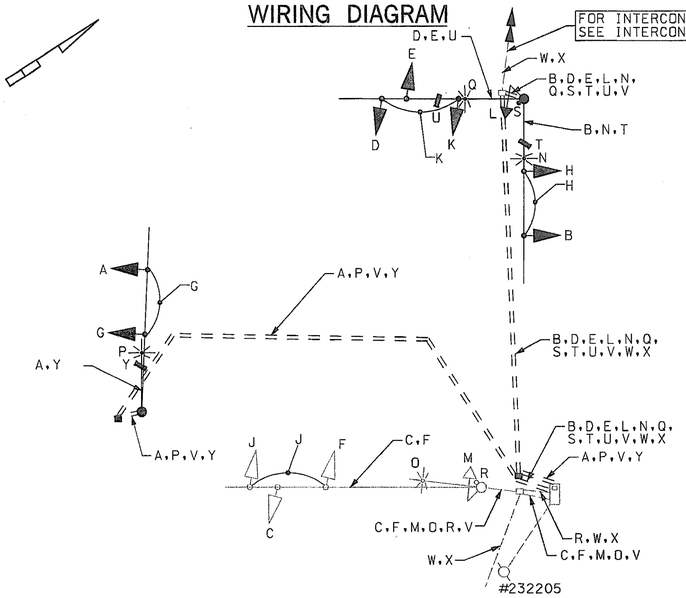
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
585448	12 INCH WHITE PERMANENT PREFORMED PAVEMENT MARKINGS	LF	210
585452	24 INCH WHITE PERMANENT PREFORMED PAVEMENT MARKINGS	LF	135
585462	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH	LF	217
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
800000	RELOCATE EXISTING VIDEO DETECTION CAMERA	EA	3
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	10
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	455
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	15
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	60
805155	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED	LF	360
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
813015	INSTALL OVERHEAD SIGN	SF	107
816005	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
816010	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
818036	STEEL POLE WITH A SINGLE 50 FOOT MAST ARM	EA	1
818050	STEEL POLE WITH TWIN 50 FOOT AND 60 FOOT MAST ARMS	EA	1
831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	EA	2
837001	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	1
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	21
860278	12 INCH PEDESTRIAN SIGNAL HEAD SECTION POLE MOUNT	EA	4
861105	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	215
861106	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)	LF	245
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	84
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	1235
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	LF	595
865001	PUSHBUTTON AND SIGN	EA	1
866103	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	EA	2

C. MATERIALS TO BE REMOVED BY MCDPTW&T

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY

WIRING DIAGRAM



KEY

A B C D E F	7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
G H J K	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
L M	3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
R S	2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
N O P	2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
T U Y	VIDEO DETECTION CABLE (500 FT LEAD IN CABLE)
W	12 PAIR JELLY FILLED INTERCONNECT
X	PAIR OF 12 PAIR CABLE (PRE-EMPTION CABLE)
V	1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
✦	GROUND ROD

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 AND 6	G	G	G	G	R	R	R	R	R	R	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 4 AND 8	R	R	R	R	G	G	G	G	G	G	DW	DW
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
PHASE 8 ALT	R	R	R	R	G	G	G	R	R	R	WK	WK
PED CLEARENCE	R	R	R	R	G	G	G	R	R	R	FL/DW	FL/DW
8 ALT CHANGE	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

FIRE HOUSE PRE-EMPTION

FIRE HOUSE PRE-EMPTION PHASE 4	R	R	R	R	R	R	R	G	G	G	DW	DW
PRE-EMPTION CLEARANCE	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 2 AND 6 NORMAL OPERATION	G	G	G	G	R	R	R	R	R	R	DW	DW

TSP 10

M.O.T. STAGE 1 /PHASE B

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TEMPORARY GENERAL INFORMATION PLAN
US 29 AT BRIGGS CHANEY ROAD
INTERCHANGE IMPROVEMENTS

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

DRAWN BY:	S. SMITH	F.A.P. NO.		TS NO. 1485 C	SHEET NO.
CHECKED BY:		S.H.A. NO.	M08685170		
SCALE:	NTS	COUNTY:	MONTGOMERY	T.I.M.S. NO. F-357	
DATE:	JANUARY, 2003	LOG MILE:	I5002908.31		123 OF 504

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