PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A PEDESTRIAN PUSHBUTTON ON THE NORTHEAST CORNER OF THE INTERSECTION ALONG WITH THE ACTIVATION OF BAGGED PEDESTRIAN SIGNALS AT BRIGGS CHANEY ROAD AND THE OFF / ON RAMPS TO US 29 RAMP IN MONTGOMERY COUNTY.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 4 NEMA PHASES WITH FIRE HOUSE PRE-EMPTION.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:
   MR. CEDRIC WARD, ASSISTANT DISTRICT ENGINEER-TRAFFIC
   PHONE: (301) 513-7300
   MR. VERNON STINNETT, ASSISTANT DISTRICT ENGINEER-MAINTENANCE
   PHONE: (301) 513-7304
   MR. KEVIN NOWAK, ASSISTANT DISTRICT ENGINEER-CONSTRUCTION
   PHONE: (301) 513-7385
   MR. VICTOR GRAFTON, UTILITY ENGINEER
   PHONE: (301) 513-7350
   MR. RICHARD L. DAFF, Sr., CHIEF TRAFFIC OPERATIONS DIVISION
   PHONE: (410) 787-7630
   MR. KAMAL HAMUD, TRAFFIC ENGINEER MCDPW&T
   PHONE: (240) 777-8761
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.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
NONE			

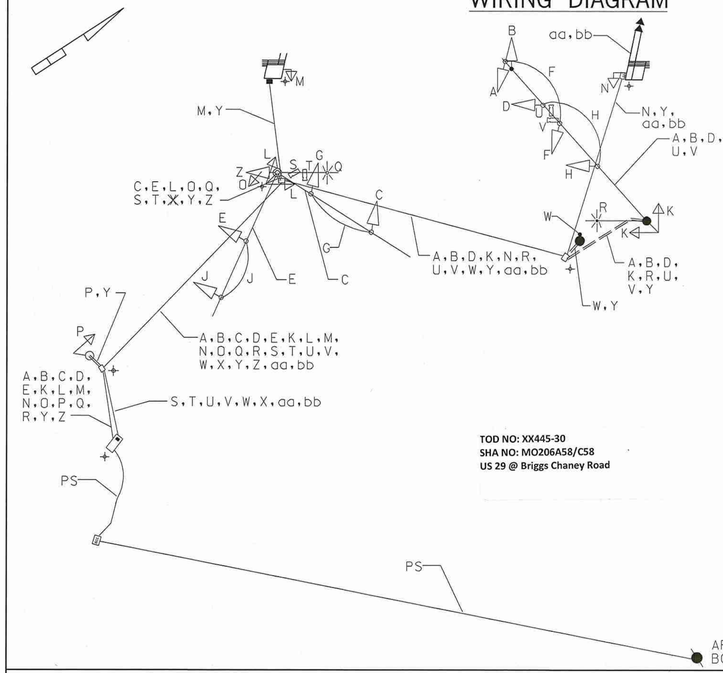
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY		DESCRIPTION
1003	1	EA	MAINTENANCE OF TRAFFIC
6002	150	SF	5 INCH CONCRETE SIDEWALK
8008	1	EA	BREAKAWAY PEDESTAL POLE ANY SIZE
8034	10	EA	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8038	20	LF	NO. 6 AWG STRANDED BARE COPPER WIRE
8054	240	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8061	1	EA	PUSHBUTTON AND SIGN
NEG.	6	EA	UNBAG AND AIM SIGNAL HEAD

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

ITEM	QUANTITY	DESCRIPTION
NONE		

WIRING DIAGRAM



TOD NO: XX445-30
SHA NO: MO206A58/C58
US 29 @ Briggs Chaney Road

KEY

A B C D E	7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
bb	7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) FOR FIREHOUSE PRE-EMPTION
F G H J K L Z	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
M N O P	3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) FOR PEDESTRIAN SIGNAL HEADS
W X	2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
Q R	2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
S T	VIDEO DETECTION CABLE (250 FT LEAD IN CABLE)
U V	VIDEO DETECTION CABLE (500 FT LEAD IN CABLE)
aa	12 PAIR JELLY FILLED INTERCONNECT (SEE INTERCONNECT PLAN)
Y	1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
PS	POWER SERVICE UNDERGROUND
+	GROUND ROD

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 2 AND 5	R	R	◂G/G-	◂G/G-	G	◂R-	◂R-	R	R	R	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	◂G/G-	◂G/G-	G	◂R-	◂R-	R	R	R	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
2 AND 5 CHANGE	R	R	◂Y/G-	◂Y/G-	G	◂R-	◂R-	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	◂R-	◂R-	R	R	R	DW	DW	WK	WK	WK	WK	WK	WK
PED CLEARANCE	G	G	G	G	G	◂R-	◂R-	R	R	R	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	FL/DW	FL/DW
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	Y	◂R-	◂R-	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	◂G-	◂G-	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	◂Y-	◂Y-	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	◂G-	◂G-	G	G	G	WK	WK	DW	DW	DW	DW	DW	DW
PED CLEARANCE	R	R	R	R	R	◂G-	◂G-	G	G	G	FL/DW	FL/DW	DW	DW	DW	DW	DW	DW
PHASE 4 CHANGE	R	R	R	R	R	◂Y-	◂Y-	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

FIRE HOUSE PRE-EMPTION

FIRE HOUSE PRE-EMPTION PHASE 2 AND 5	R	R	◂G/G-	◂G/G-	G	◂R-	◂R-	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPTION CHANGE	R	R	◂Y/G-	◂Y/G-	G	◂R-	◂R-	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6 NORMAL OPERATION	G	G	G	G	G	◂R-	◂R-	R	R	R	DW	DW	WK	WK	WK	WK	WK	WK

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

US 29 RAMP C & D AT BRIGGS CHANEY ROAD

DRAWN BY: J. HENKEL	F.A.P. NO. SEE TITLE SHEET	TS NO. 1485D	SHEET NO.
CHECKED BY: JJH	S.H.A. NO. XX4455185		
SCALE: NTS	COUNTY: MONTGOMERY	T.I.M.S. NO. K724	02 OF 02
DATE: 12/2010	LOG MILE: 15002907.64		

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DATE:13-Apr-10 4:49