PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE CONSTRUCTION OF A TEMPORARY SIGNAL AT THE INTERSECTION OF MD 355 AT MONTROSE ROAD/RANDOLPH ROAD IN MONTGOMERY COUNTY. MD 355 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

PEDESTRIAN OPERATION
PEDESTRIAN PHASES ACROSS THE EAST LEG WILL RUN CONCURRENTLY WITH NORTH / SOUTH MD 355. AN ALTERNATE PEDESTRIAN PHASE WILL BE PROVIDED ACROSS THE NORTH LEG.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A SEMI ACTUATED MODE USING SEVEN NEMA PHASES. AN EXCLUSIVE LEFT TURN PHASE WILL BE PROVIDED FOR NORTHBOUND 355. AN EXCLUSIVE LEFT TURN PHASE WILL BE PROVIDED FOR EASTBOUND AND WESTBOUND MONTROSE ROAD/RANDOLPH ROAD.

SPECIAL NOTES

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

   PROJECT CONTACTS:

   MR. JEFFREY WENTZ, ASSISTANT DISTRICT ENGINEER - TRAFFIC
   PHONE: (301) 513-7358
   MR. DUANE BERNDARD, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
   PHONE: (301) 513-7336
   MR. WAYNE A. MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
   PHONE: (301) 513-7304
   MR. AUGIE REBISH, UTILITY ENGINEER
   PHONE: (301) 513-7350
   MR. ROBERT SNYDER, SR. CHIEF TRAFFIC OPERATIONS DIVISION
   PHONE: (410) 787-7630

   MR. KAMAL HAMUD
   MONTGOMERY COUNTY
   240-777-8761

   MR. STEVE CUSTER
   PEPCO CUSTOMER DESIGN
   201 W. GUIDE DR.
   ROCKVILLE, MD 20850
   PHONE: (301) 548-4333

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: 104.00 - 30, 104.12 - 01, 104.13 - 01, 104.31 - 01, 104.32 - 01, 104.81- 02

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: R3-2 (30"X 36") SPAN WIRE MOUNT - 1 EACH D3-1(1) (96" X 16) SPAN WIRE MOUNT - 1 EACH (DUAL FACED) R10-4(1)(9"X12") POLE MOUNT SIGN TO READ "PUSH BUTTON TO CROSS ROCKVILLE PIKE" - 2 EACH ASSOCIATED SHIELD ASSEMBLY (30"X51") BAND TO POLE - 1 EACH ASSOCIATED SHIELD ASSEMBLY (48"X75") BAND TO POLE - 2 EACH	SF	85

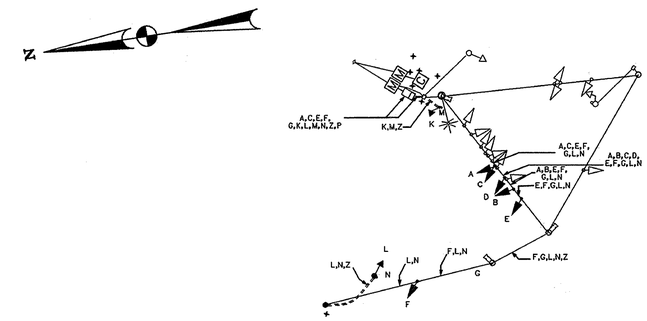
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
120500	MAINTENANCE OF TRAFFIC	LS	1
203030	TEST PIT EXCAVATION	CY	6
114035	12 INCH WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	600
114045	24 INCH WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING PAINT	LF	80
800000	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION POLE MOUNT	EA	4
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	100
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	100
813010	BAND SIGN TO SIGN SUPPORT	EA	3
801607	INSTALL SHEET ALUMINUM SIGN	SF	67
813015	INSTALL OVERHEAD SIGN	SF	18
818004	10 FOOT BREAKAWAY PEDESTAL POLE	EA	2
860284	12" VEHICULAR LED TRAFFIC SIGNAL HEAD SECTION (POLY CARBONATE)	EA	21
861105	ELECTRICAL CABLE -,2 CONDUCTOR (NO. 14 AWG)	LF	430
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	820
869102	STEEL SPAN WIRE - 3/8 INCH DIAMETER	LF	150
833062	4 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT, SCHEDULE 80 RISER	LF	20
869101	STEEL SPAN WIRE - 1/4 INCH DIAMETER	LF	150
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	1
837001	GROUND ROD - 3/4 INCH DIAMETER X 10-FOOT LENGTH	EA	1

KEY

A,B,C,D, E,F,K,L	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
Z	1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
	GROUND ROD

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PHASE 2 AND 5	◄-	◄-	G	G	R	R	◄-	◄-	◄-	R	R	◄-	◄-	R	R	WK	WK	DW	DW
PHASE 2 AND 5 CHANGE	◄Y-	◄Y-	G	G	R	R	◄-	◄-	◄-	R	R	◄-	◄-	R	R	WK	WK	DW	DW
PHASE 2 AND 6	◄-	◄-	G	G	G	G	◄-	◄-	◄-	R	R	◄-	◄-	R	R	WK	WK	DW	DW
PEDESTRIAN CLEARANCE	◄-	◄-	G	G	G	G	◄-	◄-	◄-	R	R	◄-	◄-	R	R	FL/ DW	FL/ DW	DW	DW
PHASE 2 AND 6 CHANGE	◄-	◄-	Y	Y	Y	Y	◄-	◄-	◄-	R	R	◄-	◄-	R	R	DW	DW	DW	DW
PHASE 3 AND 7	◄-	◄-	R	R	R	R	◄G-	◄G-	◄G-	R	R	◄G-	◄G-	R	R	DW	DW	DW	DW
3 AND 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 & 8 OR 4 & 7 OR 4 & 8																		
PHASE 3 & 8	◄-	◄-	R	R	R	R	◄-	◄-	◄-	R	R	◄G-	◄G-	G	G	DW	DW	DW	DW
3 AND 8 CHANGE	◄-	◄-	R	R	R	R	◄-	◄-	◄-	R	R	◄Y-	◄Y-	Y	Y	DW	DW	DW	DW
PHASE 4 AND 7	◄-	◄-	R	R	R	R	◄G-	◄G-	◄G-	G	G	◄-	◄-	R	R	DW	DW	DW	DW
4 AND 7 CHANGE	◄-	◄-	R	R	R	R	◄Y-	◄Y-	◄Y-	G	G	◄-	◄-	R	R	DW	DW	DW	DW
PHASE 4 AND 8	◄-	◄-	R	R	R	R	◄-	◄-	◄-	G	G	◄-	◄-	G	G	DW	DW	DW	DW
4 AND 8 CHANGE	◄-	◄-	R	R	R	R	◄-	◄-	◄-	Y	Y	◄-	◄-	Y	Y	DW	DW	DW	DW
4 AND 8 ALT	◄-	◄-	R	R	R	R	◄-	◄-	◄-	G	G	◄-	◄-	G	G	DW	DW	WK	WK
PED CLEARANCE	◄-	◄-	R	R	R	R	◄-	◄-	◄-	G	G	◄-	◄-	G	G	DW	DW	FL/ DW	FL/ DW
4 AND 8 ALT CHANGE	◄-	◄-	R	R	R	R	◄-	◄-	◄-	Y	Y	◄-	◄-	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/◄R-	FL/◄R-	FL/Y	FL/Y	FL/Y	FL/Y	FL/◄R-	FL/◄R-	FL/◄R-	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DW	DW	DW	DW

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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 AT MONTROSE RD / RANDOLPH RD

PHASE 1, STAGE 3

GENERAL INFORMATION SHEET

SCALE ____ DATE ____ CONTRACT NO. M08305171

DESIGNED BY AMH
DRAWN BY AF
CHECKED BY JFL
FAP NO. AC-STP-HP-1334(001)E
COUNTY MONTGOMERY
LOGMILE 6.0-7.0
TIMS NO.
TOD NO.

TS NO. 2692C | DRAWING SP-4 OF 5 | SHEET NO. 4 OF 5

PLOTTED: "10:06 AM on Tuesday, July 22, 2008"
FILE: M:\2007\0107070.db\drawings\pSG-N1301_MD355.dgn
BY: Aaron Hottenstein Division: 0101 Transportation