

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF HAZARD IDENTIFICATION BEACONS FOR THE PEDESTRIAN CROSSING ON MD 586 NEAR CLARIDGE ROAD IN MONTGOMERY COUNTY. THE HAZARD IDENTIFICATION BEACON WILL BE ACTIVATED BY PEDESTRIAN PUSHBUTTONS LOCATED ON BOTH SIDES OF MD 586 AND IN THE MEDIAN AREA. MD 586 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE MD 586 CROSSWALK HAZARD IDENTIFICATION BEACON WILL INCLUDE ONE PUSHBUTTON ACTIVATED FLASH ONLY PHASE.

CONTROLLER REQUIREMENTS

A FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE FURNISH BY SHA AND INSTALLED BY THE CONTRACTOR. A MODEL X CENTRAL CONTROL UNIT SHALL BE FURNISHED BY THE CONTRACTOR & INSTALLED BY SHA.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410)787-7631 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

THE CONTRACTOR SHALL NOTIFY MR. KAMAL HAMUD OF MONTGOMERY COUNTY AT (240)777-8761, 72 HOURS IN ADVANCE OF ALL WORK.

CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. CEDRIC WARD ASSISTANT DISTRICT ENGINEER-TRAFFIC PHONE: (301) 513-7318
 MR. KEVIN NOWAK ASSISTANT DISTRICT ENGINEER - CONSTRUCTION (301) 513-7336

MR. VERNON STINNETT ASSISTANT DISTRICT ENGINEER - MAINTENANCE (301) 513-7304

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410)787-7630
 MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF TRAFFIC OPERATIONS (410)787-7630

MR. ED RODENHIZER CHIEF, SIGNAL OPERATIONS (410)787-7650
 MR. EUGENE BAILEY CHIEF, SIGN OPERATIONS (410)787-7676

SPECIAL NOTE

APS WILL FUNCTION AS FOLLOWS:
 TO CROSS VEIRS MILL ROAD:

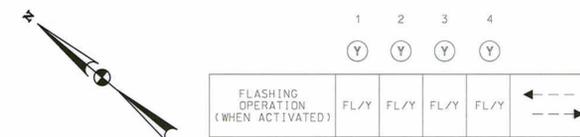
A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON THE PUSHBUTTON UNIT MESSAGE WILL BE "YELLOW FLASHING LIGHTS ACTIVATED FOR VEIRS MILL ROAD. WATCH FOR TRAFFIC. USE CAUTION."

EQUIPMENT LIST "A,B & C"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA		UNIT	QUANTITY
9042	CONTROLLER ASC II WITH TELEMETRY	EA	1
9044	CONTROLLER CABINET, SIZE 6	EA	1
9570	SHEET ALUMINUM SIGNS - GROUND MOUNTED	SF	80
	2 - M6-2(R) (30"x24") FY		
	2 - M6-2(L) (30"x24") FY		
	4 - W11-2 (36"x36") FY		
	2 - R4-7 (24"x30")		
	1 - R3-4 (36"x36")		
	2 - OM1-3 (18"x18") FY		
9571	SHEET ALUMINUM SIGNS - MAST ARM/POLE MOUNTED	SF	46
	3 - R10-4 MOD (9"x12")		
	2 - W11-2 (48"x48") FY		
	1 - W2-2 (30"x30") FY		
	1 - D3-2 (60"x12") FY		
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR		UNIT	QUANTITY
1003	MAINTENANCE OF TRAFFIC	EA	2
2001	CLASS 2 EXCAVATION	CY	4
2002	TEST PIT EXCAVATION	CY	5
5003	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING	LF	650
5004	F & I 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	LF	460
6001	F & I STANDARD TYPE A COMBINATION CURB AND GUTTER 12" GUTTER PAN 8" DEPTH	LF	172
6002	F & I 5" CONCRETE SIDEWALK	SF	434
6003	F & I DETECTABLE WARNING SURFACE FOR CURB RAMPS	SF	65
6004	F & I TRAFFIC BARRIER W BEAM USING 6' POST	LF	500
6005	F & I TYPE C TRAFFIC BARRIER END TREATMENT	EA	3
6006	F & I TYPE K TRAFFIC BARRIER END TREATMENT, ANY OPTION	EA	3
6007	F & I W BEAM BARRIER REFLECTIVE DELINEATORS	EA	6
8001	F & I 12" LED SIGNAL HEAD	EA	4
8009	F & I BREAKAWAY PEDESTAL POLE (ANY SIZE)	EA	3
8012	F & I EMBEDDED METERED SERVICE PEDESTAL	EA	1
8020	F & I MAST ARM POLE & 60' MAST ARM ANY 'T' DIMENSION	EA	2
8024	REMOVE & DISPOSE OF EQUIPMENT	EA	1
8034	F & I UP TO 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	110
8036	F & I UP TO 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	930
8037	F & I WOOD SIGN SUPPORTS UP TO 4' X 6'	LF	135
8038	INSTALL OVERHEAD OR GROUND MOUNTED SIGN	SF	126
8040	F & I NO.6 AWG STRANDED BARE COPPER GROUND WIRE	LF	1100
8043	F & I ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN	LF	100
8044	F & I ELECTRICAL HANDHOLE	EA	7
8049	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	5
8053	F & I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	1100
8061	INSTALL CONTROLLER AND CABINET - BASE MOUNT	EA	1
8062	F & I 1-CONDUCTOR ELECTRICAL CABLE, NO. 2 AWG THHN	LF	150
8063	F & I STANDARD NON-AUDIBLE PEDESTRIAN PUSHBUTTON	EA	3
8076-A	POLARA MODEL X CONTROL UNIT	EA	1
8077-A	POLARA PUSHBUTTON STATION WITH 350' OF CABLE	EA	3

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

PHASING CHART

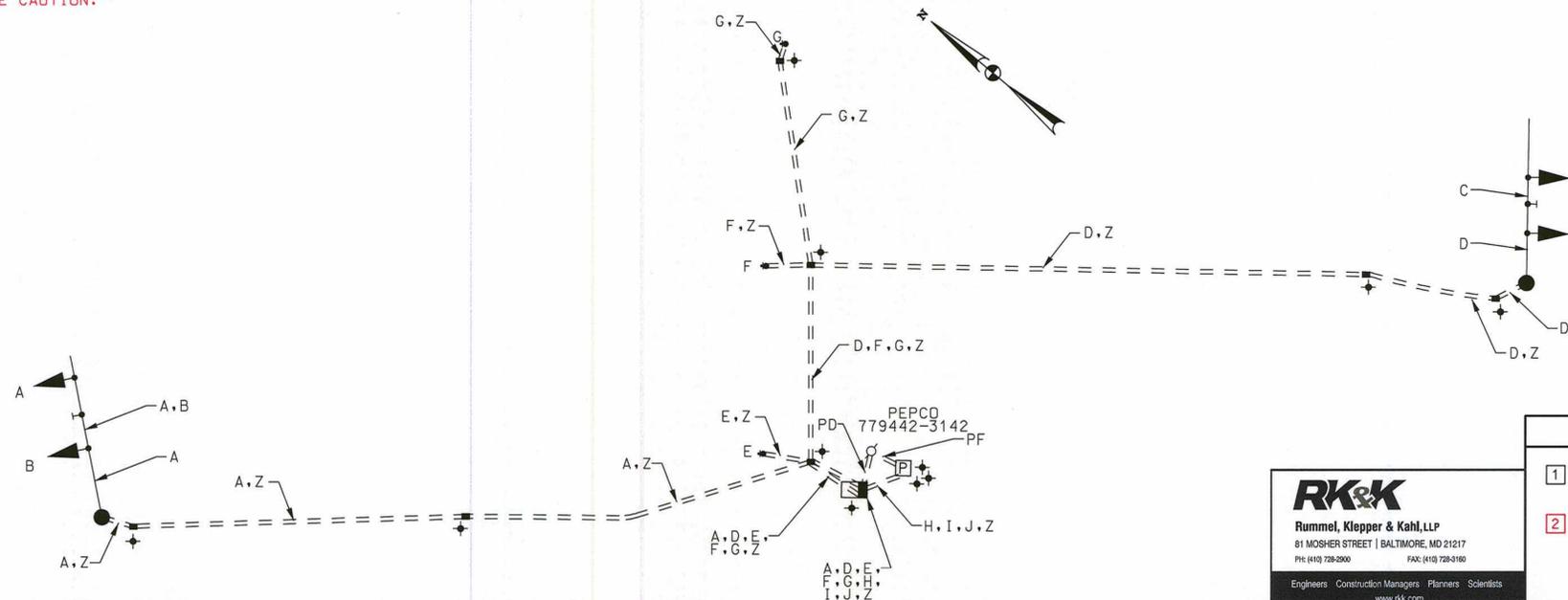


GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
- ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM 60"x60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN 2%.
- PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA, DOES NOT HAVE TO REACH MORE THAN 18".

WIRING KEY

A,B,C,D	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
E,F,G	1-CONDUCTOR ELECTRICAL CABLE (NO. 8 AWG)
H,I,J	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
Z	UNDERGROUND POWER FEED 3 - NO. 2 AWG CABLES FINAL CONNECTION BY PEPCO PROVIDE 30' OF SLACK CABLE AT THE POLE BASE
PF	PHONE DROP BY VERIZON
PD	GROUND ROD
E,F,G	POLARA MODEL X LEAD IN CABLE (INCIDENTAL TO PUSHBUTTON)



SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION
 MD 586 PED CROSSING NEAR CLARIDGE ROAD SILVER SPRING, MARYLAND

REVISIONS		GENERAL INFORMATION SHEET	
1	REDLINE NO. 1 03/01/2011 UPDATE QUANTITIES	SCALE	NONE
2	REDLINE NO. 2 09/22/2011 UPDATE QUANTITIES	DATE	JANUARY 2011
		CONTRACT NO.	XX3545168
		DESIGNED BY	BJG
		COUNTY	MONTGOMERY
		DRAWN BY	AMR
		LOGMILE	I5058604.40
		CHECKED BY	BLB
		TIMS NO.	K508
		FAP NO.	
		TOD NO.	
TS NO.	4763-GI	DRAWING	SP-2 OF 2
SHEET NO.	2	OF	5

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BY: BJJ