

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF APS AND SIGNS AT THE INTERSECTION OF MD 166 (ROLLING ROAD) AT CAMPUS DR AND VALLEY RD. MD 166 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EQUIPMENT LIST "A, B & C"

PHASING CHART

NO PHASING CHANGES

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SEVEN-PHASE FULL-TRAFFIC-ACTUATED MODE WITH AN ALTERNATE PEDESTRIAN PHASE FOR THE NORTH LEG AND CONCURRENT PEDESTRIAN PHASE FOR THE WEST LEG OF THE INTERSECTION. THE MD 166 LEFT TURNS AND CAMPUS DRIVE LEFT TURN WILL OPERATE WITH EXCLUSIVE-PERMISSIVE PHASING.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT-PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN. A 2-WIRE APS CENTRAL CONTROL UNIT SHALL BE FURNISHED BY THE CONTRACTOR AND INSTALLED BY SHA.

SPECIAL NOTES

APS WILL FUNCTION AS FOLLOWS:

TO CROSS MD 166 (ROLLING ROAD):

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT MESSAGE WILL BE "WAIT TO CROSS ROLLING AT CAMPUS AND VALLEY. WAIT."
- B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

TO CROSS CAMPUS DRIVE:

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT MESSAGE WILL BE "WAIT TO CROSS CAMPUS AT ROLLING. WAIT."
- B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

A. EQUIPMENT TO BE SUPPLIED BY SHA.

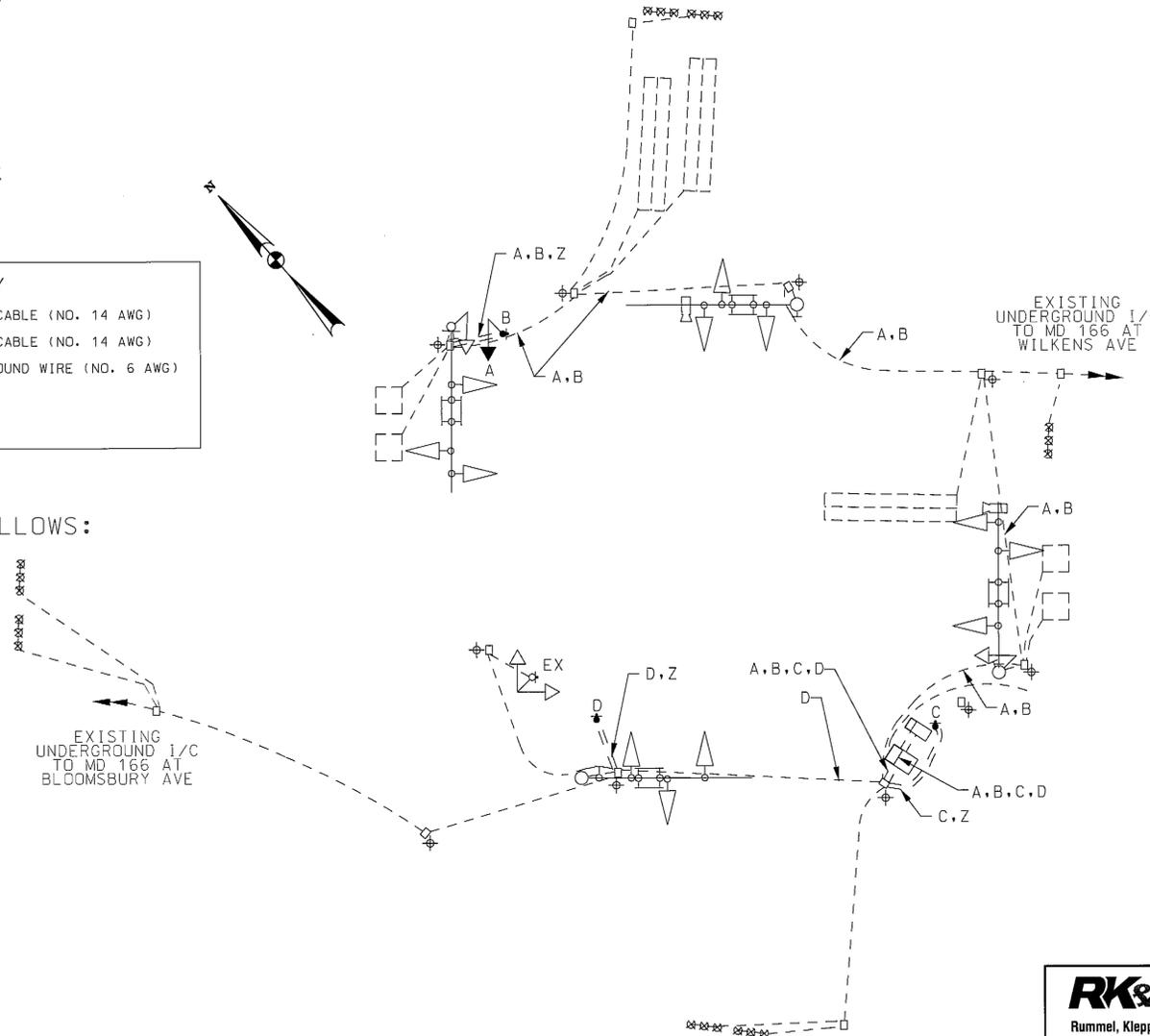
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
9750	SHEET ALUMINUM GROUND MOUNTED SIGN 2 - W11-2 FY (36"X36") 2 - M6-2(1) FY (30"X24")	SF	28
9751	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN 4 - R10-3(1) (9"X15")	SF	4

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

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
5005	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	LF	90
8001	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE - ANY SIZE	EA	3
8002	FURNISH AND INSTALL LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	1
8003	FURNISH AND INSTALL AUDIBLE / TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS	EA	4
8004	REMOVE AND DISPOSE PER ASSIGNMENT	EA	1
8005	4 INCH SCHEDULE 80PVC - SLOTTED OR BORED	LF	15
8007	FURNISH AND INSTALL UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	35
8008	WOOD SIGN SUPPORTS 4 INCH X 4 INCH	LF	68
8010	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	60
8013	INSTALL GROUND MOUNTED SIGN	SF	32
8017	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	2
8018	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	440
8019	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	310

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

WIRING KEY	
A	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
B,C,D	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
Z	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
EX	USE EXISTING CABLE
⊕	EXISTING GROUND ROD



GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
3. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
4. 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.
5. ALL PEDESTAL FOUNDATION TOPS SHALL BE INSTALLED FLUSH WITH SIDEWALK GRADE.
6. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTION 4E.09 AND FIGURE 4E.2 AND THE NCHRP PUBLICATION "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
7. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
8. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
9. PUSHBUTTON ARROWS AND SIGNS ARE TO BE ORIENTED PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.

CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS:

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CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

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SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 166 (ROLLING ROAD) AT
VALLEY ROAD/CAMPUS DRIVE
CATONVILLE, MARYLAND

REVISIONS	GENERAL INFORMATION SHEET		
	SCALE	DATE	CONTRACT NO.
	NONE	SEPTEMBER 2012	XX1515133
	DESIGNED BY	COUNTY	
	NTS	BALTIMORE	
	DRAWN BY	LOGMILE	
	NTS	03016601.47	
	CHECKED BY	TMS NO.	
	BJG	L-650	
	FAP NO.	TOD NO.	
	TS NO. 2044F-G1	DRAWING	SP-2 OF 4
			SHEET NO. 2 OF 6

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