

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF AN EXISTING MID BLOCK PEDESTRIAN SIGNAL ALONG MD 214 JUST EAST OF MARYLAND PARK DRIVE/ CROWN STREET IN PRINCE GEORGE'S COUNTY, MD 214 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL OPERATE AS A "MID BLOCK" PEDESTRIAN CROSSING. THE MD 214 THRU MOVEMENTS WILL OPERATE CONCURRENTLY. UPON ACTIVATION "ONLY" OF THE PEDESTRIAN PUSHBUTTON THE MD 214 WILL DISPLAY RED AND THE PEDESTRIAN PHASE WILL DISPLAY "WALK".

CONTACTS

The contact persons for this project are as follows:

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Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
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Mr. Victor Grafton
Utility Engineer
Phone: (301) 513-7315

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

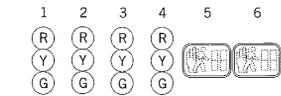
Mr. Ed Rodenhizer
Supervisor, Signal Operations
Phone: (410) 787-7650

Mr. Sonny Bailey
Supervisor, Sign Shop
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Mr. Mike Stocker
Supervisor, Signal Warehouse
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Power Company Representative -- PEPCO (PG)
Mr. Richard Chilcoat, Service Associate
PEPCO Engineering
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Upper Marlboro, MD 20772
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PHASE CHART



PHASE 2 AND 6	G	G	G	G	DW	DW	
2 AND 6 CHANGE	Y	Y	Y	Y	DW	DW	
PHASE 8 ALT	R	R	R	R	WK	WK	
PED CLEARANCE	R	R	R	R	FL/DW	FL/DW	
8 ALT CHANGE	R	R	R	R	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	DARK	DARK	

EQUIPMENT LIST FOR CONTRACT NO. XX4395185

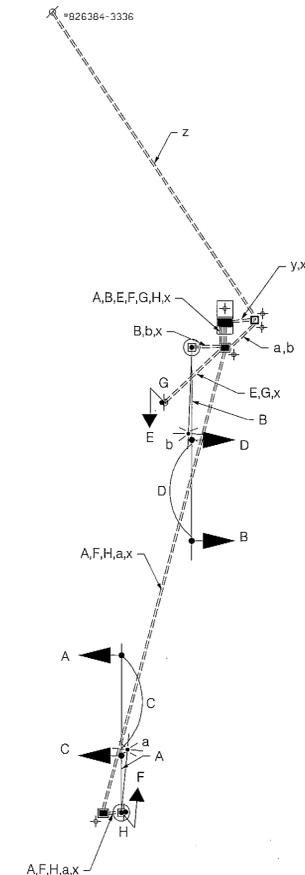
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9042	1	EA	[UPDATED] CONTROLLER ASC II WITH TELEMETRY
9044	1	EA	[UPDATED] CONTROLLER CABINET, SIZE 'S' SIZE
9571	2	SF	[UPDATED] SHEET ALUMINUM MAST ARM /POLE MOUNTED SIGN
	2	EA	R10-3(f) (9" X 15") POLE MOUNTED

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

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
5001	65	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5005	40	SF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6002	40	LF	5 IN. CONCRETE SIDEWALK
8001	12	EA	12 INCH LED SIGNAL HEAD SECTION
8002	1	EA	2-WIRE CENTRAL CONTROL UNIT
8007	2	EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP AND LUMINAIRE
8008	2	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	1	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8012	1	EA	EMBEDDED METERED SERVICE PEDESTAL WITH BYPASS SWITCH (100 AMP.)
8014	1	EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT
8016	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8020	2	EA	MAST ARM POLE & 60' MAST ARM ANY 'T' DIMENSION
8024	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8031	360	LF	3 WIRE, 1-CONDUCTOR ELECTRICAL CABLE, NO. 2 AWG/THHN
8035	240	LF	ELECTRICAL CABLE - 2-CONDUCTOR (NO. 12 AWG) TYPE T/C
8038	210	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8040	45	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8042	2	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8044	160	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8047	15	LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN
8048	2	EA	FURNISH AND INSTALL ELECTRIC HANDHOLE
8053	2	EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8055	200	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8057	275	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8058	325	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

MD 214 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



WIRING KEY

- A,B } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C,D,E,F } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- G,H } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- a,b } 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TYPE T/C
- x } NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- y } 2 WIRE, 1-CONDUCTOR ELECTRICAL CABLE (NO. 8 AWG THHN/THWN)
- z } 3 WIRES, 1-CONDUCTOR ELECTRICAL CABLE (NO. 2 AWG/THHN)
- + } GROUND ROD

TOD NO: XX439-01
SHA NO: PG995851
MD 214 @ Crown St./MD Park Drive

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 214 (CENTRAL AVENUE) AND
CROWN STREET/MARYLAND PARK DRIVE
SEAT PLEASANT, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 10/2011 CONTRACT NO. XX4395185

DESIGNED BY CW COUNTY PRINCE GEORGE'S
DRAWN BY CW LOGMILE 16021400.33
CHECKED BY JB TMS NO. K749
F.A.P. NO. TOD NO.

TS NO. 27 D DRAWING - OF SHEET NO. 2 OF 2

BAI BRUDIS & ASSOCIATES, INC.
Consulting Engineers
9240 Rumsey Road, Suite C
Columbia, Maryland 21045
Phone: 410-984-3807
www.brudis.com

NOTE:
THE CONTRACTOR WILL "WORK WITH" PEPCO ON THE INSTALLATION OF THE 3 WIRES, 1 CONDUCTOR ELECTRICAL CABLE (NO. 2 AWG/THHN). IT HAS BEEN ASSUMED THAT DURING THE "WORK WITH" ADDITIONAL CABLE WILL BE COILED AND ATTACHED (TO THE WOOD POLE) TO PEPCO STANDARDS.

BY: davidma