

PROJECT DESCRIPTION

- I. GENERAL**
 THIS PROJECT INVOLVES INSTALLING APS/CPS PEDESTRIAN EQUIPMENT ON THE SOUTH, AND WEST LEG OF THE INTERSECTION OF MD 2 (SOLOMONS ISLAND ROAD) AT MD 214A (PIKE RIDGE ROAD) IN ANNE ARUNDEL COUNTY. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.
- II. INTERSECTION OPERATION**
 THIS INTERSECTION OPERATES IN A NEMA SIX-PHASE FULLY-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE LEFT-TURN PHASE FOR THE NORTHBOUND MOVEMENT OF MD 2. THERE IS SPLIT-PHASING FOR THE EASTBOUND AND WESTBOUND MOVEMENTS OF MD 214A AND ENTRANCE. THERE ARE ALTERNATE PEDESTRIAN PHASES ACROSS THE SOUTH AND WEST LEG OF THE INTERSECTION.



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	(G)															

- III. PEDESTRIAN OPERATION**
 NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTONS TO CROSS THE SOUTH AND WEST LEG OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:

SOUTH: "WAIT TO CROSS SOLOMONS ISLAND AT PIKE RIDGE. WAIT."
 WEST: "WAIT TO CROSS PIKE RIDGE AT SOLOMONS ISLAND. WAIT."

WHEN THE WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

CONTACT PERSONS

THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

DISTRICT	OFFICE OF TRAFFIC AND SAFETY
MS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC 410-841-1019	MR. AVIJIT MAJI CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. MIKE HUBER UTILITY ENGINEER 410-841-1039	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. JOE GECKLE ASSISTANT DISTRICT ENGINEER - MAINTENANCE 410-841-1013	MR. ED RODENHIZER MANAGER SIGNAL OPERATIONS 410-787-7650
MR. JAMES FOLDEN ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 410-841-1031	MR. EUGENE BAILEY MANAGER SIGN OPERATIONS 410-787-7670

BALTIMORE GAS AND ELECTRIC

MR. AJ MARSHALL - ANNE ARUNDEL COUNTY
 SR. DISTRIBUTION DESIGNER
 410-597-7835

MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: MD 104.04-13 THROUGH MD 104.04-16.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9370	9	SF	GROUND MOUNT SHEET ALUMINUM SIGN W11-2(30"x30"), 1 EA. 6.25 SF W16-7p(R) (24"x12"), 1 EA. 2 SF

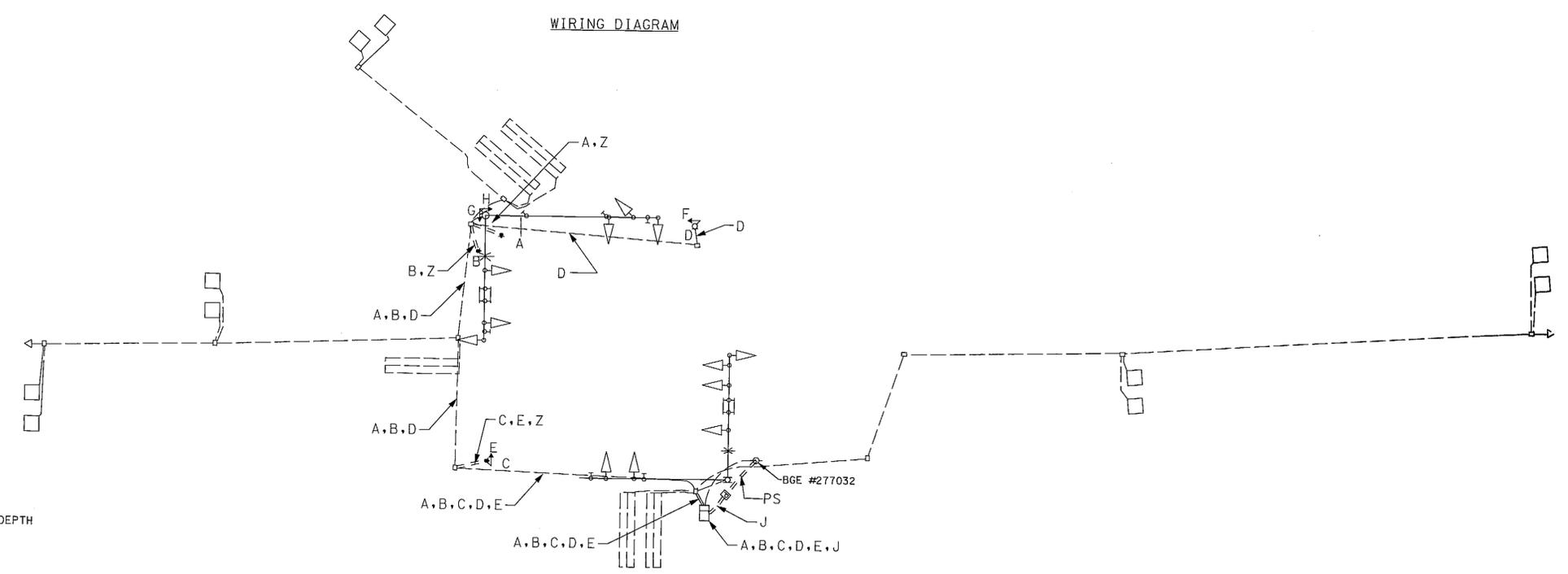
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2001	49	CY	CLASS 2 EXCAVATION
2002	1	CY	TEST PIT EXCAVATION
5003	374	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	403	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	320	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	780	SF	5 INCH CONCRETE SIDEWALK
6003	102	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
8002	1	EA	2-WIRE CENTRAL CONTROL UNIT
8005	1	EA	ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER
8008	4	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	3	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8013	1	EA	EMBEDDED METERED SERVICE PEDESTAL WITH BYPASS SWITCH
8018	4	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8027	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8043	120	LF	UP TO 4 INCH SCHEDULE 90 RIGID PVC CONDUIT-TRENCHED
8044	33	LF	WOOD SIGN SUPPORTS UP TO 4'X6'
8045	26	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8046	36	SF	REMOVE & RESET DECORATIVE BRICK SIDEWALK
8047	70	LF	NO. 6 AWG STRANDED BARE COPPER WIRE
8050	50	LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN
8055	20	LF	3 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT, SCHEDULE 80, RISER
8058	1020	LF	ELECTRICAL CABLE 2 CONDUCTOR (NO. 14 AWG)
8060	160	LF	ELECTRICAL CABLE 5 CONDUCTOR (NO. 14 AWG)

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



WIRING DIAGRAM



WIRING KEY

- A,B,C,D-ELECTRICAL CABLE-2 CONDUCTOR (NO. 14 AWG)
- E-F-ELECTRICAL CABLE-5 CONDUCTOR (NO. 14 AWG)
- G,H-CONNECT TO EXISTING CABLE
- J-3-ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG.
- Z-NO. 6 AWG STRANDED BARE COPPER GROUND WIRE.
- PS-POWER SUPPLY CABLE PROVIDED BY BGE

TOD NO: XY139-04
 SHA NO: AA189B54
 MD 2, MD 214A, MD 253 Various Locations

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 2 (SOLOMONS ISLAND ROAD) AT
 MD 214A (PIKE RIDGE ROAD)
 EDGEWATER, MARYLAND

GENERAL INFORMATION SHEET

SCALE: NTS ADVERTISED DATE: JANUARY 2013 CONTRACT NO.: XY1395185

DESIGNED BY: JVB/AMH OF KCI COUNTY: ANNE ARUNDEL
 DRAWN BY: JVB OF KCI LOGMILE: 02000216.68
 CHECKED BY: JFL OF KCI TIMS NO.: L652
 F.A.P. NO.: TOD NO.:

TS NO. 3890-B DRAWING SG-3 OF 3 SHEET NO. 3 OF 21

KCI TECHNOLOGIES
 ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS
 936 ROSEBANK ROAD
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BORDER REV. DATE: March 27, 2007
 DRILL HOLES
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 BY: Joost Van Boekhold Division: P068 Highway Traffic/GMA Emp