

BY: Aaron Holtstein Division: P068 Highway Traff GMA Emp

DRILL HOLES

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.

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 PASSES 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

MS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC 410-841-1019

MR. MIKE HUBER UTILITY ENGINEER 410-841-1039

MR. JOE GECKLE ASSISTANT DISTRICT ENGINEER - MAINTENANCE 410-841-1013

MR. JAMES FOLDEN ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 410-841-1031

OFFICE OF TRAFFIC AND SAFETY

MR. AVIJIT MAJI CHIEF, TRAFFIC OPERATIONS 410-787-7630

MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630

MR. ED RODENHIZER MANAGER SIGNAL OPERATIONS 410-787-7650

MR. EUGENE BAILEY MANAGER SIGN OPERATIONS 410-787-7670

MR. MIKE STOCKER SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

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

Table with 4 columns: ITEM NO., QUANTITY, UNIT, DESCRIPTION. Item 9570: 9 SF GROUND MOUNT SHEET ALUMINUM SIGN.

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

Table with 4 columns: ITEM NO., QUANTITY, UNIT, DESCRIPTION. Lists items 1001 through 5005 including excavation, pavement markings, sidewalks, and wiring.

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

KCI TECHNOLOGIES logo and contact information: 936 RIDGEBROOK ROAD, SPOKES, MARYLAND 21152.

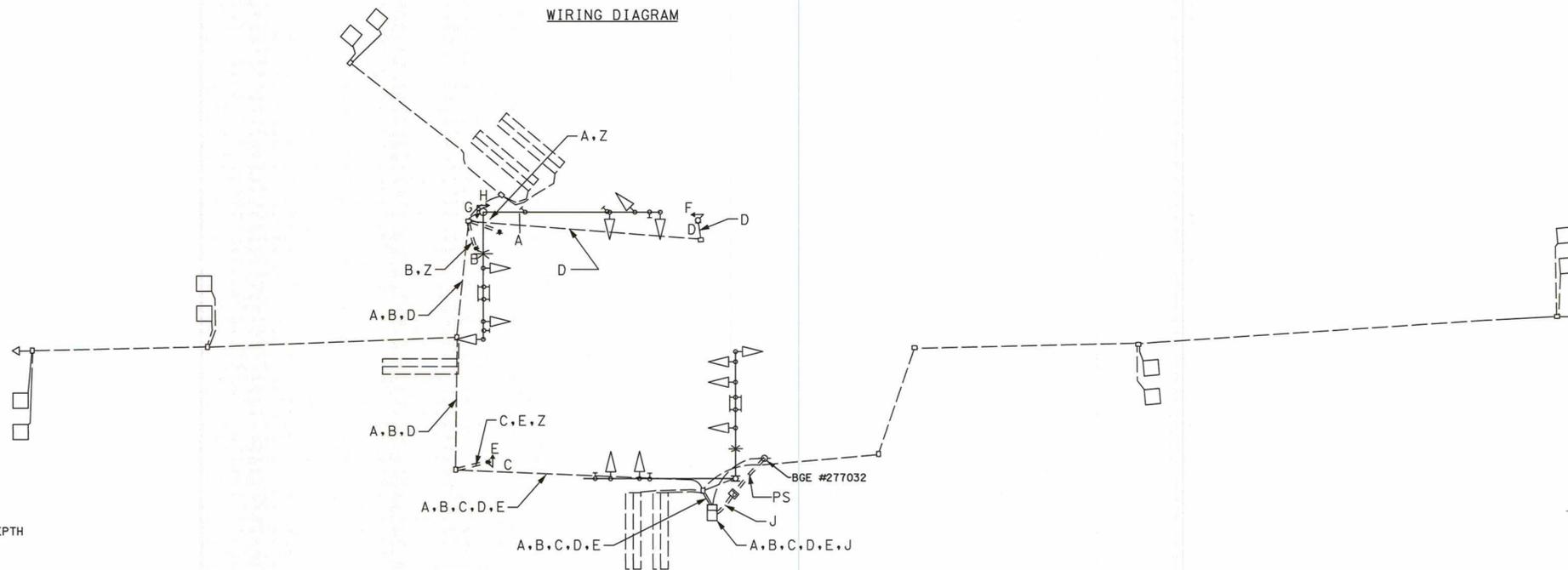


PHASE CHART

Phase chart table with 16 columns (1-16) and 12 rows (PHASE 1 & 6, PHASE 2 & 6, PED CLEAR, 2 & 6 CHANGE, PHASE 3, 3 CHANGE, PHASE 4, 4 CHANGE, PHASE 4 ALT, PED CLEAR, 4 ALT CHANGE, FLASHING OPERATION). Symbols include G, R, Y, L, DW, FL/DW, DARK.



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

SHA logo and project information: STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION, MD 2 (SOLOMONS ISLAND ROAD) AT MD 214A (PIKE RIDGE ROAD).

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.

Redline stamp: 1 REDLINE NO. 1, with signature and date 6-17-13.

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