

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES INSTALLING APS/CPS PEDESTRIAN EQUIPMENT ON THE SOUTH LEG OF THE INTERSECTION OF MD 2 (SOLOMONS ISLAND ROAD) AT VIRGINIA AVENUE IN ANNE ARUNDEL COUNTY. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THIS INTERSECTION OPERATES IN A NEMA FOUR-PHASE SEMI-TRAFFIC-ACTUATED MODE. THE NORTHBOUND AND SOUTHBOUND APPROACHES OPERATE CONCURRENTLY. THE EASTBOUND AND WESTBOUND APPROACHES OPERATE CONCURRENTLY. THERE IS AN ALTERNATE PEDESTRIAN PHASE ACROSS THE SOUTH LEG OF THE INTERSECTION.

III. PEDESTRIAN OPERATION

NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTONS TO CROSS THE SOUTH 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 VIRGINIA. 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. MJ MARSHALL - ANNE ARUNDEL COUNTY
SR. DISTRIBUTION DESIGNER
410-397-7835

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

NONE

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

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
2001	46	CY	CLASS 2 EXCAVATION
2002	1	CY	TEST PIT EXCAVATION
5002	130	LF	5" HEAT APPLIED WHITE OR YELLOW PERMANENT PAVEMENT MARKINGS
5003	225	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	220	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	290	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	440	SF	5 INCH CONCRETE SIDEWALK
6003	43	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	2	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8009	1	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8013	1	EA	EMBEDDED METERED SERVICE PEDESTAL WITH BYPASS SWITCH
8018	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8043	1	EA	UP TO 4 INCH SCHEDULE 90 RIGID PVC CONDUIT-TRENCHED
8047	40	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	660	LF	ELECTRICAL CABLE 2 CONDUCTOR (NO. 14 AWG)
8038	1	390	LF ELECTRICAL CABLE-2 CONDUCTOR (NO 12 AWG)

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

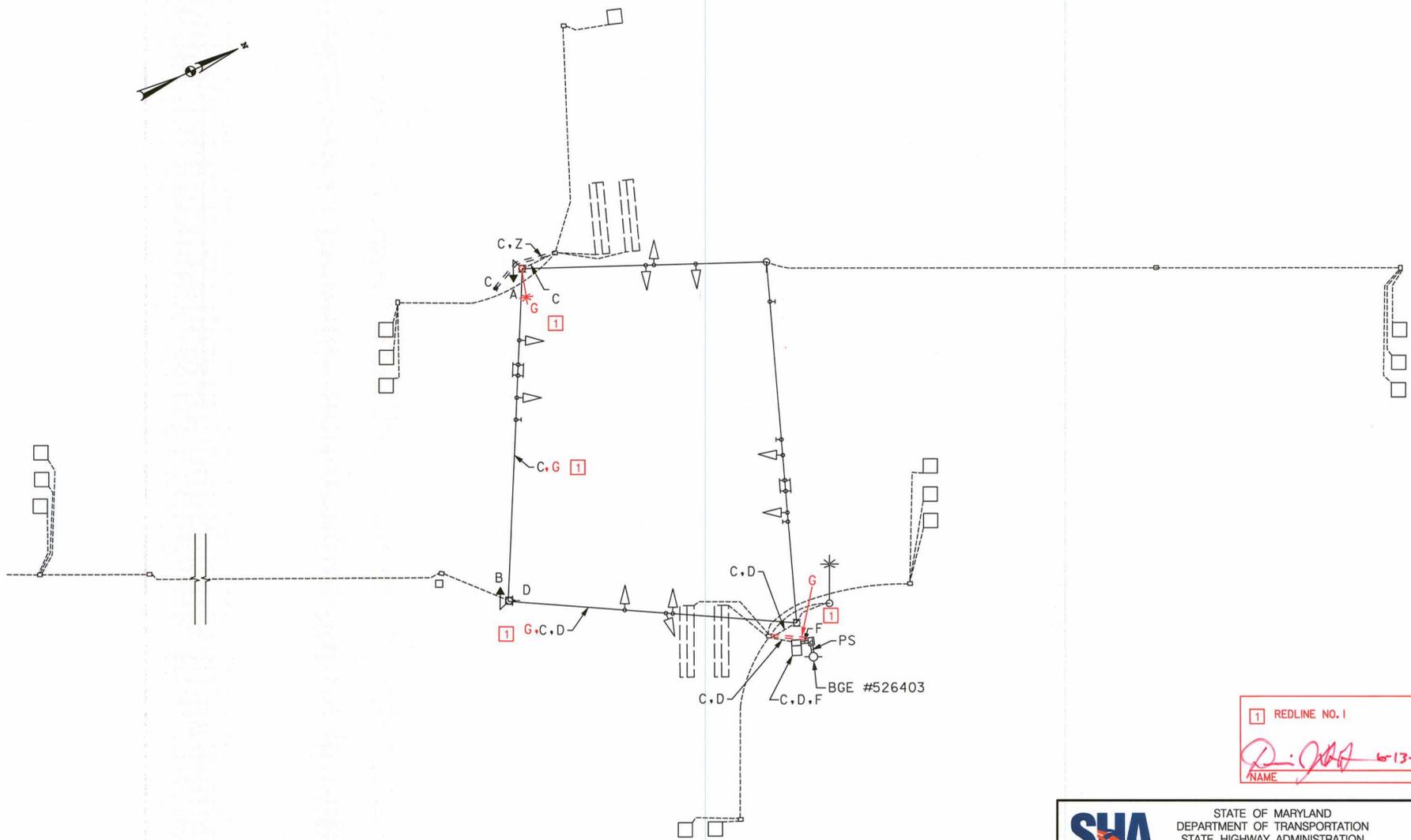


BY: Aaron Hottenstein Division: P068 Highway Traff GMA Emp

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 & 6	G	G	G	G	R	R	R	R	R	R	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 4 & 8	R	R	R	R	G	G	G	G	G	G	DW	DW
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	G	G	G	G	G	G	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	G	G	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

WIRING DIAGRAM



WIRING KEY

- A-B-CONNECT TO EXISTING CABLE
- C-D-ELECTRICAL CABLE-2 CONDUCTOR (NO. 14 AWG)
- F-3-ELECTRICAL CABLE 1-CONDUCTOR (NO. 8 AWG-THHN/THWN)
- PS-POWER SUPPLY CABLE SUPPLIED BY BGE
- Z-NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- G-ELECTRICAL CABLE- 2 CONDUCTOR (NO. 12 AWG)**

1 REDLINE NO. 1
NAME: [Signature] DATE: 6-13-13

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 2 (SOLOMONS ISLAND ROAD) AT
VIRGINIA AVENUE
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: 02000217.68
CHECKED BY: JFL OF KCI TIMS NO.: L652
F.A.P. NO.: TOD NO.:

TS NO. 1835-D DRAWING SG-3 OF 3 SHEET NO. 15 OF 21