

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES INSTALLING APS AND COUNTDOWN PEDESTRIAN SIGNALS AT THE INTERSECTION OF US 13 BUSINESS (N. SALISBURY BOULEVARD) AND GORDY ROAD IN WICOMICO COUNTY. US 13 BUS IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FOUR-PHASE, FULL TRAFFIC-ACTUATED MODE. THE EXISTING PRE-EMPTION PHASES WILL REMAIN. A SIDE STREET ALTERNATE PEDESTRIAN PHASE IS PROPOSED.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER SHALL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL A 2-WIRE CENTRAL CONTROL UNIT WITHIN THE CABINET.

APS WILL FUNCTION AS FOLLOWS:

TO CROSS NORTH SALISBURY BOULEVARD

- A. WHEN THE PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS NORTH SALISBURY BOULEVARD AT GORDY ROAD, CROSSWALK ANGLES LEFT".
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

THE CONTACT PERSONS FOR DISTRICT #1/00TS ARE AS FOLLOWS:

Mr. Gene Coffell
Assistant District Engineer - Traffic
410-677-4040

Mr. Bruce W. Poole
District Utility Engineer
410-677-4082

Mr. James R. Wright
Assistant District Engineer - Maintenance
410-677-4010

Office Of Traffic & Safety

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

Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630

Mr. Edward Rodenhizer
Team Leader Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Team Leader Sign Operations
410-787-7670

The Power Company Representative is:
Delmarva Power
2530 N Salisbury Blvd.
Salisbury, Maryland
1-800-375-7117

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	2 SF	SHEET ALUMINUM SIGNS: 2 EA - R10-3(1) (9 IN. x 15 IN.) "PUSH BUTTON TO CROSS N. SALISBURY BLVD."

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

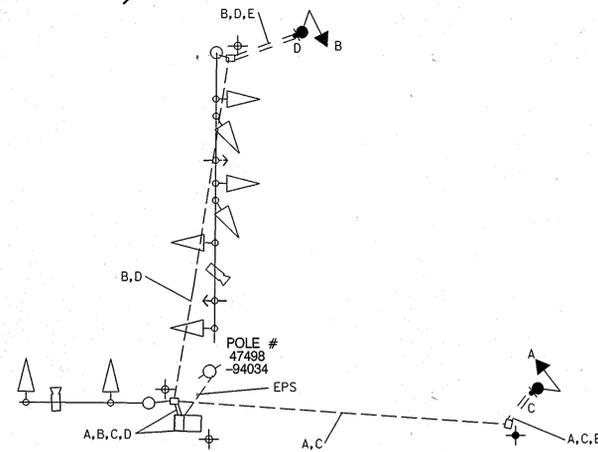
CATEGORY CODE	QUANTITY	DESCRIPTION
114280	180 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
203030	2 CY	TEST PIT EXCAVATION
585621	180 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES.
800000	1 EA	2-WIRE CENTRAL CONTROL UNIT
800000	2 EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON
800000	2 EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION - POLE MOUNTED
801004	2 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	40 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805150	40 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
813015	2 SF	INSTALL OVERHEAD SIGN
818004	2 EA	10 FOOT BREAKAWAY PEDESTAL POLE
837001	1 EA	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
861105	250 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	250 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATEGORY CODE	QUANTITY	DESCRIPTION
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR		

WIRING DIAGRAM



- A] ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
- B] ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
- C] ELECTRICAL CABLE - NO. 6 STRANDED BARE COPPER GROUND WIRE
- D] PROPOSED GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.
- E] EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.
- EPS] EXISTING POWER SERVICE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	
PHASE 2 AND 6	G	G	G	G	R	R	R	R	DW	DW	
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	
PHASE 3	R	R	R	R	R	R	R	G	DW	DW	
PHASE 3 CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	
PHASE 3 ALT.	R	R	R	R	R	R	G	G	W	W	
PHASE 3 ALT. PED. CLEARANCE	R	R	R	R	R	R	G	G	FL/DW	FL/DW	
PHASE 3 ALT. CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	
PHASE 4	R	R	R	R	Y	Y	R	R	DW	DW	
PHASE 4 CHANGE	R	R	R	R	Y	Y	R	R	DW	DW	
PRE-EMPTION 1	G	G	R	R	R	R	R	R	DW	DW	
PRE-EMPTION 1 CHANGE	Y	Y	R	R	R	R	R	R	DW	DW	
PRE-EMPTION 2	R	R	G	G	R	R	R	R	DW	DW	
PRE-EMPTION 2 CHANGE	R	R	Y	Y	R	R	R	R	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

BY: wistroud

STV Incorporated
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7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 13 BUSINESS (N. SALISBURY BLVD)
AT GORDY ROAD
SALISBURY, MARYLAND

GENERAL INFORMATION

SCALE: NONE ADVERTISED DATE: 09/2008 CONTRACT NO.: W3285374

DESIGNED BY: SDY COUNTY: WICOMICO
DRAWN BY: VGN LOGMILE: 22801307.53
CHECKED BY: BAB TMS NO.: 1156
F.A.P. NO.: SEE TITLE SHEET TOD NO.:

TS NO. 3822-C-G1 DRAWING SG - 4 OF 6 SHEET NO. OF