PROJECT DESCRIPTION (MOT PHASE 3B)

I. GENERAL:

THIS PHASE OF THE PROJECT INVOLVES THE INSTALLATION OF PROPOSED SIDEWALK AND CURB AND GUTTER ALONG WESTBOUND MD 175 AND AROUND THE NORTHEAST QUADRANT OF MD 175 AND 26TH STREET/DISNEY ROAD INTERSECTION.

TRAFFIC SIGNALIZATION WORK DURING THIS PHASE OF THE ROADWAY RECONSTRUCTION WILL ENTAIL THE INSTALLATION OF LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, WITH ACCESSIBLE PUSHBUTTON AND SIGNS, IN THE NORTHEAST QUADRANT OF THE MD 175 AND 26TH STREET/DISNEY ROAD INTERSECTION. PEDESTRIAN PHASE SHALL ONLY BE PROVIDED FOR THE SOUTH AND WEST LEGS OF THE INTERSECTION.

MD 175 (ANNAPOLIS ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE, WITH THE MD 175 APPROACHES RUNNING CONCURRENTLY. EXCLUSIVE LEFT-TURN PHASES SHALL BE PROVIDED FOR BOTH APROACHES OF MD 175. 26TH STREET/DISNEY ROAD SHALL OPERATE IN A SPLIT-PHASED MODE AND A PEDESTRIAN PHASE SHALL BE PROVIDED FOR THE SOUTH AND EAST LEGS OF THE INTERSECTION.

AUDIBLE PUSHBUTTON FUNCTION IS AS FOLLOWS:

1. When the pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message:

   WEST LEG: "Wait to cross Annapolis at Disney and 26th, Wait."
   SOUTH LEG: "Wait to cross 26th at Annapolis, Wait."

2. When the "WALK" phase begins, the pushbutton unit will provide a rapid tick, which will last for the duration of the "WALK" phase.

PROJECT CONTACTS:

MS. KIMBERLY TRAN, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. JAMES FOLDEN, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 841-1031

MR. JOHN S. MAYS, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

MR. MIKE HUBER, UTILITY ENGINEER
PHONE: (410) 841-1039

MR. GUS PAYNE, CONSTRUCTION INSPECTION
PHONE: (443) 572-5234

MR. EDWARD RODENHIZER, CHIEF - SIGNAL SHOP
PHONE: (410) 787- 7652

MR. SONNY BAILEY, CHIEF - SIGN SHOP
PHONE: (410) 787-7676

MR. AVIJIT MAJI, DIVISION CHIEF - TRAFFIC OPERATIONS, OOTS
PHONE: (410) 787-7630 [5]

THE POWER COMPANY REPRESENTATIVE:
BALTIMORE GAS AND ELECTRIC (BGE)
MS. JACQUELINE SHULTZ
(410) 470-8445

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	1.9 SF	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:
		1 EA R10-3(1) COUNTDOWN PEDESTRIAN PUSHBUTTON SIGN "PUSH BUTTON TO CROSS ANNAPOLIS ROAD" (9"x15") POLE-MOUNTED
		1 EA R10-3(1) COUNTDOWN PEDESTRIAN PUSHBUTTON SIGN "PUSH BUTTON TO CROSS DISNEY ROAD" (9"x15") POLE-MOUNTED

EQUIPMENT LIST 'B'

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

CATEGORY CODE	QUANTITY	DESCRIPTION
800000	1 LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
800000	2 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON & SIGN
800000	2 EA	16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
801004	1 CY	CONCRETE FOR SIGNAL FOUNDATIONS
802501	150 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805125	30 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
805135	[5] 300 ~~420~~ LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
805150	45 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED
805155	80 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED
811001	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	2 SF	INSTALL OVERHEAD SIGN
818004	2 EA	10' BREAKAWAY PEDESTAL POLE
837001	1 EA	GROUND ROD - 3/4 INCH DIA. X 10 FOOT LENGTH
861105	330 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	360 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

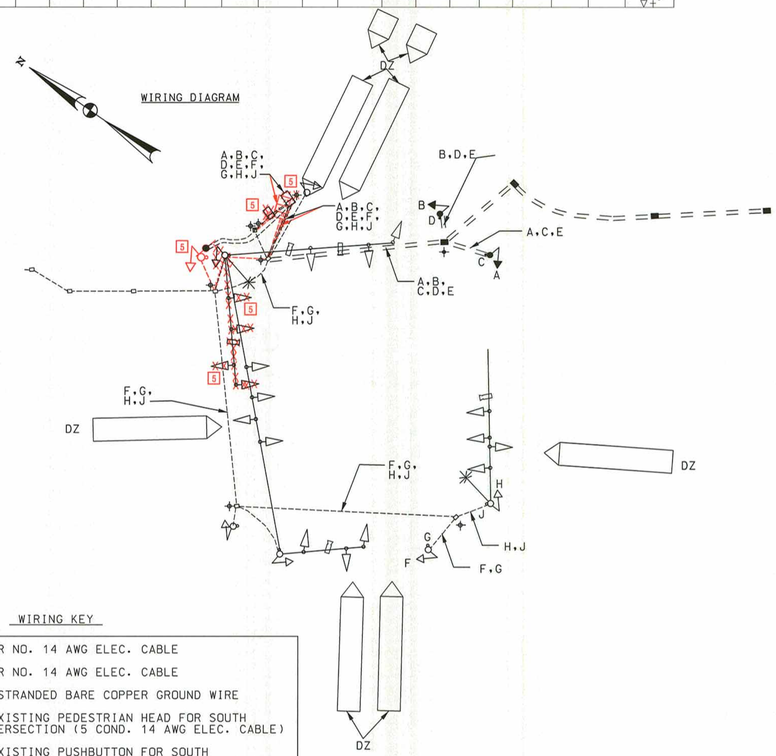
C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINETS. THE CABINETS AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1a	2	3	4	5	6a	7a	8a	9	10	11	12	13	14	15	16	21	22
	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	16"	16"	16"	16"
Phase 1 & 5	◁G-	◁G-	R	R	◁G-	◁G-	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 5 Change	◁Y-	◁Y-	R	R	◁Y-	◁Y-	R	R	R	R	R	R	R	R	DW	DW	DW	DW
Phase 2 & 6	◁R-	◁R-	G	G	◁R-	◁R-	G	G	R	R	R	R	R	R	WK	WK	DW	DW
Ped. Clear	◁R-	◁R-	G	G	◁R-	◁R-	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2 & 6 Change	◁R-	◁R-	Y	Y	◁R-	◁R-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
Phase 3	◁R-	◁R-	R	R	◁R-	◁R-	R	R	◁G/G	◁G/G	G	R	R	R	DW	DW	DW	DW
3 Change	◁R-	◁R-	R	R	◁R-	◁R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW
Phase 4	◁R-	◁R-	R	R	◁R-	◁R-	R	R	R	R	R	◁G/G	◁G/G	G	DW	DW	DW	DW
4 Change	◁R-	◁R-	R	R	◁R-	◁R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
Phase 4 ALT	◁R-	◁R-	R	R	◁R-	◁R-	R	R	R	R	R	◁G/G	◁G/G	G	DW	DW	WK	WK
Ped. Clear	◁R-	◁R-	R	R	◁R-	◁R-	R	R	R	R	R	◁G/G	◁G/G	G	DW	DW	FL/DW	FL/DW
4 ALT Change	◁R-	◁R-	R	R	◁R-	◁R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
Flashing Operation	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

NOTE:
PEDESTRIAN SIGNAL HEADS 17-20 WILL BE BAGGED AND WILL NOT BE OPERATIONAL DURING THIS PHASE OF CONSTRUCTION.

WIRING DIAGRAM



WIRING KEY

A,B	-	5 CONDUCTOR NO. 14 AWG ELEC. CABLE
C,D	-	2 CONDUCTOR NO. 14 AWG ELEC. CABLE
E	-	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
F	-	RE-WIRED EXISTING PEDESTRIAN HEAD FOR SOUTH LEG OF INTERSECTION (5 COND. 14 AWG ELEC. CABLE)
G	-	RE-WIRED EXISTING PUSHBUTTON FOR SOUTH LEG OF INTERSECTION(2 COND. 14 AWG ELEC. CABLE)
H	-	RE-WIRED EXISTING PEDESTRIAN HEAD FOR EAST LEG OF INTERSECTION (5 COND. 14 AWG ELEC. CABLE)
J	-	RE-WIRED EXISTING PUSHBUTTON FOR EAST LEG OF INTERSECTION(2 COND. 14 AWG ELEC. CABLE)
+	-	GROUND ROD (3/4" DIA. x 10' LENGTH)

PHASE 3B

REDLINE REVISION NO. 5
MD 175 AT DISNEY ROAD; REVISED POLE LOCATIONS IN THE NW QUADRANT

MDO TEAM LEADER APPROVAL — DATE 11/21/2013

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'D' 23299.36; 27257.25 [5]

REVISIONS

(D) [5] REDLINE NO. 5 1/ /2013 INSTALL NEW PEDESTAL POLE IN THE NW QUADRANT, RELOCATE SIGNAL POLE	ENB
(C) BRAC RECONSTRUCT TRAFFIC SIGNAL SHA #. AA5805370 10/2010 TIMS NO. J-969	ENB
(B) 1/24/97 ASBUILT SHA #: BW8608025I2	RRZ

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 175 (ANNAPOLIS ROAD) AT 26TH STREET /DISNEY ROAD

FORT MEADE, MD

MOT PHASE 3B - GENERAL INFORMATION PLAN

SCALE 1" = 20' NONE [5] ADVERTISED DATE OCTOBER 2010 CONTRACT NO. AA5805370

DESIGNED BY ENB /MAR — COUNTY ANNE ARUNDEL
DRAWN BY ENB — LOGMILE 02017507.10
CHECKED BY MAR /NR — TIMS NO. J-969
F.A.P. NO. ACPLHD-STP-TIP-3617(11)E — TOD NO.

TS NO.1959D3B-GI | DRAWING SG-16.3 OF 26 | SHEET NO. 136 OF 195

PLOTTED: Tuesday, January 22, 2013 AT 02:14 PM
FILE: S:\2009\Transportation\23299.36 BRAC-MD175 @ MD 713 & Disney\CADD\ACAD SheetSets\REDLINE REVISION 5 (DISNEY ROAD) DGN\pSG-MOT3B_MD175DisneyGI.dgn

BY: nrobinson