PROJECT DESCRIPTION (MOT PHASE 5)

I. GENERAL:

THIS PHASE OF THE PROJECT INVOLVES THE INSTALLATION OF PROPOSED MEDIAN AND CURB AND GUTTER ALONG BOTH APPROACHES OF MD 175.

TRAFFIC SIGNALIZATION WORK DURING THIS PHASE OF THE ROADWAY RECONSTRUCTION WILL INVOLVE PROVIDING PEDESTRIAN SIGNALIZATION FOR THE ALL LEGS OF THE INTERSECTION AND INSTALLATION OF TRAFFIC SIGNALS TO PROVIDE EASTBOUND LEFT-TURNERS WITH A DOUBLE LEFT TURN MOVEMENT. INSTALLATION OF NON-INVASIVE PROBES FOR THE MAINLINE APPROACH OF MD 175 SHALL BE PROVIDED. EXISTING TRAFFIC SIGNAL HEADS ARE TO REPOSITIONED TO FINAL LOCATION.

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. DISNEY ROAD AND 26TH STREET SHALL OPERATE IN A SPLIT-PHASED MODE. PEDESTRIAN PHASE SHALL BE PROVIDED FOR THE ALL 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:

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

2. When the "WALK" phase begins, the pushbutton unit will be 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	46 SF	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:
	4 EA	R3-5L "LEFT ONLY" (30"X36") MAST ARM-MOUNTED
	1 EA	D-3(1) "LEFT ARROW, Disney RD/ Disney RD, RIGHT ARROW" (VAR. x 16") MAST ARM-MOUNTED (DUAL-FACED)
	1 EA	D-3(1) "LEFT ARROW, 26th Street/ 26th Street, RIGHT ARROW" (VAR. x 16") MAST ARM-MOUNTED (DUAL-FACED)
	2 EA	D-3 "Annapolis RD" (VAR. x 16") MAST ARM-MOUNTED

EQUIPMENT LIST 'B'

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

CATEGORY CODE	QUANTITY	DESCRIPTION
805150	170 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
810601	4 EA	NON-INVASIVE PROBES WITH 500' LEAD-IN TO CONTROLLER
811001	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	46 SF	INSTALL OVERHEAD SIGN
860284	3 EA	12" LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860265	7 EA	RELOCATE EXISTING SIGNAL HEAD
861107	20 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

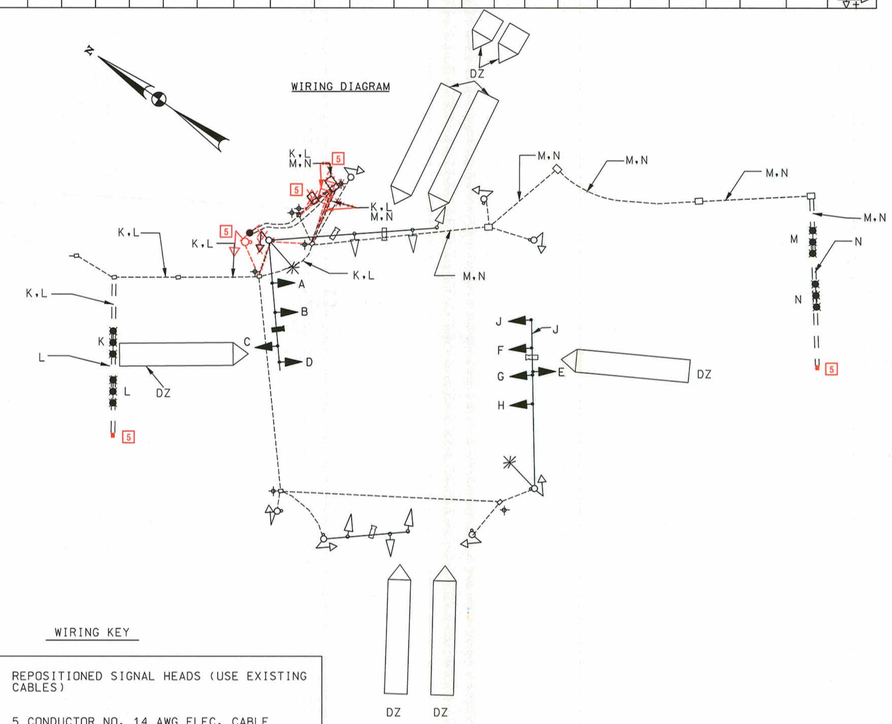
EQUIPMENT LIST 'C'

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

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	16"	16"	16"	16"	16"	16"	16"	16"	
Phase 1 & 5	◀G-	◀G-	◀G-	R	R	◀G-	◀G-	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
1 & 5 Change	◀Y-	◀Y-	◀Y-	R	R	◀Y-	◀Y-	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
Phase 2 & 6	◀R-	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW	
Ped. Clear	◀R-	◀R-	◀R-	G	G	◀R-	◀R-	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW	
2 & 6 Change	◀R-	◀R-	◀R-	Y	Y	◀R-	◀R-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
Phase 3	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
3 Change	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
Phase 4	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	◀G/G	◀G/G	G	DW	DW	DW	DW	DW	DW	DW	DW	
4 Change	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
Phase 3 ALT	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	DW	DW	WK	WK	DW	DW	
Ped. Clear	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G/G	◀G/G	G	R	R	R	DW	DW	DW	DW	FL/DW	FL/DW	DW	DW	
3 ALT Change	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
Phase 4 ALT	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	◀G/G	◀G/G	G	DW	DW	DW	DW	DW	DW	WK	WK	
Ped. Clear	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	◀G/G	◀G/G	G	DW	DW	DW	DW	DW	DW	FL/DW	FL/DW	
4 ALT Change	◀R-	◀R-	◀R-	R	R	◀R-	◀R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
Flashing Operation	FL/RA	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	DARK	DARK	DARK	DARK	

WIRING DIAGRAM



WIRING KEY

A,B,C,D E,F,G,H	-	REPOSITIONED SIGNAL HEADS (USE EXISTING CABLES)
J	-	5 CONDUCTOR NO. 14 AWG ELEC. CABLE (JUMPER)
K,L,M,N	-	NON-INVASIVE PROBE LEAD-IN

PHASE 5

REDLINE REVISION NO. 5
MD 175 AT DISNEY ROAD; REVISED POLE LOCATIONS IN THE NW QUADRANT
TEDD TEAM LEADER APPROVAL — DATE 1/24/2013

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

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
(D) BRAC RECONSTRUCT TRAFFIC SIGNAL SHA #. AA5805370 10/2010 TIMS NO. J-969 — ENB
(C) 1/24/97 ASBUILT SHA #: BW8608022512 — RRZ

MOT PHASE 5 - 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.	AC/PLHD-STP-TIP-3617(11)E	TOD NO.	

TS NO. 1959DGI5 | DRAWING SG-26.5 OF 26 | SHEET NO. 146 OF 195

PLOTTED: Tuesday, January 22, 2013 AT 02:19 PM
FILE: S:\2009\Transportation\23299.36 BRAC-MD175 @ MD 713 & Disney\CADD\ACAD SheetSets\REDLINE REVISION 5 (DISNEY ROAD) DGN\pSG-MOT5_MD175DisneyGI.dgn

BY: nrobinson