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:

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MR. GUS PAYNE, CONSTRUCTION INSPECTION
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PHONE: (410) 787-7676

MS. JACQUELINE SHULTZ- BGE
PHONE: 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
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)
805150	170 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED

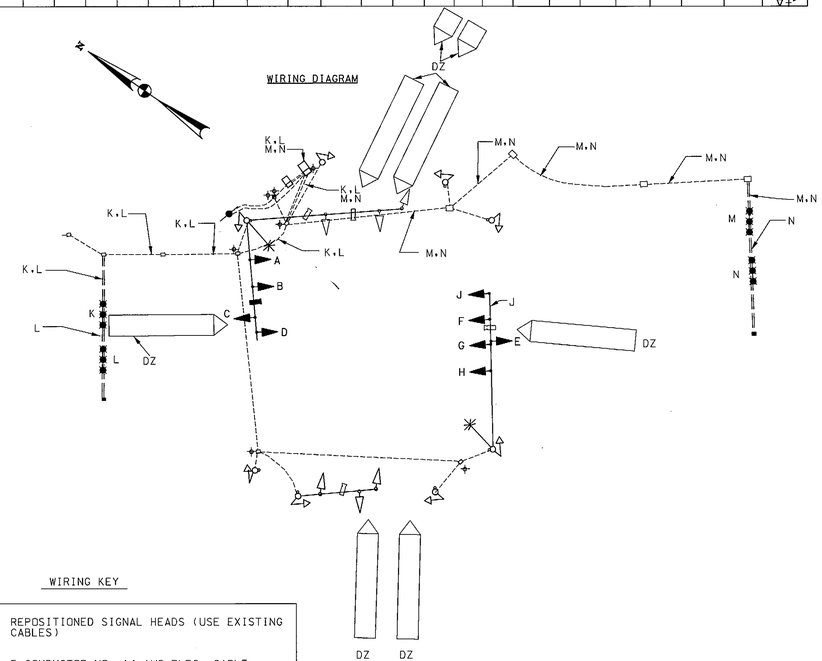
EQUIPMENT LIST 'C'

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

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 5 - GENERAL INFORMATION PLAN

SCALE 1" = 20' DATE OCTOBER 2010 CONTRACT NO. AA580A21

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

REVISION 'D' 23299.36

DESIGNED BY ENB /MAR
DRAWN BY ENB
CHECKED BY MAR /NR
F.A.P. NO. AC/PLHD-STP-TIP-3617(11)E
COUNTY ANNE ARUNDEL
LOGMILE 020175070 10
TIMS NO. J-969
TOD NO.

TS NO. 1959DG15 | DRAWING SG - 26.5 OF 26 | SHEET NO. 146 OF 195

PLOTTED: Wednesday, October 20, 2010 AT 05:39 PM
FILE: S:\2009\Transportation\23299.36 BRAC-MD175 @ MD 713 & Disney\CADD\ACAD SheetSets\zSG-MOT5_MD175DisneyGI.dgn

BY: bostic -