PROJECT DESCRIPTION (MOT PHASE 2)

I. GENERAL:

THIS PHASE OF THE PROJECT IS FOR THE WIDENING OF EASTBOUND MD 175 (ANNAPOLIS ROAD). CONSTRUCTION WORK WILL INVOLVE THE REMOVAL OF EXISTING CURB AND GUTTER ALONG EASTBOUND MD 175, EXCAVATION, CONSTRUCTION OF DRAINAGE ITEMS, AND PAVEMENT WIDENING TO MATCH EXISTING PAVEMENT ELEVATION AND CROSS-SLOPE.

TRAFFIC SIGNALIZATION WORK DURING THIS PHASE OF THE ROADWAY RECONSTRUCTION WILL ENTAIL THE INSTALLATION OF SIGNAL POLES AND MAST ARMS, INTERSECTION LIGHTING EQUIPMENT, BASE-MOUNTED CABINET AND CONTROLLER, CABINET FOR BATTERY BACKUP, AND THE REPOSITIONING OF EXISTING SIGNAL HEADS AND SIGNS TO ALIGN WITH TEMPORARY TRAFFIC LANE CONFIGATIONS.

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

II. INTERSECTION OPERATION:

THE EXISTING INTERSECTION CURRENTLY OPERATES IN A NEMA EIGHT-PHASE FULLY-ACTUATED OPERATION WITH EXCLUSIVE/PERMISSIVE LEFT-TURNS FOR ALL FOUR APPROACHES AND A RIGHT-TURN OVERLAP PHASE FOR THE SOUTHBOUND MD 713 TURN TO WESTBOUND MD 175.

PROJECT CONTACTS:

MS. KIMBERLY TRAN, ASSISTANT DISTRICT ENGINEER - TRAFFIC
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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

MS. JACQUELINE SHULTZ-BGE
PHONE: 410-470-8445

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE	QUANTITY	DESCRIPTION
963010	1 EA	FOUR CHANNEL RACK-MOUNTED AMPLIFIER
[1] 900000 ~~971017~~	1 EA	LOCAL CONTROLLER AND CABINET SIZE '~~X~~' S W/ ALL NECESSARY EQUIPMENT HOUSED IN BASE-MOUNTED CABINET

EQUIPMENT LIST 'B'

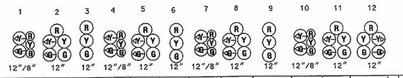
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE	QUANTITY	DESCRIPTION
800000	1 EA	BATTERY BACKUP FOR SYSTEM ~~AND CABINET~~ [1]
800000	1 EA	2 WIRE CENTRAL CONTROL UNIT
801004	17 CY	CONCRETE FOR SIGNAL FOUNDATION
805125	6 LF	2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
813006	48 SF	RELOCATE SIGNS FROM EXISTING OVERHEAD STRUCTURES
818036	1 EA	STEEL POLE WITH 50' MAST ARM
818041	2 EA	STEEL POLE WITH 60' MAST ARM
818052	1 EA	STEEL POLE WITH 70' MAST ARM
831010	2 EA	250 WATT HPS LAMP AND LUMINAIRE
860265	4 EA	RELOCATE EXISTING SIGNAL HEAD
866104	2 EA	20' LIGHTING ARM ON SIGNAL STRUCTURE
871202	1 EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT

EQUIPMENT LIST 'C'

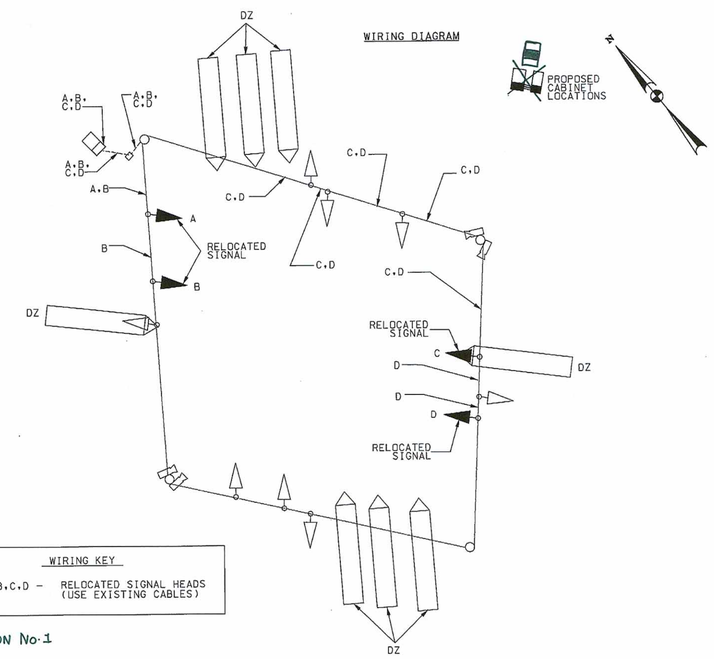
C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINETS. THE CABINETS AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART



Phase 01 & 05	◁G/R	◁G/R	R	◁G/R	◁G/R	R	R	R	R	R	R	R/G▷
01 & 05 Change	CHANGES TO PHASES 1 & 6, 2 & 5, OR 2 & 6											
Phase 01 & 06	◁G/G	◁G/G	G	R	R	R	R	R	R	R	R	R/G▷
01 Change	◁Y/G	◁Y/G	G	R	R	R	R	R	R	R	R	R/Y▷
Phase 02 & 05	R	R	R	◁G/G	◁G/G	G	R	R	R	R	R	R
05 Change	R	R	R	◁Y/G	◁Y/G	G	R	R	R	R	R	R
Phase 02 & 06	G	G	G	G	G	G	R	R	R	R	R	R
02 & 06 Change	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
Phase 03 & 07	R	R	R	R	R	R	◁G/R	◁G/R	R	◁G/R	◁G/R	R
03 & 07 Change	CHANGES TO PHASES 3 & 8, 4 & 7, OR 4 & 8											
Phase 03 & 08	R	R	R	R	R	R	◁G/G	◁G/G	G	R	R	R
03 Change	R	R	R	R	R	R	◁Y/G	◁Y/G	G	R	R	R
Phase 04 & 07	R	R	R	R	R	R	R	R	R	◁G/G	◁G/G	G
07 Change	R	R	R	R	R	R	R	R	R	◁Y/G	◁Y/G	G
Phase 04 & 08	R	R	R	R	R	R	G	G	G	G	G	G
04 & 08 Change	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

A,B,C,D - RELOCATED SIGNAL HEADS (USE EXISTING CABLES)

[1] GREENLINE REVISION No. 1
5/22/2013
TEDD APPROVAL
MAY 2013

PHASE 2

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

MD 175 (ANNAPOLIS ROAD) AT
MD 713 (ROCKENBACH RD /RIDGE RD)
HANOVER, MD

MOT PHASE 2 - GENERAL INFORMATION PLAN

SCALE 1" = 20' DATE OCTOBER 2010 CONTRACT NO. AA580-532

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

REVISION 'D' 23299.36

DESIGNED BY MR
DRAWN BY ENB
CHECKED BY MR /NR
F.A.P. NO. AC/PLHD-STP-TIP-3617(11)E
COUNTY ANNE ARUNDEL
LOGMILE 020175O7.31
TIMS NO. J-968
TOD NO.

TS NO. 1295D2-GI | DRAWING SG-06.2 OF 26 | SHEET NO. 126 OF 195

PLOTTED: Wednesday, October 20, 2010 AT 05:17 PM
FILE: S:\2009\Transportation\23299.36 BRAC-MD175 @ MD 713 & Disney\CADD\ACAD SheetSets\pSG-MOT2_MD175MD713GI.dgn

BY: bostic -