

PROJECT DESCRIPTION (MOT PHASE 4)

I. GENERAL:

THIS PHASE OF THE PROJECT INVOLVES THE INSTALLATION OF PROPOSED SIDEWALK, AND CURB AND GUTTER ALONG EASTBOUND MD 175 AND IN THE NORTHEAST QUADRANT OF THE INTERSECTION.

TRAFFIC SIGNALIZATION WORK DURING THIS PHASE OF THE ROADWAY RECONSTRUCTION WILL ENTAIL THE INSTALLATION OF LED COUNTDOWN PEDESTRIAN SIGNAL HEADS WITH ACCESSIBLE PUSHBUTTONS AND SIGNS FOR THE NORTH AND EAST LEGS OF THE MD 175 AND MD 713 (ROCKENBACH ROAD/ RIDGE ROAD) INTERSECTION. HOWEVER, PEDESTRIAN PHASE SHALL NOT BE PROVIDED UNTIL THE FULL SIGNAL BUILD-OUT.

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

II. INTERSECTION OPERATION:

THE EXISTING INTERSECTION OPERATES IN A NEMA SIX-PHASE FULLY-ACTUATED MODE. SIGNALS FOR EASTBOUND AND WESTBOUND MD 175 MOVEMENTS SHALL OPERATE CONCURRENTLY, AND EXCLUSIVELY. MD 713 (ROCKENBACH ROAD/ RIDGE ROAD) SHALL OPERATE IN A SPLIT-PHASED MODE.

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
- MS. JACQUELINE SCHULTZ- BGE**
PHONE: 410-470-8445

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE	QUANTITY	DESCRIPTION
973023	4 SF	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: 2 EA R10-3(1) COUNTDOWN PEDESTRIAN PUSHBUTTON SIGN "PUSH BUTTON TO CROSS ANNAPOLIS ROAD" (9"x15") POLE-MOUNTED 2 EA R10-3(1) COUNTDOWN PEDESTRIAN PUSHBUTTON SIGN "PUSH BUTTON TO CROSS RIDGE ROAD" (9"x15") POLE-MOUNTED

EQUIPMENT LIST 'B'

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

CATEGORY CODE	QUANTITY	DESCRIPTION
800000	4 EA	AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON AND SIGN
800000	4 EA	16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
801004	0.6 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	50 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805125	50 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
805135	940 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
805150	180 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED
811001	7 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	4 SF	INSTALL OVERHEAD SIGN
818004	3 EA	10' BREAKWAY PEDESTAL POLE
860265	8 EA	RELOCATE EXISTING SIGNAL HEAD
861105	720 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	750 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

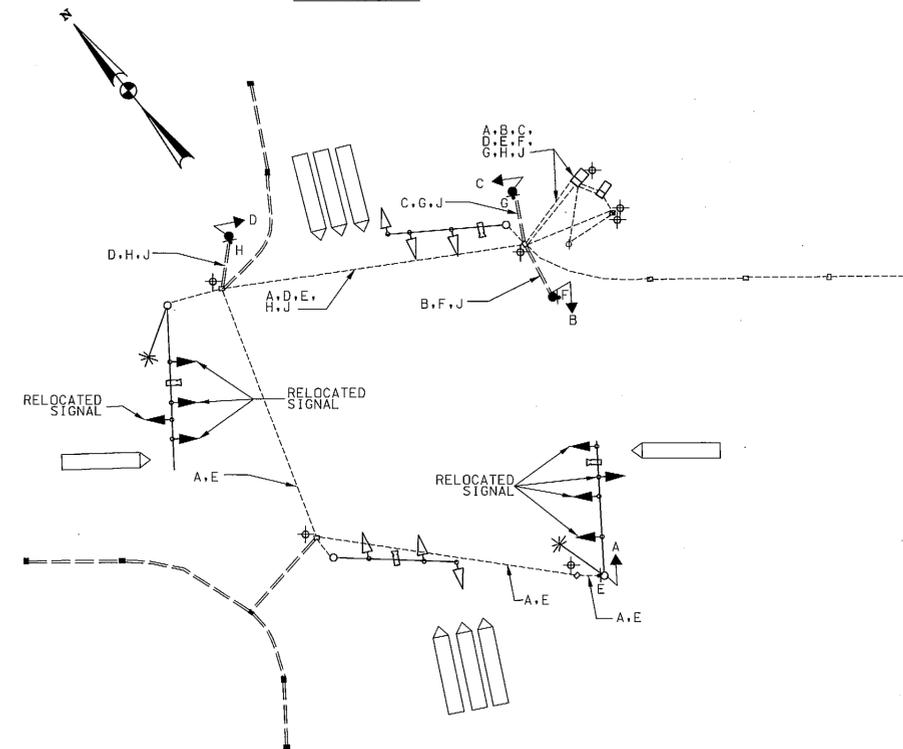
EQUIPMENT LIST 'C'

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
	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
Phase 1 & 5	<G-	<G-	R	R	<G-	<G-	R	R	R	R	R	R	R	R
1 & 5 Change	<Y-	<Y-	R	R	<Y-	<Y-	R	R	R	R	R	R	R	R
Phase 2 & 6	<R-	<R-	G	G	<R-	<R-	G	G	R	R	R	R	R	R
2 & 6 Change	<R-	<R-	Y	Y	<R-	<R-	Y	Y	R	R	R	R	R	R
Phase 3	<R-	<R-	R	R	<R-	<R-	R	R	<G/G	<G/G	G	R	R	R
3 Change	<R-	<R-	R	R	<R-	<R-	R	R	Y	Y	Y	R	R	R
Phase 4	<R-	<R-	R	R	<R-	<R-	R	R	R	R	R	<G/G	<G/G	G
4 Change	<R-	<R-	R	R	<R-	<R-	R	R	R	R	Y	Y	Y	Y
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

WIRING DIAGRAM



WIRING KEY

A,B,C,D	- 5 CONDUCTOR NO. 14 AWG ELEC. CABLE
E,F,G,H	- 2 CONDUCTOR NO. 14 AWG ELEC. CABLE
J	- NO 6 AWG STRANDED BARE COPPER GROUND WIRE
⊕	- EXISTING GROUND ROD (3/4" DIA. x 10' LENGTH)

PHASE 4

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

REVISION 'D' 23299.36

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 4 - GENERAL INFORMATION PLAN

SCALE 1" = 20' DATE OCTOBER 2010 CONTRACT NO. AA580-372

DESIGNED BY ENB COUNTY ANNE ARUNDEL
DRAWN BY ENB LOGMILE 02017507.31
CHECKED BY MRNR TMS NO. J-968
F.A.P. NO. ACPLHD-STP-TIP-3617(11)E. TOD NO.

TS NO. 1295D4-GI DRAWING SG-18.4 OF 26 SHEET NO. 138 OF 195

BY: bostic -