

DRILL HOLES

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING MAST ARM PEDESTRIAN CROSSING SIGNAL AT THE INTERSECTION OF MD 176 (DORSEY RD) AND CENTRAL AVENUE IN ANNE ARUNDEL COUNTY. THE EXISTING PEDESTRIAN PHASE ACROSS THE WEST LEG OF MD 176 (DORSEY RD) SHALL BE UPGRADED TO A COUNTDOWN PEDESTRIAN PHASE. MD 176 (DORSEY RD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION WILL CONTINUE TO OPERATE AS A PEDESTRIAN CROSSING WITH THE MD 176 (DORSEY RD) APPROACHES RUNNING IN A FLASHING YELLOW MODE. THE PEDESTRIAN PHASE ACROSS THE WEST LEG OF MD 176 (DORSEY RD) SHALL NOW BE UPGRADED TO A COUNTDOWN PEDESTRIAN PHASE AND SHALL CONTINUE TO BE ACTIVATED BY A SCHOOL CROSSING GUARD WITH A TURN-KEY.
2. THE EXISTING FULL TRAFFIC EIGHT PHASE CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A NEMA SIZE 5 POLE MOUNTED CABINET SHALL BE UTILIZED AT THIS INTERSECTION.

III. SPECIAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE.
2. ALL UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN UTILITIES AND SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.

The contact persons for District #5 and SHA are as follows:

Ms. Kim Tran  
Assistant District Engineer - Traffic  
Phone: (410) 841-1019

Mr. Joe Geckle  
Assistant District Engineer - Maintenance  
Phone: (410) 841-1000

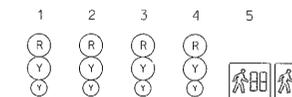
Mr. Mike Huber  
Assistant District Engineer - Utility  
Phone: (410) 841-1039

Mr. Avijit Maji  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Manager, Signal Operations Section  
410-787-7652

Mr. Sonny Bailey  
Manager, Sign Shop Operations  
410-787-7676

PHASE CHART



NORMAL OPERATION	8"FL/Y	8"FL/Y	8"FL/Y	8"FL/Y	DW	DW	←
SPECIAL OPERATION	QUICK 8"FL/Y	QUICK 8"FL/Y	QUICK 8"FL/Y	QUICK 8"FL/Y	DW	DW	←
	12" Y	12" Y	12" Y	12" Y	DW	DW	←
	R	R	R	R	WK	WK	←
	R	R	R	R	FL/DW	FL/DW	←
	R	R	R	R	DW	DW	←

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	50 SF	SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN - 2 EACH R10-4(1) SIGN (9"x12") - 2 EACH S1-1(1) SIGN (96"x36")

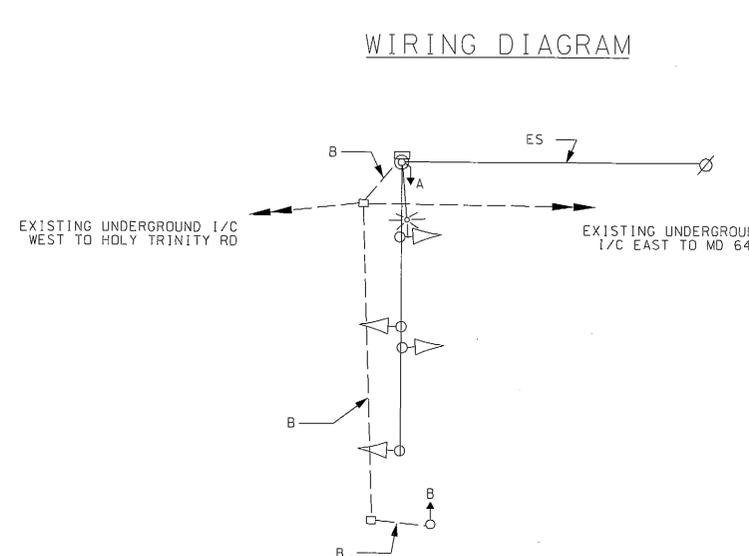
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
5003	575 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
5004	530 LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
5005	45 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	75 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	425 SF	5 INCH CONCRETE SIDEWALK
6003	22 SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
8018	2 EACH	16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
8027	1 EACH	REMOVE AND DISPOSE OF MATERIAL & EQUIPMENT (PER ASSIGNMENT)
8045	50 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8060	160 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM



TOD NO: XY139-03  
SHA NO: AA189B53  
MD 162, MD 170, MD 176 @ Various Locations

WIRING KEY

A } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

ES - EXISTING OVERGEAD SERVICE TO BE MAINTAINED BY BGE

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 176 (DORSEY ROAD) AT CENTRAL AVENUE  
HANOVER, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1" = 20' DATE 2/6/2013 CONTRACT NO. XY1395185

DESIGNED BY A. BEKELE COUNTY ANNE ARUNDEL

DRAWN BY O. GEORGE LOGMILE 02017605.56

CHECKED BY [Signature] TMS NO. L653

F.A.P. NO. TOD NO.

TS NO. 3360 DRAWING TSP-3 OF 3 SHEET NO. 33 OF 33

**O. R. GEORGE & ASSOCIATES, INC.**  
Traffic Engineers - Transportation Planners  
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Lanham, MD 20706  
(301) 794-7700