

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF APS/CPS OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 28 (W. MONTGOMERY AVENUE) AND BULLARD CIRCLE/LAIRD STREET IN MONTGOMERY COUNTY. MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, SEMI-TRAFFIC-ACTUATED MODE. MD 28 THRU MOVEMENTS WILL OPERATE CONCURRENTLY AND BULLARD CIRCLE/LAIRD STREET THRU MOVEMENTS WILL ALSO OPERATE CONCURRENTLY. THERE ARE ALTERNATE PEDESTRIAN PHASES FOR BOTH THE EAST AND WEST LEGS OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. XY1515185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
900000	4	SF	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN
	4	EA	R10-3(1) (9" x 15") POLE MOUNTED

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

CATEGORY CODE	QUANTITY	UNIT	DESCRIPTION
100000	1	EA	MAINTENANCE OF TRAFFIC
585621	240	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585625	30	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585700	210	LF	REMOVAL OF EXISTING PAVEMENT MARKING LINES, ANY WIDTH
800000	1	EA	2-WIRE APS CENTRAL CONTROL UNIT
800000	4	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
800000	1	EA	REMOVE & DISPOSE OF EXISTING SIGNAL EQUIPMENT
800000	4	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
800000	2	EA	5 FOOT OR 10 FOOT PEDESTAL POLE WITH BREAKAWAY COUPLINGS, FOUNDATION & GROUND ROD
860284	24	EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861105	540	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED

ALL EXISTING SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.

CONTACTS

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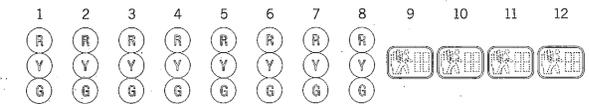
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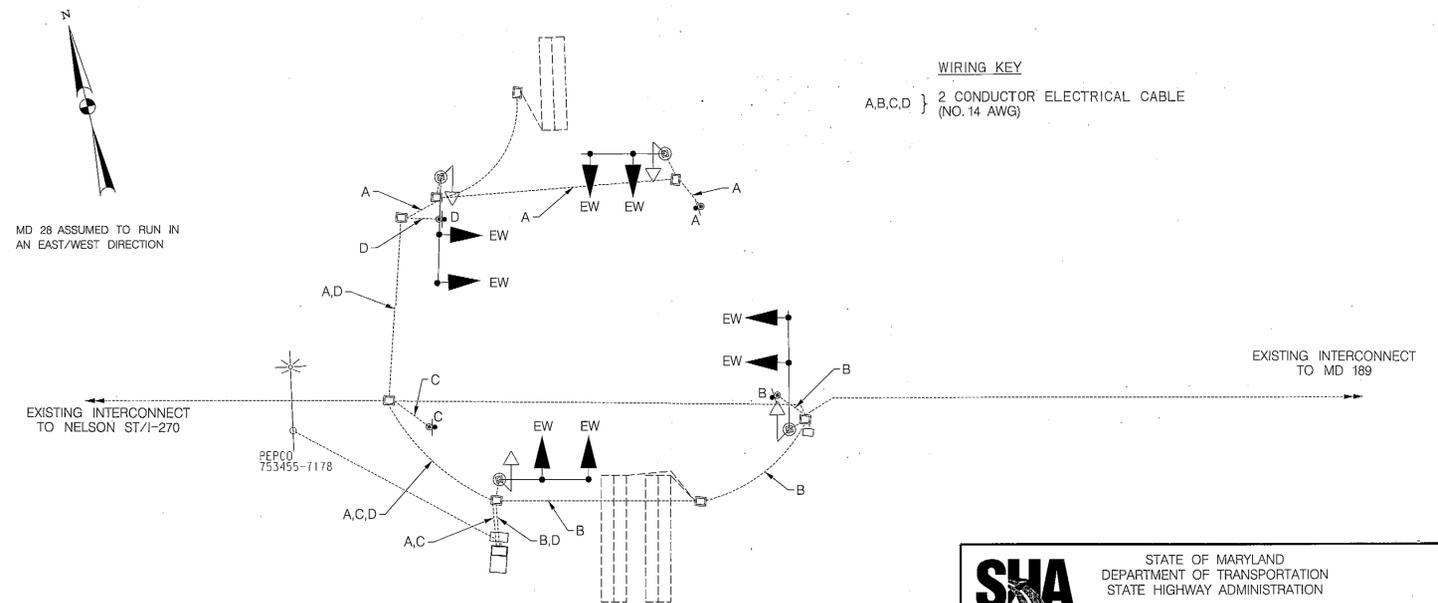
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Montgomery County DOT
Phone: (240) 876-3681

PHASE CHART



PHASE	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 2 AND 6	G	G	G	G	R	R	R	R	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
4 ALT AND 8 ALT	R	R	R	R	G	G	G	G	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 ALT & 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

WIRING DIAGRAM



SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 28 (W. MONTGOMERY AVENUE) AT
BULLARD CIRCLE/LAIRD STREET
ROCKVILLE, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 03/2013 CONTRACT NO. XY1515185

DESIGNED BY DM COUNTY MONTGOMERY

DRAWN BY DM LOGMILE 15002821.74

CHECKED BY RM TIMS NO. L803

F.A.P. NO. TOD NO.

TS NO. 1334-F DRAWING GI-1 OF 1 SHEET NO. 3 OF 3

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