

**PROJECT DESCRIPTION**

**I. GENERAL**

THIS PROJECT INVOLVES THE INSTALLATION OF APS/CPS TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 119 (GREAT SENECA HIGHWAY) AND MATENY ROAD IN MONTGOMERY COUNTY, MD 119 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**II. INTERSECTION OPERATION**

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, SEMI-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR WEST APPROACH OF MD 119 ALONG WITH A RIGHT TURN OVERLAP FOR MATENY ROAD. MD 119 THRU MOVEMENTS WILL OPERATE CONCURRENTLY AND THE MATENY ROAD MOVEMENT WILL RUN ALONE. THERE IS A PEDESTRIAN PHASE FOR THE EAST LEG OF THE INTERSECTION CROSSING MATENY RD AND THERE IS ALTERNATE PEDESTRIAN PHASE FOR THE NORTH LEG OF THE INTERSECTION CROSSING MD 119.

**EQUIPMENT LIST FOR CONTRACT NO. XY1515185**

**A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION**

ITEM	QUANTITY	UNIT	DESCRIPTION
900000	71	SF	SHEET ALUMINUM GROUND MOUNTED SIGN
	8	EA	S1-1 (30" x 30") GROUND MOUNTED
	4	EA	W16-7L (24" x 12") GROUND MOUNTED
	4	EA	W16-7R (24" x 12") GROUND MOUNTED
	1	EA	R4-7 (24" x 30") GROUND MOUNTED
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**

ITEM	QUANTITY	UNIT	DESCRIPTION
100000	1	EA	MAINTENANCE OF TRAFFIC
201032	4	CY	CLASS 2 EXCAVATION
203030	4	CY	TEST PIT EXCAVATION
504150	2.1	TON	HOT MIX ASPHALT SUPERPAVE 9.5MM FOR SURFACE, PG76-22, LEVEL-3
520109	18	SY	3 INCH GRADED AGGREGATE BASE COURSE
585621	940	LF	12 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS
585625	80	LF	24 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS
585700	710	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LINES, ANY WIDTH
600000	135	LF	TYPE A COMBINATION CURB AND GUTTER ANY HEIGHT OR DEPTH
655105	540	SF	5 INCH CONCRETE SIDEWALK
655120	35	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
704345	13	SY	PLACING FURNISHED TOPSOIL 4 INCH DEPTH
705500	13	SY	TURFGRASS ESTABLISHMENT
708220	13	SY	TURFGRASS SOD ESTABLISHMENT
800000	4	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
800000	1	EA	REMOVE & DISPOSE OF EXISTING SIGNAL EQUIPMENT
800000	4	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
800000	1	EA	CONDUIT BEND IN EXISTING FOUNDATION BASE (ANY SIZE)
800000	4	EA	5 FOOT PEDESTAL POLE WITH BREAKAWAY COUPLINGS, FOUNDATION & GROUND ROD
800000	85	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
800000	75	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
800000	1	EA	THIRD PARTY CONCRETE TESTING
800000	130	LF	WOOD SIGN SUPPORTS UP TO 4 INCH X 6 INCH
802501	85	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
861105	550	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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District Utility Engineer  
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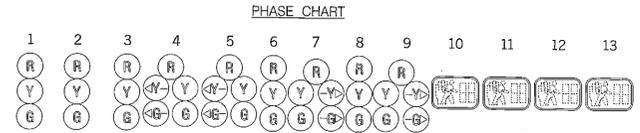
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Manager, Sign Operations  
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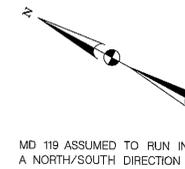
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Mr. Kamal Hamud  
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Montgomery County DOT  
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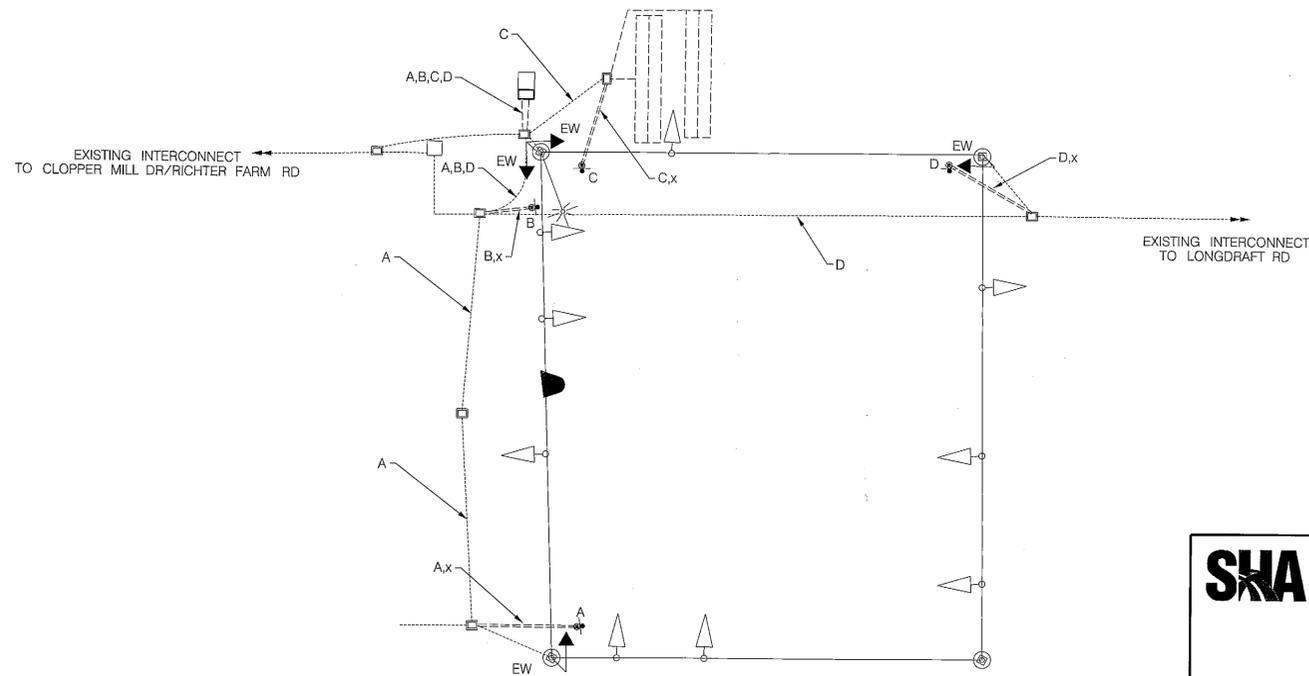
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Supervisor, Montgomery Technical Center  
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PHASE 1 AND 6	R	R	R	←G/G	←G/G	G	R/G→	R	R/G→	DW	DW	DW	DW	
1 CHANGE	R	R	R	←Y/G	←Y/G	G	R/Y→	R	R/Y→	DW	DW	DW	DW	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	DW	DW	WK	WK	
PED CLEARANCE	G	G	G	G	G	G	R	R	R	DW	DW	FL/DW	FL/DW	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	DW	DW	DW	DW	
PHASE 4	R	R	R	R	R	R	G/G→	G	G/G→	DW	DW	DW	DW	
4 CHANGE	R	R	R	R	R	R	Y/Y→	Y	Y/Y→	DW	DW	DW	DW	
PHASE 4 ALT	R	R	R	R	R	R	G/G→	G	G/G→	WK	WK	DW	DW	
PED CLEARANCE	R	R	R	R	R	R	G/G→	G	G/G→	FL/DW	FL/DW	DW	DW	
4 ALT CHANGE	R	R	R	R	R	R	Y/Y→	Y	Y/Y→	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	



**WIRING DIAGRAM**



**WIRING KEY**

- A,B,C,D } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- EW } USE EXISTING WIRE
- x } STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 119 (GREAT SENECA HIGHWAY) AT  
MATENY ROAD  
GERMANTOWN, MD

**GENERAL INFORMATION PLAN SHEET**

SCALE NONE ADVERTISED DATE 03/2013 CONTRACT NO. XY1515185

DESIGNED BY DM COUNTY MONTGOMERY  
DRAWN BY DM LOGMILE 1501905.07  
CHECKED BY RM TMS NO. L803  
F.A.P. NO. TOD NO.

TS NO. 10686 DRAWING GN-1 OF 1 SHEET NO. 3 OF 3

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