

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES UPGRADING THE EXISTING PEDESTRIAN CROSSINGS AT THE INTERSECTION OF MD 450 AND MILLSTREAM/STONYBROOK DRIVE IN PRINCE GEORGE'S COUNTY TO CURRENT APS/CPS STANDARDS. THE EXISTING HANDICAP RAMPS WILL BE UPGRADED TO CURRENT STANDARDS MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION. THE MODULES IN THE EXISTING TRAFFIC SIGNAL HEADS WILL ALSO BE REPLACED WITH L.E.D. MODULES.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR BOTH APPROACHES OF MD 450. MD 450 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY WITH CONCURRENT PEDESTRIAN MOVEMENTS TO CROSS BOTH LEGS OF MILLSTREAM DR/STONYBROOK DR. MILLSTREAM DR/STONYBROOK DR WILL OPERATE CONCURRENTLY WITH AN ALTERNATE PEDESTRIAN PHASE TO CROSS BOTH LEGS OF MD 450. THE INTERSECTION CONTROLLER INTERCONNECTS WITH THE CONTROLLER AT THE INTERSECTION OF MD 450 AT BELAIR ROAD AND AT THE INTERSECTION OF MD 450 AT THE BOWIE VOLUNTEER FIREHOUSE ENTRANCE.

III. SPECIAL NOTE:

ALL UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE BECAUSE THESE UTILITIES MAY BE MODIFIED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY.

CONTACTS

The contact persons for this project are as follows:

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Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
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Utility Engineer
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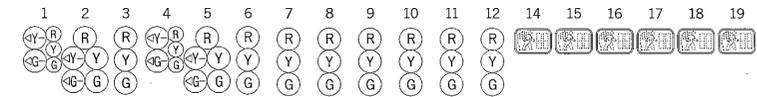
Mr. Richard L. Daff, Sr.
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Mr. Ed Rodenhizer
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Mr. Sonny Bailey
Supervisor, Sign Shop
Phone: 410-787-7676

Ms. Darlene Ejde
Supervisor, Signal Warehouse
Phone: 410-787-7668

PHASE CHART



PHASE 1 AND 5	←RG	←RG	R	←RG	←RG	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
1 AND 5 CHANGE	←RY	←RY	R	←RY	←RY	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	DW	WK	DW	WK	WK	WK	
PED CLEAR	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	DW	FLDW	DW	FLDW	FLDW	FLDW	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	
ALT 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	G	G	G	FLDW	DW	WK	DW	DW	DW	
PED CLEAR	R	R	R	R	R	R	G	G	G	G	G	G	G	G	G	FLDW	DW	FLDW	DW	DW	DW	
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	
PRE-EMPTION	R	R	R	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
PRE-EMPT CHANGE	R	R	R	Y	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FL/R	DARK	DARK	DARK	DARK	DARK	DARK									

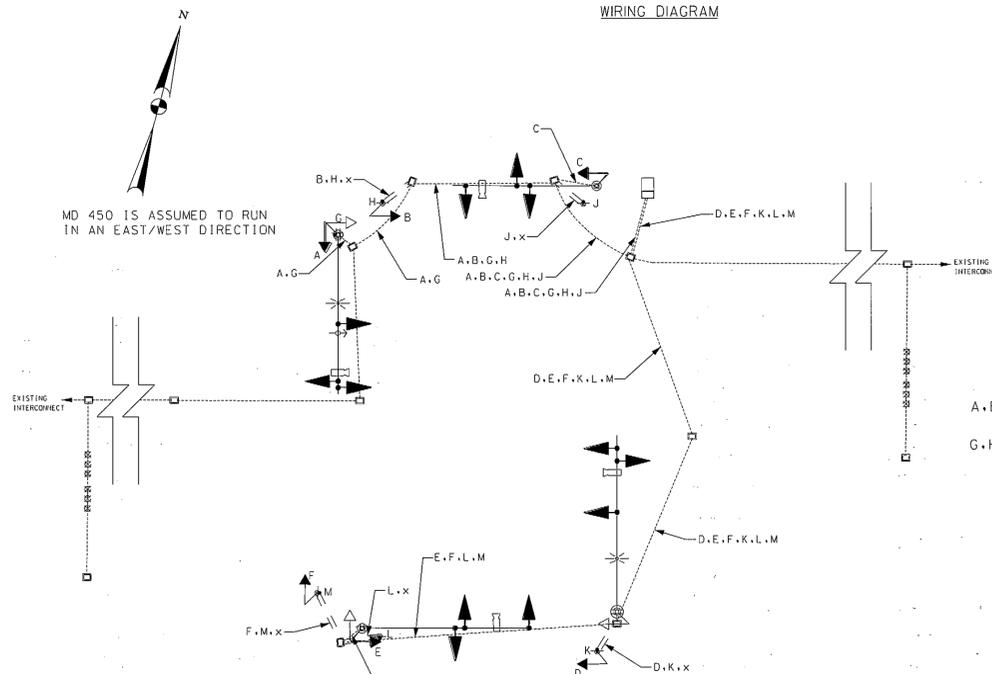
EQUIPMENT LIST FOR CONTRACT NO. XX4275185

B. EQUIPMENT TO BE FURNISHED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9570	6	SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN
	6	EA	R 10-3 (1) (9' X 15') GROUND MOUNTED

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

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2002	1	CY	TEST PIT EXCAVATION
5001	780	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LETTERS, SYMBOLS, ARROWS AND NUMBERS
5002	1	EA	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LETTERS, SYMBOLS, ARROWS AND NUMBERS
5005	510	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
5006	105	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
5007	20	SF	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
6001	315	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	1440	SF	5 INCH CONCRETE SIDEWALK
8002	5	EA	2 WIRE CENTRAL CONTROL UNIT
8007	6	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS
8008	6	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8010	6	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
8011	41	EA	LED SIGNAL HEAD MODULES (ANY SIZE)
8013	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8018	65	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8019	56	SF	DETECTABLE WARNING SURFACES
8020	475	SF	REMOVE & RESET DECORATIVE BRICK
8023	975	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8025	1050	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8033	65	LF	NEG - APPROVED - FURNISH & INSTALL #6 BARE COPPER GROUND WIRE
8034	6	SF	NEG - APPROVED - INSTALL OVERHEAD OR GROUND MOUNTED SIGN



WIRING KEY

A,B,C,D,E,F } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

G,H,J,K,L,M } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

x } NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

NOTE: ALL EXISTING WIRING WILL BE UTILIZED.

TOD NO:XX427-05
SHA NO:PG756A51/B51
MD 450 @ MILLSTREAM DR

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 450 AT MILLSTREAM /STONYBROOK DRIVE
TRAFFIC SIGNAL MODIFICATION
BOWIE, MD

GENERAL INFORMATION PLAN SHEET

SCALE	NTS	ADVERTISED DATE	08/2009	CONTRACT NO.	XX4275185
DESIGNED BY		COUNTY	PRINCE GEORGE'S		
DRAWN BY	X.M.	LOGMILE	16045012.42		
CHECKED BY	J.B.	TMS NO.	3542		
F.A.P. NO.		TOD NO.			
TS NO.	670E	DRAWING	OF	SHEET NO.	3 OF 3



BY: xieoyu