

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES INSTALLATION OF NEW ADA RAMPS AND APS/CPS PEDESTRIAN TRAFFIC SIGNAL EQUIPMENT AT THE INTERSECTION OF MD 450 AT FORBES BLVD. IN PRINCE GEORGE'S COUNTY. MD 450 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SEVEN-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE IS EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING FOR BOTH APPROACHES OF MD 450. THE MD 450 THROUGH MOVEMENTS OPERATE CONCURRENTLY WITH A CONCURRENT PEDESTRIAN MOVEMENT TO CROSS NORTH LEG OF FORBES BLVD. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR THE NORTHBOUND APPROACH OF FORBES BLVD. THE FORBES BLVD. THROUGH MOVEMENTS OPERATE CONCURRENTLY.

CONTACTS

The contact persons for this project are as follows:

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Mr. Sonny Bailey
Supervisor, Sign Shop
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PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 AND 5	<GR	<GR	R	<GR	<GR	R	R	R	R	R	R	R	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6														
PHASE 1 AND 6	<GG	<GG	G	R	R	R	R	R	R	R	R	R	DW	DW
1 AND 6 CHANGE	<YG	<YG	G	R	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 AND 5	R	R	R	<GG	<GG	G	R	R	R	R	R	R	WK	WK
2 AND 5 CHANGE	R	R	R	<YG	<YG	G	R	R	R	R	R	R	WK	WK
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3 AND 8	R	R	R	R	R	R	<GG	<GG	G	R	R	R	DW	DW
3 AND 8 CHANGE	R	R	R	R	R	R	<YG	<YG	G	R	R	R	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	DARK	DARK						

EQUIPMENT LIST FOR CONTRACT NO. XX4495185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

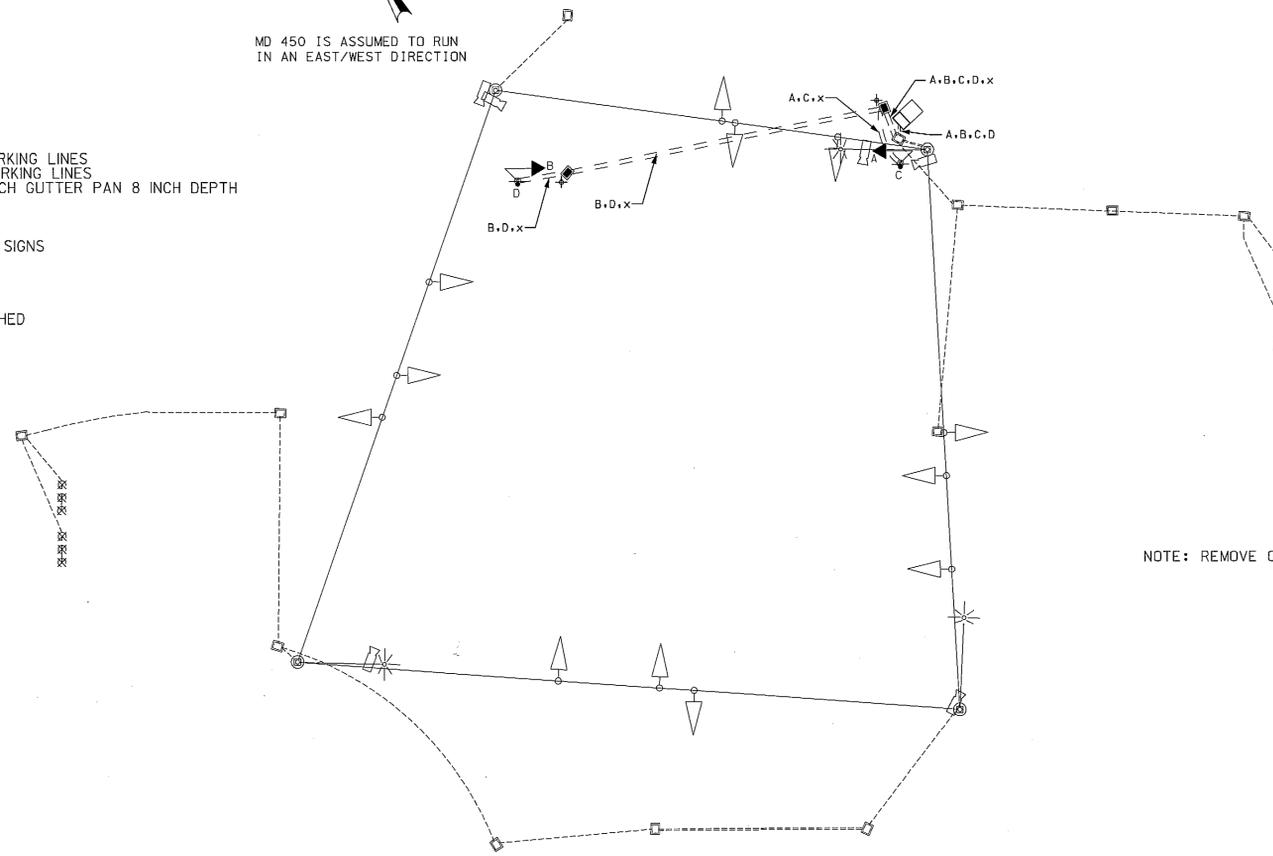
ITEM	QUANTITY	UNIT	DESCRIPTION
9570	2	SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN
	2	EA	R10-3(1) (9' X 15') GROUND MOUNTED
9571	40	SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN
	2	EA	R3-5L (30' X 36') SPAN WIRE MOUNTED
	1	EA	SHIELD ASSEMBLY (48' X 75') POLE MOUNTED

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

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
1002	440	LF	REM OF EXISTING PERM PVMT LINE MARKINGS ANY WIDTH
2002	1	CY	TEST PIT EXCAVATION
5002	165	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
5003	35	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	135	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
6002	545	SF	5 INCH CONCRETE SIDEWALK
8003	1	EA	2 WIRE CENTRAL CONTROL UNIT
8009	1	EA	ADJUST HANDHOLE TO GRADE
8010	2	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8011	2	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8014	2	EA	LED 16 INCH COUNTDOWN PEDESTRIAN HEAD
8016	1	EA	REM & DISPOSE MAT & EQUIP PER ASSIGN
8025	85	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8027	40	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8028	32	SF	DETECTABLE WARNING SURFACES
8044	2	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8045	2	SF	INSTALL GROUND MOUNTED SIGN
8046	40	SF	INSTALL OVERHEAD SIGN
8055	155	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8057	175	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

WIRING DIAGRAM



WIRING KEY

- A,B } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C,D } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- x } NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- + } GROUND ROD
- PF } POWER FEED

NOTE: REMOVE OLD PEDESTRIAN SIGNAL HEAD RELATED WIRES FROM CONDUITS.



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 AT FORBES BOULEVARD
SEABROOK, MD

GENERAL INFORMATION PLAN SHEET

SCALE: NTS DATE: 12/2009 CONTRACT NO.: XX4495185

DESIGNED BY: XM COUNTY: PRINCE GEORGE'S
DRAWN BY: XM LOGMILE: 16045006.59
CHECKED BY: JB TMS NO.: 1526
F.A.P. NO.: TOD NO.:

TS NO. 3600B DRAWING -- OF SHEET NO. 3 OF 3



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