

**PROJECT DESCRIPTION**

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 322 AND MARLBORO AVE. IN TALBOT COUNTY. THE WORK INCLUDES ADDING A PEDESTRIAN MOVEMENT ON THE SOUTH LEG OF MD 322. MD 322 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**

THE MD 322 INTERSECTION OPERATES IN A NEMA EIGHT-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR ALL APPROACHES.

**CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:**

MR. JEFFERY WENTZ  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
(410) 810-3240

MR. MIKE LEWIS  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(410) 810-3250

MR. BARRY CLOTHIER  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
(410) 810-3275

**CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY**

MR. RICHARD DAFF, SR., CHIEF  
TRAFFIC OPERATIONS DIVISION  
(410) 787-7630

MR. EUGENE BAILEY, CHIEF  
SIGN OPERATIONS SECTION  
(410) 787-7676

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF,  
TRAFFIC OPERATIONS DIVISION  
(410) 787-7631

MR. MICHAEL STOCKER  
SUPPLY OFFICE  
SIGNAL SHOP WAREHOUSE  
(410) 787-7668

MR. ED RODENHIZER, CHIEF  
SIGNAL OPERATIONS SECTION  
(410) 787-7652

**APS WILL FUNCTION AS FOLLOWS**

TO CROSS MD 322 (EASTON PARKWAY)

A. When a pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message. "Wait to cross Easton at Marlboro and Westside, wait"

B. When the WALK phase begins, the pushbutton will provide a rapid tick which will last for the duration of the WALK phase.

**EQUIPMENT LIST "A"**

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

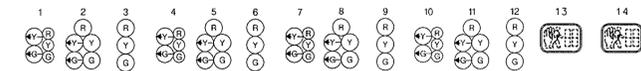
ITEM NO.	QUANTITY	DESCRIPTION
1001	3 SF	Sheet aluminum signs to consist of: (mast arm or pole mount)  Pedestrian education R10-3(1) sign. (Note: Sign to read "PUSHBUTTON TO CROSS EASTON PKWY" (9"X15").

**EQUIPMENT LIST "B"**

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

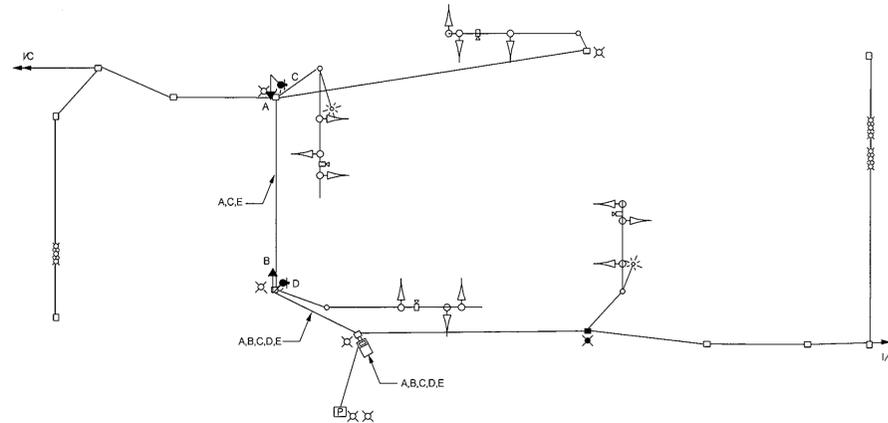
ITEM	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5001	120 LF	REMOVAL OF EXISTING PAVEMENT MARKING
5004	145 LF	F & 1/2" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
5005	40 LF	F & 1/4" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
6001	70 LF	F & 1 STANDARD TYPE "A" COMBINATION CURB AND GUTTER
6002	460 SF	F & 15" CONCRETE SIDEWALK
6003	20 SF	F & 1 DETECTABLE WARNING SURFACE FOR CURB RAMPS
8002	1 EA	F & 12-WIRE CENTRAL CONTROL UNIT
8008	2 EA	F & 1 AUDIBLE / TACTILE PEDESTRIAN PUSH BUTTON STATION
8009	2 EA	F & 1 BREAKAWAY PEDESTRIAN POLE (ANY SIZE)
8015	2 EA	F & 1 16" PEDESTRIAN COUNTDOWN PEDESTRIAN SIGNAL
8038	15 LF	F & 1 UP TO 4" SCHEDULE 80 RIDIG PVC CONDUIT - TRENCHED
8040	3 SF	INSTALL OVERHEAD OF GROUND MOUNTED SIGN
8042	270 LF	F & 1 No. 6 STRANDED BARE COPPER GROUND WIRE
8053	285 LF	F & 1 ELECTRICAL CABLE - 2 CONDUCTOR (No. 14 AWG)
8055	305 LF	F & 1 ELECTRICAL CABLE - 5 CONDUCTOR (No. 14 AWG)

**PHASING CHART**



PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 & 5	R	R	R	R	R	R	R	R	R	R	R	R	R	R
1 & 5 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 1 & 6	R	R	R	R	R	R	R	R	R	R	R	R	R	R
1 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 2 & 5	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2 & 5 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 2 & 6	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2 & 6 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 3 & 7	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3 & 7 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 3 & 8	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3 & 8 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 4 & 7	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4 & 7 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 4 & 8	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4 & 8 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 4 ALT & 8	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4 ALT PED CLEAR & 8	G	G	G	G	G	G	G	G	G	G	G	G	G	G
4 & 8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FLY	DARK	DARK											

**WIRING DIAGRAM**



**WIRING KEY**

- A,B — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- C,D — 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
- E — STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

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

**GENERAL INFORMATION SHEET**  
MD 322 AND MARLBORO AVE.  
(EASTON, MARYLAND)

SCALE: NONE    DATE: 9/23/2011    CONTRACT NO.: XX6615185

DESIGNED BY: F Anuszewski    COUNTY: TALBOT  
DRAWN BY: F Anuszewski    LOGMILE: 2032203.29  
CHECKED BY:    T.I.M.S. NO.: L131  
F.A.P. NO.:    TOD NO.:

DRAWING NO.: TS-3388 F GI    SHEET NO.: 2 OF 2

FILE PATH: signal\_gi.dgn  
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