

**PROJECT DESCRIPTION**

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL LOCATED AT THE INTERSECTION OF US 50 AND DUTCHMAN'S LANE IN EASTON, TALBOT COUNTY. THE MODIFICATION INCLUDES CHANGING THE EXCLUSIVE/PERMISSIVE (E/P) PHASE TO EXCLUSIVE PHASE FOLLOWED BY A FLASHING LEFT TURN ARROW PHASE. US 50 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

**INTERSECTION OPERATION**

1. THE INTERSECTION WILL OPERATE AS A NEMA SIX-PHASE FULLY ACTUATED WITH EXCLUSIVE/PERMISSIVE FLASHING RED ARROW LEFT TURN FOR THE MAINLINE (US 50) APPROCHES AND SPLIT PHASE OPERATION FOR THE SIDE STREET (DUTCHMAN'S LANE).
2. THE EXISTING NEMA FULL TRAFFIC ACTUATED EIGHT-PHASE CONTROLLER HOUSED IN A NEMA 6 BASE MOUNTED CABINET IS UTILIZED AT THIS INTERSECTION.

**EQUIPMENT LIST**

**A. EQUIPMENT TO BE SUPPLIED BY THE SHA**

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
9571	SHEET ALUMINUM SIGNS CONSISTING OF: R10-12(2) (48"x36") MAST ARM MOUNT - 2 EACH	24	SF

**1 B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR**

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
1001	MAINTENANCE OF TRAFFIC	2	EA
8001	12 INCH LED SIGNAL HEAD SECTION	18	EA
8028	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	1	EA
8045	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	24	SF
8060	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	650	LF
<b>8018</b>	<b>INTERSECTION POLICE CONTROL</b>	<b>1</b>	<b>EA</b>
<b>8067A</b>	<b>PROTECTION VEHICLE - TRUCK MOUNTED ATTENUATOR</b>	<b>2</b>	<b>UD</b>

**C. EQUIPMENT TO BE REMOVED/RETURNED TO THE SHA**

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

**CONTACT LIST:**

**DISTRICT 2 OFFICE**

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

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

MR. HENRY TEETS  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(410) 810-3250

**OFFICE OF TRAFFIC AND SAFETY**

MS. CORREN JOHNSON  
CHIEF, TRAFFIC OPERATIONS  
(410) 787-7630

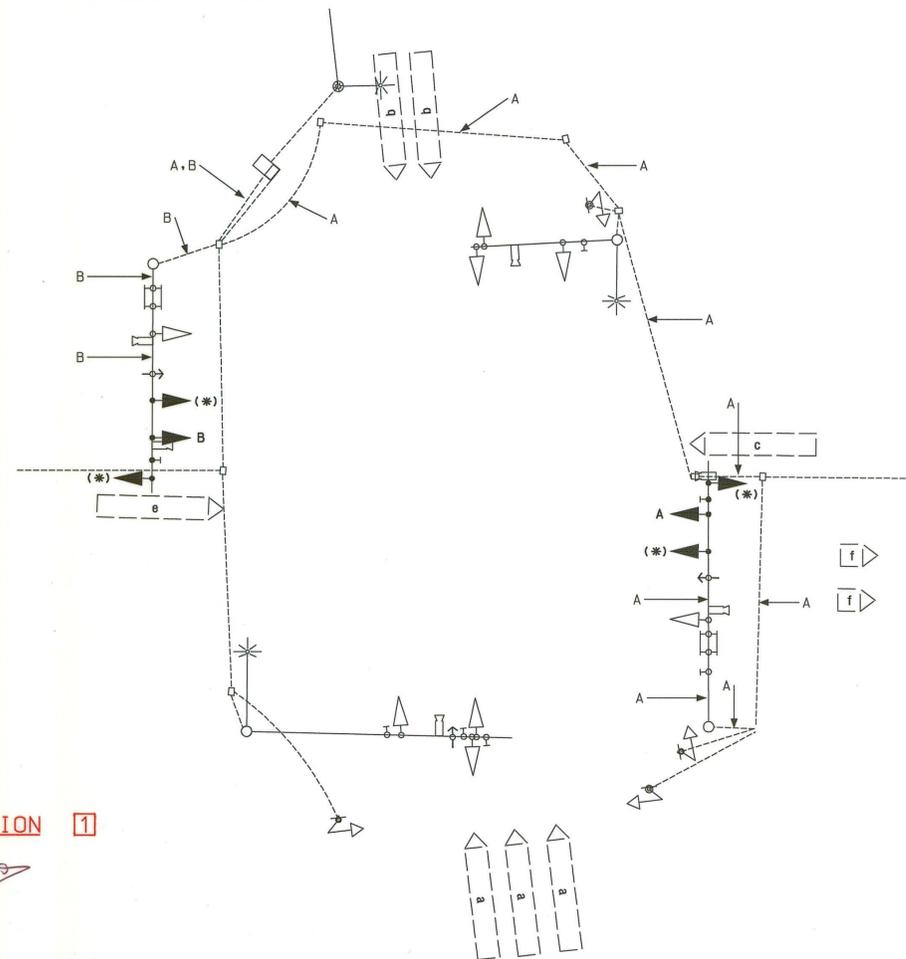
MR. EDWARD RODENHIZER  
MANAGER, SIGNAL OPERATIONS  
(410) 787-7650

MR. EUGENE BAILEY  
MANAGER, SIGN OPERATIONS  
(410) 787-7670

**PHASING CHART**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 & 5	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 5 CHANGE	PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6														DW	DW	DW	DW
PHASE 1 & 6	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 6 CHANGE	←Y-	←Y-	G	G	←R-	←R-	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R	R	R	DW	DW	DW	DW
2 & 5 CHANGE	←R-	←R-	R	R	←Y-	←Y-	G	G	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	←FLR-	←FLR-	G	G	←FLR-	←FLR-	G	G	R	R	R	R	R	R	W	W	DW	DW
PED CLEAR/COUNTDOWN	←FLR-	←FLR-	G	G	←FLR-	←FLR-	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
PHASE 2 & 6	←FLR-	←FLR-	Y	Y	←FLR-	←FLR-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	←R-	←R-	R	R	←R-	←R-	R	R	←G-	←G-	G	R	R	G	DW	DW	DW	DW
3 CHANGE	←R-	←R-	R	R	←R-	←R-	R	R	←G-	←G-	G	R	R	G	DW	DW	DW	DW
PHASE 3 ALT	←R-	←R-	R	R	←R-	←R-	R	R	←G-	←G-	G	R	R	G	DW	DW	W	W
PED CLEAR/COUNTDOWN	←R-	←R-	R	R	←R-	←R-	R	R	←G-	←G-	G	R	R	G	DW	DW	FL/DW	FL/DW
3 ALT CHANGE	←R-	←R-	R	R	←R-	←R-	R	R	Y	Y	Y	R	R	Y	DW	DW	DW	DW
PHASE 4	←R-	←R-	R	R	←R-	←R-	R	R	R	R	←G-	←G-	G	G	DW	DW	DW	DW
4 CHANGE	←R-	←R-	R	R	←R-	←R-	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	←FLR-	←FLR-	FLY	FLY	←FLR-	←FLR-	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK	DARK	DARK

**WIRING DIAGRAM**



**WIRING KEY**

- A, B : 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- (\*) : USE EXISTING CABLE

**REDLINE REVISION 1**

TEDD APPROVAL: *[Signature]*

DATE: 9/24/13

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 50 (OCEAN GATEWAY) AND DUTCHMAN'S LANE  
EASTON, MARYLAND

**GENERAL INFORMATION SHEET**

SCALE 1" = 20' ADVERTISED DATE SEPT. 2013 CONTRACT NO. XY1315185

DESIGNED BY MATAMBA KABENGELE COUNTY TALBOT  
DRAWN BY MATAMBA KABENGELE LOGMILE 20005012.51  
CHECKED BY DERRICK DICKERSON TMS NO. M231  
F.A.P. NO. TOD NO.

TS NO. 348 DRAWING SG-02 OF 02 SHEET NO. 2 OF 2

BY: MKabengele