

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC SIGNAL AT THE INTERSECTION OF US 50 (OCEAN GATEWAY) AT MD 992 (WALSTON SWITCH ROAD)/WALSTON SWITCH ROAD, IN WICOMICO COUNTY. VIDEO DETECTION WILL REPLACE THE DAMAGED LOOPS FOR WB AND SB PRESENCE DETECTION. US 50 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE EXISTING FIREHOUSE PRE-EMPTION PHASES WILL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET, CONTROLLER, EQUIPMENT AND ASSOCIATED HARNESSES SHALL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL ONE (1) VIDEO DETECTION INTERFACE EQUIPMENT WITHIN THE CABINET.

THE CONTACT PERSONS FOR DISTRICT #1 ARE AS FOLLOWS:

Mr. Gene Cofell
Assistant District Engineer - Traffic
Phone: 410-677-4040

Mr. Bruce Poole
Assistant District Engineer - Utility
Phone: 410-677-4082

Mr. James Wright
Assistant District Engineer - Maintenance
Phone: 410-677-4010

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Edward Rodenhizer
Chief, SHA Signal Shop
Phone: 410-787-7650

The Power Company Representative is:
Delmarva Power
2530 N Salisbury Blvd.
Salisbury, Maryland
1-800-375-7117

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9086	1 EA	UPDATED VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT
8007	2 EA	VIDEO DETECTION CAMERA AND CABLE

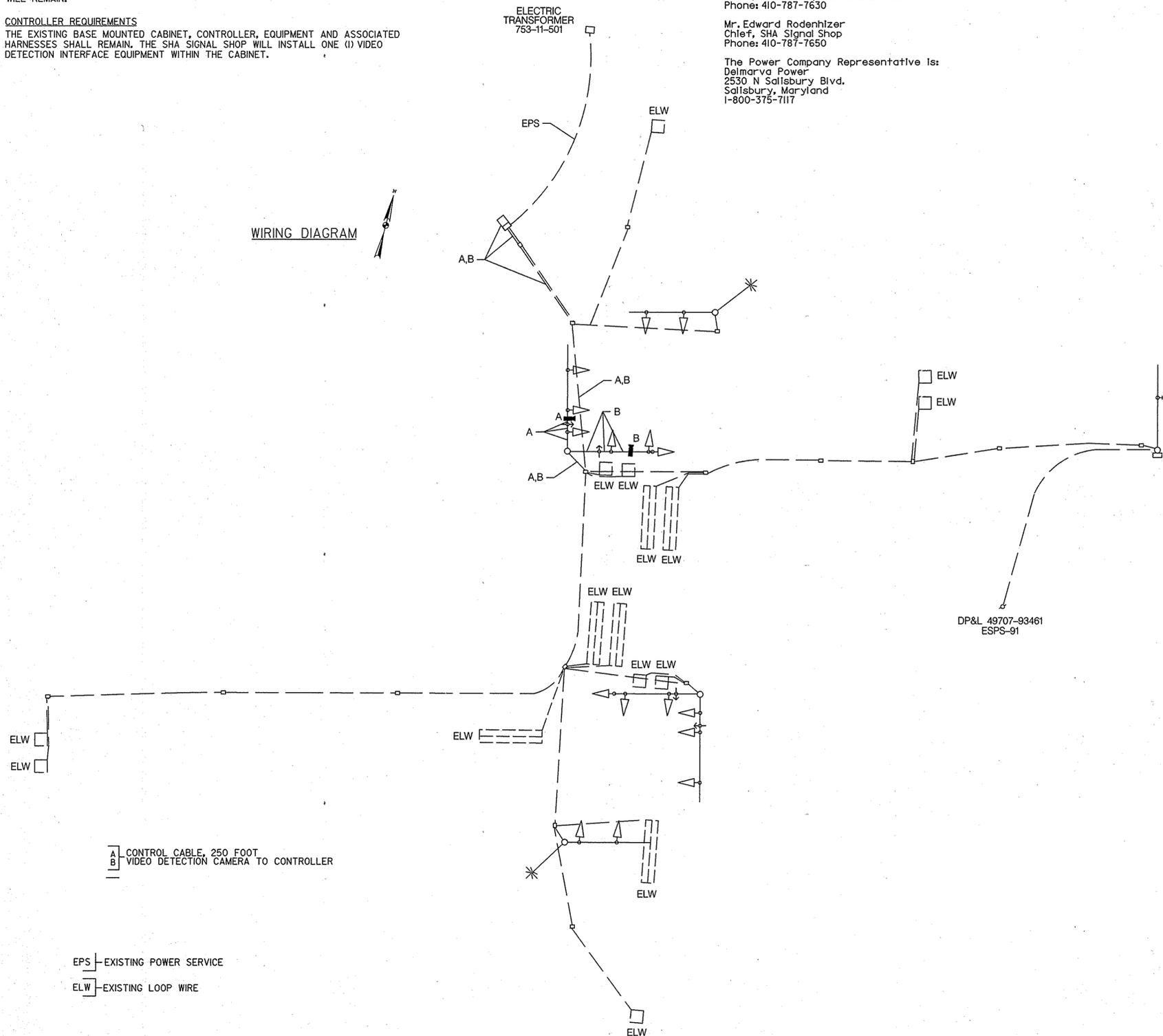
EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO. QUANTITY DESCRIPTION

NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	21	
	(R) (Y) (G)																	
PHASE 1 AND 6	+G-	+G-	G	G	+R-	+R-	R	R	R	R	+GG	G	R	R	R	R	FLASH	
PHASE 1 CHANGE	+Y-	+Y-	G	G	+R-	+R-	R	R	R	R	+YY	Y	R	R	R	R	FLASH	
PHASE 2 AND 6	+R-	+R-	G	G	+R-	+R-	G	G	R	R	R	R	R	R	R	R	SIG. AHEAD	
PHASE 6 CHANGE	+R-	+R-	Y	Y	+R-	+R-	G	G	R	R	R	R	R	R	R	R	SIG. AHEAD	
PHASE 2 AND 5	+R-	+R-	R	R	+G-	+G-	G	G	R	R	R	R	R	R	R	+GG	G	SIG. AHEAD
PHASE 2 AND 5 CHANGE	+R-	+R-	R	R	+Y-	+Y-	Y	Y	R	R	R	R	R	R	R	+YY	Y	SIG. AHEAD
PHASE 4 & 8	+R-	+R-	R	R	+R-	+R-	R	R	G	G	G	G	G	G	G	G	G	FLASH
PHASE 4 & 8 CHANGE	+R-	+R-	R	R	+R-	+R-	R	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	FLASH
PRE-EMPTION 1	+R-	+R-	R	R	+G-	+G-	G	G	R	R	R	R	R	R	R	+GG	G	SIG. AHEAD
PRE-EMPTION 1 CHANGE	+R-	+R-	R	R	+Y-	+Y-	Y	Y	R	R	R	R	R	R	R	+YY	Y	SIG. AHEAD
PRE-EMPTION 2	+G-	+G-	G	G	+R-	+R-	R	R	R	R	+GG	G	R	R	R	R	FLASH	
PRE-EMPTION 2 CHANGE	+G-	+G-	Y	Y	+R-	+R-	R	R	R	R	+YY	Y	R	R	R	R	FLASH	
PRE-EMPTION 3	+R-	+R-	R	R	+R-	+R-	R	R	G	G	+GG	G	R	R	R	R	FLASH	
PRE-EMPTION 3 CHANGE	+R-	+R-	R	R	+R-	+R-	R	R	Y	Y	+YY	Y	R	R	R	R	FLASH	
PRE-EMPTION 4	+R-	+R-	R	R	+R-	+R-	R	R	R	R	R	R	G	G	+GG	G	FLASH	
PRE-EMPTION 4 CHANGE	+R-	+R-	R	R	+R-	+R-	R	R	R	R	R	R	Y	Y	+YY	Y	FLASH	
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	SIG. AHEAD								

NOTE: SIGNAL #21 FLASHES INTERMITTENTLY DURING FLASH

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 (OCEAN GATEWAY) AT
MD 992 (WALSTON SWITCH ROAD)/WALSTON SWITCH ROAD

GENERAL INFORMATION

SCALE NONE ADVERTISED DATE 11/01/07 CONTRACT NO. AX1395185

DESIGNED BY MCG COUNTY WICOMICO
DRAWN BY CCW LOGMILE 22005020.94
CHECKED BY BAB TIMS NO. 1393
F.A.P. NO. TOD NO.

TS NO. 3587D-GI DRAWING SG-2 OF 2 SHEET NO. 2 OF 2

TOD NO: AX139-03
SHA NO: W1374A52/B52/C52
US 13 BUS.: COLLEGE AVE TO
SOMERSET COUNTY LINE

PLOTTED: Tuesday, October 30, 2007 AT 10:56 AM
FILE: P:\Traffic\Proposals\SHA TED\US 13 Business Video Detection\Walston\pSG-A000_Walston.dgn

BY: thompsma

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engineers / architects / planners / construction managers
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