

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL WITH STREET LIGHTING AT THE INTERSECTION OF US 13 (OCEAN HWY) AND MD 363 (DEAL ISLAND RD / MANOKIN AVE) IN SOMERSET COUNTY. THE MODIFICATION WILL UPGRADE THE EXISTING LOOP DETECTORS FOR PRESENCE DETECTION TO VIDEO DETECTORS. EXISTING LOOP DETECTORS FOR PASSAGE DETECTION WILL ALSO BE UPGRADED TO NON-INVASIVE DETECTORS. US 13 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION OPERATES IN A NEMA SIX (6) PHASE, FULLY-ACTUATED MODE. US 13 APPROACHES OPERATE CONCURRENTLY. EXCLUSIVE LEFT TURN PHASES ARE PROVIDED FOR BOTH APPROACHES OF US 13. MD 363 APPROACHES OPERATE AS A SPLIT-PHASE.
2. AN EXISTING FULL-TRAFFIC-ACTUATED, EIGHT (8) PHASE CONTROLLER IN A NEMA SIZE "6" BASE MOUNTED CABINET SHALL BE UTILIZED. VIDEO DETECTION INTERFACE AND A NEW SHELF MOUNTED POWER SUPPLY SHALL BE INSTALLED INTO THE CABINET BY SHA FORCES.

CONTACTS

<b>DISTRICT</b>	<b>OFFICE OF TRAFFIC AND SAFETY</b>
MR. DONNIE DREWER DISTRICT ENGINEER 410-677-4006	MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. GENE COFIELL ASSISTANT DISTRICT ENGINEER - TRAFFIC 410-677-4040	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. BRUCE POOLE ASSISTANT DISTRICT ENGINEER - UTILITIES 410-677-4082	MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS 410-787-7650
MR. WAYNE WEICHMAN ASSISTANT DISTRICT ENGINEER - MAINTENANCE 410-677-4010	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS 410-787-7670
	MS. DARLENE EIDE SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	[UPDATED] (CONT/CAB/ADD) DETECTOR RACK POWER SUPPLY
9086	1 EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

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

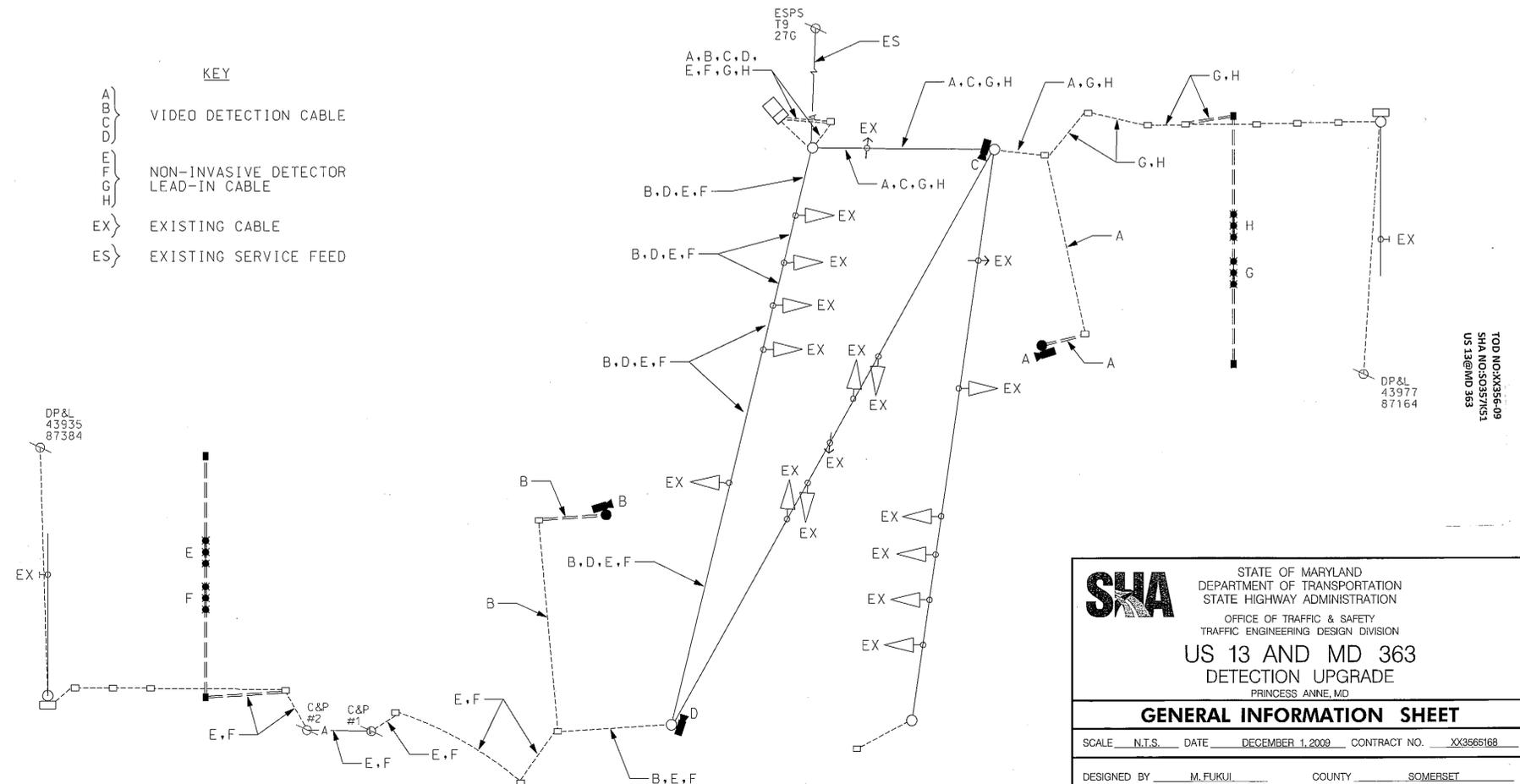
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8005	1 EA	RE-RING EXISTING SPAN W/ 4 INCH RINGS
8006	1 EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8007	4 EA	VIDEO DETECTION CAMERA & CABLE
8011	140 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED
8013	200 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8018	4 EA	NONINVASIVE DETECTOR UP TO 1000' LEAD IN CABLE
8019	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8026	2 EA	NEG - APPROVED - FURNISH & INSTALL ANY SIZE PEDESTAL POLE

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

NO PHASE CHANGE

WIRING DIAGRAM



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

**US 13 AND MD 363  
DETECTION UPGRADE**  
PRINCESS ANNE, MD

**GENERAL INFORMATION SHEET**

SCALE N.T.S. DATE DECEMBER 1, 2009 CONTRACT NO. XX3665168

DESIGNED BY M. FUKUJI COUNTY SOMERSET  
DRAWN BY M. FUKUJI LOGMILE 19001313.42  
CHECKED BY TIMS NO. J816  
F.A.P. NO. TOD NO.

TS NO. 384I-GI DRAWING SG-02 OF 02 SHEET NO. 2 OF 2

BY: mfukuj

TOD NO: XX366-09  
SHA NO: S0367151  
US 13 @ MD 363