

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL WITH STREET LIGHTING AND INTERCONNECT AT THE INTERSECTION OF US 50 (OCEAN GATEWAY) AND CHAPEL RD IN TALBOT COUNTY. THE MODIFICATION WILL UPGRADE THE EXISTING LOOP DETECTORS FOR PRESENCE AND SAMPLING DETECTION TO VIDEO DETECTORS. THE EXISTING LOOP DETECTORS FOR PASSAGE DETECTION WILL ALSO BE UPGRADED TO NON-INVASIVE DETECTORS. US 50 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION OPERATES IN A NEMA SIX (6) PHASE, FULLY-ACTUATED MODE. US 50 APPROACHES OPERATE CONCURRENTLY, AND EXCLUSIVE-PERMISSIVE LEFT TURN PHASES ARE PROVIDED FOR BOTH APPROACHES OF US 50. CHAPEL RD 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 SHALL BE INSTALLED INTO THE CABINET BY SHA FORCES.

CONTACTS

<b>DISTRICT</b>	<b>OFFICE OF TRAFFIC AND SAFETY</b>
MR. RICHARD LINDSAY DISTRICT ENGINEER 410-810-3210	MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. ROBERT KIEL ASSISTANT DISTRICT ENGINEER - TRAFFIC 410-810-3240	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. BARRY CLOTHIER ASSISTANT DISTRICT ENGINEER - UTILITIES 410-810-3275	MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS 410-787-7650
MR. WM NORRIS EMBERT ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 410-810-3270	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS 410-787-7670
MR. TERRY WRIGHT ASSISTANT DISTRICT ENGINEER - MAINTENANCE 410-810-3250	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
9087	1 EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 5-8 CAMERAS

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

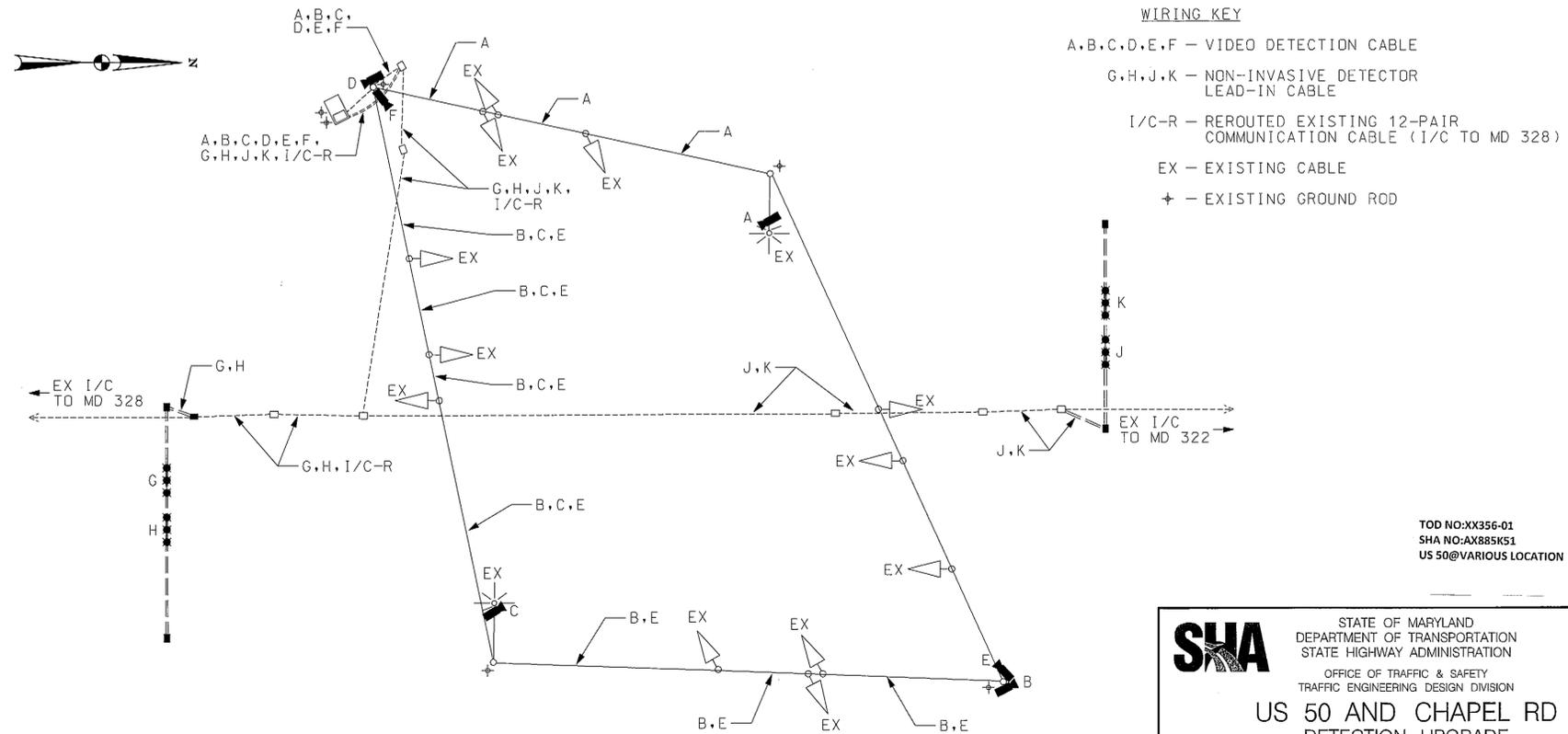
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8007	6 EA	VIDEO DETECTION CAMERA & CABLE
8010	515 LF	PULL BACK & RE-ROUTE CABLES
8011	115 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED
8013	50 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8018	4 EA	NONINVASIVE DETECTOR UP TO 1000' LEAD IN CABLE
8019	5 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

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

PHASE CHART

NO PHASE CHANGE

WIRING DIAGRAM



TOD NO:XX356-01  
SHA NO:AX885K51  
US 50@VARIOUS LOCATION

	STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
	OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
<b>US 50 AND CHAPEL RD DETECTION UPGRADE</b> EASTON, MD		
<b>SIGNALIZATION PLAN SHEET</b>		
SCALE	N.T.S.	DATE SEPTEMBER 2, 2009 CONTRACT NO. XX356S168
DESIGNED BY	M. FUKUJI	COUNTY TALBOT
DRAWN BY	M. FUKUJI	LOGMILE 20005010.08
CHECKED BY		TIMS NO. J601
F.A.P. NO.		TOD NO.
TS NO. 1949E	DRAWING <b>SG-06</b> OF 10	SHEET NO. 06 OF 10