

**PROJECT DESCRIPTION**

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 8MD 18 AND MD 18 (MAIN ST.)SKIPJACK PKWY IN QUEEN ANNE'S COUNTY. MD 8MD 18 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. THE MODIFICATIONS CONSIST E.P.PHASE ADDITION FOR MD 8MD 18 LEFT TURN LANES AND VIDEO DETECTION CAMERAS.

**INTERSECTION OPERATION**

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 8MD 18, LEFT TURN LANES AND SIDE STREET SPLIT PHASE.

**CONTROLLER REQUIREMENTS**

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. VIDEO DETECTION INTERFACE EQUIPMENT WILL NEED TO BE INSTALLED.

**PHASE CHART**

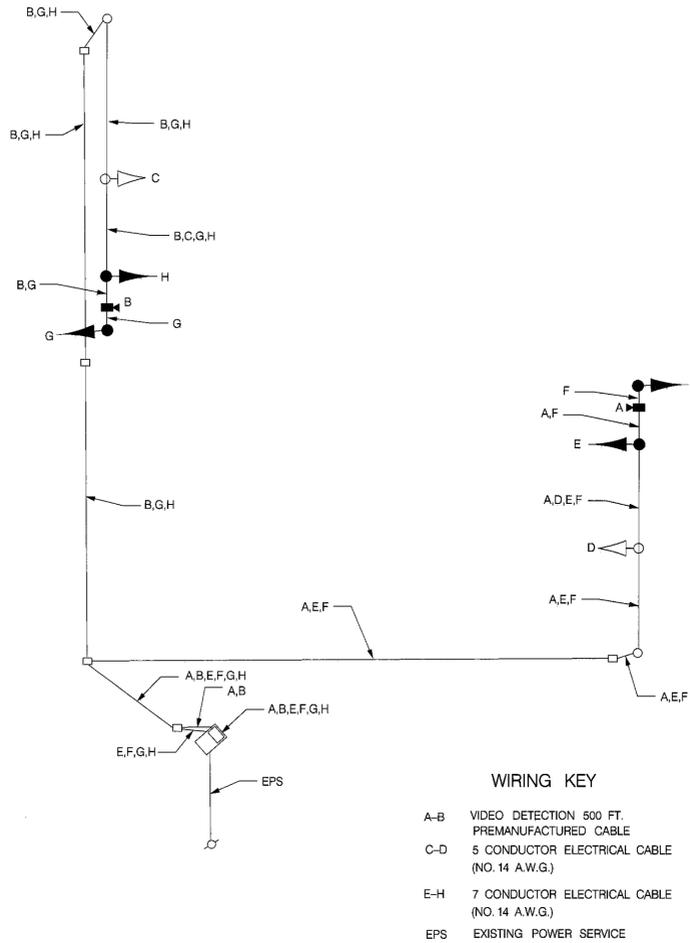
	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 & 5	<G-R	<G-R	R	<G-R	<G-R	R	R	R	R	R	R	R
1 & 5 CHANGE	PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6											
PHASE 1 & 6	<G-G	<G-G	G	R	R	R	R	R	R	R	R	R
1 CHANGE	<Y-G	<Y-G	G	R	R	R	R	R	R	R	R	R
PHASE 2 & 5	R	R	R	<G-G	<G-G	G	R	R	R	R	R	R
5 CHANGE	R	R	R	<Y-G	<Y-G	G	R	R	R	R	R	R
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
PRE-EMPTION 1	R	R	R	R	R	R	R	R	R	G	G	G
PRE-EMPTION 2	G	G	G	G	G	G	R	R	R	R	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

**EQUIPMENT LIST "B"**

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8013	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8047	16 SF	INSTALL OVERHEAD SIGN
8048	2 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
8050	2 EA	FURNISH AND INSTALL 500 FT. VIDEO CABLE TO CONTROLLER
8055	6 EA	FURNISH AND INSTALL 8 IN. VEHICULAR SIGNAL HEAD SECTION
8056	14 EA	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION
8061	60 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR NO. 14 AWG
8062	1140 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR NO. 14 AWG

**WIRING DIAGRAM**



**EQUIPMENT LIST "A"**

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

ITEM NO.	QUANTITY	DESCRIPTION
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT 1-4 CAMERAS
9571	16 SF	ALUMINUM SHEET 2 EA R10-12 SIGN (30" X 36") MAST ARM MOUNT

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

MR. ROBERT KIEL  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
(410) 778-3061

MR. TERRY WRIGHT  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(410) 778-3061

MR. BARRY CLOTHIER  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
(410) 778-3061

**CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY**

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

MR. EUGENE BAILEY  
TEAM LEADER SIGN OPERATIONS  
(410) 787-7676

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

MS. DARLENE EIDE  
SUPPLY OFFICE  
SIGNAL SHOP WAREHOUSE  
(410) 787-7668

MR. ED RODENHIZER  
TEAM LEADER SIGNAL OPERATIONS  
(410) 787-7652

**EQUIPMENT LIST "C"**

C. EQUIPMENT TO BE RETURNED TO MSHA.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

SHA#: QA268A51/B51

TOD#: AT582-18

**SHA** MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION SHEET  
MD 8MD 18 (BUSINESS PARKWAY) AND  
MD 18 (MAIN ST.)SKIPJACK PKWY

**TRAFFIC CONCEPTS, INC.**  
325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101

FAX (410) 923-6473 EMAIL: TRACONCEPT@AOL.COM

DRAWN BY: M.HOWELL	F.A.P. NO. N/A	TS NO. 4034B-G1	SHEET NO. 2 OF 2
CHECKED BY:	S.H.A. NO. AT5825185		
SCALE: NONE	COUNTY: QUEEN ANNE'S	T.I.M.S. NO. G545	
DATE: 11/10/2004	LOG MILE: I7000808.37		