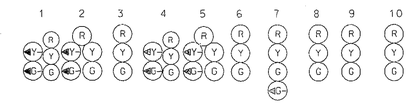
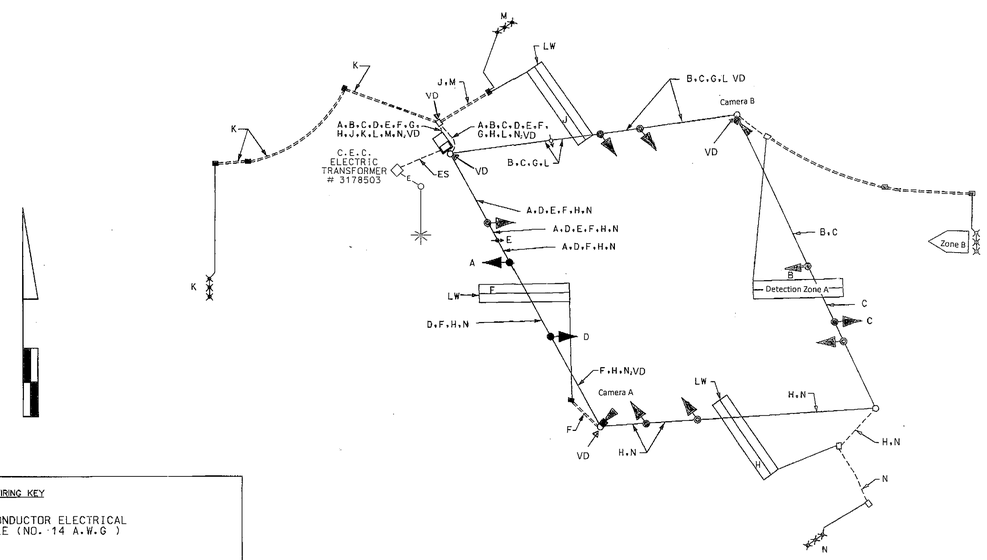
PHASE CHART (ULTIMATE SIGNAL)



	1	2	3	4	5	6	7	8	9	10
PHASE 1 & 5	◄G-/R	◄G-/R	R	◄G-/R	◄G-/R	R	R	R	R	R
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6										
PHASE 1 & 6	◄G-/G	◄G-/G	G	R	R	R	R	R	R	R
1 & 6 CHANGE	◄Y-/G	◄Y-/G	G	R	R	R	R	R	R	R
PHASE 2 & 5	R	R	R	◄G-/G	◄G-/G	G	R	R	R	R
2 & 5 CHANGE	R	R	R	◄Y-/G	◄Y-/G	G	R	R	R	R
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y
EMERGENCY PRE-EMPTION PHASE 2 & 6	R/G	R/G	G	R/G	R/G	G	R	R	R	R
PRE-EMPTION PHASE 2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R
EMERGENCY PRE-EMPTION PHASE 8	R	R	R	R	R	R	◄G-/G	G	R	R
PRE-EMPTION PHASE 8 CHANGE	R	R	R	R	R	R	Y	Y	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

A, B, C, D } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

E - 4-CONDUCTOR OPTICOM DETECTOR CABLE (NO. 20 A.W.G.)

F, G, H, J } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G) ALUMINUM SHIELDED

K, L } MICROLOOP LEAD-IN CABLE (1000')

M, N } MICROLOOP LEAD-IN CABLE (500')

LW - LOOP WIRE (NO. 14 A.W.G.)

ES - EXISTING UNDERGROUND SERVICE TO BE MAINTAINED BY CHOPTANK ELECTRIC

VD - Video Detection

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4297GI.dgn

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 404 AND MD 309
GENERAL INFORMATION

DRAWN BY: ROB CICCHINI	F.A.P. NO. SEE TITLE SHEET	TS NO. 2428G-GI	SHEET NO. 2 OF 2
CHECKED BY: J. ALLEN Jr.	S.H.A. NO. QA2375130	T.I.M.S. NO. J-848	
SCALE: NONE	COUNTY: QUEEN ANNE'S		
DATE: 11-18-02	LOG MILE: 17040400.48		

a:\signaldesign\4297\4297gi.dgn Nov. 22, 2002 12:16:45