PROJECT DESCRIPTION
GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF OPTICOM EYE DETECTION EQUIPMENT ON EXISTING MAST ARM POLE AT THE INTERSECTION OF MD 2 (SOLOMONS ISLAND ROAD) AT SERVICE ROAD IN ANNE ARUNDEL COUNTY.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 6 NEMA PHASES WITH FIRE HOUSE PRE-EMPTION IN PHASE 1 AND 6.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MRS. KIMBERLY TRAN, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019
MR. MARK COBLENTZ, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 841-1031
MR. CHUCK E. GEORGE, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013
MR. JOHN S. MAYS, UTILITY ENGINEER
PHONE: (410) 841-1039
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

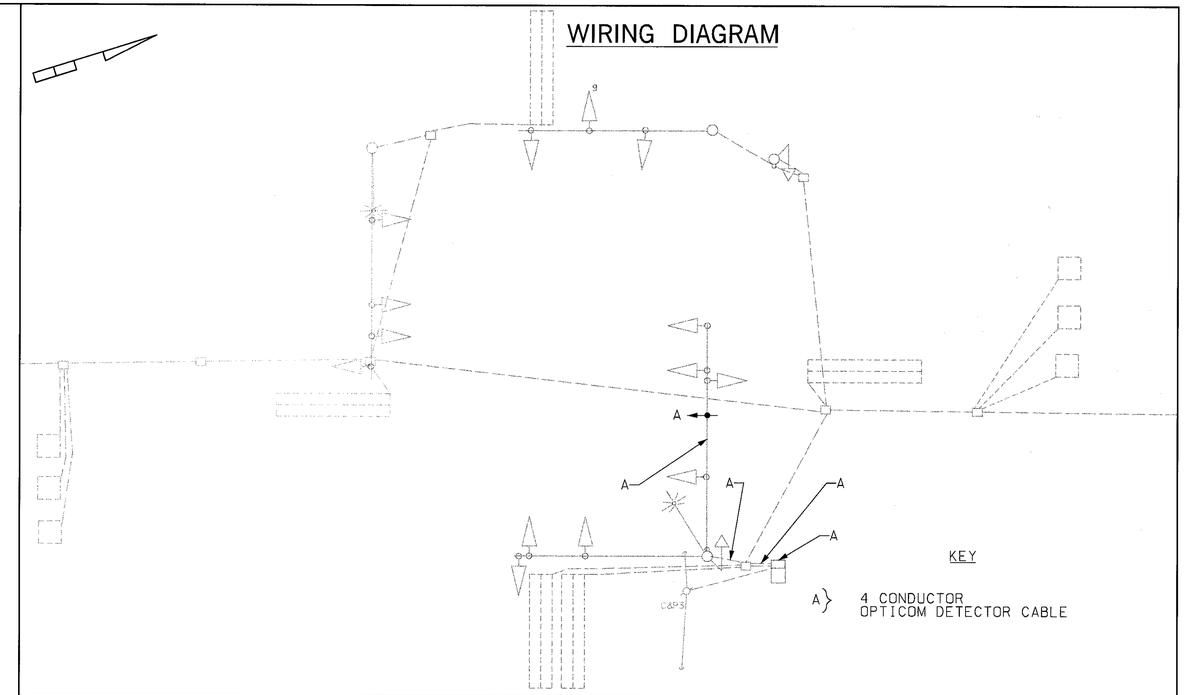
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY

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

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
8016	3M OPTICOM #764 DISCRIMINATOR MODULE	EA	1
8018	OPTICOM NO.721 DETECTOR EYE	EA	1
8056	4 CONDUCTOR OPTICOM DETECTOR CABLE	LF	85

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. CONTACT ED RODENHIZER AT (410) 787-7650 AT LEAST 72 HOURS PRIOR TO REMOVAL OF EXISTING CONTROLLER TO ARRANGE FOR PICKUP. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR 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	13	14
	◁R– ◁Y– ◁G–	◁R– ◁Y– ◁G–	R Y G	R Y G	◁R– ◁Y– ◁G–	◁R– ◁Y– ◁G–	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G		
PHASE 1 AND 5	◁G–	◁G–	R	R	◁G–	◁G–	R	R	R	R	R	R	R	R	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																
PHASE 1 AND 6	◁G–	◁G–	G	G	◁R–	◁R–	R	R	R	R	R	R	R	R	DW	DW
1 AND 6 CHANGE	◁Y–	◁Y–	G	G	◁R–	◁R–	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 AND 5	◁R–	◁R–	R	R	◁G–	◁G–	G	G	R	R	R	R	R	R	DW	DW
2 AND 5 CHANGE	◁R–	◁R–	R	R	◁Y–	◁Y–	G	G	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6	◁R–	◁R–	G	G	◁R–	◁R–	G	G	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6 CHANGE	◁R–	◁R–	Y	Y	◁R–	◁R–	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 4 AND 8	◁R–	◁R–	R	R	◁R–	◁R–	R	R	G	G	G	G	G	G	DW	DW
PHASE 4 AND 8 CHANGE	◁R–	◁R–	R	R	◁R–	◁R–	R	R	Y	Y	Y	Y	Y	Y	DW	DW
PHASE 4 AND 8 ALT	◁R–	◁R–	R	R	◁R–	◁R–	R	R	G	G	G	G	G	G	WK	WK
PED CLEARENCE	◁R–	◁R–	R	R	◁R–	◁R–	R	R	G	G	G	G	G	G	FL/DW	FL/DW
PHASE 4 AND 8 ALT CHANGE	◁R–	◁R–	R	R	◁R–	◁R–	R	R	Y	Y	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/◁R–	FL/◁R–	FL/Y	FL/Y	FL/◁R–	FL/◁R–	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK
FIRE HOUSE PRE-EMPTION																
PRE-EMPTION PHASE 1 AND 6	◀G–	◀G–	G	G	◀R–	◀R–	R	R	R	R	R	R	R	R	DW	DW
PRE-EMPTION CLEARANCE 1 AND 6 CHANGE	◀Y–	◀Y–	G	G	◀R–	◀R–	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 AND 6 NORMAL OPERATION	◁R–	◁R–	G	G	◁R–	◁R–	G	G	R	R	R	R	R	R	DW	DW

SHA#: AA287A5G/B5G TOD#: XX10654-48

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
MD 2 (SOLOMONS ISLAND ROAD) AND SERVICE ROAD

DRAWN BY: L. YEH	F.A.P. NO.		TS NO. 3891 B-GI	SHEET NO.
CHECKED BY: S. RENZI	S.H.A. NO.	XX1065485	T.I.M.S. NO. G014	2 OF 2
SCALE: 1" = 20'	COUNTY:	ANNE ARUNDEL		
DATE: MAY 2004	LOG MILE:	0200002 7.35		

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DATE: 19-May-04 1:06