

**PROJECT DESCRIPTION
GENERAL**

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM FIRE PRE-EMPTION DETECTOR TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 213 (WASHINGTON AVE) AND SPRING AVENUE IN KENT COUNTY.

INTERSECTION OPERATION

AN EXISTING CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 5 NEMA PHASES. THE LEFT TURN PHASING ALONG NORTHBOUND MD 213 OPERATES AS EXCLUSIVE/PERMISSIVE PHASING. THE EASTBOUND AND WESTBOUND SPRING AVENUE MOVEMENTS OPERATE AS CONCURRENT PHASING. FIRE PRE-EMPTION PHASING SHALL BE ADDED FOR THE SOUTHBOUND MD 213 APPROACH.

SPECIAL NOTES

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

PROJECT CONTACTS:

MR. ROBERT L. KIEL, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 810-3240
MR. WM NORRIS EMBERT, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 810-3270
MR. BARRY CLOTHIER, DISTRICT UTILITIES ENGINEER
PHONE: (410) 810-3275
MR. TERRY O. WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 810-3250
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

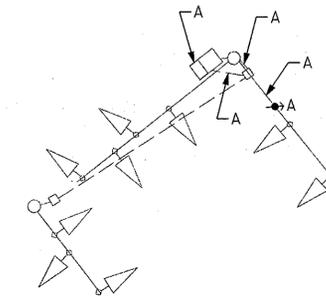
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

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

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
8059	DISCRIMINATOR MODULE, 4 CHANNEL, NO. 76	EA	1
8061	OPTICOM NO. 721 DETECTOR EYE	EA	1
8080	FURNISH AND INSTALL 4 CONDUCTOR OPTICOM CABLE	LF	200
8021	REM & DISPOSE MAT & EQUIP PER ASSIGN	EA	1

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

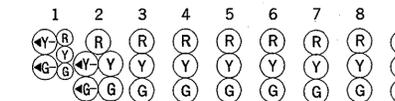
WIRING DIAGRAM



KEY

A } OPTICOM DETECTOR LEAD-IN CABLE NO. 4 CONDUCTOR

PHASE CHART



	1	2	3	4	5	6	7	8	9
PHASE 1 AND 6	+GG	+GG	G	R	R	R	R	R	R
1 AND 6 CHANGE	+YG	+YG	G	R	R	R	R	R	R
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R
PHASE 4 AND 8	R	R	R	R	R	G	G	G	G
4 AND 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R
FIRE PRE-EMPTION									
PRE-EMPTION PHASE 2 AND 6	G	G	G	G	G	R	R	R	R
PRE-EMPTION CLEARANCE PHASE 2 AND 6	G	G	G	G	G	R	R	R	R
PHASE 2 AND 6 NORMAL OPERATION	G	G	G	G	G	R	R	R	R

TOD No: AT355-17
SHA: KE388A51/B51



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

MD 213 AT SPRING AVENUE

CHESTERTOWN, MARYLAND

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 09/15/05 CONTRACT NO. AT3555185

DESIGNED BY C.FLEMING COUNTY KENT
DRAWN BY C.FLEMING LOGMILE 14021300.43
CHECKED BY S.RENZI T.I.M.S. NO. G844
F.A.P. NO. TOD NO.

DRAWING NO. TS1680D - 2 OF 2 SHEET NO. 4 OF 13

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