

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 MD 289 (CROSS STREET)/PHILOSOPHERS TERR. IN KENT COUNTY.

INTERSECTION OPERATION

AN EXISTING CONTROLLER HOUSED IN A POLE 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 MD 289 (CROSS STREET)/PHILOSOPHERS TERR. 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 D. 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
9571	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN: D-3(2) (16" X VAR.) MAST ARM MOUNT (DUAL FACE)	SF EA	16 2

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

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
8057	INSTALL OVERHEAD SIGN	SF	16
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
<b>8060</b>	<b>OPTICOM EMITTER SYSTEM</b>	<b>EA</b>	<b>6</b>

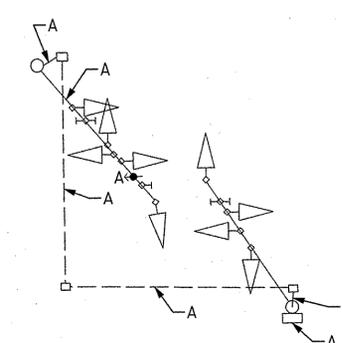
NOTE: 3 EMITTERS FOR CHESTERTOWN VOLUNTEER FIRE DEPARTMENT.  
 3 EMITTERS FOR KENT-QUEEN ANNE'S RESCUE SQUAD.

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

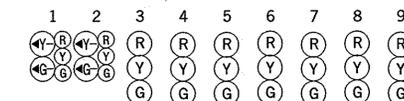
WIRING DIAGRAM

KEY

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



PHASE CHART



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/R	FL/R	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	
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

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 213 AT MD 289 (CROSS STREET)  
 /PHILOSOPHERS TERR.**  
 CHESTERTOWN, MARYLAND

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 09/20/05 CONTRACT NO. AT3555185

DESIGNED BY C.FLEMING COUNTY KENT

DRAWN BY D.BROWN LOGMILE 1402300.37

CHECKED BY S.RENZI T.I.M.S. NO. G844

F.A.P. NO. TOD NO.

DRAWING NO. TS1679E - 2 OF 2 SHEET NO. 2 OF 13

**SABRA, WANG & ASSOCIATES, INC.**  
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