

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW EMERGENCY FIREHOUSE SIGNAL AT THE INTERSECTION OF MD 291 (MORGNEC ROAD) AND THE KENT & QUEEN ANNE'S RESCUE SQUAD IN KENT COUNTY.

INTERSECTION OPERATION

THE INTERSECTION SHALL OPERATE IN A FLASHING 8 INCH YELLOW MODE UNTIL PRE-EMPTED BY THE PUSH-BUTTON LOCATED WITHIN THE FIREHOUSE.

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
MR. ERIC JACKSON, CHEIF - FIRE RESCUE SQUAD
PHONE: (410) 778-4495/ (410) 778-4496

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9570	SHEET ALUMINUM GROUND MOUNTED SIGNS CONSISTING OF: W11-8 (36" x 36") GROUND MOUNTED	SF	69
	W11-12P (36" x 30") GROUND MOUNTED	EA	2
9571	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGNS CONSISTING OF: W11-8(1) (72" x 36") MAST ARM MOUNTED	SF	36
		EA	2
9043	CONTROLLER CABINET, SIZE 5	EA	1

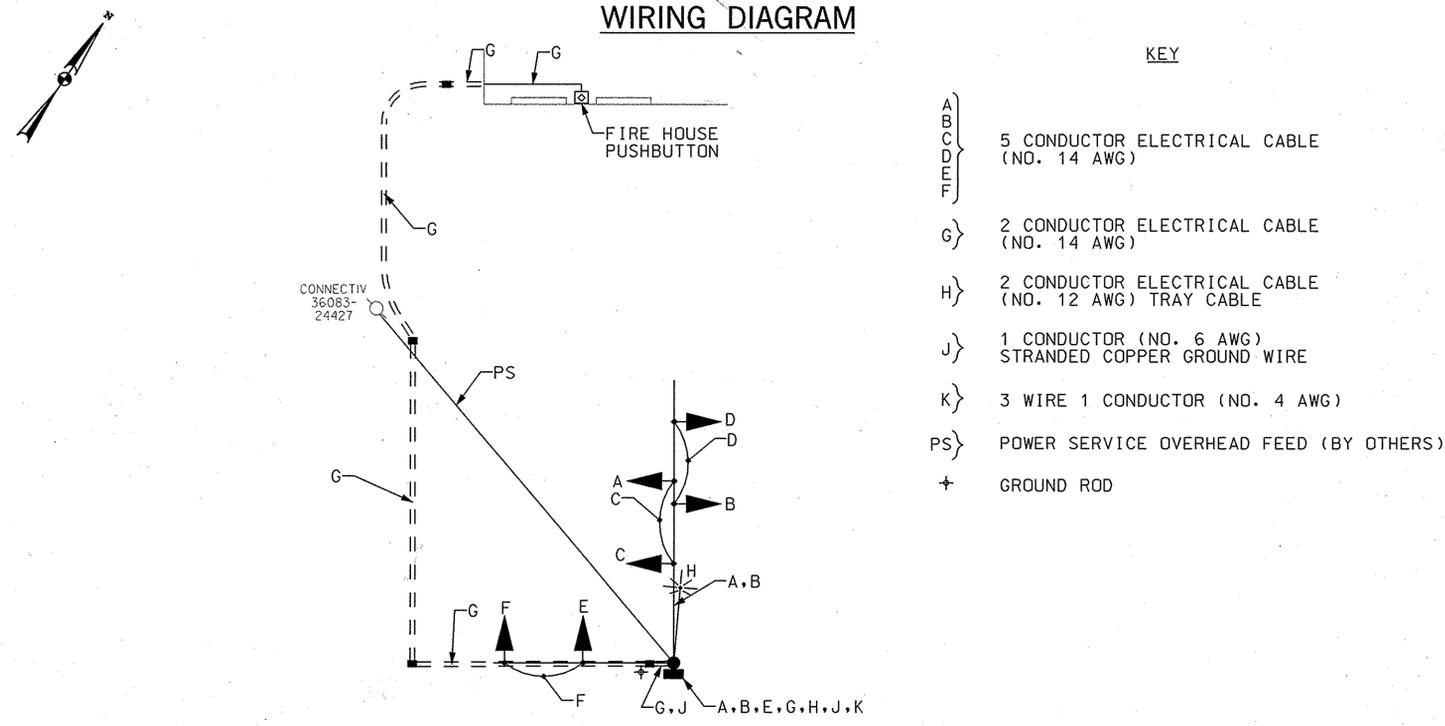
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
2002	TEST PIT EXCAVATION	CY	1
5006	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	LF	24
8001	CONCRETE FOUNDATION	CY	5
8013	INSTALL STEEL POLE & SINGLE OR TWIN	EA	1
8028	FIREHOUSE PRE-EMPTION BUTTON, ASSOCIATED	LF	60
8032	WOOD SIGN SUPPORTS 4 INCH X 6 INCH	LF	38
8033	NO. 6 AWG STANDARD BARE COPPER GROUND WIRE	LF	20
8034	1 INCH ELECTRICAL CONDUIT - GALVANIZED RISER	LF	20
8040	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	40
8041	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	100
8044	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED	LF	80
8047	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS	EA	1
8048	ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG-THHN/THWN	LF	90
8054	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	4
8056	INSTALL GROUND MOUNTED SIGN	SF	69
8057	INSTALL OVERHEAD SIGN	SF	36
8066	STEEL POLE WITH TWIN 50 FOOT AND 60 FOOT MAST ARM	EA	1
8071	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	EA	1
8076	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH	EA	1
8081	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	1
8084	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	310
8086	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	180
8088	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TC	LF	40
8092	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	EA	1
8096	INSTALL CONTROLLER AND CABINET - POLE MOUNT	EA	1
NEG.	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	12
NEG.	8 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	6
NEG.	3/4 INCH EMT CODUIT	LF	60

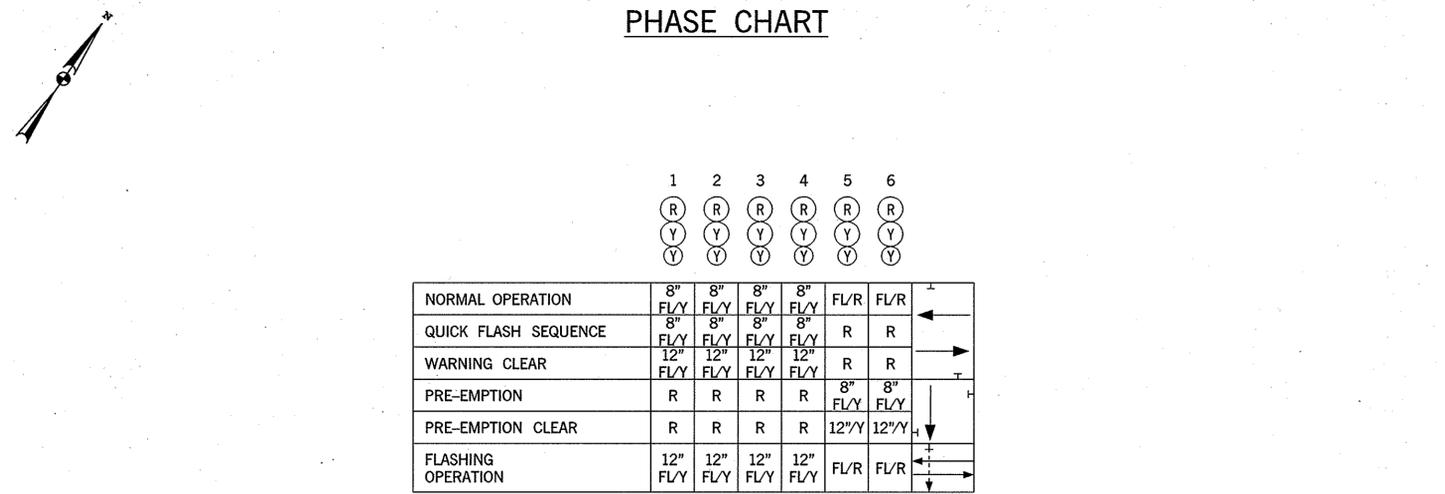
C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

WIRING DIAGRAM



PHASE CHART



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 291 (MORGNEC ROAD) AT
KENT & QUEEN ANNES RESCUE SQUAD**
CHESTERTOWN, MARYLAND

GENERAL INFORMATION PLAN

SCALE	N.T.S.	DATE	09/20/05	CONTRACT NO.	AT3555185
DESIGNED BY	C.FLEMING	COUNTY	KENT		
DRAWN BY	C.FLEMING	LOGMILE	14029100.35		
CHECKED BY	S.RENZI	T.I.M.S. NO.	G844		
F.A.P. NO.		TOD NO.			
DRAWING NO.	TS-4448	- 2 OF 2		SHEET NO.	13 OF 13

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