

**PROJECT DESCRIPTION  
GENERAL**

THIS PROJECT INVOLVES THE RECONSTRUCTION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF MD 273 AT MD 213 IN CECIL COUNTY.

**INTERSECTION OPERATION**

A SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 4 NEMA PHASES. THE SIDE STREETS DR MD 213 SHALL OPERATE USING A SPLIT PHASE MODE.

**SPECIAL NOTES**

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

**PROJECT CONTACTS:**

- MR. RICHARD LINDSAY, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 810-3210
- MR. JEFF AMORIELLA, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
PHONE: (410) 810-3270
- MR. TERRY O. WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 810-3250
- MR. BARRY CLOTHIER, UTILITY ENGINEER  
PHONE: (410) 810-3275
- MR. ED RODENHIZER, SIGNAL SHOP CHIEF  
PHONE: (410) 787-7652
- MR. SONNY BAILY, SIGN SHOP CHIEF  
PHONE: (410) 787-7676
- 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
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: GUIDE SHIELD ASSEMBLY (30"x51") POLE MOUNTED GUIDE SHIELD ASSEMBLY (30"x51") GROUND MOUNTED ON WOOD SIGN SUPPORT GUIDE SHIELD ASSEMBLY (48"x75") POLE MOUNTED	SF EA EA EA	86 2 1 2

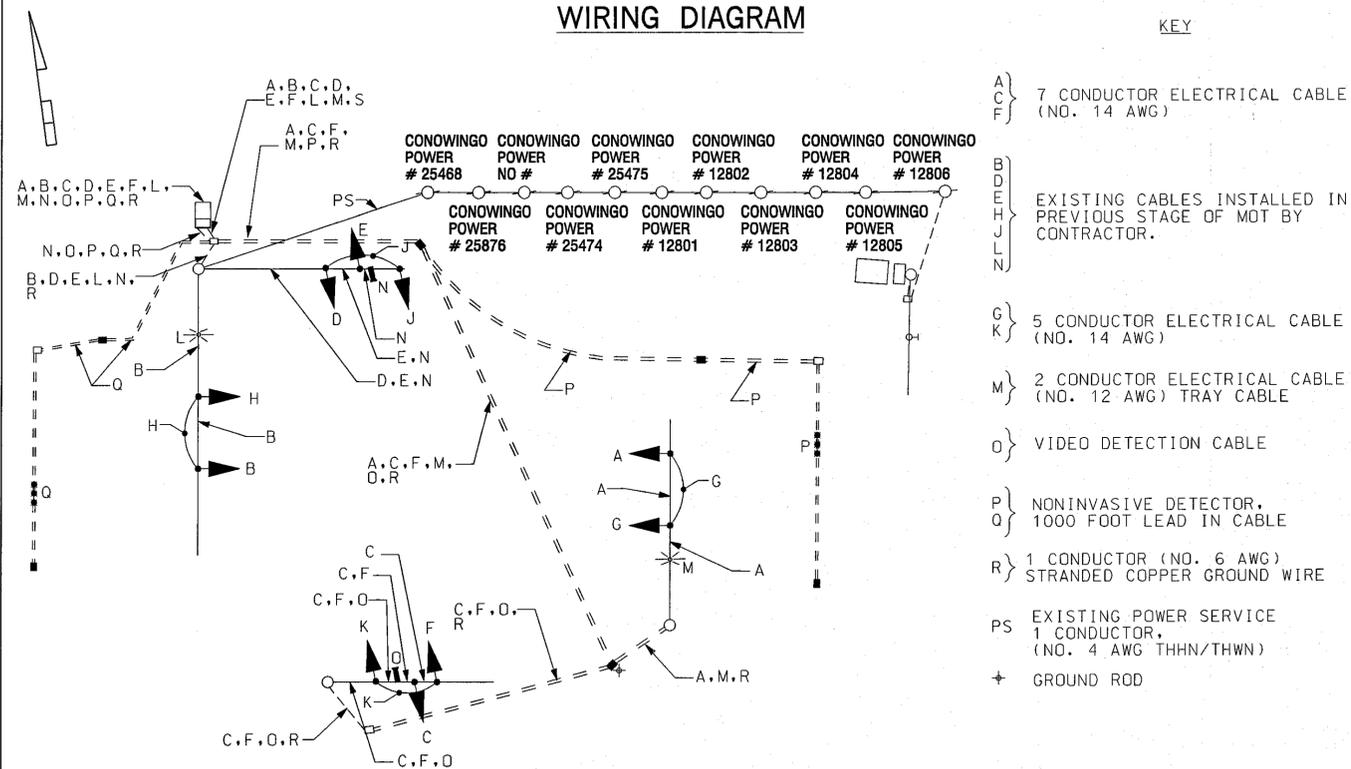
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585462	REMOVE OF PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH	LF	83
585624	24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	105
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
800000	RELOCATE EXISTING OVERHEAD SIGN ON MAST ARM	SF	58
801106	WOOD SIGN SUPPORTS 4 INCH X 6 INCH	LF	15
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	270
805115	3 INCH SCHED. 80 PVC CONDUIT- BORED	LF	125
805118	4 INCH SCHED. 80 PVC CONDUIT- BORED	LF	260
805135	3 INCH DCHED. 80 PVC CONDUIT- TRENCHED	LF	870
810605	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE	EA	2
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	6
813015	INSTALL OVERHEAD SIGN	SF	86
816005	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA	EA	1
816010	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA	EA	1
837001	GROUND ROD - 3/4 INCH DIA. X 10 FOOT LENGTH	EA	1
860265	RELOCATE EXISTING SIGNAL HEAD	EA	12
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	80
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	765
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	LF	305

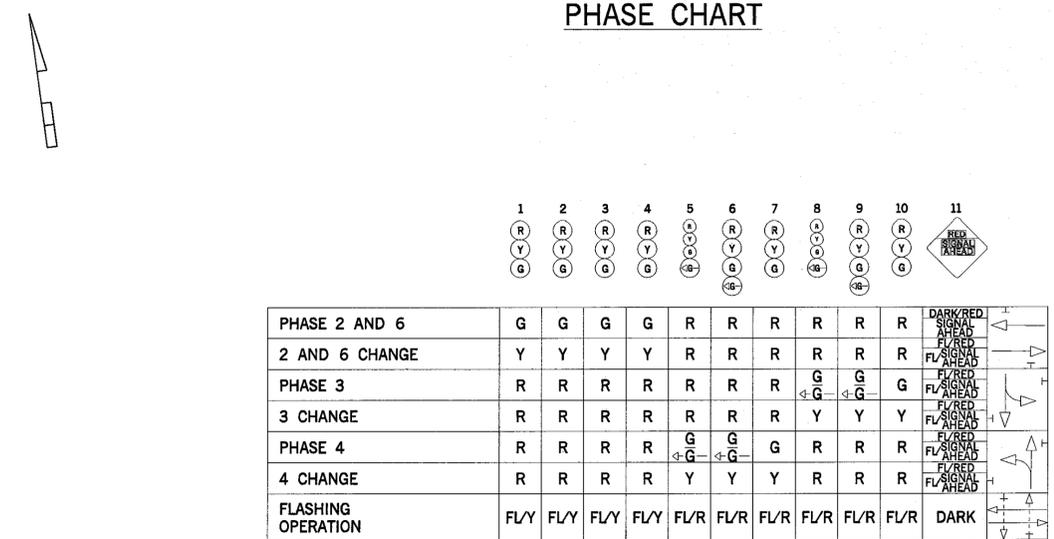
C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

**WIRING DIAGRAM**

KEY



**PHASE CHART**



**SHA** MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION PLAN  
**MD 273 (TELEGRAPH ROAD) AT  
MD 213 (LEWISVILLE /SINGERLY ROAD)**

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SCALE: 1" = 20'	COUNTY: CECIL	T.I.M.S. NO. F246	
DATE: AUGUST, 2004	LOG MILE: 07021325.94	28 OF 28	