

**PROJECT DESCRIPTION  
GENERAL**

THIS PORTION OF THE PROJECT INVOLVES THE RECONSTRUCTION OF A TEMPORARY TRAFFIC MOT SIGNAL WITH STREET LIGHTING TO BE INSTALLED AT THE INTERSECTION OF MD 404 (SHORE HIGHWAY) AND MD 16 (HARMONY ROAD)/DOUBLE HILLS ROAD IN CAROLINE COUNTY.

**INTERSECTION OPERATION**

THE INTERSECTION WILL OPERATE IN A SEMI- ACTUATED MODE USING 4 NEMA PHASES. THIS TEMPORARY TRAFFIC SIGNAL SHALL OPERATE DURING THE MOT PHASE 3 STAGE, UNTIL SUCH TIME, FULL REMOVAL OF ALL EQUIPMENT IS REQUESTED BY THE ENGINEER.

**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. JEFF AMORIELLO, 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. 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
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B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

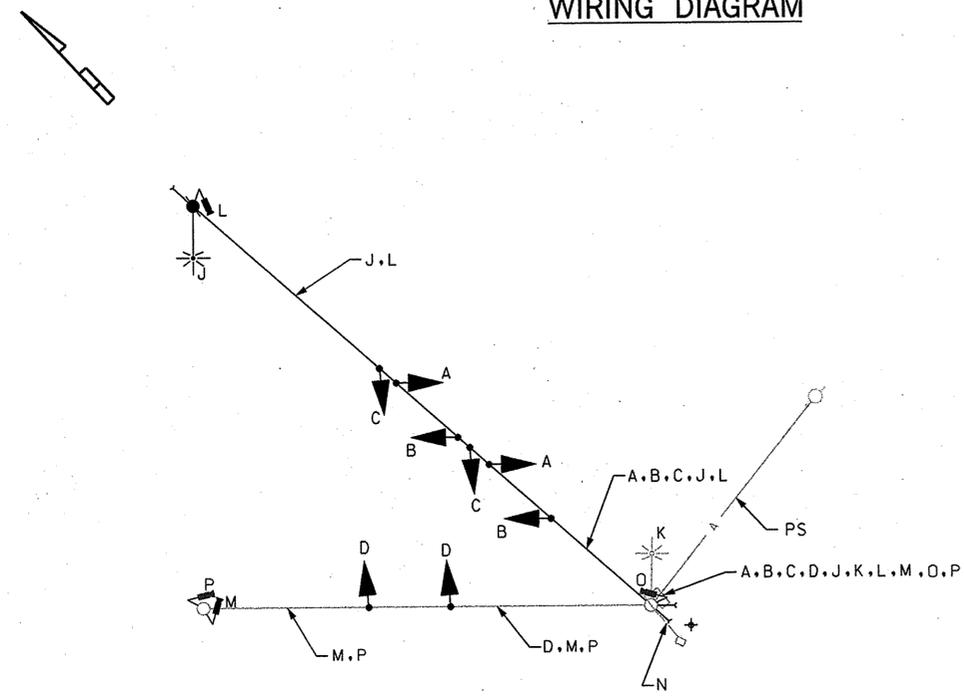
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585624	24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	90
585462	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH	LF	70
800000	REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT	LS	1
800000	40 FOOT WOOD POLE - CLASS II	EA	1
800000	BACKGUY AND ANCHOR ASSEMBLIES	EA	2
800000	20 FOOT LIGHTING ARM ON WOOD POLE	EA	1
800000	RELOCATE EXISTING VIDEO DETECTION CAMERA	EA	4
800000	RELOCATE EXISTING TRAFFIC SIGNAL HEAD (PER HEAD)	EA	2
816001	VIDEO DETECTION CAMERA	EA	1
816005	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	EA	1
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	18
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	550
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TRAY CABLE	LF	200
869102	STEEL SPAN WIRE - 3/8 INCH DIAMETER	LF	140

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.

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NOTE: EXISTING VIDEO DETECTION CAMERAS UPON REMOVAL SHALL BECOME PROPERTY OF SHA. THE EXISTING VIDEO DETECTION CAMERA'S UPON COMPLETION OF THE MOT SEQUENCE SHALL BE REMOVED FROM THE TEMPORARY SIGNAL STRUCTURES AND RELOCATED TO THE ULTIMATE SIGNAL STRUCTURES PER SHA REQUEST.

**WIRING DIAGRAM**



**KEY**

- A } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B }
- C }
- D }
- J } 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
- K } EXISTING 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE. ENERGIZE LUMINAIRE IN THIS PHASE OF MOT.
- L }
- M }
- O }
- P }
- N } 1-CONDUCTOR (NO.6 AWG) STRAINED COPPER GROUNDWIRE
- PS } POWER SERVICE OVERHEAD (BY OTHERS)
- + } GROUND ROD

**PHASE CHART**

	1	2	3	4	5	6	7	8	
	(R)								
	(Y)								
	(G)								
PHASE 2 AND 6	G	G	G	G	R	R	R	R	←
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	↑
PHASE 4 AND 8	R	R	R	R	G	G	G	G	↓
4 AND 8 CHANGE	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	↕

MOT PHASE 3

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 404 @ MD 16/  
DOUBLE HILLS ROAD**

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE APRIL 2005 CONTRACT NO. CO3215270

DESIGNED BY C. FLEMING COUNTY CAROLINE  
DRAWN BY C. FLEMING LOGMILE 05001612.76  
CHECKED BY S. RENZI T.I.M.S. NO. .  
F.A.P. NO. TOD NO.

DRAWING NO. TS-1378C SHEET NO. OF

GREENLINE REVISION 1

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