

**PROJECT DESCRIPTION  
GENERAL**

THIS PROJECT INVOLVES THE TOTAL RECONSTRUCTION OF THE TRAFFIC SIGNAL EQUIPMENT AT THE INTERSECTION OF MD 212 (RIGGS ROAD) AND ADELPHI ROAD IN PRINCE GEORGE'S COUNTY.

**INTERSECTION OPERATION**

A CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 7 NEMA PHASES. A NEW E/P LEFT TURN PHASE HAS BEEN PROVIDED FOR EASTBOUND MD 212.

**SPECIAL NOTES**

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

**PROJECT CONTACTS:**

MR. MAJIB SHAKIB, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 513-7358  
MR. DENNIS MCMAHON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
PHONE: (301) 513-7336  
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 513-7304  
MR. AUGI REBISH, UTILITY ENGINEER  
PHONE: (301) 513-7350  
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

**EQUIPMENT LIST**

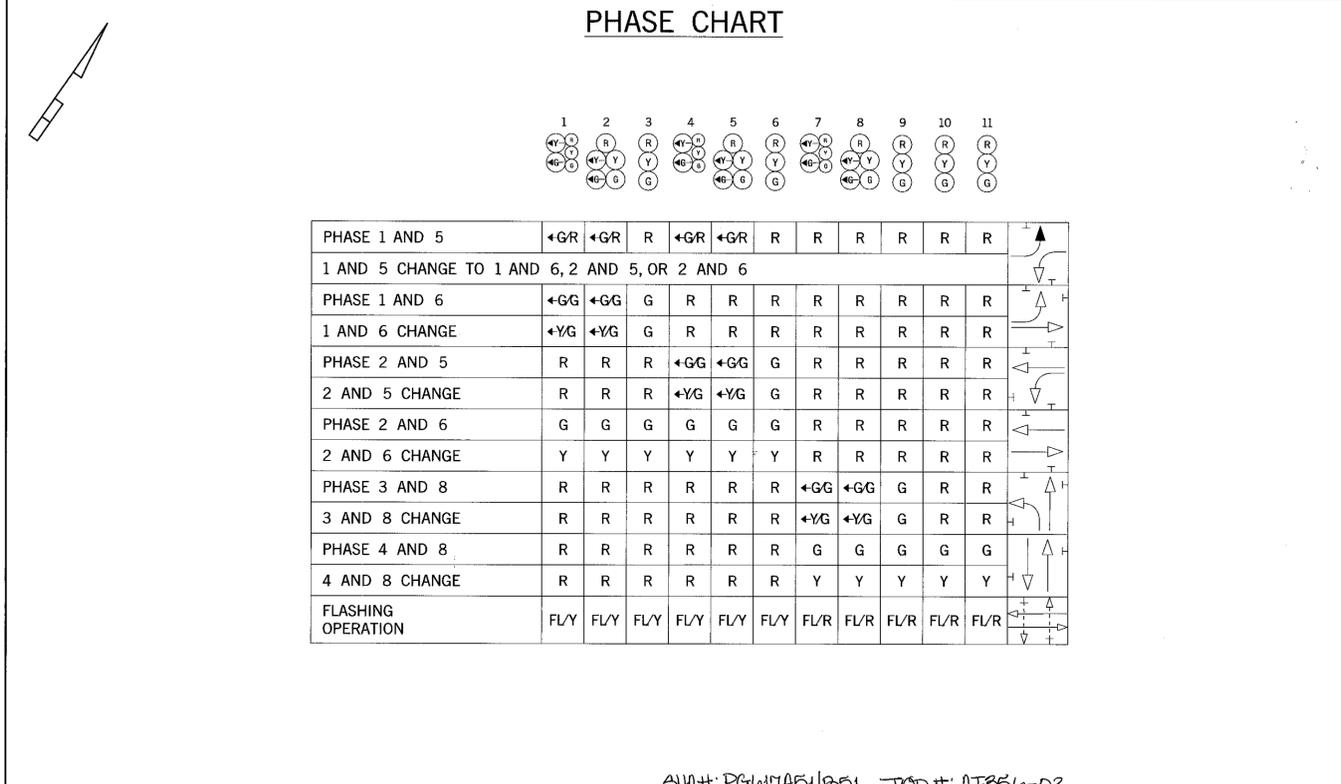
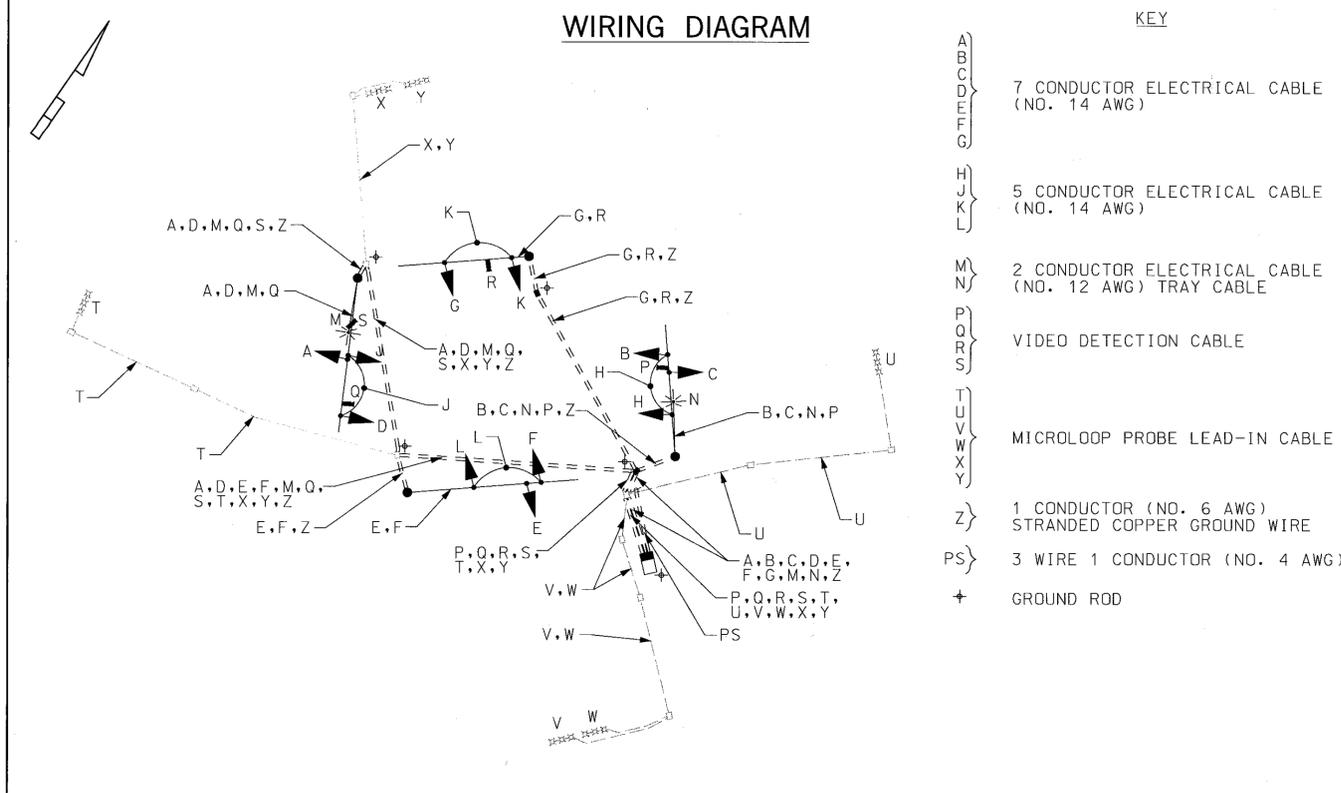
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
9044	CONTROLLER CABINET, SIZE 6 VIDEO DETECTION INTERFACE EQUIP.	EA	1
9086	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS	EA	1
9571	FLAT SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN	SF	152
	R10-12 (36"X42") MAST ARM MOUNT	EA	3
	D-3(2) (16" X VAR.) MAST ARM MOUNT	EA	4
	GUIDE SHIELD ASSEMBLY (30"X51")	EA	2
	GUIDE SHIELD ASSEMBLY (48"X75")	EA	2

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

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
NEG	REMOVE AND RELOCATE VIDEO DETECTION CAMERA	EA	1
1001	MAINTENANCE OF TRAFFIC	EA	3
2002	TEST PIT EXCAVATION	CY	3
5006	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMO PAVEMENT MARKINGS	LF	150
8001	CONCRETE FOUNDATION	CY	16
8009	CONTROL CABLE, 300 FOOT, VIDEO DETECTION	EA	1
8011	CONTROL CABLE, 500 FOOT, VIDEO DETECTION	EA	3
8019	REM & DISPOSE MAT & EQUIP PER ASSIGN	EA	1
8024	DISCONNECT, PULL-BACK & REROUTE CABLE	LF	410
8030	NO. 6 AWG STANDARD BARE COPPER GROUND WIRE	LF	360
8039	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED	LF	60
8040	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	110
8043	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED	LF	300
8047	ELECTRICAL CABLE 1- CONDUCTOR NO. 4 AWG-THHN/THWN	LF	240
8053	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
8056	INSTALL OVERHEAD SIGN	SF	152
8057	VIDEO DETECTION CAMERA	EA	3
8062	STEEL POLE WITH A SINGLE 38 FOOT MAST ARM	EA	2
8063	STEEL POLE WITH A SINGLE 50 FOOT MAST ARM	EA	2
8070	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	EA	2
8074	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	5
8075	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	9
8076	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	36
8079	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	2
8084	ELECTRICAL CABLE - 5 CONDUCTOR NO. 14 AWG	LF	380
8085	ELECTRICAL CABLE - 7 CONDUCTOR NO. 14 AWG	LF	1200
8086	ELECTRICAL CABLE - 2 CONDUCTOR NO. 12 AWG TC	LF	410
8090	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	EA	2
8095	INSTALL CONTROLLER AND CABINET - BASE MOUNT	EA	1
8096	REMOVE CONCRETE FOUNDATION 12 INCHES	EA	4

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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SHA# PG011A51/051 TOP# AT366-02

**SHA** MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION PLAN  
MD 212 (RIGGS ROAD) AT  
ADELPHI ROAD

DRAWN BY: C.FLEMING	F.A.P. NO.	TS NO.
CHECKED BY: J.WEAVER	S.H.A. NO. AT3565185	1156E
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. F759
DATE: 03/10/04	LOG MILE: 16021203.87	SHEET NO. 2 OF 2