

**PROJECT DESCRIPTION
GENERAL**

THIS PROJECT INVOLVES THE RECONSTRUCTION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF MD 650 AND SLIGO CREEK PARKWAY IN PRINCE GEORGE'S COUNTY.

INTERSECTION OPERATION

NORTHBOUND AND SOUTHBOUND MD 650 APPROACHES SHALL OPERATE AS CONCURRENTLY WITH THE NORTHBOUND LEFT TURN MOVEMENT OPERATING AS A LAG PHASE. THE SLIGO CREEK PARKWAY SIDE STREET MOVEMENT SHALL OPERATE ALONE. THE EXISTING PEDESTRIAN CROSSING TO CROSS SOUTHBOUND MD 650 SHALL BE REMOVED. THE EXISTING PEDESTRIAN CROSSING TO CROSS NORTHBOUND MD 650 SHALL REMAIN AND SHALL OPERATE WITH THE SLIGO CREEK PARKWAY SIDE STREET MOVEMENT. A NEW PEDESTRIAN CROSSING SHALL BE ADDED TO CROSS SLIGO CREEK AND SHALL OPERATE WITH THE NORTHBOUND AND SOUTHBOUND MD 650 MOVEMENTS. VIDEO DETECTION SHALL BE INSTALLED FOR ACTUATION OF NORTHBOUND MD 650 LAG LEFT TURN MOVEMENT AND THE SLIGO CREEK PARKWAY SIDE STREET MOVEMENT.

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 WITH VIDEO DETECTION INTERFACE EQUIP.	EA	1
9571	FLAT SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN	SF	62
	R10-12 (30"x36") MAST ARM MOUNT	EA	1
	D-3(2) (16" X VAR.) MAST ARM MOUNT	EA	2
	R3-5(R) (30"x36") MAST ARM MOUNT	EA	1
	M95-1 (78"x24") MAST ARM MOUNT	EA	1
	R1-1 (18"x18") POLE MOUNT	EA	1
	R9-5 (12"x18") POLE MOUNT	EA	1

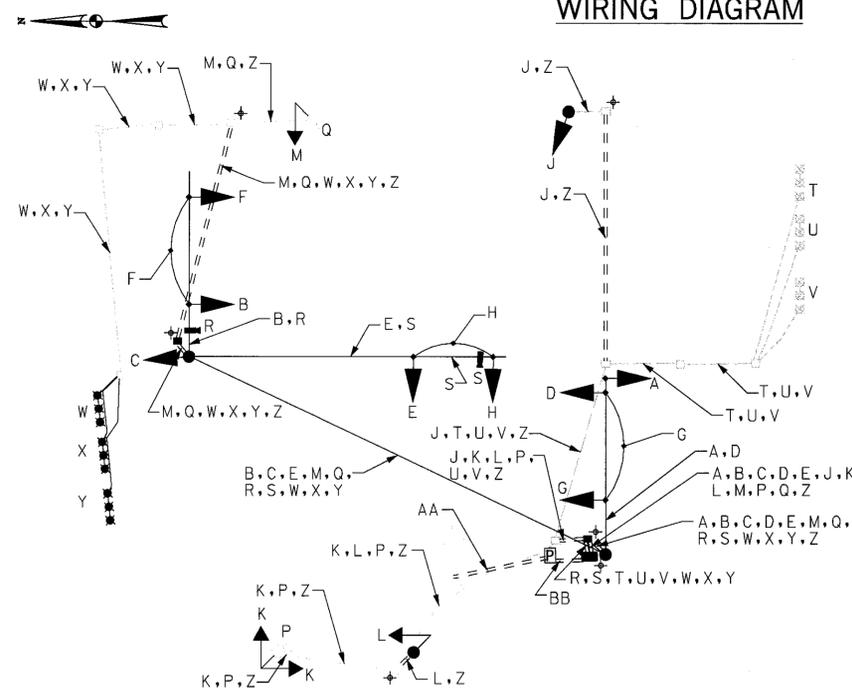
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	3
2001	CLASS 2 EXCAVATION	CY	210
2002	TEST PIT EXCAVATION	CY	3
5003	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH	LF	630
5005	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMO PAVEMENT MARKINGS	LF	460
5006	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMO PAVEMENT MARKINGS	LF	150
6004	4 INCH CONCRETE SIDEWALK	SF	210
8001	CONCRETE FOUNDATION	CY	10
8002	12 INCH PED SIG HEAD SECTION	EA	8
8004	ADJ EXISTING HANDHOLE TO GRADE	EA	4
8008	CONTROL CABLE, 200 FOOT, VIDEO DETECTION	EA	1
8009	CONTROL CABLE, 300 FOOT, VIDEO DETECTION	EA	3
8018	PED POLE (ANY SIZE)	EA	2
8019	REM & DISPOSE MAT & EQUIP PER ASSIGN	EA	1
8020	REMOVE CONCRETE FOUNDATION 12 INCHES BELOW GRADE	EA	2
8025	DISCONNECT, PULL-BACK AND REROUTE CABLE	LF	150
8031	NO. 6 AWG STANDARD BARE COPPER GROUND WIRE	LF	300
8035	WEATHER HEAD, 3 INCH	EA	2
8039	2 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED	LF	10
8040	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED	LF	10
8041	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	30
8044	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED	LF	110
8046	METERED SERVICE PEDESTAL	EA	1
8048	ELECTRICAL CABLE 1- CONDUCTOR NO. 4 AWG-THHN/THWN	LF	60
8051	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE	EA	3
8054	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
8057	INSTALL OVERHEAD SIGN	SF	62
8058	VIDEO DETECTION CAMERA	EA	2
8063	STEEL POLE WITH A SINGLE 38 FOOT MAST ARM	EA	1
8067	STEEL POLE WITH TWIN 50 FOOT AND 70 FOOT MAST ARMS	EA	1
8075	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	6
8077	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	31
8080	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE	EA	2
8083	ELECTRICAL CABLE - 2 CONDUCTOR NO. 14 AWG	LF	400
8084	ELECTRICAL CABLE - 3 CONDUCTOR NO. 14 AWG	LF	380
8085	ELECTRICAL CABLE - 5 CONDUCTOR NO. 14 AWG	LF	350
8086	ELECTRICAL CABLE - 7 CONDUCTOR NO. 14 AWG	LF	700
8089	SAW CUT FOR SIGNAL LOOP DETECTION	LF	70
8093	STEEL SPAN WIRE - 1/4 INCH DIAMETER	LF	140
8096	INSTALL CONTROLLER AND CABINET - BASE MOUNT	EA	1
NEG.	ELECTRICAL CABLE - 1 CONDUCTOR NO. 4/0 AWG	LF	160

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
	CONTROLLER	EA	1

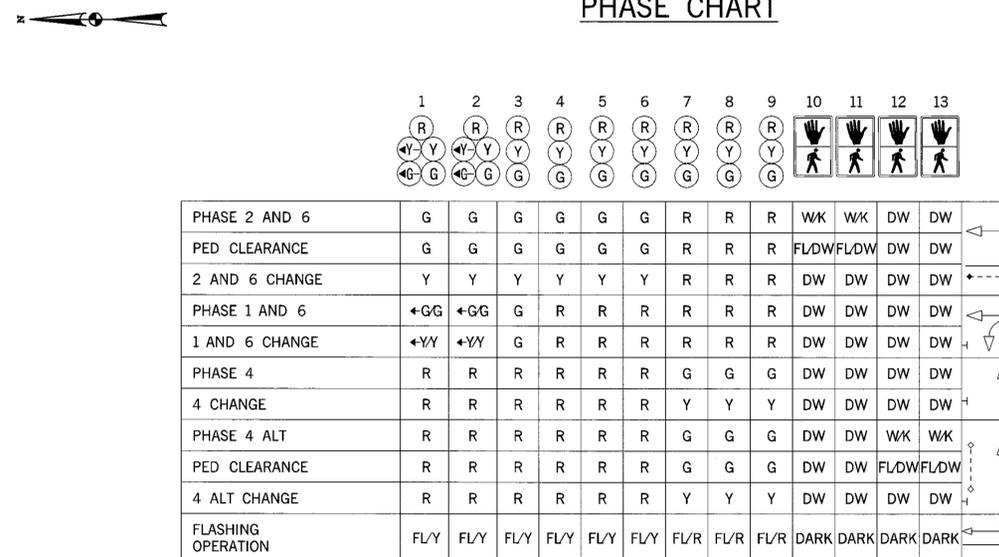
WIRING DIAGRAM



KEY

- A) 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- B) 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C) 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- D) 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E) VIDEO DETECTION CABLE
- F) MICRO-LOOP PROBE LEAD-IN CABLE
- G) 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- H) POWER SERVICE UNDERGROUND 3 WIRE 1 CONDUCTOR (NO. 4/0 AWG)
- I) 2 WIRE 1 CONDUCTOR (NO. 4 AWG)
- J) GROUND ROD

PHASE CHART



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 650 AND
SLIGO CREEK PARKWAY**

CHART: U11430452/088 (CODE: AT004-14)

GENERAL INFORMATION PLAN

SCALE NOT TO SCALE DATE 11/15/04 CONTRACT NO. AT6045185

DESIGNED BY C.FLEMING COUNTY PRINCE GEORGE'S

DRAWN BY C.FLEMING LOGMILE 16065001.25

CHECKED BY S.RENZI T.I.M.S. NO. 6713

F.A.P. NO. TOD NO.

DRAWING NO. TS-373D

SHEET NO. 2 OF 2

