

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW POINT CONTROL PERSON SIGNAL (FLAG IN THE AIR) AT MD 410 @ EDITOR'S PARK DRIVE IN PRINCE GEORGE'S COUNTY. MD 410 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

1. NORMAL OPERATION

THE SIGNAL WILL OPERATE IN A FLASHING MODE

2. SPECIAL OPERATION

THE SIGNAL WILL OPERATE AS ABOVE UNTIL A PUSHBUTTON IS PUSHED BY THE POINT CONTROL PERSON THEREBY STOPPING THE MD 410 TRAFFIC.

CONTROLLER REQUIREMENTS

INSTALL FULL TRAFFIC ACTUATED 8-PHASE CONTROLLER AND INTERSECTION MONITOR WITH BATTERY BACKUP PHONE DROP AND ASSOCIATED HARNESSES HOUSED IN A NEMA SIZE 6 BASE MOUNTED CABINET

PROJECT CONTACTS

MR. MAJID SHAKIB
ASST. DIST. ENG. - TRAFFIC
1-301-513-7358

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
1-410-787-7630

MR. WAYNE MOWDY
ASST. DIST. ENG. - MAINTENANCE
1-301-513-7304

MR. ED RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS SECTION
1-410-787-7650

MR. AUGIE REBISH
DIST. UTILITY ENGINEER
1-301-513-7350

MR. SONNY BAILEY
SUPERVISOR, SIGN OPERATIONS SECTION
410-787-7670

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM # QUANTITY ITEM DESCRIPTION

9000	1 EA	AUXILIARY CABINET, POLE MOUNT
9036	1 EA	AMBER LED 120 VAC PIXEL #556-1705-801
9042	1 EA	(UPDATED) CONTROLLER, ASC II WITH TELEMETRY
9044	1 EA	SIZE 6 8 PHASE CABINET AND CONTROLLER-BASE MOUNT
9068	1 EA	PLASTIC BOX ENCLOSURE #736-1620 OR PN-1334-DG
9069	1 EA	RED LED 120 VAC PIXEL #556-1505-801
9571	21 SF	SHEET ALUMINUM SIGN MAST ARM MOUNTED - 2 EA 36" 51-1 MOUNTED ON 36"x42" BLACK BACKGROUND
9085	1 EA	PUSHBUTTON FOR AUXILIARY CABINET

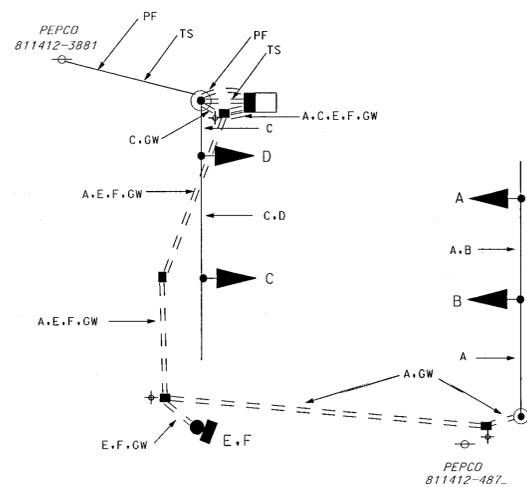
B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM # QUANTITY ITEM DESCRIPTION

1001	2 EA	MAINTENANCE OF TRAFFIC
2001	2 CY	CLASS 2 EXCAVATION
2002	2 CY	TEST PIT EXCAVATION
6001	50 LF	FURNISH AND INSTALL DEPRESSED CURB AND GUTTER
6004	275 SF	FURNISH AND INSTALL 4" CONCRETE SIDEWALK
8001	6 CY	FURNISH AND INSTALL CONCRETE FOUNDATION
8018	1 EA	FURNISH AND INSTALL PED POLE ANY SIZE
8027	20 SF	FURNISH AND INSTALL DETECTABLE WARNING SURFACES
8031	250 LF	FURNISH AND INSTALL #6 STRANDED BARE COPPER GROUND WIRE
8032	15 LF	FURNISH AND INSTALL 1" GALVANIZED RISER
8038	190 LF	FURNISH AND INSTALL 4" SCH 80 RIGID PVC CONDUIT-BORED
8039	10 LF	FURNISH AND INSTALL 2" SCH 80 RIGID PVC CONDUIT-TRENCHED
8040	20 LF	FURNISH AND INSTALL 3" SCH 8-RIGID PVC CONDUIT-TRENCHED
8041	15 LF	FURNISH AND INSTALL 4" SCH 8-RIGID PVC CONDUIT-TRENCHED
8047	1 EA	FURNISH AND INSTALL ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS
8054	4 EA	FURNISH AND INSTALL ELECTRICAL HANDBOX
8057	21 SF	INSTALL OVERHEAD SIGN
8064	2 EA	FURNISH AND INSTALL STEEL POLE WITH A SINGLE 50 FOOT MAST ARM
8075	3 EA	FURNISH AND INSTALL GROUND ROD 3/4" DIAMETER X 10' LENGTH
8076	4 EA	FURNISH AND INSTALL 8" VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8077	8 EA	FURNISH AND INSTALL 12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8080	2 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8083	140 LF	FURNISH AND INSTALL 2- CONDUCTOR # 14 AWG ELECTRICAL CABLE
8085	550 LF	FURNISH AND INSTALL 5- CONDUCTOR # 14 AWG ELECTRICAL CABLE
8086	60 LF	FURNISH AND INSTALL 7- CONDUCTOR # 14 AWG ELECTRICAL CABLE
8095	1 EA	INSTALL CONTROLLER AND CABINET-POLE MOUNT
8096	1 EA	INSTALL CONTROLLER AND CABINET-BASE MOUNT

PHASING CHART

	1	2	3	4	
	(R)	(R)	(R)	(R)	
	(Y)	(Y)	(Y)	(Y)	
	(Y)	(Y)	(Y)	(Y)	
<u>NORMAL OPERATION</u>	8" FL/Y	8" FL/Y	8" FL/Y	8" FL/Y	← →
<u>SPECIAL OPERATION</u>	QUICK 8" FL/Y	QUICK 8" FL/Y	QUICK 8" FL/Y	QUICK 8" FL/Y	
	12"Y	12"Y	12"Y	12"Y	
	R	R	R	R	← →



A.C 7-CONDUCTOR #14 AWG
B.D.E 5-CONDUCTOR #14 AWG
F 2-CONDUCTOR #14 AWG
GW #6 STRANDED BARE COPPER GROUND WIRE
PF PROPOSED OVERHEAD POWER FEED
TS PROPOSED TELEPHONE SERVICE

PEL57A50B55 AT10423

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 410 @ Editor's Park Drive
Flag in the Air
GENERAL INFORMATION SHEET TS # 4368

SCALE 1:20 DATE 12/2004 CONTRACT NO. _____

DESIGNED BY C. Strain COUNTY Prince George's
DRAWN BY C. Strain LOGMILE 16041002.04
CHECKED BY A. Beall T.I.M.S. NO. 6707
F.A.P. NO. _____ TOD NO. _____

DRAWING NO. 4368 OF SHEET NO. 2 OF 2

PLOTTED: #DATE#
FILE: #FILE#

BY: \$USER\$

Printed by CStrain on 03/29/2005 at 11:16:15 AM