# PROJECT DESCRIPTION

## GENERAL

THIS PROJECT INVOVLES 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

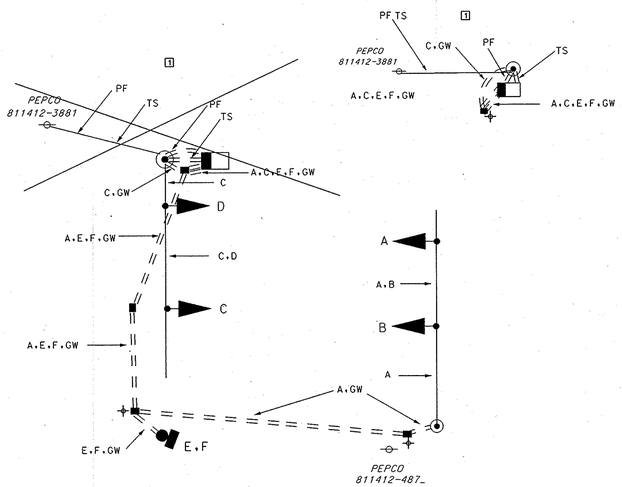
MR. WAYNE MOWDY
ASST. DIST. ENG. - MAINTENANCE
1-301-513-7304

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

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

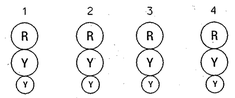
MR. ED RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS SECTION
1-410-787-7650

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




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

## PHASING CHART




| | | | | | |
|---|---|---|---|---|---|
| NORMAL OPERATION | 8" FL/Y | 8" FL/Y | 8" FL/Y | 8" FL/Y | ← → |
| SPECIAL OPERATION | 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. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

| ITEM # | QUANTITY | ITEM DESCRIPTION |
|---|---|---|
| 9000 | 1 EA | AUXILIARY CABINET FOR FITA-POLE MOUNT |
| 9000 | 1 EA | AUXILIARY CABINET, POLE MOUNT |
| 9036 | 1 EA | AMBER LED 120 VAC PIXEL #556-1705-801 |
| 9042 | 1 EA | (UPDATED) CONTROLLER, ASC I| 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" S1-1 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 |
| 1 | 2002 | ~~2 CY~~ 5 CY | TEST PIT EXCAVATION |
| | 6001 | 50 LF | FURNISH AND INSTALL DEPRESSED CURB AND GUTTER |
| | 6004 | 275 SF | FURNISH AND INSTALL 4" CONCRETE SIDEWALK |
| 1 | 8001 | ~~6 CY~~ 9 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 |
| 1 | ~~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 |
| 1 | 8080 | ~~2 EA~~ 1 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 |
| 1 | 8014 | 1 EA | FURNISH AND INSTALL AMST ARM POLE (15'T) AND 50' MAST ARM |
| 1 | 8015 | 1 EA | FURNISH AND INSTALL AMST ARM POLE (15'T) AND 60' MAST ARM |

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

SCALE 1:20 DATE 12/2004 CONTRACT NO. AT6045185

DESIGNED BY C. Strain
DRAWN BY C. Strain
CHECKED BY A. Beall
F.A.P. NO.
COUNTY Prince George's
LOGMILE 16041002.04
T.I.M.S. NO. G707
TQD NO.

TS # 4368 | DRAWING NO. OF | SHEET NO. OF

PLOTTED: $DATETIME$
FILE: $FILE$

BY: $USERNAME$