GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 28 (KEY WEST AVE.) AT MD 119 (GREAT SENECA HWY.) IN MONTGOMERY COUNTY.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE FOLLOWING:

- UPGRADING BOTH OF THE EXISTING SIDEROAD (MD 119) LEFT TURN PHASES FROM E/P TO EXCLUSIVE.
- MODIFYING THE EXISTING PAVEMENT MARKINGS AND SIGNALS TO PROVIDE DOUBLE LEFT TURN LANES FOR MD 119 SB.
- INSTALLING ADA RAMPS AND SIDEWALKS.
- UPGRADING THE EXISTING PUSHBUTTONS AND SIGNS TO THE LATEST SHA STANDARDS.
- REMOVING EXISTING GROUND-MOUNTED SIGNS AND INSTALLING NEW ONES ON 4x4 WOOD SUPPORTS.

THE FOLLOWING IS THE PROJECT CONTACT LIST:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER – TRAFFIC
PHONE: (301) 513-7300

MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER– MAINTENANCE
PHONE: (301) 513-7300

MR. AUGI REBISH, ASSISTANT DISTRICT ENGINEER – UTILITY
PHONE: (301) 513-7300

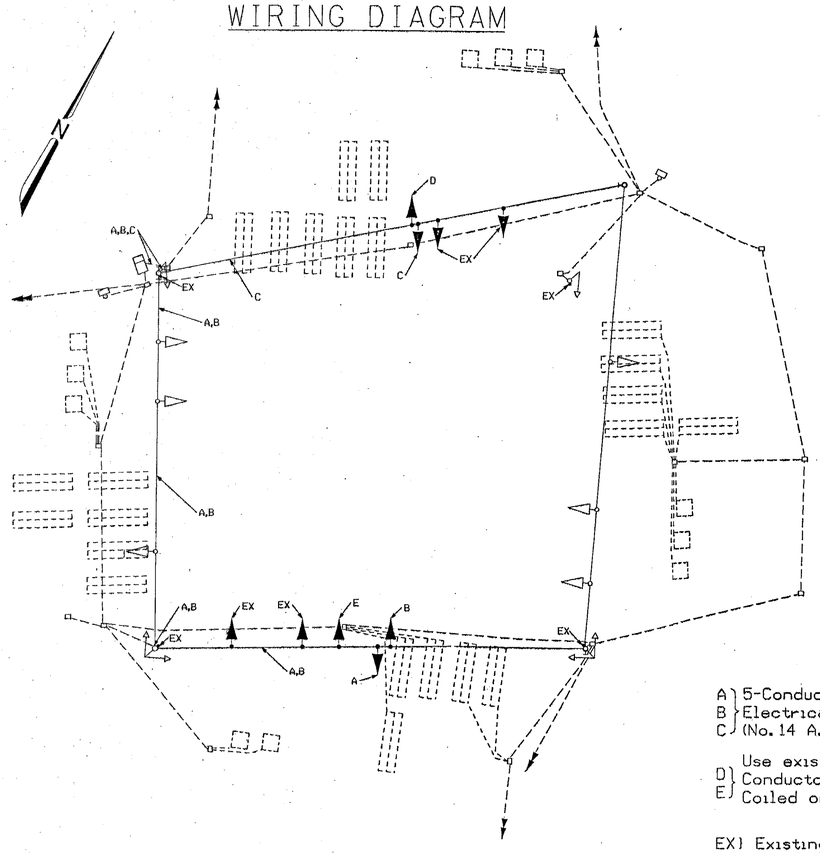
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT GONZALES, TRAFFIC ENGINEER MCDPWT
PHONE: (240) 777-2190

## PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 20,21 | 16-19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R Y G | R Y G | R Y G | R Y G | R Y G | R Y G | ◄R- ◄Y- ◄G- | ◄R- ◄Y- ◄G- | R Y G | R Y G | ◄R- ◄Y- ◄G- | ◄R- ◄Y- ◄G- | ◄R- ◄Y- ◄G- | R Y G | R Y G | DW WK | DW WK |
| Phase 2 & 6 | G | G | G | G | G | G | ◄R- | ◄R- | R | R | ◄R- | ◄R- | ◄R- | R | R | WK | DW |
| Ped Clearance | G | G | G | G | G | G | ◄R- | ◄R- | R | R | ◄R- | ◄R- | ◄R- | R | R | FL/DW | DW |
| 2 & 6 Change | Y | Y | Y | Y | Y | Y | ◄R- | ◄R- | R | R | ◄R- | ◄R- | ◄R- | R | R | DW | DW |
| Phase 3 & 7 | R | R | R | R | R | R | ◄G- | ◄G- | R | R | ◄G- | ◄G- | ◄G- | R | R | DW | DW |
| 3 & 7 Change | | | | THE CONTROLLER MAY SKIP TO PHASES 3 & 8 OR 4 & 7 OR 4 & 8 | | | | | | | | | | | | DW | DW |
| Phase 3 & 8 | R | R | R | R | R | R | ◄G- | ◄G- | G | G | ◄R- | ◄R- | ◄R- | R | R | DW | DW |
| 3 Change | R | R | R | R | R | R | ◄Y- | ◄Y- | G | G | ◄R- | ◄R- | ◄R- | R | R | DW | DW |
| Phase 4 & 7 | R | R | R | R | R | R | ◄R- | ◄R- | R | R | ◄G- | ◄G- | ◄G- | G | G | DW | DW |
| 7 Change | R | R | R | R | R | R | ◄R- | ◄R- | R | R | ◄Y- | ◄Y- | ◄Y- | G | G | DW | DW |
| Phase 4 & 8 | R | R | R | R | R | R | ◄R- | ◄R- | G | G | ◄R- | ◄R- | ◄R- | G | G | DW | DW |
| 4 & 8 Change | R | R | R | R | R | R | ◄R- | ◄R- | G | G | ◄R- | ◄R- | ◄R- | G | G | DW | DW |
| Alt. 4 & Alt. 8 | R | R | R | R | R | R | ◄R- | ◄R- | G | G | ◄R- | ◄R- | ◄R- | G | G | DW | WK |
| Ped. Clear | R | R | R | R | R | R | ◄R- | ◄R- | G | G | ◄R- | ◄R- | ◄R- | G | G | DW | FL/DW |
| Alt. 4 & Alt. 8 Change | R | R | R | R | R | R | ◄R- | ◄R- | Y | Y | ◄R- | ◄R- | ◄R- | Y | Y | DW | DW |
| Flashing Operation | FL/Y | FL/Y | FL/Y | FL/Y | FL/Y | FL/Y | FL/ ◄R- | FL/ ◄R- | FL/R | FL/R | FL/ ◄R- | FL/ ◄R- | FL/ ◄R- | FL/R | FL/R | DARK | DARK |

## WIRING DIAGRAM




A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 9504 | 48.5 SF | SHEET ALUMINUM SIGN |

2 – LEFT ONLY R3-5L (30x36)

1 – KEEP RIGHT R4-7 (24x30)

1 – DO NOT ENTER R5-1 (30x30)

2 – MODIFIED PED EDUCATION R10-4(1)MOD (9x12) "TO CROSS GR SENECA HWY"

2 – PEDESTRIAN X-ING W11-2 (30x30)

1 – BLACK ON YELLOW DIAGONAL DIRECTIONAL ARROW M6-2L (21x15)

1 – BLACK ON YELLOW ACROSS RAMP W13-4(1) (36x24)

C. EQUIPMENT TO BE REMOVED.

NONE. ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

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

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 1001 | 1 EA | MAINTENANCE OF TRAFFIC |
| 2001 | 1 CY | CLASS 2 EXCAVATION |
| 5001 | 4 EA | HEAT APP PERM THERMO PAVE MARK ARRO |
| 5004 | 675 LF | 12 IN WHT HEAT APP THERMO PAVE MARK |
| 5005 | 135 LF | 24 IN WHT HEAT APP THERMO PAVE MARK |
| 5006 | 120 LF | 5 IN WHT HEAT APP THERMO PAVE MARK |
| 5008 | 525 LF | REMOVAL OF EXISTING PAVEMENT LINE MARKINGS– ANY WIDTH |
| 6001 | 60 LF | F&I DEPRESS CURB AND GUTTER |
| 6002 | 60 LF | STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH |
| 6004 | 460 SF | 4 INCH CONCRETE SIDEWALK |
| 8004 | 1 EA | ADJ EXISTING HANDHOLE TO GRADE INCLUDING COLLAR |
| 8011 | 27 EA | F&I 12 IN VEH SIG HEAD SECTION |
| 8032 | 4 EA | F&I PUSHBUTTON AND SIGN |
| 8047 | 1 EA | REM & DISPOSE FOUNDATION 12" BELOW GRADE |
| 8048 | 1 EA | REM & DISPOSE MAT & EQUIP PER ASSIGN |
| 8059 | 47.5 LF | FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH |
| 8074 | 19.7 SF | INSTALL GROUND MOUNTED SIGN |
| 8075 | 28.8 SF | INSTALL OVERHEAD SIGN |
| 8084 | 800 LF | FURNISH AND INSTALL ELECTRICAL CABLE– 5 CONDUCTOR (NO 14 AWG) |
| NEG | 1 LS | MOBILIZATION OUT OF DISTRICT 5 |

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION

MD 28 (KEY WEST AVE.) @ MD 119 (GREAT SENECA HWY.)

| | | | |
|---|---|---|---|
| DRAWN BY: J. GALES | F.A.P. NO. | TS NO. 3803B | SHEET NO. |
| CHECKED BY: | S.H.A. NO. MO 382 A/B/M 5-2 | | |
| SCALE: | COUNTY: MONTGOMERY | T.I.M.S. NO. F091 | 2 OF 3 |
| DATE: | LOG MILE: 15028018.83 | | |