# EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

| ITEM # | QUANTITY | ITEM DESCRIPTION |
|---|---|---|
| 9001 | 1 EA | DETECTOR RACK POWER SUPPLY |
| 9016 | 3 EA | 4 CHANNEL DETECTOR AMPLIFIER |
| 9046 | 1 EA | DETECTOR RACK RETROFIT |

* THESE ITEMS TO BE CHARGED TO THE STATEWIDE DETECTOR UPGRADE PROGRAM

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

| ITEM # | QUANTITY | ITEM DESCRIPTION |
|---|---|---|
| 1001 | 2 EA | MAINTENANCE OF TRAFFIC |
| 2002 | 2 CY | TEST PIT EXCAVATION |
| 5005 | 180 LF | 12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS |
| 6002 | 90 LF | STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH |
| 6004 | 660 SF | 4 INCH CONCRETE SIDEWALK |
| 8001 | 2 CY | CONCRETE FOUNDATION |
| 8002 | 8 EA | 12 INCH PEDESTRIAN SIGNAL HEAD |
| 8004 | 1 EA | ADJUST EXISITNG HANDHOLE TO GRADE |
| 8012 | 2 EA | PAINT STRUCTURE ON GROUND |
| 8013 | 2 EA | PED POLE ANY SIZE |
| 8014 | 1 EA | REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT) |
| 8022 | 420 LF | NO. 6 AWG STRANDED BARE COPPER GROUND WIRE |
| 8031 | 80 LF | 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED |
| 8036 | 10 LF | 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE |
| 8045 | 1 EA | FURNISH AND INSTALL ELECTRICAL HANDHOLE |
| 8069 | 2 EA | GROUND ROD -3/4INCH DIAMETER X 10 FOOT LENGTH |
| 8071 | 6 EA | 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION |
| 8075 | 4 EA | PAINTING INSTALLED TRAFFIC SIGNAL STRUCTURE |
| 8076 | 270 LF | ELECTRICAL CABLE - 2 CONDUCTOR NO.14 AWG ALUMINUM SHIELDED |
| 8077 | 710 LF | ELECTRICAL CABLE - 2 CONDUCTOR NO.14 AWG |
| 8078 | 710 LF | ELECTRICAL CABLE - 3 CONDUCTOR NO.14 AWG |
| 8082 | 880 LF | LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO.14 AWG) |
| 8083 | 150 LF | SAWCUT FOR SIGNAL (LOOP DETECTOR) |
| 8084 | 2 EA | PUSHBUTTON AND SIGN |
| NEG | 46 SF | FURNISH AND INSTALL DETECTIBLE WARNING SURFACES |

C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the contractor.

# PROJECT CONTACTS

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(301) 624-8140

MR. JIM BUCKALEW
DISTRICT 7 UTILITY ENGINEER
(301) 624-8115

MR. DAVE COYNE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(301) 624-8105

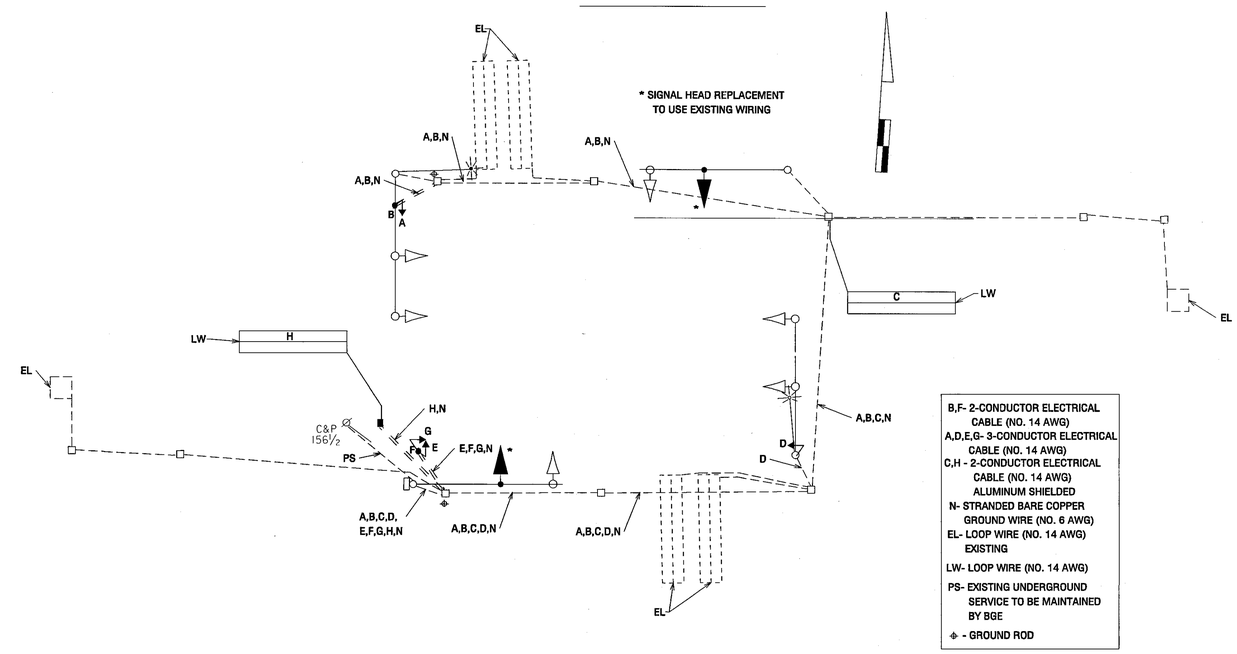
MR. ED RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS
(410) 787-7652

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

# PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| PHASE 2 & 6 | G | G | G | G | R | R | R | R | DW | DW |
| PED CLEAR | G | G | G | G | R | R | R | R | FL/DW | FL/DW |
| 2 & 6 CHANGE | Y | Y | Y | Y | R | R | R | R | DW | DW |
| PHASE 3 | R | R | R | R | R | R | G G | G | DW | DW |
| 3 CHANGE | R | R | R | R | R | R | Y | Y | DW | DW |
| PHASE 4 | R | R | R | R | G G | G | R | R | DW | DW |
| 4 CHANGE | R | R | R | R | Y | Y | R | R | DW | DW |
| PHASE 4 ALT | R | R | R | R | G G | G | R | R | W | W |
| PED CLEAR | R | R | R | R | G G | G | R | R | FL/DW | FL/DW |
| 4 ALT CHANGE | R | R | R | R | Y | Y | R | R | DW | DW |
| FLASHING OPERATION | FL/Y | FL/Y | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | DARK | DARK |

# WIRING DIAGRAM




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

MD 108 AND TEN MILLS RD / CENTENNIAL PARK ENTRANCE

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | J. Dirndorfer | F.A.P. NO. | AC-STPG-000S(687)E | TS NO. 2121 B | SHEET NO. 2 OF 2 |
| CHECKED BY: | S.G.R. | S.H.A. NO. | H0830A51/B51 | | |
| SCALE: | 1"= 20' | COUNTY: | HOWARD | T.I.M.S. NO. D-250 | |
| DATE: | 11-21-85 | LOG MILE: | 13010808.98 | | |