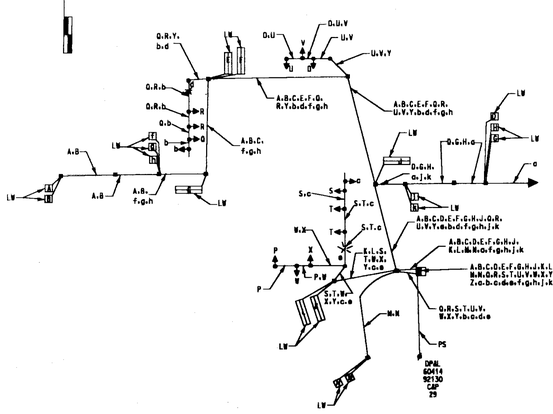
# US 50 AND MD 707

## PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PHASE 1 & 5 | G | G | R | R | G | G | R | R | R | R | R | R | R | R |
| 1 & 5 CHANGE | TO PHASE 1 & 6 OR PHASE 2 & 5 | | | | | | | | | | | | | |
| PHASE 1 & 6 | G | G | G | G | R | R | R | R | R | R | R | R | R | R |
| 1 CHANGE | Y | Y | G | G | R | R | R | R | R | R | R | R | R | R |
| PHASE 2 & 5 | R | R | R | R | G | G | G | G | R | R | R | R | R | R |
| 5 CHANGE | R | R | R | R | Y | Y | G | G | R | R | R | R | R | R |
| PHASE 2 & 6 | R | R | G | G | R | R | G | G | R | R | R | R | R | R |
| 2 & 6 CHANGE | R | R | Y | Y | R | R | Y | Y | R | R | R | R | R | R |
| PHASE 4 & 8 | R | R | R | R | R | R | R | R | G | G | G | G | G | G |
| 4 & 8 CHANGE | R | R | R | R | R | R | R | R | Y | Y | Y | Y | Y | Y |
| FLASHING OPERATION | FL/RA | FL/RA | FL/Y | FL/Y | FL/RA | FL/RA | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R |

## WIRING DIAGRAM



### WIRING KEY

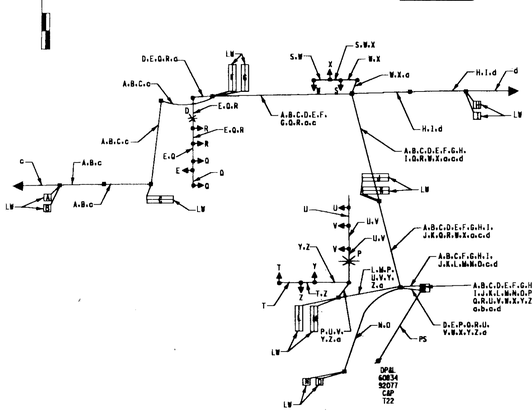
- A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X — 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) (ALUMINUM SHIELDED)
- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- T - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- Z - 3-WIRE ELECTRICAL CABLE (NO. 4 A.W.G.)
- a - 12-PAIR, VOICE GRADE TELEMETRY CABLE (NO. 19 A.W.G.) (JELLY-FILLED)
- LW - LOOP WIRE (NO. 14 A.W.G.)
- d,e - 2-CONDUCTOR ELECTRICAL CABLE (NO.12 A.W.G.)TYPE THHN TRAY
- PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY OPAL

# US 50 AND MD 611

## PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PHASE 1 & 5 | G | G | R | R | G | G | R | R | R | R | R | R | R | R |
| 1 & 5 CHANGE | TO PHASE 1 & 6 OR PHASE 2 & 5 | | | | | | | | | | | | | |
| PHASE 1 & 6 | G | G | G | G | R | R | R | R | R | R | R | R | R | R |
| 1 CHANGE | Y | Y | G | G | R | R | R | R | R | R | R | R | R | R |
| PHASE 2 & 5 | R | R | R | R | G | G | G | G | R | R | R | R | R | R |
| 5 CHANGE | R | R | R | R | Y | Y | G | G | R | R | R | R | R | R |
| PHASE 2 & 6 | R | R | G | G | R | R | G | G | R | R | R | R | R | R |
| 2 & 6 CHANGE | R | R | Y | Y | R | R | Y | Y | R | R | R | R | R | R |
| PHASE 3 | R | R | R | R | R | R | R | R | R | R | R | G G | G G | G |
| 3 CHANGE | R | R | R | R | R | R | R | R | R | R | R | Y | Y | Y |
| PHASE 4 | R | R | R | R | R | R | R | R | G G | G G | G | R | R | R |
| 4 CHANGE | R | R | R | R | R | R | R | R | Y | Y | Y | R | R | R |
| FLASHING OPERATION | FL/RA | FL/RA | FL/Y | FL/Y | FL/RA | FL/RA | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R |

## WIRING DIAGRAM



### WIRING KEY

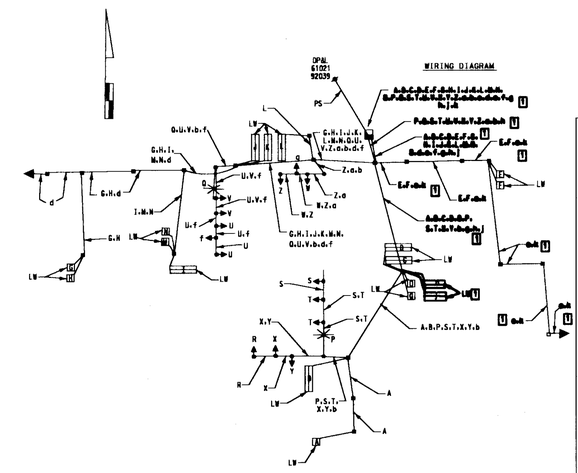
- A, B, C, D, E, F, G, H, I, J, K, L, M, N — 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) (ALUMINUM SHIELDED)
- O, P — 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) TYPE THHN TRAY CABLE
- Q, R, S, T, U, V — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- W, X, Y, Z — 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- d - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- b - 3-WIRE ELECTRICAL CABLE (NO. 4 A.W.G.)
- c, d - 12-PAIR, VOICE GRADE TELEMETRY CABLE (NO. 19 A.W.G.) (JELLY-FILLED)
- LW - LOOP WIRE (NO. 14 A.W.G.)
- PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY OPAL

# US 50 AND GOLF COURSE ROAD

## PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PHASE 1 & 5 | G | G | R | R | G | G | R | R | R | R | R | R | R | R |
| 1 & 5 CHANGE | TO PHASE 1 & 6 OR PHASE 2 & 5 | | | | | | | | | | | | | |
| PHASE 1 & 6 | G | G | G | G | R | R | R | R | R | R | R | R | R | R |
| 1 CHANGE | Y | Y | G | G | R | R | R | R | R | R | R | R | R | R |
| PHASE 2 & 5 | R | R | R | R | G | G | G | G | R | R | R | R | R | R |
| 5 CHANGE | R | R | R | R | Y | Y | G | G | R | R | R | R | R | R |
| PHASE 2 & 6 | R | R | G | G | R | R | G | G | R | R | R | R | R | R |
| 2 & 6 CHANGE | R | R | Y | Y | R | R | Y | Y | R | R | R | R | R | R |
| PHASE 3 | R | R | R | R | R | R | R | R | G G | G G | G | R | R | R |
| 3 CHANGE | R | R | R | R | R | R | R | R | Y | Y | Y | R | R | R |
| PHASE 4 | R | R | R | R | R | R | R | R | R | R | R | G G | G G | G |
| 4 CHANGE | R | R | R | R | R | R | R | R | R | R | R | Y | Y | Y |
| FLASHING OPERATION | FL/RA | FL/RA | FL/Y | FL/Y | FL/RA | FL/RA | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R |

## WIRING DIAGRAM



### WIRING KEY

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- LW - LOOP WIRE (NO. 14 A.W.G.)
- PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY OPAL

1 -REVISED 3/22/99

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1302 Concourse Drive, Suite 104
Linthicum, Maryland 21090
Ph (410) 859-3553
Fax (410) 859-3579

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| REVISIONS | |
|---|---|
| 1 | LOOPS + CONDUIT 3/99 |

APPROVALS

ASST. CHIEF TEDD SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

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

US 50: MD 707 EAST TO SHANTYTOWN ROAD

| | | | |
|---|---|---|---|
| DRAWN BY: THACKER | COUNTY: WORCESTER | TS NO. | SHEET NO. |
| CHECK BY: EMM | LOG MILE: | | |
| DATE: 10-16-98 | F.A.P. NO. | T.I.M.S. NO. | 49 OF 63 |
| SCALE: N/A | S.H.A. NO. W07355176 | | |

MAR 15 1999