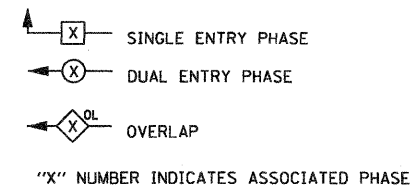


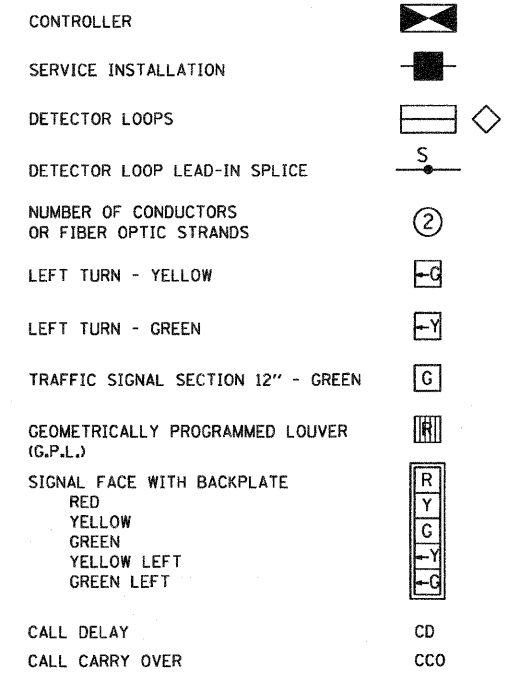
| MAP NAME | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|---------|--------------|-----------|
| TO | 60-10 (K-1,HB) | MADISON | 420 | 201 |
| STA. | TO STA. | | | |
| CONTRACT NO.: 76709 | | | | |

| PROPOSED SEQUENCE OF OPERATION | | | | | | | | |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| PHASE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| MOVEMENT | | | | | | | | |
| CONCURRENT MOVEMENT PERMITTED | 5 OR 6 | 5 OR 6 | 7 OR 8 | 7 OR 8 | 1 OR 2 | 1 OR 2 | 3 OR 4 | 3 OR 4 |

PHASE DESIGNATION LEGEND

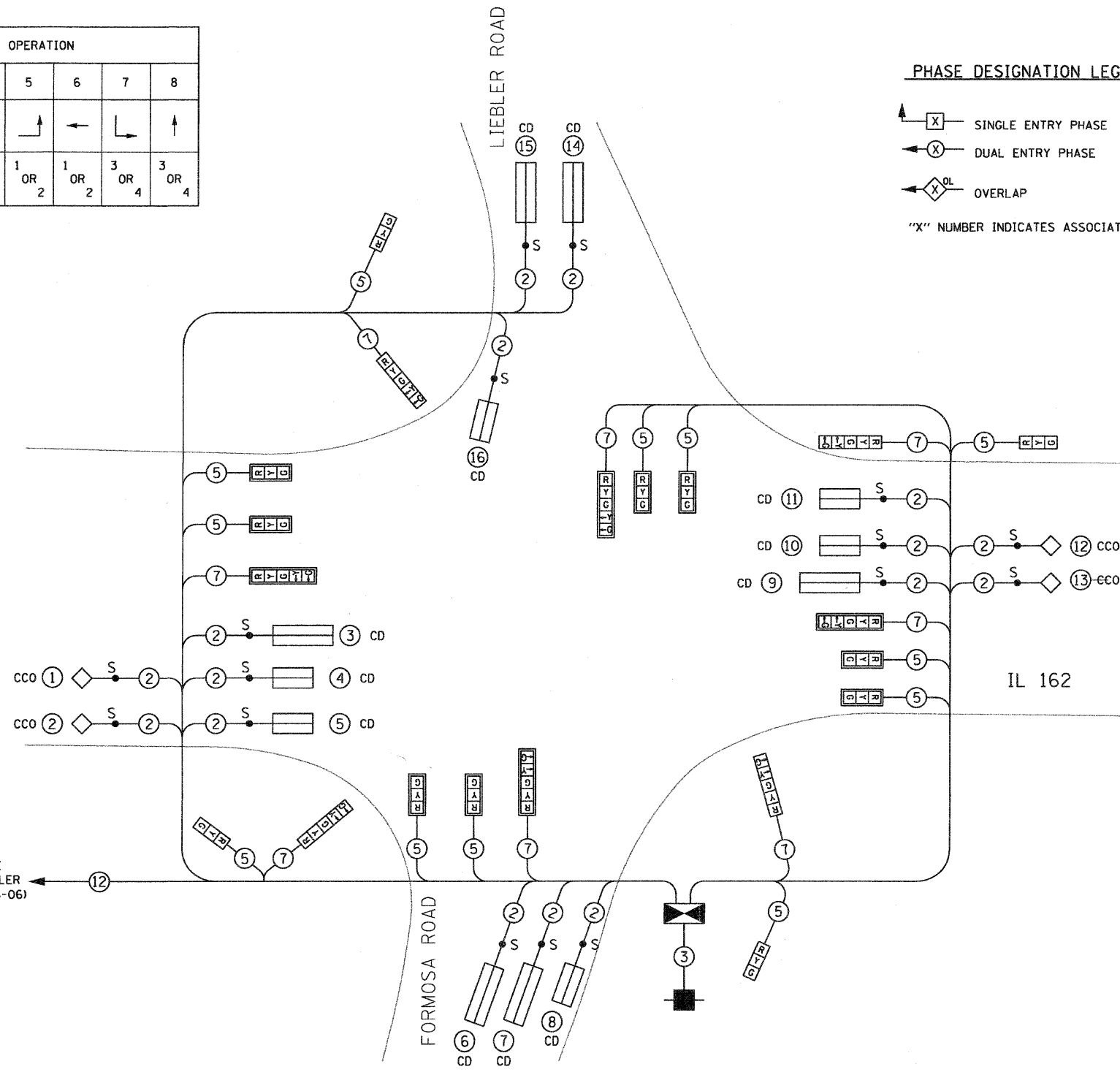
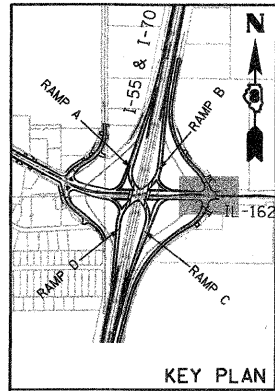


CABLE PLAN LEGEND

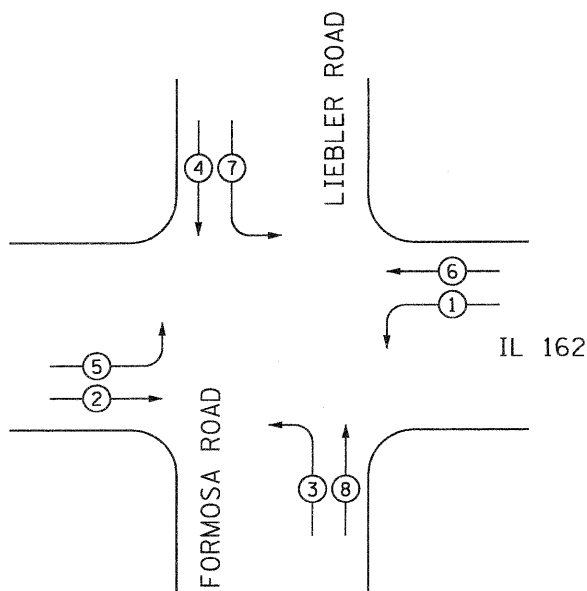


| DETECTOR LOOP REQUIREMENTS AND CALCULATIONS IL-162 @ LIEBLER/FORMOSA ROAD | | | | | |
|--|-------|-----------|--------------|---------------------------|-------------------|
| LOOP No. (±) | PHASE | LOOP SIZE | No. OF TURNS | INDUCTANCE (MICROHENRIES) | RESISTANCE (OHMS) |
| 1 | 2 | 6'x6' | 5 | 269 | 3.0 |
| 2 | 2 | 6'x6' | 5 | 266 | 3.0 |
| 3 | 5 | 6'x50' 0 | 3-6-3 | 379 | 3.5 |
| 4 | 2 | 6'x20' 0 | 4-8-4 | 301 | 2.6 |
| 5 | 2 | 6'x20' 0 | 4-8-4 | 298 | 2.5 |
| 6 | 3 | 6'x50' 0 | 3-6-3 | 357 | 3.2 |
| 7 | 8 | 6'x50' 0 | 3-6-3 | 348 | 2.7 |
| 8 | 8 | 6'x20' 0 | 4-8-4 | 268 | 1.6 |
| 9 | 1 | 6'x50' 0 | 3-6-3 | 383 | 3.7 |
| 10 | 6 | 6'x20' 0 | 4-8-4 | 304 | 2.8 |
| 11 | 6 | 6'x20' 0 | 4-8-4 | 301 | 2.8 |
| 12 | 6 | 6'x6' | 5 | 280 | 3.4 |
| 13 | 6 | 6'x6' | 5 | 283 | 3.4 |
| 14 | 7 | 6'x50' 0 | 3-6-3 | 411 | 4.6 |
| 15 | 4 | 6'x50' 0 | 3-6-3 | 406 | 4.3 |
| 16 | 4 | 6'x20' 0 | 4-8-4 | 326 | 3.4 |

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES



1 PROPOSED TRAFFIC SIGNALS CABLE PLAN
N.T.S.



2 PHASE DESIGNATION DIAGRAM
N.T.S.

| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
| | |
| | |
| | |
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNALS
CABLE PLAN
IL 162 @ LIEBLER RD./FORMOSA RD.
FAI ROUTE 70
SECTION 60-10K-1, 60-10HB
MADISON COUNTY

DRAWN BY: RPJ CHECKED BY: A. OSHANA, P.E.

TS-08

| | |
|---------|------|
| PLAN | DATE |
| BY | |
| CHECKED | |
| DATE | |
| NO. | |

XXXX-XXX - 100T IL 162 over I-55,70 revisions
236-TS-08-east-Cable.dwg
1/28/2009
4:59:00 PM
Robert Swanson