

| | | | | |
|---------------------|-----------|------------------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 94/90 | 2003-0311 | COOK | 976 | 315 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

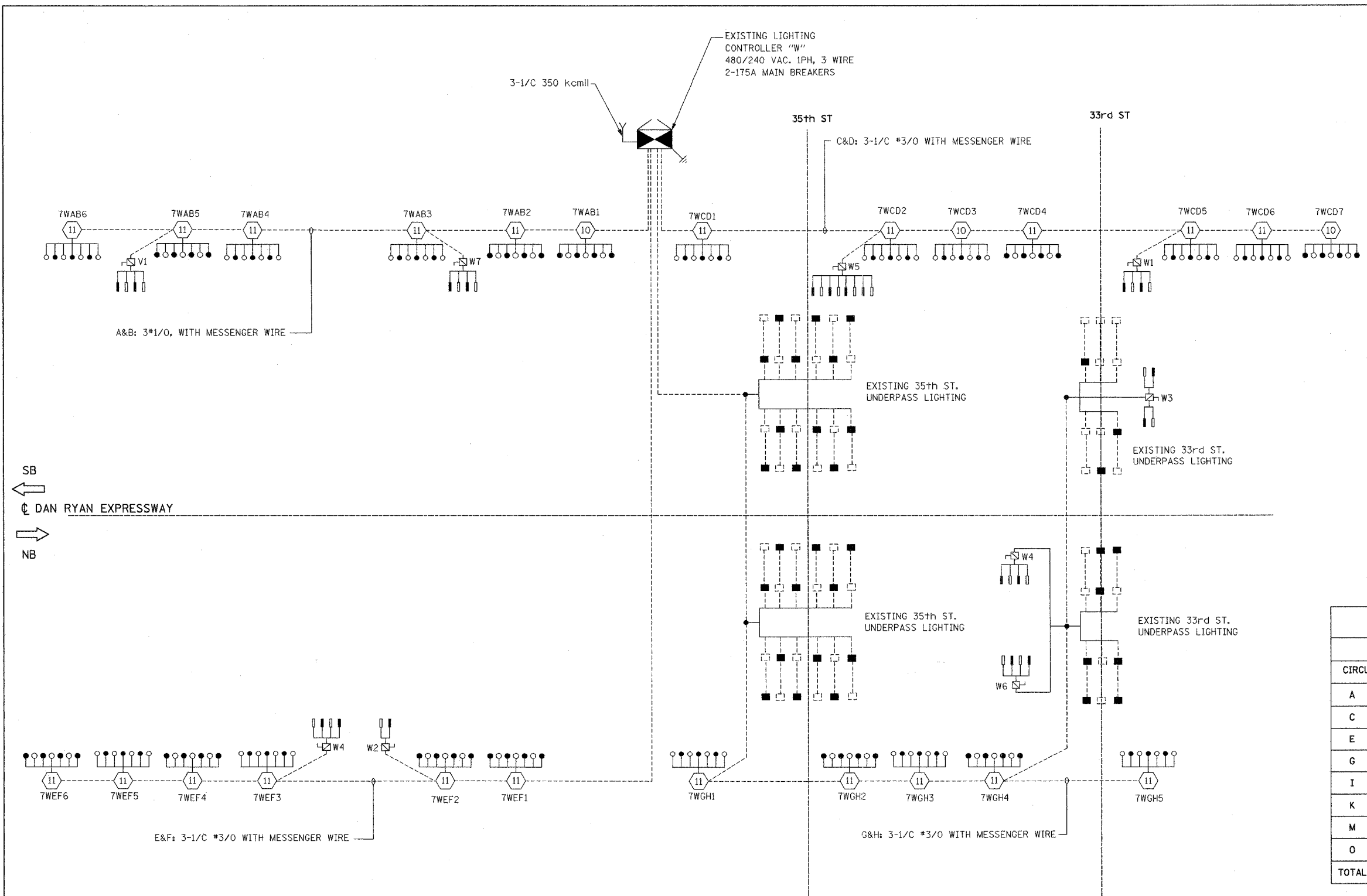
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LEGEND:

- HIGH MAST LIGHT TOWER
- 400W. HPS LUMINAIRE (BLACK PHASE- SOLID SYMBOLS, RED PHASE-OPEN SYMBOL)
- TVCD1 HIGH MAST TOWER DESIGNATION
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE
- AERIAL CABLE, 3*3/0 WITH MESSENGER CABLE UNLESS OTHERWISE INDICATED
- LIGHTED SIGN STRUCTURE WITH 170 W. FLUORESCENT LUMINAIRES. QUANTITY OF LUMINAIRES AS REQUIRED. (BLACK PHASE- SOLID SYMBOLS, RED PHASE- OPEN SYMBOL)
- 3 POLE SAFETY SWITCH
- UNDERPASS LIGHTING UNIT, 55W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)

| CIRCUIT | RED PHASE | | BLACK PHASE | | |
|---------|-----------|--------|-------------|---------|--------|
| | AMPS | WATTS | CIRCUIT | AMPS | WATTS |
| A | 45.20 | 9080 | B | 45.20 | 9080 |
| C | 69.75 | 13715 | D | 57.65 | 11385 |
| E | 42.40 | 8510 | F | 46.40 | 9310 |
| G | 45.15 | 8815 | H | 43.85 | 8525 |
| I | SPARE | SPARE | J | SPARE | SPARE |
| K | SPARE | SPARE | L | SPARE | SPARE |
| M | SPARE | SPARE | N | SPARE | SPARE |
| O | SPARE | SPARE | P | SPARE | SPARE |
| TOTAL | 202.50A | 40,120 | TOTAL | 193.10A | 38,300 |



SL05-12

KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis Road, Suite 205
Elgin, Illinois 60123-1369

| REVISIONS | |
|-----------|------|
| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "W"
PROPOSED IMPROVEMENTS 2005**

SCALE: NONE
DATE: OCTOBER 29, 2004

DRAWN BY: BL
CHECKED BY: SM

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