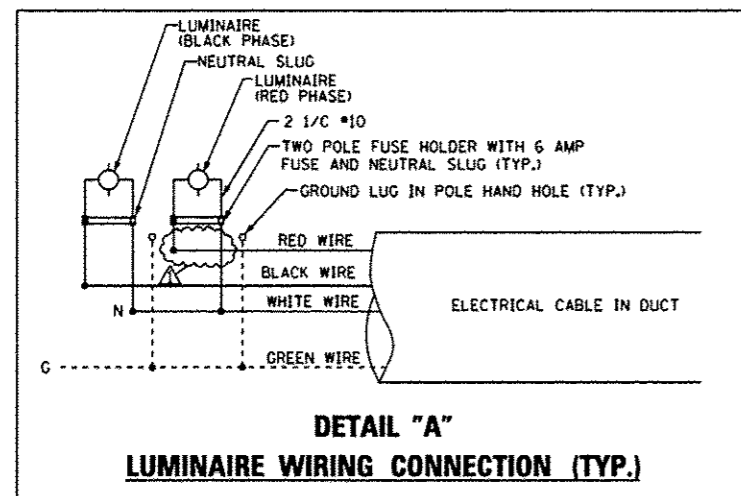
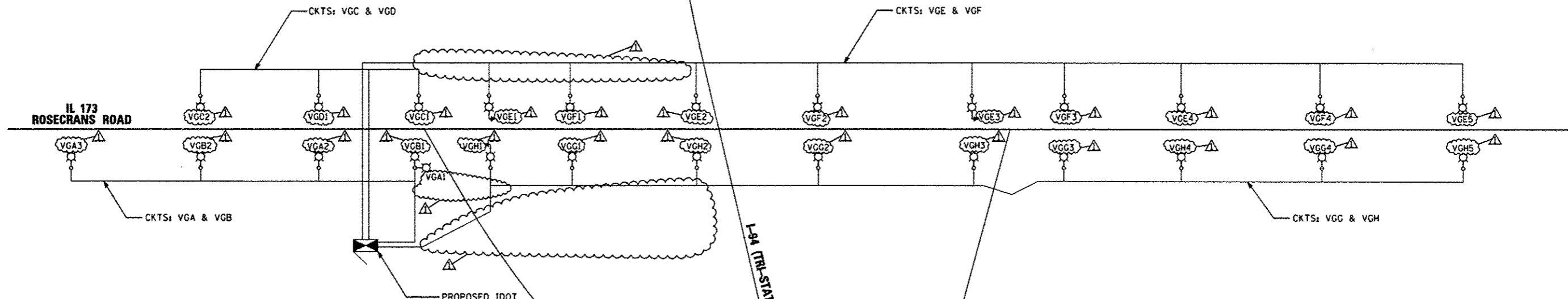


**LOAD TABLE**  
PROPOSED LIGHTING CONTROLLER "VG"  
(@ 240 VOLT)

| CIRCUIT | RED PHASE (RED CABLE) |       | CIRCUIT | BLACK PHASE (BLACK CABLE) |       |
|---------|-----------------------|-------|---------|---------------------------|-------|
|         | AMPS                  | WATTS |         | AMPS                      | WATTS |
| A       | 6                     | 1440  | B       | 4                         | 960   |
| C       | 4                     | 960   | D       | 2                         | 480   |
| E       | 10                    | 2400  | F       | 8                         | 1920  |
| G       | 8                     | 1920  | H       | 10                        | 2400  |
| TOTAL   | 28                    | 6720  | TOTAL   | 24                        | 5760  |



PROPOSED IDOT LIGHTING CONTROLLER "VG" 240/480V, SINGLE PHASE, 3-WIRE NON-RADIO SINGLE DOOR CABINET (PER IDOT DETAIL BE-215)

**LEGEND**

- PROPOSED LIGHTING UNIT 47.5' M.H., WITH 400W HPS LUMINAIRE, 240V
- PROPOSED LIGHTING UNIT 47.5' M.H., 2-15' D.A. WITH 2-400W HPS LUMINAIRES, 240V
- PROPOSED LIGHTING UNIT ON COMBINATION TRAFFIC SIGNAL POLE 45' M.H., WITH 400W HPS LUMINAIRE, 240V
- PROPOSED LIGHTING CONTROLLER, 240/480V, 1 PHASE, 3 WIRE
- PROPOSED UNIT DUCT 1 1/4" DIAMETER, 3-1/2" #4, 1/2" #6 GROUND

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

|           |           |                  |                       |
|-----------|-----------|------------------|-----------------------|
| FILE NAME | USER NAME | DESIGNED - RAS   | REVISED - 7/17/12 RAS |
|           |           | DRAWN - BHH      | REVISED -             |
|           |           | CHECKED - MKR    | REVISED -             |
|           |           | DATE - 6/19/2012 | REVISED -             |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROSECRANS RD**  
**SINGLE LINE DIAGRAM - IDOT CONTROLLER "VG"**

SCALE: NONE    SHEET NO. 16 OF 53 SHEETS    STA. TO STA.

|                    |          |        |              |           |
|--------------------|----------|--------|--------------|-----------|
| F.A. RTE.          | SECTION  | COUNTY | TOTAL SHEETS | SHEET NO. |
| 94                 | 49-1-R-1 | LAKE   | 677          | 376       |
| CONTRACT NO. 60L77 |          |        |              |           |

ILLINOIS FED. AID PROJECT