



**SINGLE LINE DIAGRAM  
LIGHTING CONTROLLER "P"**

**LEGEND**

- HIGH MAST LIGHT TOWER.
- 400 W. HPS LUMINAIRE (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- HIGH MAST TOWER DESIGNATION.
- LIGHTED SIGN STRUCTURE WITH 170 W. FLUORESCENT LUMINAIRES, QUANTITY OF LUMINAIRES AS REQUIRED. (BLACK PHASE-SOLID SYMBOL, RED PHASE, OPEN SYMBOL)
- UNDERPASS LIGHTING UNIT, 70W HPS LUMINAIRE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE

**NOTES:**  
1. SEE DRAWING ME-12 FOR WIRING DIAGRAM DETAILS.

| LOAD TABLE<br>LIGHTING CONTROLLER "P" |              |               |              |              |               |
|---------------------------------------|--------------|---------------|--------------|--------------|---------------|
| CIRCUIT                               | RED PHASE    |               | BLACK PHASE  |              | CIRCUIT       |
|                                       | AMPS         | WATTS         | AMPS         | WATTS        |               |
| A                                     | 22.0         | 5,280         | B            | 20.0         | 4,800         |
| C                                     | 16.2         | 3,888         | D            | 13.4         | 3,216         |
| E                                     | 29.0         | 6,960         | F            | 27.4         | 6,576         |
| G                                     | 13.6         | 3,264         | H            | 11.6         | 2,784         |
| I                                     | 20.7         | 4,968         | J            | 19.8         | 4,752         |
| K                                     | 25.8         | 6,192         | L            | 25.8         | 6,192         |
| M                                     |              |               | N            |              |               |
| O                                     | 34.3         | 8,232         | P            | 33.9         | 8,136         |
| <b>TOTAL</b>                          | <b>161.6</b> | <b>38,784</b> | <b>TOTAL</b> | <b>151.9</b> | <b>36,456</b> |

**SINGH** 300 W. ADAMS ST.  
CHICAGO, IL 60606  
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240  
CONSULTING ENGINEERS FAX: (312) 629-8449

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

**SINGLE LINE DIAGRAM  
LIGHTING CONTROLLER "P"  
PROPOSED IMPROVEMENTS 2007**

SCALE: NOT TO SCALE DRAWN BY: YJ  
DATE: OCTOBER 29, 2004 CHECKED BY: TM

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