

| LIGHTING CONTROLLER "A" LOAD TABLE | | | | | | | | | |
|------------------------------------|-----------|--------|---------|-------------|--------|--|--|--|--|
| CIRCUIT | RED PHASE | | CIDOLIT | BLACK PHASE | | | | | |
| | AMPS | WATTS | CIRCUIT | AMPS | WATTS | | | | |
| Α | 38.5 | 9240 | В | 35 | 8400 | | | | |
| C* | 44.2 | 10609 | D* | 44.2 | 10609 | | | | |
| E | 10.5 | 2520 | F | 10.5 | 2520 | | | | |
| G | 31.5 | 7560 | н | 31.5 | 7560 | | | | |
| I | 21 | 5040 | J | 21 | 5040 | | | | |
| K* | 25.44 | 6107 | L | 21.94 | 5267 | | | | |
| М | | | N | | | | | | |
| 0 | | | Р | | | | | | |
| Q | | | R | | | | | | |
| S | 21.86 | 6910 | Т | 25.36 | 6910 | | | | |
| U | | | V | | | | | | |
| W | | | × | | | | | | |
| TOTAL | 193.00 | 46,320 | TOTAL | 189.50 | 45,480 | | | | |

LOAD TABULATION IS BASED ON THE FOLLOWING:

750W HPS (HMT) LUMINAIRE: 3.5A AT 240V 70W HPS UNDERPASS LUMINAIRE: 0.43A AT 240V "*" SEE NOTE 5

NOTES:

- 1. SEE DRAWING GE-1 FOR ELECTRICAL SYMBOL LIST AND ABBREVIATIONS. SEE DRAWING GE-2 FOR ELECTRICAL GENERAL NOTES AND SUGGESTED LIGHTING PHASING NOTES.
- 2. CIRCUIT AND CABLE CALLOUTS ARE TYPICAL UNLESS NOTED OTHERWISE.
- 3. BUCK-BOOST TRANSFORMERS INSIDE OF TOWER MOUNTED, SS, NEMA 4X JUNCTION BOX. SEE DRAWING RL3-3, NOTE 7.
- 4. UNDERPASS LIGHTING UNITS WIRED WITH 3#10 AND 1#10 GND IN 1" PVCC RGC FROM UNIT TO UNIT. REFER TO DRAWING UL-1 FOR TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM.
- 5. AMPS COLUMN INCLUDES ADDITIONAL AMPERAGE ON PRIMARY SIDE OF BUCK-BOOST TRANSFORMERS.
- 6. SEE IDOT STANDARD DRAWING BE-505c FOR HIGH MAST POLE WIRING DIAGRAM.

EXISTING HIGH MAST LIGHT TOWER 750W HPS LUMINAIRES (TYP.) (BLACK PHASE - SOLID SYMBOLS, RED PHASE - OPEN SYMBOLS)

HIGH MAST TOWER DESIGNATION



PROPOSED HIGH MAST LIGHT TOWER 750W HPS LUMINAIRE (TYP. U.N.O.) (BLACK PHASE - SOLID SYMBOLS, RED PHASE - OPEN SYMBOLS)

-12 120FT 13 130FT

HIGH MAST TOWER DESIGNATION

PROPOSED UNDERPASS LIGHTING UNIT 70W HPS LUMINAIRE (TYP, U.N.O.) (BLACK PHASE - SOLID SYMBOLS, RED PHASE - OPEN SYMBOLS)

LIGHTING CONTROLLER

GROUND FIELD

ELECTRIC UTILITY SERVICE DROP

BUCK-BOOST TRANSFORMER ENCLOSURE

> ≥ ≥ ≥ ≥ ≥

2 ACD11

TYPICAL

| LE NAME = | USER NAME = TKluegel | DESIGNED - | JLW | REVISED - |
|---------------------|----------------------|------------|--------|-----------|
| 60F12-SHT-EW3-1.dgn | | DRAWN - | CJM | REVISED - |
| | PLOT SCALE = 1:200 | CHECKED - | KMY | REVISED - |
| | PLOT DATE = 2/3/2011 | DATE - | 2/4/11 | REVISED - |
| | | | | |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

| I-55 AT ARSENAL ROAD | RTE. |
|--|------------|
| PROPOSED LIGHTING CONTROLLER "A" STAGE 3 SINGLE LINE D | DIAGRAM 55 |
| CALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA. | |