

**CIRCUIT SYMBOL LEGEND**

- REMOVE EXISTING CABLE. INSTALL NEW 1/2" #8 5 KV CABLE IN EXISTING CONDUIT
- REMOVE EXISTING CABLE. DO NOT DAMAGE DURING REMOVAL. REINSTALL CABLE IN EXISTING CONDUIT
- REMOVE EXISTING CABLE
- INSTALL NEW 1/2" #8 5 KV CABLE IN NEW OR EXISTING CONDUIT (SEE SIGNAGE PLANS FOR NEW CONDUIT LOCATIONS)

**NOTES:**

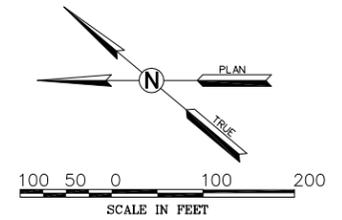
1. NUMBER OF SYMBOLS INDICATES NUMBER OF CABLES TO BE REMOVED AND/OR INSTALLED.
2. NEW CABLE SHALL BE MANUFACTURED WITH COLOR-CODED CABLE ACCORDING TO THE COLOR LEGEND.
3. ODD NUMBERED RUNWAY EDGE LIGHTS AND THRESHOLD LIGHTS ARE POWERED BY REL1, AND EVEN NUMBERED LIGHTS ARE POWERED BY REL2. THE CIRCUITING OF THE RUNWAY LIGHTS SHALL CONTINUE TO USE THIS PATTERN.
4. ALL BOLTS REMOVED FROM IN-PAVEMENT LIGHTS/CANS SHALL BE REPLACED WITH NEW STAINLESS STEEL BOLTS.

**CIRCUIT IDENTIFICATION LEGEND**

- REL1 RUNWAY EDGE LIGHTS #1
- REL2 RUNWAY EDGE LIGHTS #2
- RDR1 RUNWAY DISTANCE REMAINING SIGNS
- PAPI14L PAPI 14L
- PAPI32R PAPI 32R
- TAXKEDG TAXIWAY K EDGE LIGHTS
- TAXKSGN TAXIWAY K SIGNS
- TAXKEDG TAXIWAY G EDGE LIGHTS
- TAXKEDG-SAFB TAXIWAY G EDGE LIGHTS - SCOTT AIR FORCE BASE (POWERED BY SCOTT AIR FORCE BASE ELECTRICAL VAULT)

**CIRCUIT COLOR LEGEND**

- REL1 RED
- REL2 ORANGE
- PAPI14L PURPLE W/ WHITE
- PAPI32R PURPLE
- RDR1 BROWN
- TAXKEDG BLUE
- TAXKSGN YELLOW
- TAXKEDG RED W/ WHITE



| REVISIONS |    |      |
|-----------|----|------|
| NUMBER    | BY | DATE |
|           |    |      |
|           |    |      |
|           |    |      |

0 1 2  
THIS BAR IS EQUAL TO 2'  
AT FULL SCALE (34X22).  
PLOT 1

**MIDAMERICA ST. LOUIS AIRPORT  
ST. CLAIR COUNTY, ILLINOIS**

**AIRFIELD LIGHTING IMPROVEMENTS**

ONE MEMORIAL DRIVE, SUITE 500  
ST. LOUIS, MO 63102  
(314) 436-5500

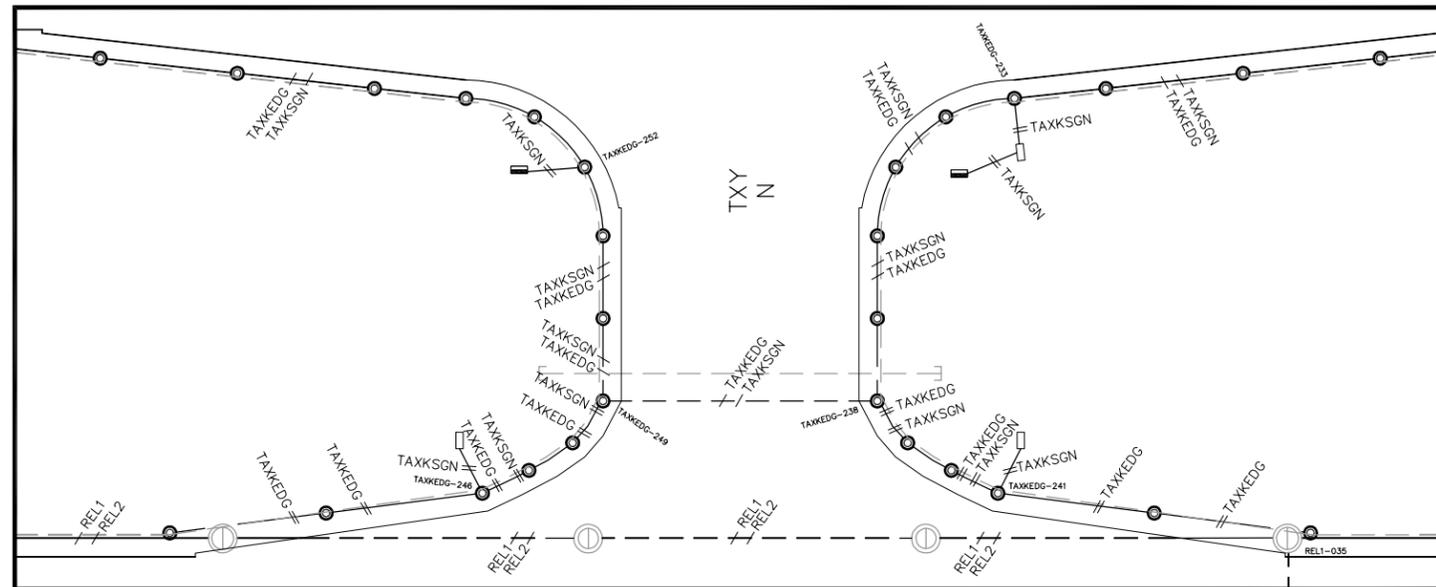
**GMT**  
CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS

© Copyright GMT, Inc.  
PROFESSIONAL ENGINEERING - 184-00613

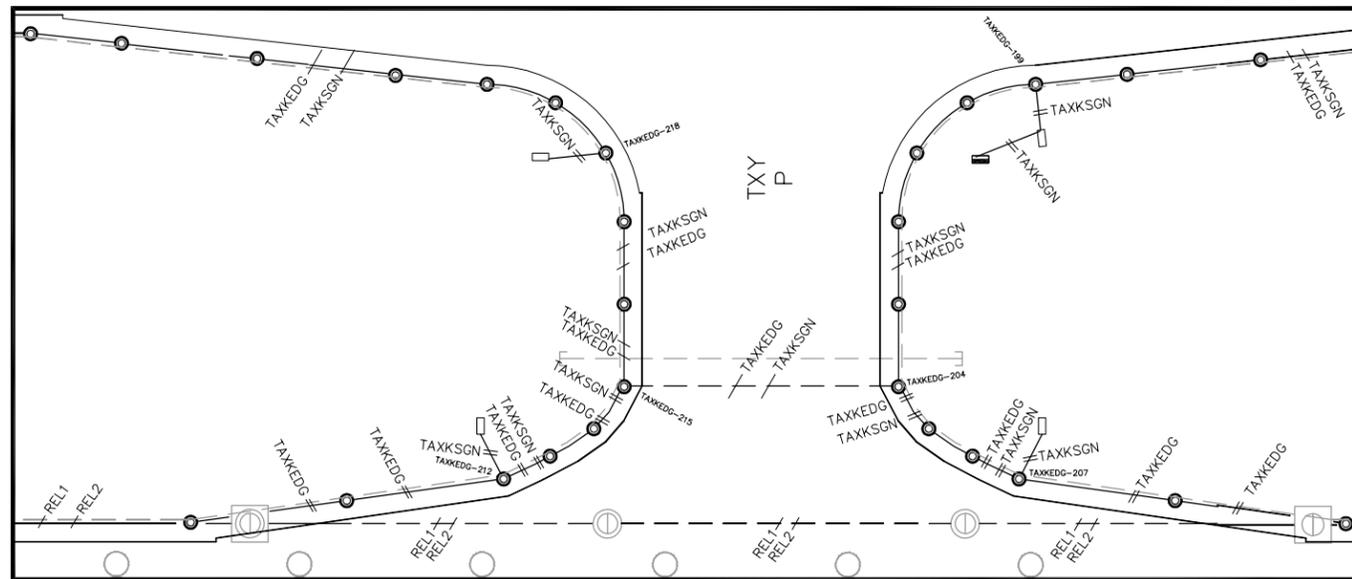
**IL PROJECT, BLV-4405  
AIP PROJECT, 3-17-SBGP-XX**

FILE: 20-23\_CIRCUIT.dwg  
DESIGN BY: ASF  
DRAWN BY: ASF  
CHECKED BY: MJD/CET  
APPROVED BY: BWG  
DATE: JUNE 27, 2014  
JOB No: 13098-02

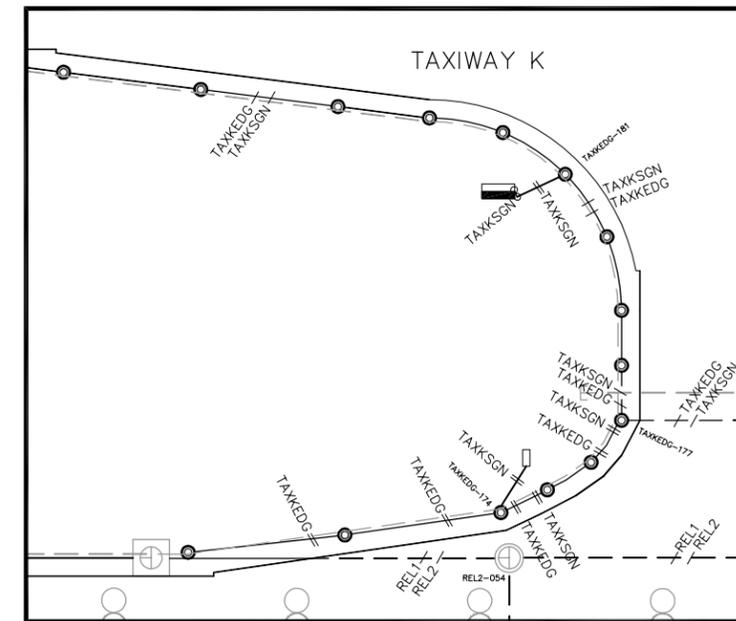
**CIRCUITRY PLAN 7**



DETAIL 5 - TAXIWAY N



DETAIL 6 - TAXIWAY P



DETAIL 7 - TAXIWAY K AT 32R