

**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:**

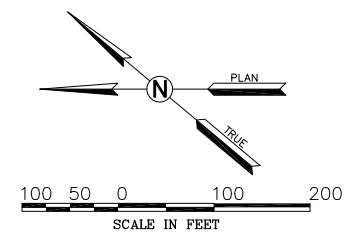
1. NUMBER OF SYMBOLS INDICATES NUMBER OF CABLES TO BE REMOVED AND/OR INSTALLED.
2. NEW CABLE SHALL BE MANUFACTURED WITH COLOR-CODED CABLE ACCORDING TO THE COLOR LEGEND.
3. ODD NUMBERED RUNWAY EDGE LIGHTS AND THRESHOLD LIGHTS ARE POWERED BY REL1, AND EVEN NUMBERED LIGHTS ARE POWERED BY REL2. THE CIRCUITING 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
- TAXGEDG TAXIWAY G EDGE LIGHTS
- TAXGEDG-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
- TAXGEDG RED W/ WHITE



REVISIONS		
NUMBER	BY	DATE
1	ASF	7/11/14

MIDAMERICA ST. LOUIS AIRPORT  
 ST. CLAIR COUNTY, ILLINOIS

AIRFIELD LIGHTING IMPROVEMENTS

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

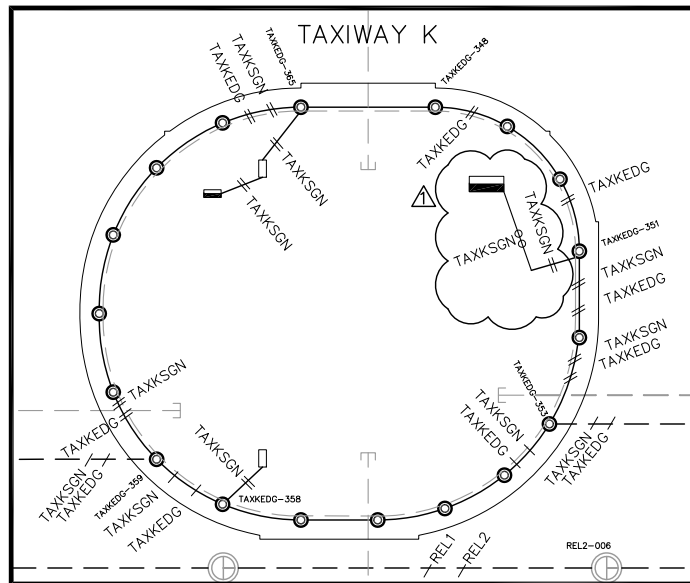
**GMT**  
 CRAWFORD, MURPHY & TILLY, INC.  
 CONSULTING ENGINEERS  
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 PROFESSIONAL ENGINEERING - 184-00613

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

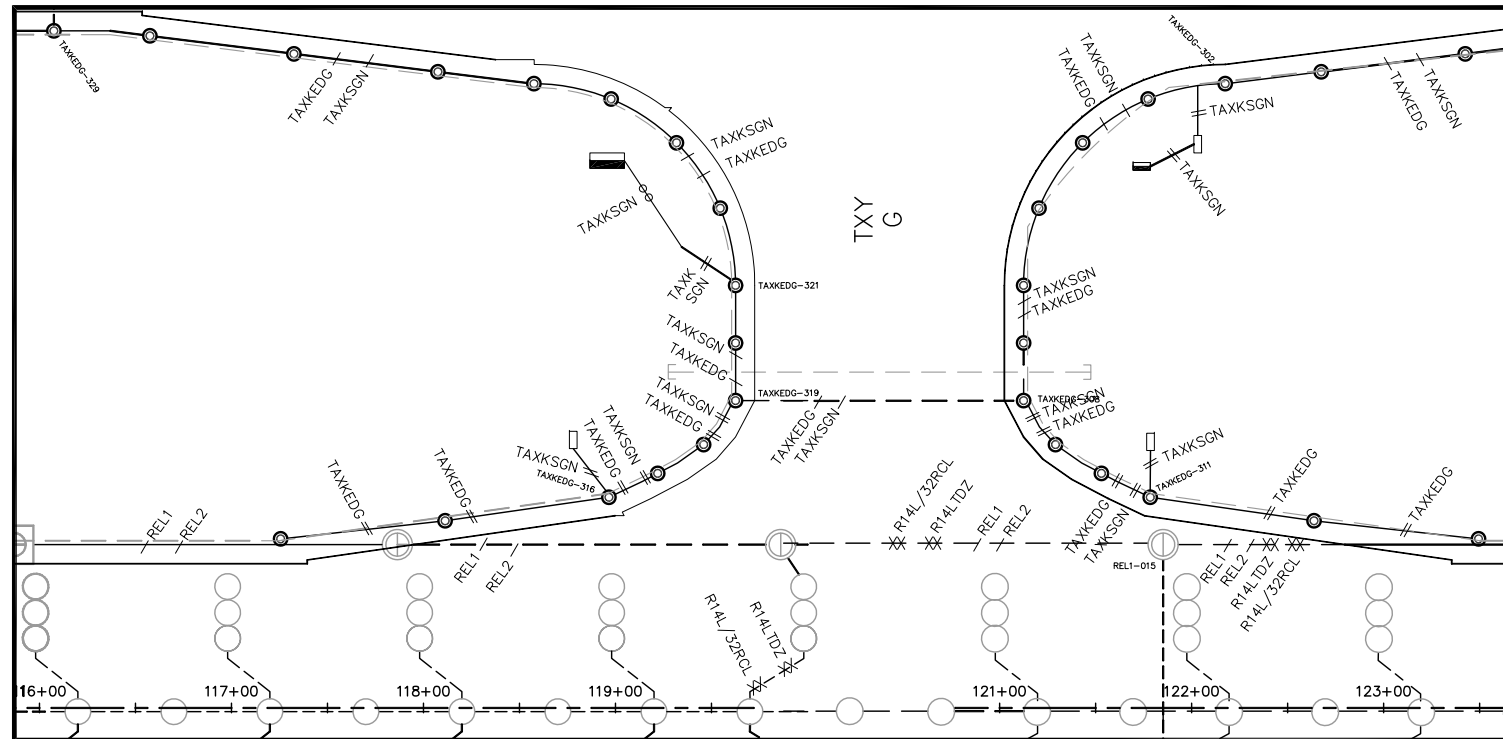
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 CHECKED BY: MJD/CET  
 APPROVED BY: BWG  
 DATE: JUNE 27, 2014  
 JOB No: 13098-02

CIRCUITRY PLAN 6

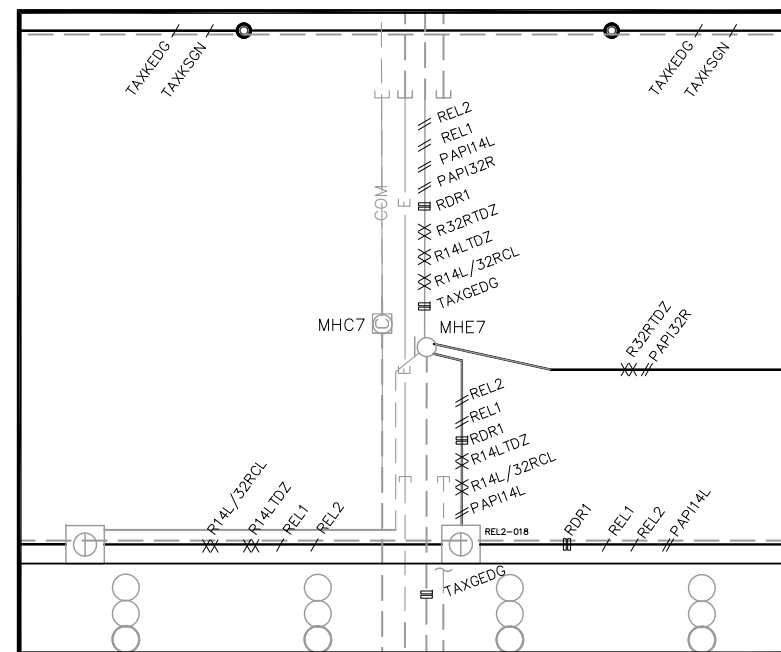
SHEET 28 OF 35 SHEETS



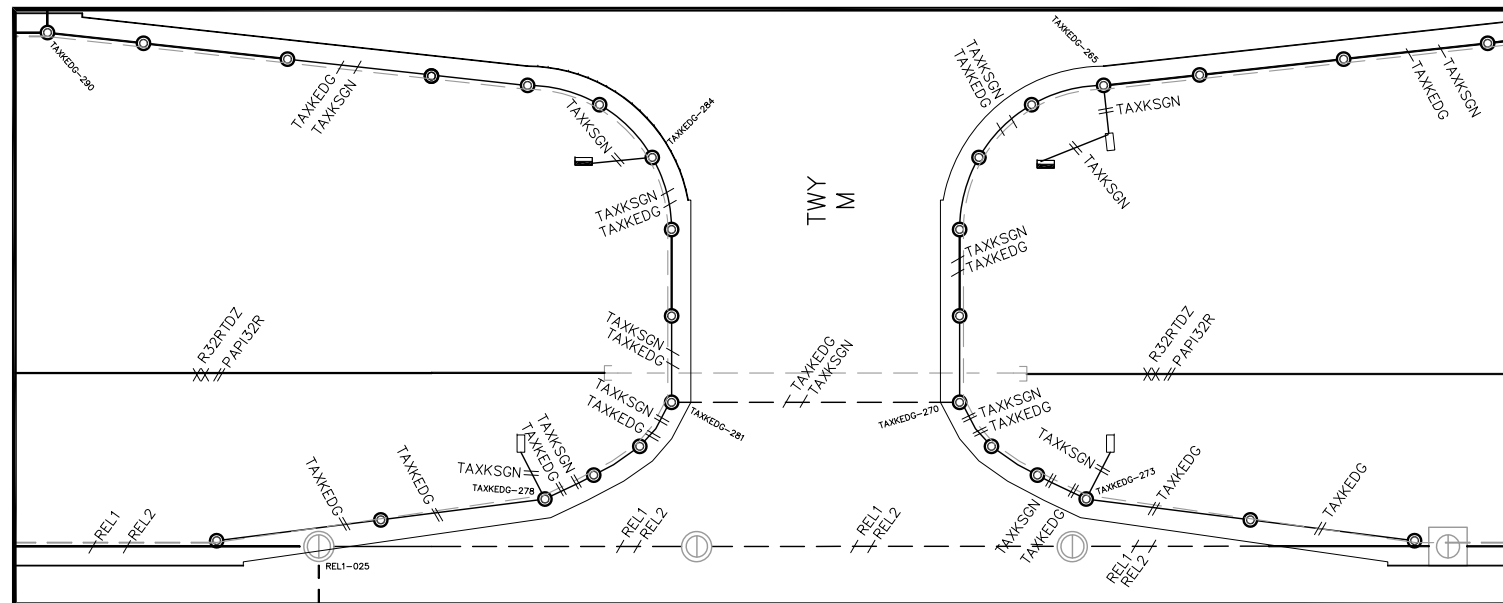
DETAIL 1 - TAXIWAY K AT 14L, TWY L



DETAIL 2 - TAXIWAY G



DETAIL 3 - INFIELD AREA



DETAIL 4 - TAXIWAY M