

**AIRFIELD LIGHTING NOTES**

- ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR/MANAGER. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
- CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS. CONTRACTOR SHALL FIELD VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING OR DISCONNECTING THE RESPECTIVE AIRFIELD LIGHTING, NAVAID, OR OTHER DEVICE.
- THE CONTRACTOR IS ENCOURAGED TO INSPECT EACH EXISTING LIGHT PRIOR TO RELOCATION AND IDENTIFY TO THE RESIDENT PROJECT REPRESENTATIVE/RESIDENT ENGINEER ANY DAMAGED OR INOPERATING PARTS. ONCE THE EXISTING LIGHT IS REMOVED, THE CONTRACTOR IS RESPONSIBLE FOR ALL FIXTURES DAMAGED DURING THE RELOCATION. ALL LIGHTS WILL BE REINSTALLED IN THE PROPER WORKING ORDER, OR REPLACED AT THE CONTRACTOR'S EXPENSE. ALL EXISTING TAXIWAY LIGHTS THAT ARE DESIGNATED FOR RELOCATION SHALL BE DISCONNECTED AND CAREFULLY REMOVED BY THE CONTRACTOR AS NOT TO DAMAGE THE LIGHT. THE LIGHT ASSEMBLY AND ISOLATION TRANSFORMER SHALL BE RELOCATED AND INSTALLED IN THE LOCATIONS SHOWN. FURNISH AND INSTALL NEW GROUND RODS WITH RELOCATED LIGHTS.
- PROPOSED TAXIWAY LIGHTS SHALL BE PLACED 12' (FT.) FROM THE PAVEMENT EDGE UNLESS SHOWN OTHERWISE ON THESE CONSTRUCTION DRAWINGS. PROPOSED TAXI GUIDANCE SIGNS SHALL BE LOCATED SUCH THAT THE CLOSEST SIDE OF THE SIGN IS 15' FROM THE PAVEMENT EDGE, UNLESS SHOWN OTHERWISE.
- PROPOSED TAXIWAY LIGHTS, GUIDANCE SIGNS, OTHER AIRFIELD LIGHTING, SPLICE CANS, HANDHOLES, MANHOLES, ELECTRICAL DUCTS, AND CABLE SHALL BE INSTALLED AT THE LOCATIONS SHOWN AND IN COMPLIANCE WITH THE SPECIFICATIONS, SPECIAL PROVISIONS, RESPECTIVE DETAILS, AND MANUFACTURER'S RECOMMENDATIONS.
- PROPOSED CABLE FOR TAXIWAY LIGHTING SHALL BE INSTALLED APPROXIMATELY 10' FROM THE PAVEMENT EDGE. CABLES SHALL BE PLACED A MINIMUM OF 18" BELOW FINISHED GRADE.
- THE PROPOSED TAXIWAY LIGHTING CABLE SHALL BE 1/C, #8 AWG, FAA L-824, 5000 VOLT, TYPE C UNDERGROUND CABLE IN UNIT DUCT.
- IN AREAS WHERE THERE IS A CONGESTION OF CABLES OR WHERE THE PROPOSED CABLE CROSSES AN EXISTING CABLE, THE CONTRACTOR IS REQUIRED TO HAND DIG THE TRENCH NECESSARY FOR THE PROPOSED CABLE. AT OTHER LOCATIONS, THE PROPOSED CABLE MAY BE TRENCHED OR PLOWED INTO PLACE. HAND DIGGING, TRENCHING AND/OR PLOWING WILL BE CONSIDERED INCIDENTAL TO THE PROPOSED CABLES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL TAXIWAY LIGHTS SHALL BE TAGGED BY THE CONTRACTOR IN ACCORDANCE WITH THE LIGHT NUMBERS SHOWN ON THESE CONSTRUCTION DRAWINGS. NEW TAGS FOR THE PROPOSED LIGHTS AND EXISTING LIGHTS SHALL BE INCIDENTAL TO THE AIRFIELD LIGHTING WORK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- SEE "TAXI GUIDANCE SIGN SCHEDULE" FOR INFO ON SIGN LEGENDS.
- THE CONTRACTOR SHALL SECURE, IDENTIFY AND PLACE ALL TEMPORARY EXPOSED WIRING IN CONDUIT, DUCT OR UNIT DUCT TO PREVENT ELECTROCUTION AND FIRE IGNITION SOURCES AS PER THE REQUIREMENTS OF FAA AC 150/5370-2F, PART 218, PARAGRAPH C. ALL LABOR, MATERIALS, AND TIME NECESSARY TO COMPLY WITH THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- HOMERUN CABLES FOR A RESPECTIVE CIRCUIT THAT ARE INSTALLED IN CONDUIT OR DUCT SHALL BE RUN TOGETHER IN THE SAME RACEWAY OR DUCT.
- EXISTING AIRFIELD LIGHTING CABLES (SCHEDULED FOR REPLACEMENT) IN AREAS OF NEW WORK SHALL BE DISCONNECTED & REMOVED WHERE IN CONFLICT WITH NEW CONSTRUCTION. IN OTHER AREAS CABLES MAY BE ABANDONED IN PLACE.
- THE CONTRACTOR IS REQUIRED TO FILL IN ALL HOLES AND DEPRESSIONS RESULTING FROM THE NEW WORK, WITH EARTH MATERIAL. THE AREAS SHALL BE COMPACTED TO PREVENT FUTURE SETTLEMENT AND FERTILIZED, SEEDED, AND MULCHED IN ACCORDANCE WITH ITEMS 901 AND 908 RESPECTIVELY.
- IN THE EVENT THAT OTHER CONSTRUCTION PROJECTS ARE IN PROGRESS AT THE AIRPORT AT THE SAME TIME AS THIS PROJECT, THE CONTRACTOR WILL BE REQUIRED TO COOPERATE WITH ALL OTHER CONTRACTORS AND THE AIRPORT MANAGER IN THE COORDINATION OF THE WORK.
- NO CONNECTION TO AN ACTIVE LIGHTING CIRCUIT WILL BE BROKEN UNTIL THE CIRCUIT HAS BEEN TURNED OFF IN ACCORDANCE WITH NOTE 1.

MODIFIED TAXI GUIDANCE SIGN SCHEDULE			
SIGN NUMBERS	LOCATION	EXISTING	MODIFIED
BW-TGS70	TAXIWAY B INTERSECTION WITH TAXIWAY C HEADING EAST		
BW-TGS77	TAXIWAY C INTERSECTION WITH RUNWAY 6-24 AT HOLD LINE		
BW-TGS79	TAXIWAY B INTERSECTION WITH TAXIWAY C HEADING WEST		

REPLACE EXISTING PANEL WITH BLANK - BLACK BACKGROUND PANEL.

**TAXI GUIDANCE SIGN REPLACEMENT PANEL NOTES**

- THE EXISTING TAXI GUIDANCE SIGNS BW-TGS70, BW-TGS77, AND BW-TGS79 ARE MANUFACTURED BY STANDARD SIGNS-LUMACURVE. TO MAINTAIN THE FAA APPROVAL OF THESE RESPECTIVE SIGNS THE REPLACEMENT PANELS SHALL BE FURNISHED BY THE ORIGINAL EQUIPMENT MANUFACTURER; STANDARD SIGNS-LUMACURVE. SIGN PANELS THAT VOID THE ETL-INTERTEK LISTING (FAA APPROVAL) WILL NOT BE ACCEPTABLE.
- THE EXISTING SIGN PANELS FOR SIGNS BW-TGS70, BW-TGS77 AND BW-TGS79 ARE SIZE 1 (18 INCH PANEL WITH A 12 INCH LEGEND). CONTRACTOR SHALL FIELD VERIFY EXISTING SIGNS TO DETERMINE SIZE AND LEGENDS FOR REPLACEMENT PANELS.
- ALL WORK ASSOCIATED WITH FIELD VERIFYING, ORDERING, DELIVERING, REMOVING EXISTING PANELS, FURNISHING & INSTALLING THE NEW PANELS, AND ASSOCIATED COORDINATION & INCIDENTALS WILL BE CONSIDERED AS PART OF THIS ITEM OF WORK AND WILL BE PAID FOR UNDER ITEM AR125470 MODIFY EXISTING SIGN PANEL PER EACH.

NEW TAXI GUIDANCE SIGN SCHEDULE			
SIGN NUMBERS	LOCATION	SIDE A	SIDE B
BW-TGS69	TAXIWAY D APPROACHING TAXIWAY C		
C-TGS68	TAXIWAY C NORTH OF INTERSECTION WITH TAXIWAY D		

- TYPE L-858L LOCATION SIGN - YELLOW LEGEND AND BORDER ON A BLACK BACKGROUND
- TYPE L-858Y DIRECTION, DESTINATION, AND BOUNDARY SIGN - BLACK LEGEND ON A YELLOW BACKGROUND
- BLANK - BLACK BACKGROUND

**TAXI GUIDANCE SIGN NOTES**

- THE PROPOSED TAXI GUIDANCE SIGNS SHALL CONFORM TO ADVISORY CIRCULAR 150/5345 44J (OR LATEST ISSUE IN FORCE) AND BE FAA-APPROVED FOR TYPE L-858Y OR L-858Y(L) DIRECTION, DESTINATION, AND BOUNDARY SIGNS (BLACK LEGEND ON YELLOW BACKGROUND); TYPE L-858R OR L-858R(L) MANDATORY INSTRUCTION SIGN (BLACK OUTLINE ON OUTSIDE EDGE OF WHITE LEGEND ON RED BACKGROUND); AND/OR TYPE L-858L OR L-858L(L) LOCATION SIGN (YELLOW LEGEND AND BORDER ON BLACK BACKGROUND).
- EXISTING SIGNS ON THE AIRFIELD ARE MANUFACTURED BY STANDARD SIGNS-LUMACURVE. THE TWO PROPOSED TAXI SIGNS REPRESENT LESS THAN 5% OF THE OVERALL TAXI SIGNS IN USE ON THE AIRPORT. THEREFORE THE PROPOSED TAXI GUIDANCE SIGNS SHALL BE MANUFACTURED BY STANDARD SIGNS-LUMACURVE. THIS IS SUBJECT TO APPROVAL BY THE ILLINOIS DIVISION OF AERONAUTICS.
- THE SIGNS SHALL BE SIZE 1, 18-IN. SIGN FACE WITH A 12-IN. LEGEND; STYLE 2, POWERED FROM A 4.8 TO 6.6 AMP SERIES LIGHTING CIRCUIT; CLASS 2, FOR OPERATION FROM -40 DEGREES F TO 131 DEGREES F; MODE 2, TO WITHSTAND WIND LOADS OF 200 M.P.H., BASE-MOUNTED, DOUBLE-SIDED, AS SPECIFIED ON THE PLANS.
- THE PROPOSED TAXI GUIDANCE SIGNS SHALL BE LOCATED SUCH THAT THE CLOSEST SIDE OF THE SIGN IS 15' FROM THE PAVEMENT EDGE OR RESPECTIVE RUNWAY SURFACE EDGE.
- ALL PROPOSED TAXI GUIDANCE SIGNS SHALL BE TAGGED BY THE CONTRACTOR IN ACCORDANCE WITH THE SIGN NUMBERS SHOWN ON THESE CONSTRUCTION DRAWINGS.
- THE PROPOSED LIGHTED TAXI GUIDANCE SIGNS WILL BE PAID FOR UNDER THE FOLLOWING ITEMS:  
AR125444 TAXI GUIDANCE SIGN, 4 CHARACTER\_\_\_\_\_ PER EACH.  
AR125443 TAXI GUIDANCE SIGN, 3 CHARACTER\_\_\_\_\_ PER EACH.



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**SOUTHERN ILLINOIS  
AIRPORT**

**MURPHYSBORO /  
CARBONDALE,  
ILLINOIS**

**REMOVE TAXIWAY D**

IDA No: MDH-4304

Contract No:

SBG No: SBG-TBD

NO.	DATE	DESCRIPTION		
		LAY	DWN	REV

ISSUE: MARCH 07, 2014

PROJECT NO: 13A0083D

CAD FILE: C-641-SCHD.DWG

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SHEET TITLE

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