

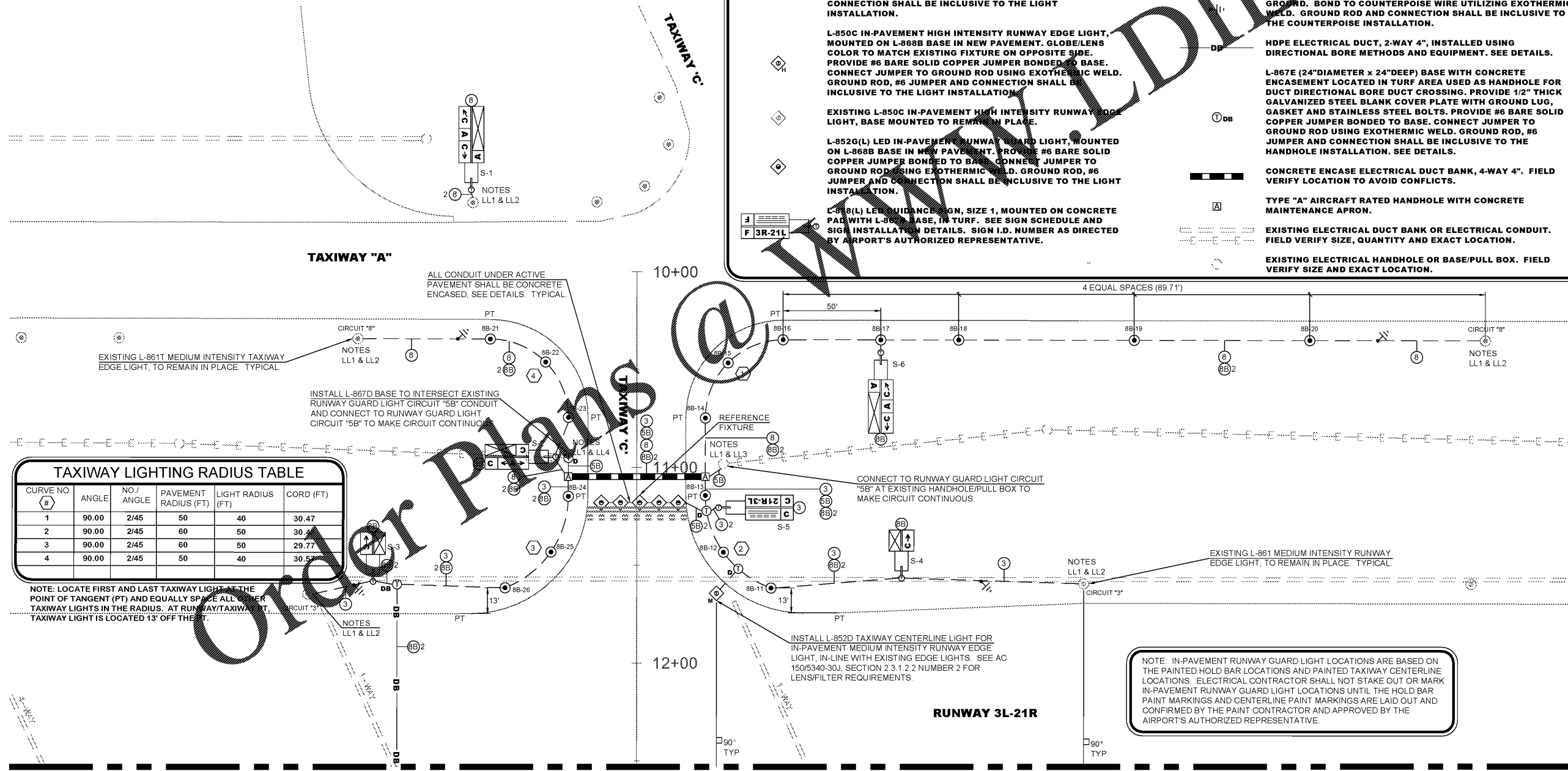
**LIGHTING PLAN GENERAL NOTES**

- GN1. DO NOT SCALE THESE DRAWINGS. DIMENSIONS SHALL BE VERIFIED FROM ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
- GN2. SEE ELEVATED RUNWAY GUARD LIGHT, IN-PAVEMENT RUNWAY GUARD LIGHT, RUNWAY EDGE LIGHT, TAXIWAY EDGE LIGHT AND SIGN INSTALLATION DETAILS FOR LOCATION DISTANCE AWAY FROM PAVEMENT EDGE OR MARKING (TYPICAL).
- GN3. CONTRACTOR SHALL DETERMINE EXACT LOCATION FOR LIGHTS SPACING BETWEEN UNITS BY MEASURING START AND END POINTS INDICATED AND EQUALLY SPACING BETWEEN. DO NOT SCALE DRAWING AND DO NOT SPACE USING DIMENSIONS SHOWN UNLESS START AND ENDING POINT IS FIELD MEASURED AND VERIFIED TO BE CORRECT. CONTRACTOR SHALL STAKE OUT LOCATION OF LIGHTS AND SIGNS FOR PROJECT ENGINEER'S REVIEW PRIOR TO INSTALLATION.
- GN4. EXISTING LIGHTING SYSTEMS NOT WITHIN THE PROJECT LIMITS MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE PERMITTED TO USE EXISTING LIGHTS AND CABLES AS NECESSARY TO MAINTAIN OPERATION OF CIRCUITS. SEE SPECIFICATION ITEM L-125 "TEMPORARY LIGHTS AND CABLE" UNDER SECTION 125-3.1.

SEE DRAWING NUMBER LLP-3 FOR LIGHTING LAYOUT PLAN KEY NOTES.

**LIGHTING LAYOUT PLAN SYMBOLS**

- GN1. L-861T QUARTZ MEDIUM INTENSITY TAXIWAY EDGE LIGHT WITH BLUE GLOBE, MOUNTED ON L-867B BASE IN TURF. PROVIDE #6 BARE SOLID COPPER JUMPER BONDED TO BASE. CONNECT JUMPER TO GROUND ROD USING EXOTHERMIC WELD. GROUND ROD, #6 JUMPER AND CONNECTION SHALL BE INCLUSIVE TO THE LIGHT INSTALLATION.
  - EXISTING L-861T MEDIUM INTENSITY TAXIWAY EDGE LIGHT WITH BLUE GLOBE, BASE MOUNTED IN TURF TO REMAIN IN PLACE.
  - L-861 MEDIUM INTENSITY RUNWAY EDGE LIGHT, MOUNTED ON L-867B BASE IN TURF. GLOBE/LENS COLOR TO MATCH EXISTING FIXTURE ON OPPOSITE SIDE. PROVIDE #6 BARE SOLID COPPER JUMPER BONDED TO BASE. CONNECT JUMPER TO GROUND ROD USING EXOTHERMIC WELD. GROUND ROD, #6 JUMPER AND CONNECTION SHALL BE INCLUSIVE TO THE LIGHT INSTALLATION.
  - L-852D IN-PAVEMENT TAXIWAY CENTERLINE LIGHT USED AS IN-PAVEMENT MEDIUM INTENSITY RUNWAY EDGE LIGHT, MOUNTED ON L-868B BASE IN NEW PAVEMENT. GLOBE/LENS COLOR TO MATCH EXISTING FIXTURE ON OPPOSITE SIDE. PROVIDE #6 BARE SOLID COPPER JUMPER BONDED TO BASE. CONNECT JUMPER TO GROUND ROD USING EXOTHERMIC WELD. GROUND ROD, #6 JUMPER AND CONNECTION SHALL BE INCLUSIVE TO THE LIGHT INSTALLATION.
  - EXISTING RUNWAY EDGE LIGHT (L-861 OR L-862), BASE MOUNTED IN TURF TO REMAIN IN PLACE.
  - L-862 HIGH INTENSITY RUNWAY EDGE LIGHT, MOUNTED ON L-867B BASE IN TURF. GLOBE/LENS COLOR TO MATCH EXISTING FIXTURE ON OPPOSITE SIDE. PROVIDE #6 BARE SOLID COPPER JUMPER BONDED TO BASE. CONNECT JUMPER TO GROUND ROD USING EXOTHERMIC WELD. GROUND ROD, #6 JUMPER AND CONNECTION SHALL BE INCLUSIVE TO THE LIGHT INSTALLATION.
  - L-850C IN-PAVEMENT HIGH INTENSITY RUNWAY EDGE LIGHT, MOUNTED ON L-868B BASE IN NEW PAVEMENT. GLOBE/LENS COLOR TO MATCH EXISTING FIXTURE ON OPPOSITE SIDE. PROVIDE #6 BARE SOLID COPPER JUMPER BONDED TO BASE. CONNECT JUMPER TO GROUND ROD USING EXOTHERMIC WELD. GROUND ROD, #6 JUMPER AND CONNECTION SHALL BE INCLUSIVE TO THE LIGHT INSTALLATION.
  - EXISTING L-850C IN-PAVEMENT HIGH INTENSITY RUNWAY EDGE LIGHT, BASE MOUNTED TO REMAIN IN PLACE.
  - L-852G(L) LED IN-PAVEMENT RUNWAY GUARD LIGHT, MOUNTED ON L-868B BASE IN NEW PAVEMENT. PROVIDE #6 BARE SOLID COPPER JUMPER BONDED TO BASE. CONNECT JUMPER TO GROUND ROD USING EXOTHERMIC WELD. GROUND ROD, #6 JUMPER AND CONNECTION SHALL BE INCLUSIVE TO THE LIGHT INSTALLATION.
  - L-858(L) LED GUIDANCE SIGN, SIZE 1, MOUNTED ON CONCRETE PAD WITH L-867B BASE, IN TURF. SEE SIGN SCHEDULE AND SIGN INSTALLATION DETAILS. SIGN I.D. NUMBER AS DIRECTED BY AIRPORT'S AUTHORIZED REPRESENTATIVE.
- ## LIGHT I.D. TAG. FIRST NUMBER INDICATES THE CIRCUIT. SECOND NUMBER INDICATES THE INDIVIDUAL IDENTIFICATION NUMBER. EXACT LABELING SHALL BE AS DIRECTED BY THE AIRPORT'S AUTHORIZED REPRESENTATIVE.
- PT PT INDICATES THE POINT OF TANGENT OF A CURVE. THE POINT IS TO BE FIELD LOCATED FOR PLACEMENT OF LIGHT FIXTURE.
- IP IP INDICATED THE INTERSECTION POINT OF A LINE SEGMENT. THE POINT IS TO BE FIELD LOCATED FOR PLACEMENT OF LIGHT FIXTURE.
- L-867D (16"DIAMETER x 24"DEEP) BASE WITH CONCRETE ENCASUREMENT LOCATED IN TURF AREA USED AS HANDHOLE/PULL BOX. PROVIDE 3/8" THICK GALVANIZED STEEL BLANK COVER PLATE WITH GROUND LUG, GASKET AND STAINLESS STEEL BOLTS. PROVIDE #6 BARE SOLID COPPER JUMPER BONDED TO BASE. CONNECT JUMPER TO GROUND ROD USING EXOTHERMIC WELD. GROUND ROD, #6 JUMPER AND CONNECTION SHALL BE INCLUSIVE TO THE HANDHOLE/PULL BOX INSTALLATION.
- 1/C #8, 5KV, L-824C CABLE IN A 2" SCHEDULE 40 PVC CONDUIT ROUTED UNDERGROUND IN TURF. SEE SYMBOL BELOW FOR NUMBER OF CONDUCTORS REQUIRED. 1 - 1/C #8 BARE SOLID COPPER COUNTERPOISE INSTALLED ABOVE CONDUIT.
- NUMBER IN CIRCLE IDENTIFIES CIRCUIT. CIRCUIT 1 = RUNWAY 3R-21L LIGHTING, CIRCUIT 3 = RUNWAY 3L-21R, CIRCUIT 4 = RUNWAY 16-30L CUT, CIRCUIT 5A = NORTH GUARD CIRCUIT, CIRCUIT 5B = SOUTH GUARD CIRCUIT, CIRCUIT 8 = TAXIWAY "A" CIRCUIT, CIRCUIT 10 = NEW TAXIWAY "C/F/N" CIRCUIT. NUMERICAL OUTSIDE CIRCLE DENOTES THE NUMBER OF 1/C #8 5KV, L-824C CABLES WHERE MORE THAN ONE (1) CABLE IS REQUIRED.
- GROUND ROD, COPPER CLAD, 3/4" X 10' USED FOR COUNTERPOISE GROUND. BOND TO COUNTERPOISE WIRE UTILIZING EXOTHERMIC WELD. GROUND ROD AND CONNECTION SHALL BE INCLUSIVE TO THE COUNTERPOISE INSTALLATION.
- HDPE ELECTRICAL DUCT, 2-WAY 4", INSTALLED USING DIRECTIONAL BORE METHODS AND EQUIPMENT. SEE DETAILS.
- L-867E (24"DIAMETER x 24"DEEP) BASE WITH CONCRETE ENCASUREMENT LOCATED IN TURF AREA USED AS HANDHOLE FOR DUCT DIRECTIONAL BORE DUCT CROSSING. PROVIDE 1/2" THICK GALVANIZED STEEL BLANK COVER PLATE WITH GROUND LUG, GASKET AND STAINLESS STEEL BOLTS. PROVIDE #6 BARE SOLID COPPER JUMPER BONDED TO BASE. CONNECT JUMPER TO GROUND ROD USING EXOTHERMIC WELD. GROUND ROD, #6 JUMPER AND CONNECTION SHALL BE INCLUSIVE TO THE HANDHOLE INSTALLATION. SEE DETAILS.
- CONCRETE ENCASE ELECTRICAL DUCT BANK, 4-WAY 4". FIELD VERIFY LOCATION TO AVOID CONFLICTS.
- TYPE "A" AIRCRAFT RATED HANDHOLE WITH CONCRETE MAINTENANCE APRON.
- EXISTING ELECTRICAL DUCT BANK OR ELECTRICAL CONDUIT. FIELD VERIFY SIZE, QUANTITY AND EXACT LOCATION.
- EXISTING ELECTRICAL HANDHOLE OR BASE/PULL BOX. FIELD VERIFY SIZE AND EXACT LOCATION.



**TAXIWAY LIGHTING RADIUS TABLE**

CURVE NO. (#)	ANGLE	NO./ ANGLE	PAVEMENT RADIUS (FT)	LIGHT RADIUS (FT)	CORD (FT)
1	90.00	2/45	50	40	30.47
2	90.00	2/45	60	50	30.47
3	90.00	2/45	60	50	29.77
4	90.00	2/45	50	40	30.53

NOTE: LOCATE FIRST AND LAST TAXIWAY LIGHTS AT THE POINT OF TANGENT (PT) AND EQUALLY SPACE ALL OTHER TAXIWAY LIGHTS IN THE RADIUS. AT RUNWAY/TAXIWAY JUNCTION, TAXIWAY LIGHT IS LOCATED 13' OFF THE PT.

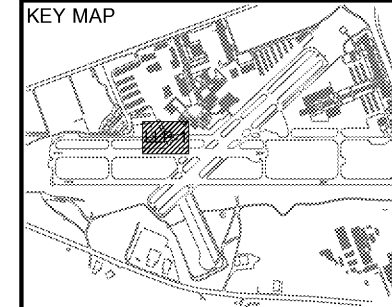
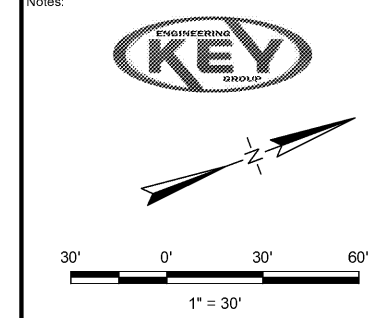
NOTE: IN-PAVEMENT RUNWAY GUARD LIGHT LOCATIONS ARE BASED ON THE PAINTED HOLD BAR LOCATIONS AND PAINTED TAXIWAY CENTERLINE LOCATIONS. ELECTRICAL CONTRACTOR SHALL NOT STAKE OUT OR MARK IN-PAVEMENT RUNWAY GUARD LIGHT LOCATIONS UNTIL THE HOLD BAR PAINT MARKINGS AND CENTERLINE PAINT MARKINGS ARE LAID OUT AND CONFIRMED BY THE PAINT CONTRACTOR AND APPROVED BY THE AIRPORT'S AUTHORIZED REPRESENTATIVE.



**DEKALB PEACHTREE AIRPORT**  
DEKALB COUNTY, GEORGIA

**Michael Baker INTERNATIONAL**

Designer: **GHL**  
 Technician: **GHL/RES**  
 Checked by: **GHL**  
 Project Number: **174297**



**REVISIONS**

No.	Description	Date	By

Project Name: **RUNWAY INCURSION MITIGATION IMPROVEMENTS (PDK 11)**

Drawing Name: **LIGHTING LAYOUT PLAN NO. 1**

ITB# 20-101257  
 Date: **FEBRUARY, 2020** Sheet Number: **51** of **72**  
 Scale: **1" = 30'** Drawing Number: **LLP-1**

MATCHLINE - SEE LIGHTING LAYOUT PLAN NO. 2