



# Illinois Department of Transportation

Office of Intermodal Project Implementation / Division of Aeronautics  
1 Langhorne Bond Drive / Springfield, Illinois 62707-8415

March 4, 2022

SUBJECT: Schaumburg Regional Airport  
Schaumburg, Illinois  
Cook & DuPage County  
Illinois Project Number: 06C-4837  
SBG Project Number: 3-17-SBGP-139/144/156/162  
Contract No. SH030  
Item No. 02A, March 11, 2022 Letting  
Addendum A

## NOTICE TO PROSPECTIVE BIDDERS

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

Reason for Addendum:

L-849V(L) REILs modified to include both Style C and E as allowable options.

To All Plan Holders:

L-849V(L) REILs modified to include both Style C and E as allowable options.

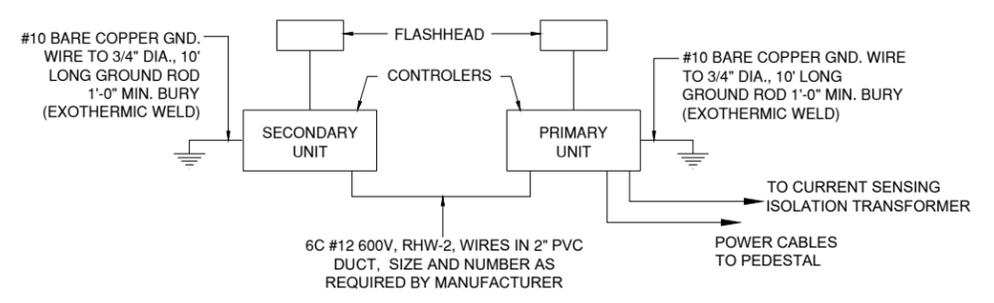
Plan Changes:

Revised Sheet 15 Electrical Details 3 – Revised REIL detail.

Prime contractors must utilize the enclosed material when preparing their bid and must include any changes to the Schedule of Prices in their bid.

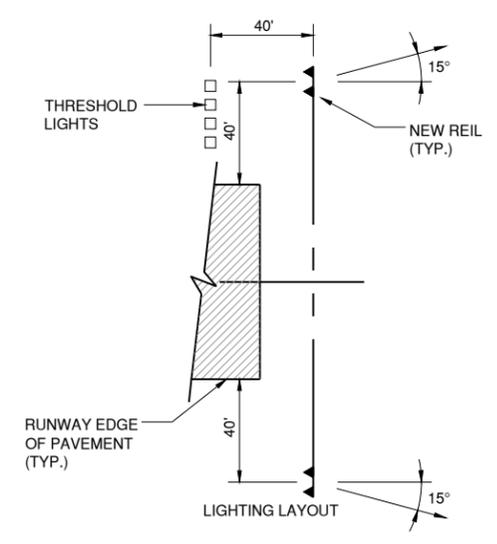
Questions on this addendum may be directed to Doug Klonowski of CMT at 630.820.1022.

DATE: Thursday, March 3, 2022 4:36:10 PM  
 FILE: K:\Schaumburg\20220602-00\_AirfieldLighting\Draw\Sheets\20220602 - Electrical Details - 1.dwg  
 UPDATE BY: Jim Chese  
 LAYOUT: Electrical Details - Sheet 3  
 IMAGE FILES: Schauburg Village seal.tif  
 BMAP/DWG: 0MPT/0MPT

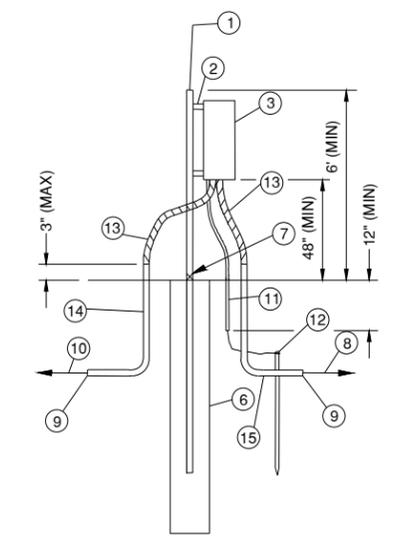


**RUNWAY END IDENTIFIER LIGHTING  
WIRING & CONTROLS**  
N.T.S.

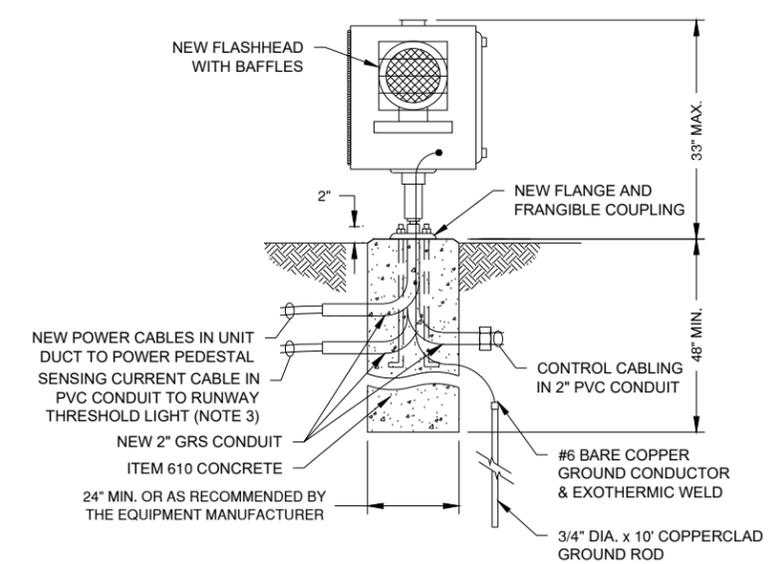
- NOTES**
1. THE REILS SHALL BE REPLACED WITH L-849V TYPE C REILS AS NOTED IN THE PROJECT MANUAL AND PLANS. FOUNDATIONS, CONDUIT, NEW CABLE SHALL BE PROVIDED BETWEEN THE RUNWAY EDGE LIGHT CIRCUIT (CURRENT SENSING), AND THE PRIMARY TO SECONDARY REILS SERVING BOTH RUNWAYS. CONTROL CABLING AND PVC CONDUIT SHALL BE INCIDENTAL TO THE SYSTEM REPLACEMENT. THE CONTRACTOR SHALL VERIFY SYSTEM ALIGNMENT IN THE PRESENCE OF THE ENGINEER.
  2. ALL SALVAGED REIL COMPONENTS SHALL BE BOXED AND RETURNED TO THE AIRPORT.



**PROPOSED REIL DETAIL**  
N.T.S.



**PROPOSED L-849V REIL POWER PEDESTAL DETAIL**  
N.T.S.



**TYPICAL L-849V, STYLE C OR E REIL**  
N.T.S.

- NOTES**
1. THE BEAM CENTERLINE OF EACH FLASH HEAD UNIT SHALL BE AIMED 15 DEGREES OUTWARD FROM A LINE PARALLEL TO THE RUNWAY CENTERLINE AND INCLINED AT AN ANGLE OF 10 DEGREES ABOVE THE HORIZONTAL.
  2. SYSTEM ALIGNMENT SHALL BE VERIFIED BY THE CONTRACTOR IN THE PRESENCE OF THE ENGINEER.
  3. INSTALL CURRENT SENSOR IN NEW SPLICE CAN. INSTALL CONTROL CABLES FROM NEW SPLICE CAN TO REIL PRIMARY UNIT AS REQUIRED BY REIL MANUFACTURER.
  4. BOTH REIL UNITS MUST BE AT THE SAME ELEVATION AND WITHIN 3' OF THE HORIZONTAL PLANE THROUGH THE RUNWAY CENTERLINE.

**REIL POWER PEDESTAL LEGEND**

- ① 2" GALVANIZED STEEL SUPPORT POST WITH END CAPS (TYP. OF 2).
- ② STRUT-TYPE SUPPORT, UNISTRUT 2000, OR EQUIVALENT (TYP. OF 4).
- ③ HEAVY-DUTY 30A, 600V UNFUSED DISCONNECT IN NEMA 3R ENCLOSURE. PROVIDE GROUND LUGS. PROVIDE LABEL READING: "CAUTION: 240 VOLTS".
- ④ NOT USED.
- ⑤ NOT USED.
- ⑥ 12" DIAMETER x 4'-0" DEEP (MIN.) CONCRETE FOUNDATION. (TYP. OF TWO).
- ⑦ FRANGIBLE COUPLINGS (TYP. OF 2).
- ⑧ 240V POWER FROM VAULT: REIL 11 : 2-1/C #6 XLP-USE, 1#10 GND IN 1" UNIT DUCT, REIL 29: 2-1/C #4 XLP-USE, 1#10 GND. IN 1" UNIT DUCT
- ⑨ GRS TO UNIT DUCT COUPLING.
- ⑩ TWO #10-THWN (REIL LIGHTS 240V POWER), ONE #10 GROUND IN 2" CONDUIT TO REIL.
- ⑪ #8 GROUND WIRE IN 1/2" PVC CONDUIT TO GROUND ROD.
- ⑫ 3/4" DIAMETER x 10' LONG COPPERCLAD GROUND ROD. MIN. BURIAL: 1'-0". BOND GROUND WIRES TO GROUND ROD USING EXOTHERMIC WELD, CADWELD, OR EQUIVALENT. CLAMPED CONNECTIONS SHALL NOT BE ACCEPTABLE.
- ⑬ LIQUID TIGHT FLEXIBLE CONDUIT. FLEXIBLE CONDUIT SHALL BE INSTALLED NO GREATER THAN 3" ABOVE GROUNDLINE
- ⑭ 2" GRS CONDUIT TO 2'-6" BELOW GRADE.
- ⑮ 1-1/2" GRS CONDUIT TO 2'-6" BELOW GRADE.

I.L. CONTRACT: <b>SH030</b> I.L. LETTING ITEM: <b>02A</b> I.L. PROJECT: <b>06C-4837</b> S.B.G. PROJECT: 3-17-SBGP-139/144/156/162														
<b>REVISIONS</b>														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NUMBER</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td align="center">DJK</td> <td align="center">3/3/22</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NUMBER	BY	DATE	1	DJK	3/3/22								
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1	DJK	3/3/22												
<b>SCHAUMBURG REGIONAL AIRPORT SCHAUMBURG, ILLINOIS</b> <b>AIRFIELD LIGHTING REHABILITATION: MIRLS, PAPIs, REILs</b>														
<b>ELECTRICAL DETAILS - 3</b>														
DESIGN BY: LN	DRAWN BY: JRO													
CHECKED BY: AB	APPROVED BY: DJK													
DATE: 1/14/2022	JOB No: 200256-02													
<b>FINAL</b>														
SHEET 15 OF 16 SHEETS														