



# Illinois Department of Transportation

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

July 23, 2021

SUBJECT: Lansing Municipal Airport  
Lansing, Illinois  
Cook County  
Illinois Project Number: IGQ-4821  
SBG Project Number: 3-17-SBGP-156/TBD  
Contract No. LA044  
Item No. 06A, July 30, 2021  
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:

Construction plan and special provision revisions issued as Addendum A.

### To All Plan Holders:

### Plan Changes:

1. Replace Existing Plan Sheet 18 with Revised Plan Sheet 18
  - Added Note 15
2. Replace Existing Plan Sheet 21 with Revised Plan Sheet 21
  - Revised detail TURF AREA CABLE TRENCH DETAIL. High and low voltage cabling in common trench allowed. Twelve inch separation between high and low voltage cabling.
3. Replace Existing Plan Sheet 22 with Revised Plan Sheet 22
  - Revised detail COUNTERPOISE LCOATION DETAIL. Updated for ground rod spacing and low and high voltage cable spacing in common trench.

### Special Provisions Changes:

1. Remove and Replace **Paragraph 125-3.6 RETROFIT EXISTING LIGHT AND GUIDANCE SIGN** of the Special Provisions with the following:

Contractor shall install a new isolation transformer and new  $\frac{3}{4}$ " dia x 10'-0" long ground at each existing base/stake mounted light and guidance sign at the locations noted on the plans. Contractor shall install 1/C No. 6 AWG bare copper ground wire connected to the ground lug inside the light base or bolted to the stake and cad-welded the other end to the ground rod. The cad-weld shall be one shot exothermic type or equal. Install new ground lug inside the existing cans if required. Ground rod shall be installed 12" minimum below grade. The ground resistance to the ground shall not exceed 10 ohms for acceptance.

2. Remove and Replace **Paragraph 125-4.1c** of the Special Provisions with the following:

The installation of new isolation transformers, ground rods and ground wire for existing taxiway edge lights and existing taxiway guidance signs to remain in place shall be paid for as "Retrofit Exist Edge Light or Guidance Sign".

Schedule of Prices Changes:

No changes.

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 Antonio Marin of Crawford, Murphy & Tilly, Inc. at 630-907-7041.



CONSULTANTS

FINAL

JUNE 4, 2021

REHABILITATE LIGHTING FOR  
RUNWAY 18-36 AND PARALLEL  
TAXIWAY



OWNER

VILLAGE OF LANSING



Lansing  
Municipal Airport

LANSING MUNICIPAL AIRPORT  
LANSING, ILLINOIS

7/21/21 ADDED NOTE 15

MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-SBGP-156/TBD		
IL PROJ. NO. IGQ-4821		
CMT PROJECT NO: 200297-02-00		
CAD DWG FILE: 19_EL102.DWG		
DESIGNED BY: ARM		
DRAWN BY: JRO		
CHECKED BY: DKP		
APPROVED BY: ARM		
COPYRIGHT:		

SHEET TITLE  
**AIRFIELD LIGHTING  
PLAN - 3**

EL102  
SHEET 18 OF 28

**GENERAL NOTES (ALL SHEETS):**

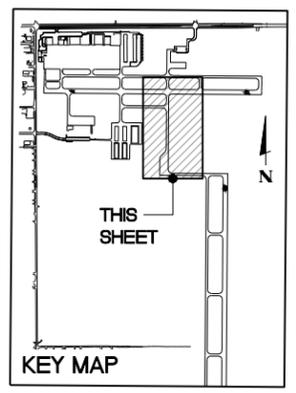
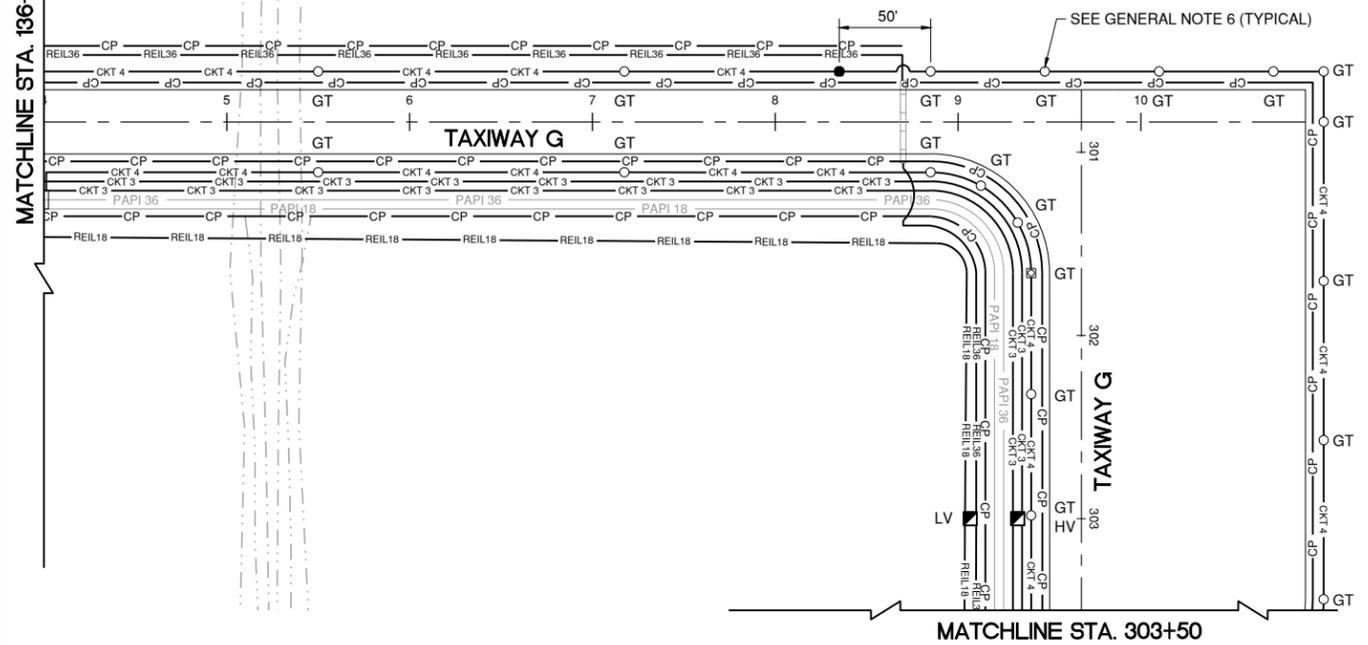
- EXISTING LIGHTS, GUIDANCE SIGNS, AND AIRFIELD CIRCUITS, OTHER THAN THOSE INDICATED FOR REMOVAL, ARE TO BE PROTECTED FROM DAMAGE. CONTRACTOR IS TO REPAIR ALL DAMAGED EQUIPMENT AND CIRCUITS AT CONTRACTOR'S EXPENSE.
- ALL VOIDS FROM LIGHT REMOVALS SHALL BE BACKFILLED IN ACCORDANCE WITH THE SPECIFICATIONS. COST OF BACKFILL SHALL BE INCIDENTAL TO THE ASSOCIATED PAY ITEM.
- ANY TEMPORARY CABLING REQUIRED FOR THIS PROJECT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- FOR CLARITY, UNDERGROUND UTILITIES ARE NOT SHOWN. REFER TO EXISTING CONDITION SHEETS FOR UTILITIES LOCATION. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING EQUIPMENT OR UTILITIES DUE TO CONTRACTOR NEGLIGENCE SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- DIRECTIONAL BORE SHALL EXTEND 5' PAST THE EDGE OF PAVEMENT.
- CONTRACTOR SHALL VERIFY ALL EXISTING LIGHTS ARE STRAIGHT AND BREAK AWAY COUPLINGS ARE WITHIN 3-INCHES OF THE GROUNDLINE. ANY LIGHT ADJUSTMENTS AND GRADING REQUIRED IS INCIDENTAL TO THE LIGHT IMPROVEMENTS.
- ALL EDGE LIGHTS SHALL BE OFFSET 10' FROM THE EDGE OF RUNWAY AND TAXIWAY PAVEMENT.
- CIRCUITS ROUTED THROUGH NEW AND EXISTING CONDUITS SHALL BE CABLE IN UNIT DUCT UNLESS OTHERWISE NOTED.
- COUNTERPOISE WITH GROUND RODS SHALL BE INSTALLED ON ALL NEW ELECTRICAL CABLING UNLESS OTHERWISE NOTED. SEE ELECTRICAL DETAIL SHEETS FOR DETAILS.
- REPLACE EXISTING ISOLATION TRANSFORMER FOR ALL EXISTING AIRFIELD LIGHTS AND SIGNS TO REMAIN. ISOLATION TRANSFORMERS SHALL BE SIZED TO MATCH EXISTING TRANSFORMERS.
- ANY EXISTING CABLE MARKERS THAT ARE DISTURBED SHALL BE REMOVED AND REINSTALLED AT THE SAME LOCATION. COST SHALL BE INCIDENTAL TO CONTRACT.
- AT ANY LOCATION WHERE THE PROPOSED DUCT OR CABLE ROUTE CROSSES AN EXISTING UTILITY, THE CONTRACTOR SHALL HAND DIG AND LOCATE THE EXISTING UTILITY PRIOR TO TRENCHING. COST OF LOCATING ALL EXISTING UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT.
- CONTRACTOR SHALL INSTALL A NEW SAFETY GROUND ROD AND GROUND WIRE FOR ALL EXISTING LIGHTS AND TAXI GUIDANCE SIGNS THAT ARE CURRENTLY WITHOUT THE SAFETY GROUND SYSTEM. THE GROUNDING SYSTEM SHALL BE INSTALLED PER THE AIRFIELD LIGHTING DETAILS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITIONS. COST OF TOPSOILING, GRADING, SEEDING AND MULCHING SHALL BE INCIDENTAL TO THE CONTRACT.
- EXISTING AIRFIELD LIGHTS AND SIGNS TO REMAIN IN PLACE THAT RECEIVE A NEW ISOLATION TRANSFORMER, GROUND ROD AND GROUND WIRE SHALL BE PAID FOR AS ITEM AR800085 RETROFIT EXIST EDGE LIGHT OR GUIDANCE SIGN.

SEE AIRFIELD LIGHTING PLAN - 4  
FOR LEGEND

THE INFORMATION SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION AND THERE IS NO GUARANTEE EITHER EXPRESSED OR IMPLIED THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS.

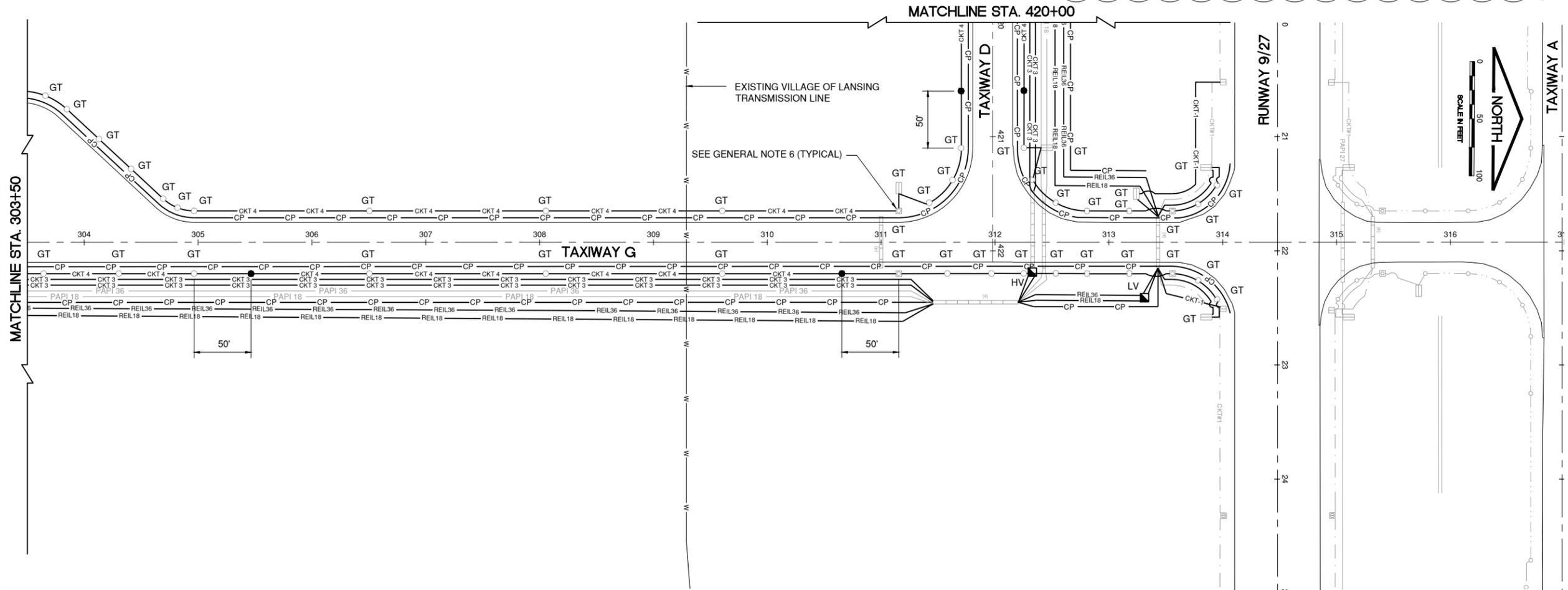


MATCHLINE STA. 136+00



MATCHLINE STA. 303+50

MATCHLINE STA. 303+50



Path: K:\lansing\19\20029702\_Rwy18\_36&TaxiLighting\Draw\Sheets\19\_EL102.dwg  
Date: Friday, July 23, 2021 9:25:01 AM



CONSULTANTS

FINAL

JUNE 4, 2021  
REHABILITATE LIGHTING FOR  
RUNWAY 18-36 AND PARALLEL  
TAXIWAY



VILLAGE OF LANSING



LANSING MUNICIPAL AIRPORT  
LANSING, ILLINOIS

7/21/21 REVISED TURF AREA CABLE TRENCH DETAIL

MARK	DATE	DESCRIPTION

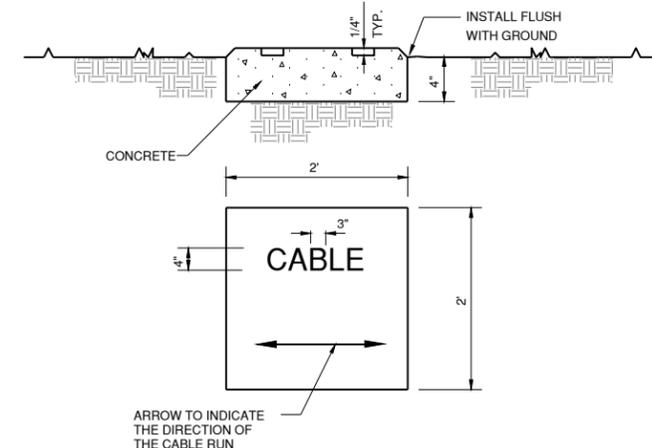
AIP PROJ. NO. 3-17-SBGP-156/TBD  
IL. PROJ. NO. IGQ-4821  
CMT PROJECT NO: 200297-02-00  
CAD DWG FILE: 21\_EL200.DWG  
DESIGNED BY: ARM  
DRAWN BY: JRO  
CHECKED BY: DKP  
APPROVED BY: ARM  
COPYRIGHT:

SHEET TITLE

ELECTRICAL DETAILS

- 1

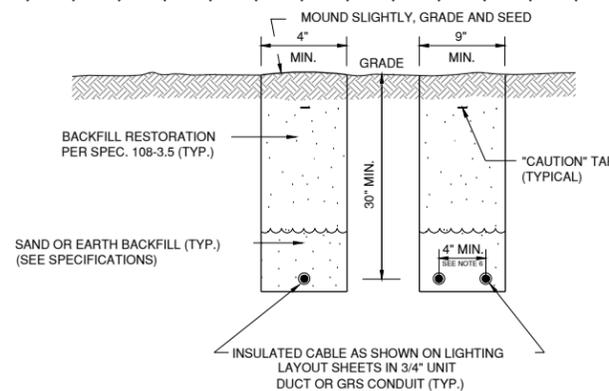
EL200  
SHEET 21 OF 28



TURF CABLE MARKER DETAIL  
NO SCALE

NOTES

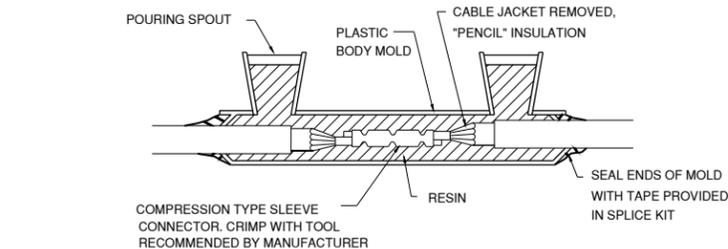
- 1.) CABLE MARKERS SHALL BE INSTALLED AT ALL BENDS AND EVERY 200' ALONG THE CABLE RUN.
- 2.) ITEM 610 CONCRETE SHALL BE USED.
- 3.) ALL EXPOSED EDGES SHALL BE EDGED WITH A 1/4" RADIUS TOOL.
- 4.) THE COST OF FURNISHING AND INSTALLING NEW MARKERS SHALL BE INCIDENTAL TO THE ASSOCIATED CABLE ITEMS.
- 5.) 0.049 CU. YD. CONCRETE PER MARKER.



TURF AREA CABLE TRENCH DETAIL  
NOT TO SCALE

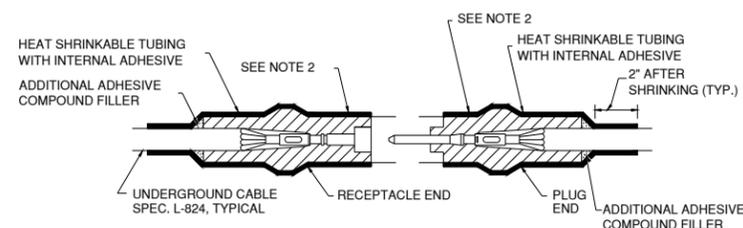
NOTES

1. TRENCHES WITH MORE THAN 2 CABLES SHALL BE INCREASED 4" IN WIDTH FOR EACH ADDITIONAL CABLE. IF SPECIFIED ON PLANS, TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.
2. DEPTH OF TRENCHES SHALL BE AS SHOWN UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. SAND BACKFILL SHALL BE USED IF THE EXISTING SOIL DOES NOT MEET THE BACKFILL REQUIREMENTS.
4. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL.
5. COUNTERPOISE SHALL BE INSTALLED PER THE SPECIFICATIONS AND COUNTERPOISE LOCATION DETAIL.
6. LOW AND HIGH VOLTAGE CABLES MAY BE COLOCATED IN A COMMON TRENCH. SEPARATION BETWEEN HIGH AND LOW VOLTAGE CABLES SHALL BE INCREASED TO 12".



TYPE A - CABLE SPLICE

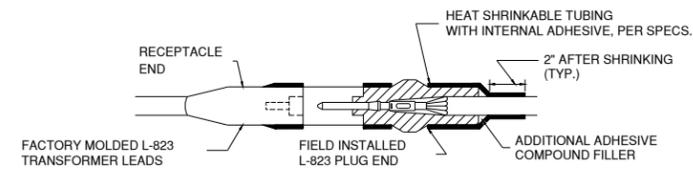
FOR SPLICES IN HOMERUNS AND FOR EXTENSIONS TO EXISTING CABLES ONLY  
N.T.S.



TYPE B - CABLE SPLICE

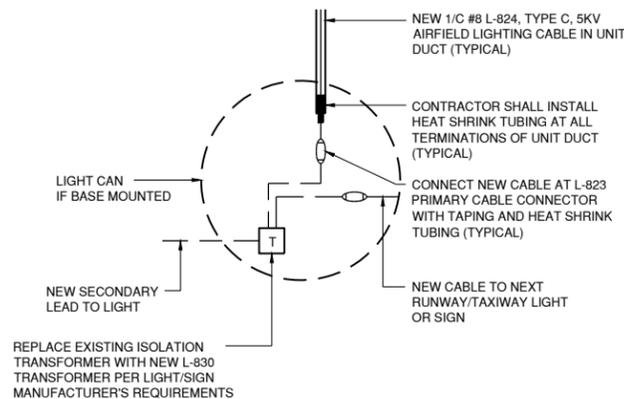
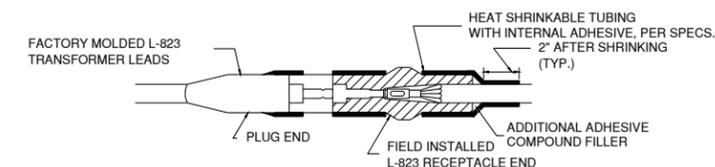
FOR SPLICES FOR USE AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT  
NOT TO SCALE

NOTE: TYPE A AND B SPLICE NOT TO BE USED UNLESS DIRECTED BY ENGINEER.

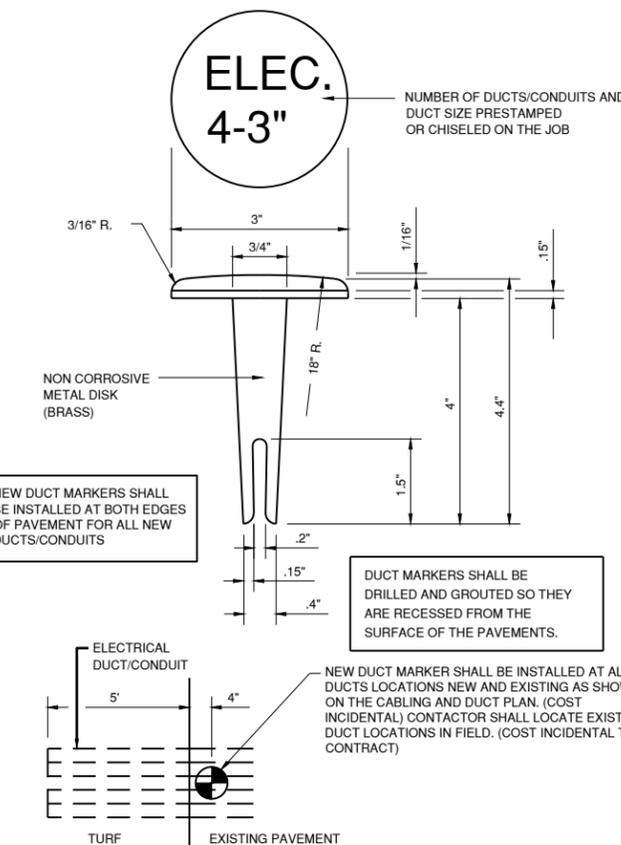


TYPE C AND D - CABLE SPLICE

FOR SPLICES AT RUNWAY/TAXIWAY LIGHTS AND SIGNS  
NOT TO SCALE



EXISTING AIRFIELD RUNWAY/TAXIWAY/SIGN - REPLACE ISOLATION TRANSFORMER DETAIL  
NOT TO SCALE



DUCT MARKER DETAIL  
NOT TO SCALE

NEW DUCT MARKERS SHALL BE INSTALLED AT BOTH EDGES OF PAVEMENT FOR ALL NEW DUCTS/CONDUITS

DUCT MARKERS SHALL BE DRILLED AND GROUTED SO THEY ARE RECESSED FROM THE SURFACE OF THE PAVEMENTS.

NEW DUCT MARKER SHALL BE INSTALLED AT ALL DUCTS LOCATIONS NEW AND EXISTING AS SHOWN ON THE CABLING AND DUCT PLAN. (COST INCIDENTAL) CONTRACTOR SHALL LOCATE EXISTING DUCT LOCATIONS IN FIELD. (COST INCIDENTAL TO CONTRACT)

CABLE SPLICE NOTES

1. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.
2. WRAP WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.
3. THE COST OF FURNISHING AND INSTALLING ALL SPLICE MATERIALS SHALL BE INCIDENTAL TO THE ASSOCIATED CABLE ITEMS.
4. THE CONTRACTOR SHALL HAVE A MINIMUM OF TWO (2) TYPE A SPLICE KITS ON THE JOB SITE AT ALL TIMES FOR EMERGENCY REPAIRS.
5. IN LIEU OF HEAT SHRINK SPLICE CONTRACTOR MAY INSTALL APPROVED L-823 "COMPLETE KIT".



CONSULTANTS

FINAL

JUNE 4, 2021  
REHABILITATE LIGHTING FOR  
RUNWAY 18-36 AND PARALLEL  
TAXIWAY



OWNER

VILLAGE OF LANSING



LANSING MUNICIPAL AIRPORT  
LANSING, ILLINOIS

7/21/21 REVISED COUNTERPOISE DETAIL

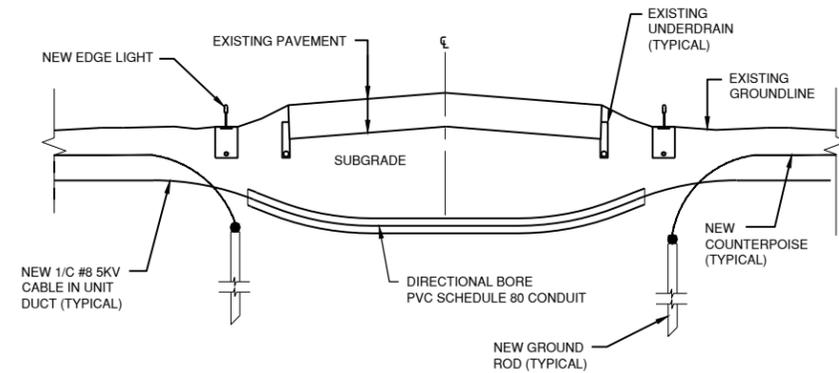
MARK	DATE	DESCRIPTION
AIP PROJ. NO. 3-17-SBGP-156/TBD		
IL PROJ. NO. IGQ-4821		
CMT PROJECT NO. 200297-02-00		
CAD DWG FILE: 22_EL201.DWG		
DESIGNED BY: ARM		
DRAWN BY: JRO		
CHECKED BY: DKP		
APPROVED BY: ARM		
COPYRIGHT:		

MARK DATE DESCRIPTION

SHEET TITLE

ELECTRICAL DETAILS  
- 2

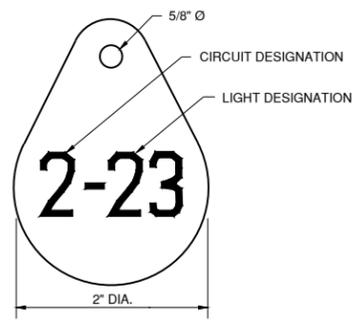
EL201  
SHEET 22 OF 28



**DIRECTIONAL BORE DETAIL**  
N.T.S.

**NOTES**

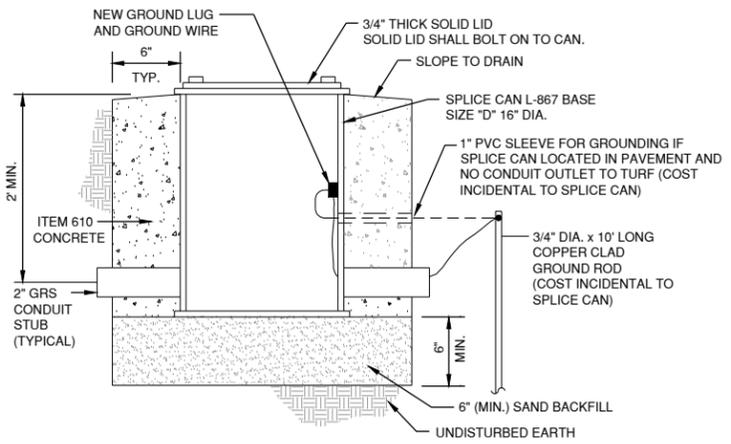
1. THE DEPTH OF THE DIRECTIONAL BORE SHALL BE NO LESS THAN 4.0' FROM THE PAVEMENT SURFACE AND SHALL NOT DISTURB EXISTING UNDERDRAINS/UTILITIES OR NEW LIGHTS/CABLING.
2. REFER TO LIGHTING PLANS FOR ADDITIONAL CABLE AND CONDUIT INFORMATION.



**LIGHT IDENTIFICATION DETAIL**  
NOT TO SCALE

**NOTES:**

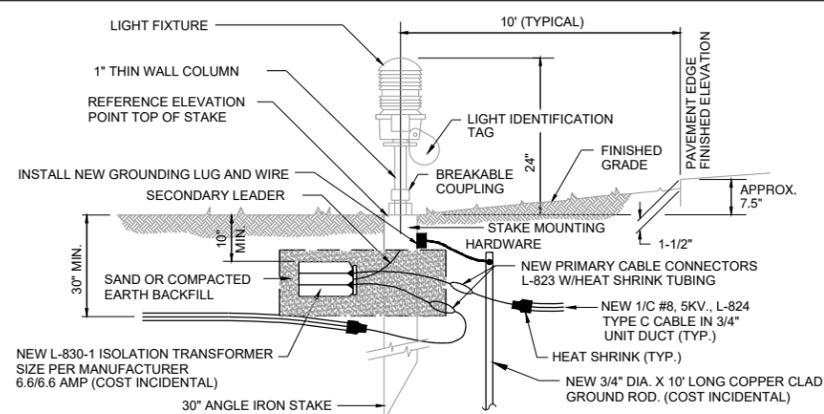
1. ON NEW LIGHTS, INSTALL A NONCORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH A SET SCREW.
2. NUMERALS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. ALL EXISTING AND PROPOSED TAXIWAY AND RUNWAY LIGHTS SHALL BE TAGGED AS DIRECTED BY THE RESIDENT ENGINEER. ALL LIGHTS ON EXISTING CIRCUITS THAT HAVE LIGHTING IMPROVEMENTS (PROPOSED OR RELOCATED LIGHTS) SHALL BE RETAGGED.
3. COST OF TAGGING LIGHTS SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.



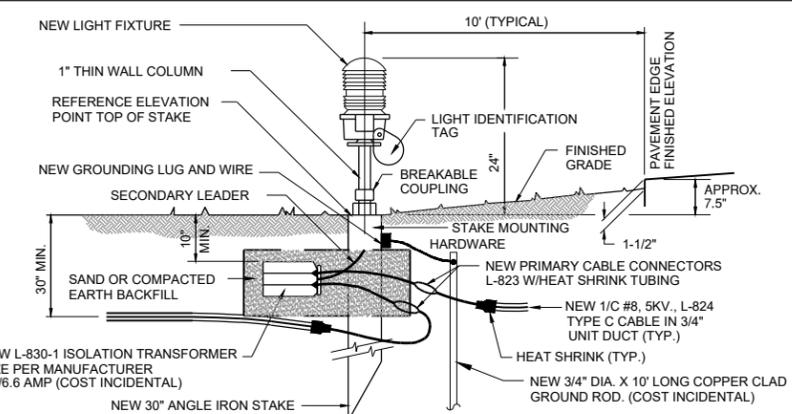
**SPLICE CAN DETAIL**  
NOT TO SCALE

**NOTES**

1. INSTALL 1/C #6 AWG BARE COPPER GROUND JUMPER CONNECTED TO GROUND LUG INSIDE BASE CAN AND EXOTHERMICALLY WELDED TO GROUND ROD (COST INCIDENTAL).
2. THE CONCRETE BASE TOP SHALL BE TROWELED FINISH WITH A 45° BEVELED EDGE AND SLOPED TO DRAIN.



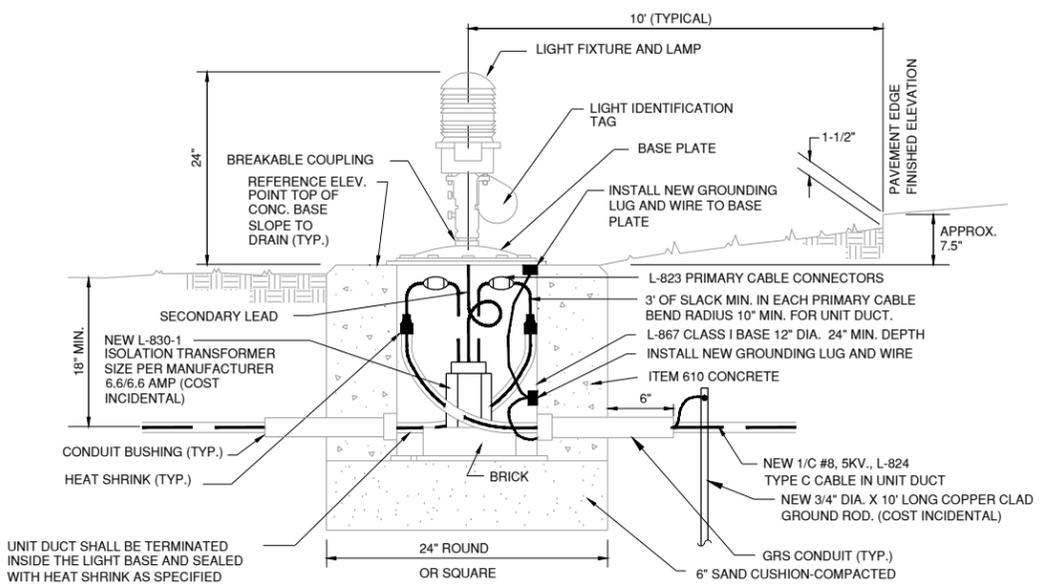
**RELOCATED STAKE MOUNTED MEDIUM INTENSITY EDGE LIGHT DETAIL**  
NOT TO SCALE



**NEW STAKE MOUNTED MEDIUM INTENSITY EDGE LIGHT DETAIL**  
NOT TO SCALE

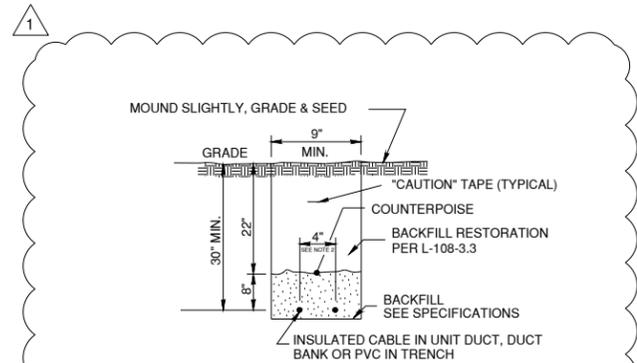
**GENERAL NOTES**

1. TRANSFORMER HOLDER MAY BE ANY COMMERCIALY AVAILABLE BRICK.
2. BREAKING GROOVE COUPLINGS SHALL NOT BE OVER 1" ABOVE GROUND LINE.
3. ISOLATION TRANSFORMERS SHALL HAVE A FACTORY INSTALLED PLUG (TYPE 1, CLASS A, STYLE 2) AND RECEPTACLE (TYPE 1, CLASS A, STYLE 9). A TYPE 1, CLASS B, STYLE 3 PLUG AND TYPE 1, CLASS B, STYLE 10 RECEPTACLE SHALL BE INSTALLED ON THE 1/C, No. 8, 5000 V., L-824 TYPE C CABLES FOR CONNECTION TO EACH TRANSFORMER.
4. TO FURTHER REDUCE THE POSSIBILITY OF WATER/MOISTURE ENTRANCE INTO THE CONNECTOR BETWEEN THE CABLE AND THE FIELD ATTACHED CONNECTOR, IT IS REQUIRED THAT A HEAT SHRINKABLE TUBING WITH INTERNAL ADHESIVE BE APPLIED OVER THE ENTIRE CABLE CONNECTOR.
5. AT THE CONTRACTOR'S OPTION, IN LIEU OF TAPE AND HEAT SHRINKABLE TUBING, A SELF-SEALING STYLE CONNECTOR L-823 "COMPLETE KITS" OR FAA APPROVED EQUAL MAY BE USED.
6. LAMP FOR FIXTURES SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS. ISOLATION TRANSFORMERS SHALL BE SIZED PER THE FIXTURE MANUFACTURER, 6.6 AMP.
7. ALL GROUND AND COUNTERPOISE WIRES SHALL BE EXOTHERMICALLY WELDED TO GROUND ROD (COST INCIDENTAL).



**RELOCATED BASE MOUNTED MEDIUM INTENSITY EDGE LIGHT DETAIL**  
NOT TO SCALE

NOTE: EXISTING BASE TO BE RELOCATED WITH LIGHT.



**COUNTERPOISE LOCATION DETAIL**  
NOT TO SCALE

**COUNTERPOISE NOTES:**

1. CABLES SHALL NOT BE PLACED LESS THAN 30" DEEP IN ANY ONE TRENCH. CABLES WITH DIFFERENT VOLTAGE RATINGS SHALL NOT BE INSTALLED IN THE SAME TRENCH.
2. LOW AND HIGH VOLTAGE CABLES MAY BE COLOCATED IN A COMMON TRENCH. SEPARATION BETWEEN HIGH AND LOW VOLTAGE CABLES SHALL BE INCREASED TO 12".
3. GROUND RODS SHALL BE INSTALLED AT 500' MAXIMUM INTERVALS. A NEW GROUND ROD SHALL BE INSTALLED AT THE COUNTERPOISE START/END POINTS AND AT AT POINTS WERE COUNTERPOISE INTERSECT. COST OF GROUND RODS SHALL BE INCIDENTAL TO THE COUNTERPOISE PAY ITEM.

Path: K:\lansing\09-2020\0702\_Rwy18\_36&TaxiwayLightingDraw\Sheets\22\_EL201.dwg  
Date: Friday, July 23, 2021 9:25:17 AM

## CONSTRUCTION METHODS

ADD: The following sections.

### **125-3.5 LIGHT RELOCATIONS**

The Contractor shall exercise care in removal of existing airfield lights and relocation to the new locations shown on the plans to prevent damage. For base mounted lights, the existing concrete foundation shall be removed, and the existing light fixture will be reinstalled on a new edge light base can (L-867), including a new isolation transformer and new grounding. Any required modifications of the light lens shall be measured and paid for separately. The base mounted or stake mounted light relocation shall include all items necessary to construct a complete unit including, but not restricted to, new conduits, new connectors, new transformers, existing fixtures and new grounding. Areas shall be backfilled, to existing elevations, graded, seeded and mulched.

### **125-3.6 RETROFIT EXISTING EDGE LIGHT AND GUIDANCE SIGN**

Contractor shall install [a new isolation transformer and](#) new  $\frac{3}{4}$ " dia x 10'-0" long ground at each existing base/stake mounted light and guidance sign at the locations noted on the plans. Contractor shall install 1/C No. 6 AWG bare copper ground wire connected to the ground lug inside the light base or bolted to the stake and cad-welded the other end to the ground rod. The cad-weld shall be one shot exothermic type or equal. Install new ground lug inside the existing cans if required. Ground rod shall be installed 12" minimum below grade. The ground resistance to the ground shall not exceed 10 ohms for acceptance.

### **125-3.7 FAA FLIGHT INSPECTION**

The FAA will perform a commissioning flight inspection for each new REIL set on Runway 18, and Runway 36 after each system has been installed, completed and confirmed by the Contractor. The initial cost of this inspection shall be the responsibility of the Airport. If a flight inspection is required to re-inspect the system due to improper installation by the Contractor, including but not limited to an adjustment, equipment malfunction or construction not completed, the additional charge for subsequent flight inspections shall be borne by the Contractor. The cost for an FAA flight inspection at this location is approximately \$10,000.

## METHOD OF MEASUREMENT

### **125-4.1**

ADD: The quantities to be paid for under this item shall consist of:

- a. The number of base mounted lights and stake mounted lights relocated per the plan drawings and details, in place as complete units, ready for operation and accepted by the Engineer. This item shall include removal and disposal off Airport property of the existing concrete foundation, installation of new base cans, new grounding, new isolation transformers, new L-823 connectors and reinstallation of existing base mounted and stake mounted light fixtures.
- b. The number of stake mounted lights installed in place as complete units, ready for operation and accepted by the Engineer. This item shall include installation of new grounding, new isolation transformers, new L-823 connectors and installation of new stake mounted light fixture.

- c. The installation of new isolation transformers, ground rods and ground wire for existing taxiway edge lights and existing taxiway guidance signs to remain in place shall be paid for as “Retrofit Exist Edge Light or Guidance Sign”.
- d. The number of splice cans with new cover, installed in place as complete units, ready for operation and accepted by the Engineer. This item shall include installation of the base can, cover, new grounding, splices, and miscellaneous connections as specified herein.
- e. The number of Runway End Identifier Lights (REIL) replaced, including removal of the existing REILs and installation of new power pedestal with disconnect and step-down transformer, flash heads, foundation, frangible fittings, grounding and all new equipment installed in place as complete units, ready for operation and accepted by the Engineer. Each REIL system will be described and paid for as a pair. REIL sensing cable and control wires shall be not measured separately for payment but shall be incidental to the REIL units. REIL cables (between vault and power pedestal) shall be measured separately and as specified in Section AR108.
- f. The number of light lenses removed and replaced with new lenses.
- g. The number of isolation transformers in existing light and sign bases to remain in place removed and replaced with new transformers.

**125-5.1**

ADD:

These prices shall be full compensation for furnishing all materials and for all preparation, removals, modifications, assembly, and installation of these materials, coordination with the manufacturers and for all labor, equipment, tools, and incidentals necessary to complete this item.

Payment will be made under:

<b>ITEM AR125400</b>	<b>REPLACE ISOLATION TRANSFORMER – PER EACH.</b>
<b>ITEM AR125410</b>	<b>MITL – STAKE MOUNTED – PER EACH.</b>
<b>ITEM AR125565</b>	<b>SPLICE CAN – PER EACH.</b>
<b>ITEM AR125927</b>	<b>REPLACE REILS – PER PAIR.</b>
<b>ITEM AR125931</b>	<b>REPLACE LIGHT LENSE – PER EACH.</b>
<b>ITEM AR125961</b>	<b>RELOCATE STAKE MOUNTED LIGHT – PER EACH.</b>
<b>ITEM AR125962</b>	<b>RELOCATE BASE MOUNTED LIGHT – PER EACH.</b>
<b>ITEM AR800085</b>	<b>RETROFIT EXIST EDGE LIGHT OR GUIDANCE SIGN – PER EACH.</b>