



Illinois Department of Transportation

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

January 10, 2020

SUBJECT: University of Illinois - Willard Airport
Savoy, Illinois
Champaign County
Illinois Project Number: CMI-4606
Contract No. UN058
Item No. 02A, January 17, 2020 Letting
Addendum B

NOTICE TO PROSPECTIVE BIDDERS

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

Reason(s) for Addendum:

Revise Plan Sheet EL501 to clarify contractor's questions.

Revise Plan Sheets EL101 and EL504 – sign plan and tables.

To All Plan Holders:

Sheet EL501:

1. Revise Edge Light note 2 to read L-861, as indicated on the plans and specifications. All new lights shall be LED with arctic kits.
2. Revise Edge Light note 3 to read L-830 isolation transformers for LED edge lights with heaters shall be L-830-1.

Sheets EL101 & EL504:

3. Revise Lighting and Sign Plan to show Sign A-9 on sheet and add Sign A-9 to the Sign Table.

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

Questions on this addendum may be directed to Chris Groth, P.E. of Crawford, Murphy and Tilly, Inc. at 217-787-8050.

NOVEMBER 15, 2019

CONSTRUCT TAXIWAY A5

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WILLARD AIRPORT
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CJK 1/2/20 ADDENDUM #2

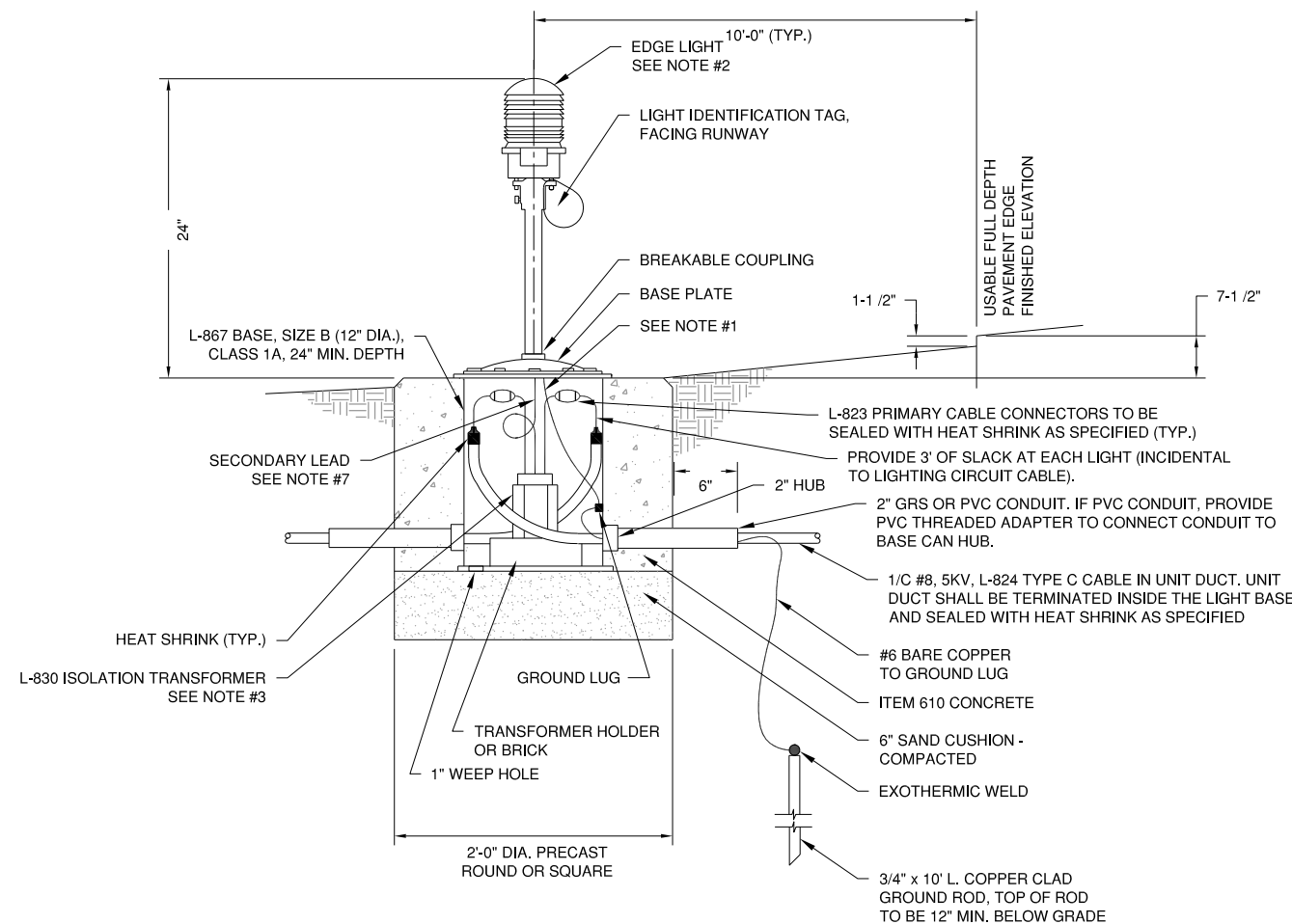
MARK	DATE	DESCRIPTION

AIP PROJ. NO.	3-17-0016-033
IL PROJ. NO.	CMI-4606
CMT PROJECT NO.	16059-03-00
CAD DWG FILE:	CM4606-1605903-EL501.DWG
DESIGNED BY:	HWI
DRAWN BY:	DPA
CHECKED BY:	MJD
APPROVED BY:	CBG
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SHEET TITLE
ELECTRICAL DETAILS

1

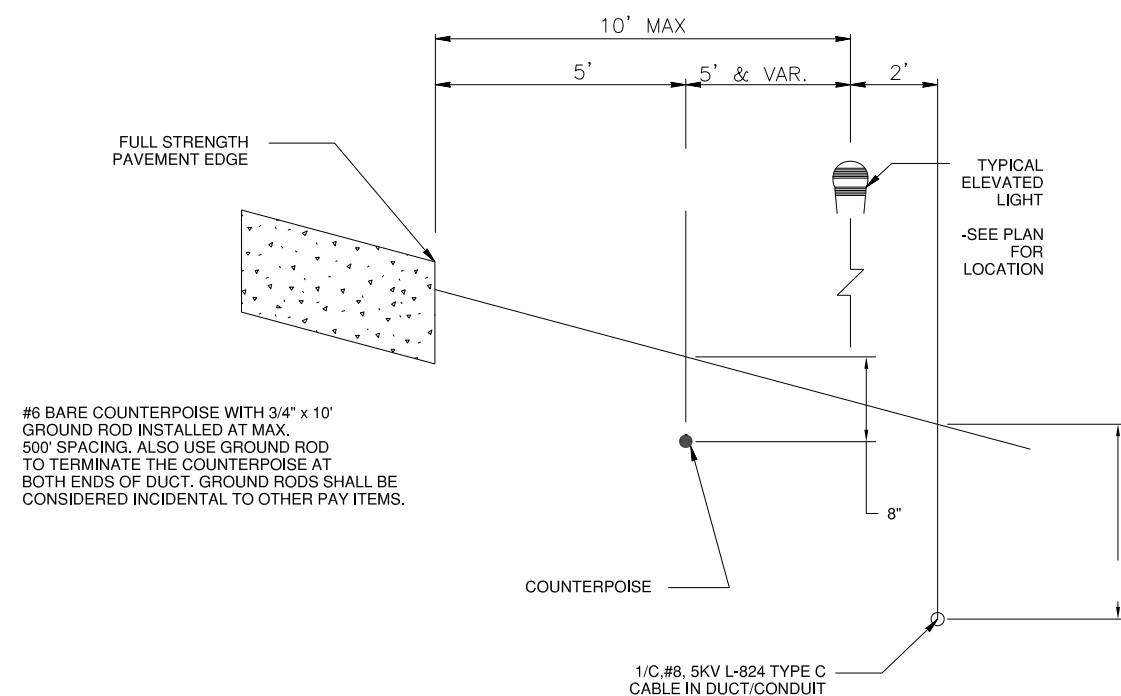
EL501
SHEET 25 OF 39



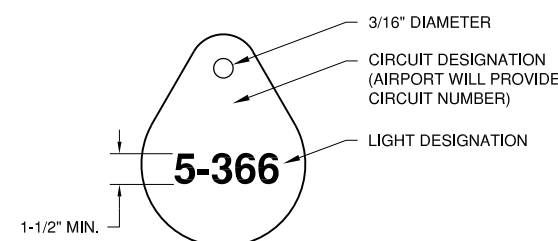
L-861(T) BASE MOUNTED TAXIWAY EDGE LIGHT
N.T.S.

NOTES

- THE LIGHT FIXTURE SHALL BE BONDED TO THE LIGHT BASE INTERNAL GROUND LUG VIA A #6 AWG STRANDED COPPER WIRE RATED FOR 600 VOLTS WITH GREEN XHHW INSULATION. THE GROUND WIRE LENGTH SHALL BE SUFFICIENT TO ALLOW THE REMOVAL OF THE LIGHT FIXTURE FROM THE LIGHT BASE FOR ROUTINE MAINTENANCE. SEE THE LIGHT FIXTURE MANUFACTURER'S INSTRUCTIONS FOR PROPER METHODS OF ATTACHING THIS BONDING WIRE.
- LIGHT FIXTURES SHALL BE L-861, AS INDICATED ON THE PLANS AND SPECIFICATIONS, ALL NEW LIGHTS SHALL BE LED WITH ARCTIC KITS.
- L-830 ISOLATION TRANSFORMERS FOR LED EDGE LIGHTS WITH HEATERS SHALL BE L-830-1 30/45 WATT. AS RECOMMENDED BY LIGHT MANUFACTURER.
- THE TOLERANCE FOR THE HEIGHT OF RUNWAY/TAXIWAY EDGE LIGHTS MUST BE ± 1 INCH. THE TOLERANCE FOR THE LATERAL SPACING (LIGHT LANE TO RUNWAY/TAXIWAY CENTERLINE) OF RUNWAY/TAXIWAY EDGE LIGHTS MUST BE ± 1 INCH.
- DIRECTION OF PRIMARY CABLES MUST BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING LIGHT WITH BACK FACING PAVEMENT, CABLE TO THE LEFT IS CODED RED AND CABLE TO THE RIGHT IS CODED BLUE.
- APPLY A CORROSION INHIBITING, ANTI-SEIZE COMPOUND TO ALL SCREWS, NUTS AND FRANGIBLE COUPLING THREADS. IF COATED BOLTS ARE USED PER ENGINEERING BRIEF #83, DO NOT APPLY ANTI-SEIZE COMPOUND.
- ELECTRICAL INSULATING GREASE MUST BE APPLIED WITHIN THE L-830 ISOLATION TRANSFORMER SECONDARY TWO CONDUCTOR CONNECTORS TO PREVENT WATER ENTRANCE. THE CONNECTORS MUST NOT BE TAPED.
- ENTRANCES IN L-867 BASES MUST BE PLUGGED FROM THE INSIDE WITH DUCT SEAL TO MAKE WATERTIGHT.



COUNTERPOISE LOCATION DETAIL
N.T.S.



LIGHT IDENTIFICATION TAG DETAIL
N.T.S.

NOTES

- 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 SET SCREW.
- NUMERALS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, AND SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- AIRFIELD SIGNS SHALL BE TAGGED AND NUMBERED.
- THE CONTRACTOR SHALL NUMBER THE EXISTING AND PROPOSED LIGHTS AND SIGNS IN EACH CIRCUIT, STARTING AT THE HOMERUN AND CONTINUING AROUND THE ENTIRE CIRCUIT, BACK TO THE HOMERUN.

NOTES

- LIGHTS ARE SHOWN 10' FROM THE USABLE EDGE OF PAVEMENT. SEE DETAIL FOR MORE INFORMATION.
- SEE ELECTRICAL DETAILS EL505 FOR LOCATION OF HOLD SIGNS AND RGL.
- LED SIGNS ON RUNWAY CIRCUIT SHALL BE 5 STEP STYLE 3.
- EXISTING INCANDESCENT LIGHT FIXTURES SHALL BE RELOCATED TO THE LOCATIONS SHOWN ABOVE WITH NEW LIGHT BASES (PAID AS SPLICE CAN) AND ISOLATION TRANSFORMERS.
- HOLD POSITION SIGN (S-6) SHALL BE 257' FROM RUNWAY 14L/32R CENTERLINE @ N: 1226661.172 E: 1002353.061
- IF A STATION OR DIMENSION IS NOT GIVEN FOR A NEW LIGHT, IT SHALL BE LOCATED PERPENDICULAR TO THE TAXIWAY CENTERLINE FROM THE OPPOSING LIGHT ON THE OTHER SIDE OF THE TAXIWAY.

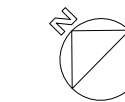
LEGEND

- EXISTING BASE MOUNTED RUNWAY LIGHT OR FOUNDATION
- EXISTING STAKE MOUNTED TAXIWAY LIGHT
- EXISTING BASE MOUNTED TAXIWAY LIGHT
- EXISTING AIRFIELD GUIDANCE SIGN
- NEW BASE MOUNTED TAXIWAY LIGHT (LED)
- NEW IN-PAVEMENT SEMI-FLUSH RUNWAY LIGHT
- NEW AIRFIELD GUIDANCE SIGN
- RELOCATED RUNWAY GUARD LIGHT
- BASE MOUNTED TAXIWAY LIGHT (SEE NOTE 4)
- NEW COUNTERPOISE #6
- NEW GROUND ROD



License No. 184-000613

CONSULTANTS



THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

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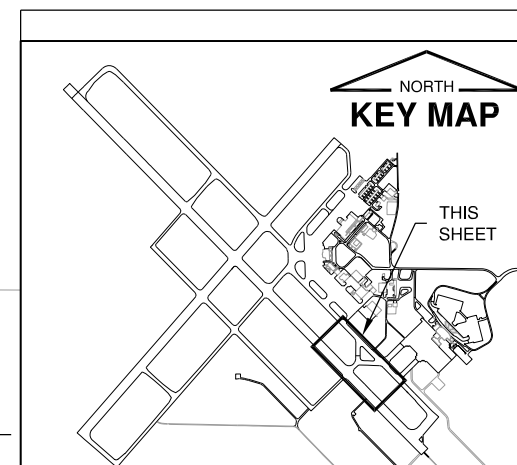
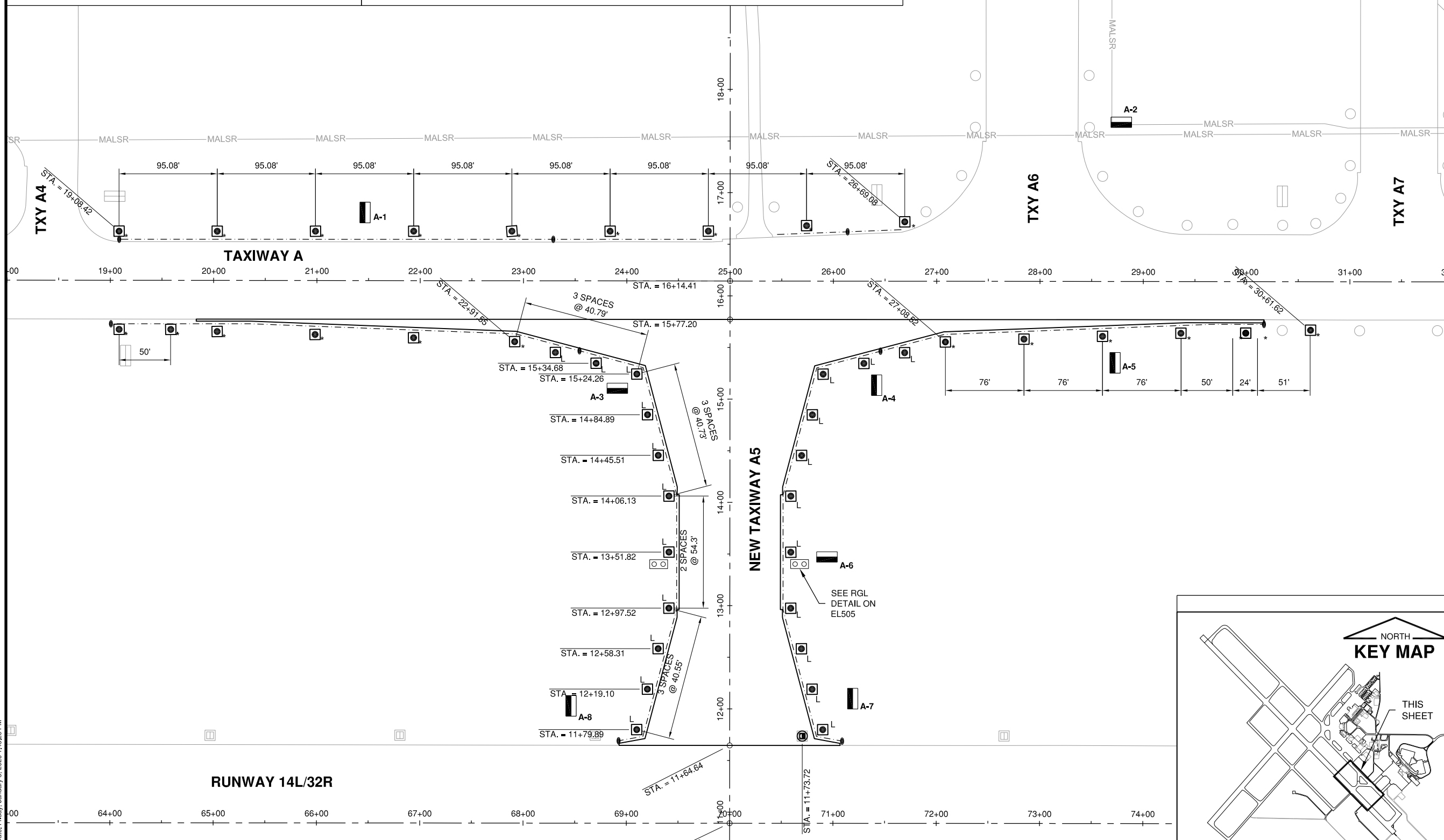
CJK 1/2/20 ADDENDUM #2

MARK	DATE	DESCRIPTION

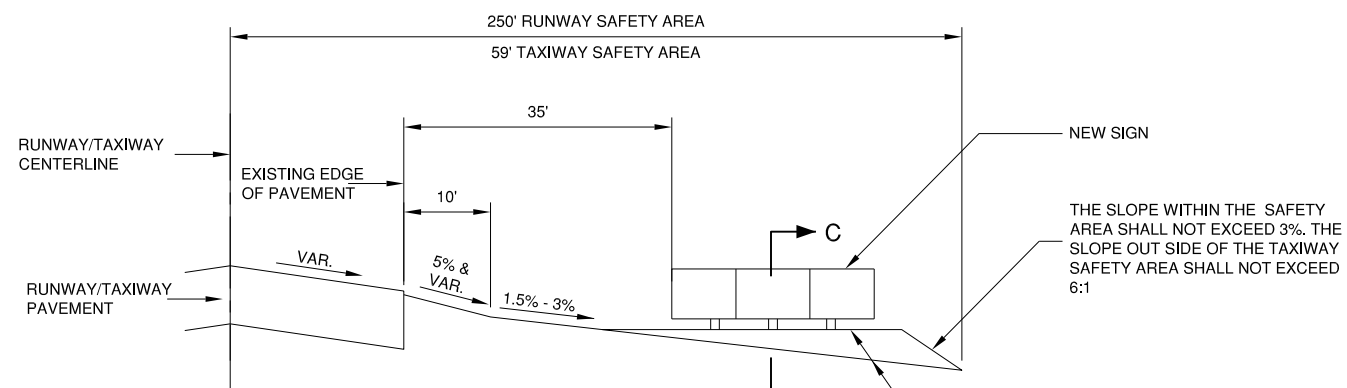
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IL PROJ. NO.	CM1-4606
CMT PROJECT NO.	16059-03-00
CAD DWG FILE:	CM14606-1605903-EL101.DWG
DESIGNED BY:	HWI
DRAWN BY:	DPA
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SHEET TITLE
LIGHTING AND SIGN PLAN

EL101
SHEET 23 OF 39



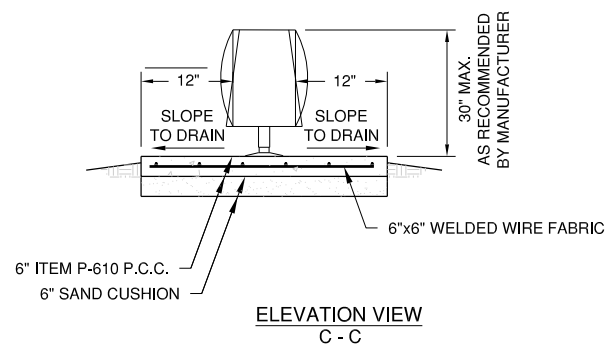
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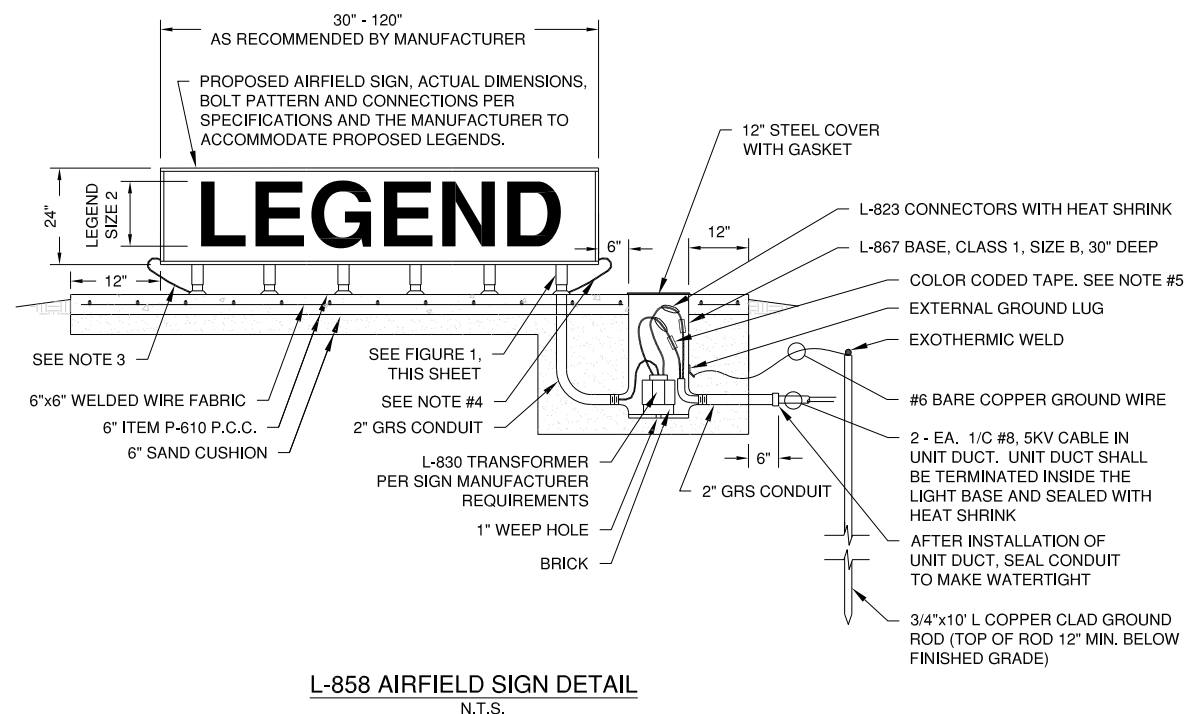
NOTES:

1. SLOPES SHOWN ARE FROM FAA STANDARDS AND MAY NOT REFLECT THE ACTUAL GRADES IN THE FIELD
2. ESTIMATED 1 C.Y. OF EMBANKMENT MAY BE REQUIRED TO CONSTRUCT SIGN BASE FOUNDATION. COSTS TO CONSTRUCT SHALL BE INCIDENTAL TO SIGN PAY ITEM.
3. ACTUAL LOCATION OF THE SIGN WITHIN THE TAXIWAY SAFETY AREA WILL VARY DUE TO PAVEMENT WIDTHS AND VARIANCES IN SIGN FOUNDATION LENGTHS.
4. 4" OF KNITTED STRAW MAT SHALL BE PLACED AROUND THE PROTECTION APRON. COST FOR MAT SHALL BE INCIDENTAL TO SIGN PAY ITEM.

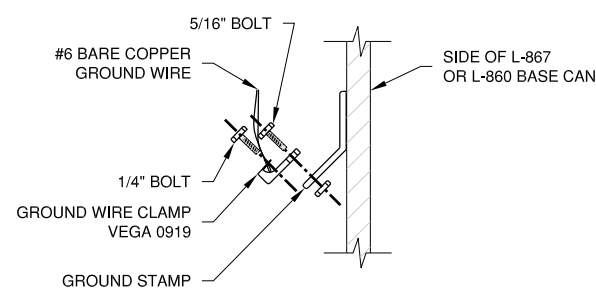
ELEVATION



ELEVATION VIEW
C - C



L-858 AIRFIELD SIGN DETAIL
N.T.S.



FACTORY GROUND LUG DETAIL
N.T.S.

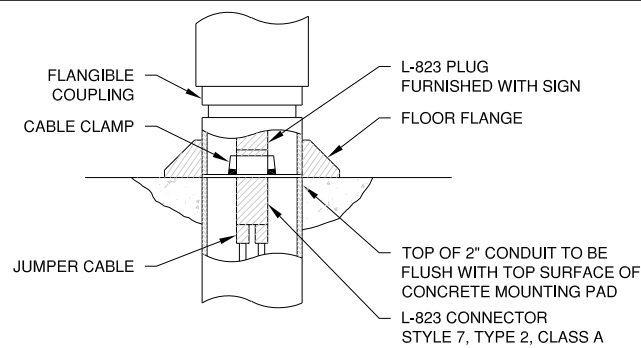
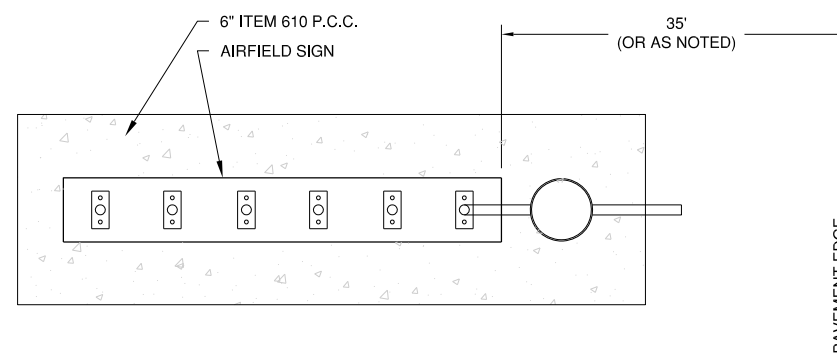


FIGURE 1
ELECTRICAL CONNECTION DETAIL



PLAN VIEW

SIGN #	SIDE	EX SIGN LEGEND	NEW SIGN LEGEND	WHITE WITH BLACK OUTLINE ON RED BACKGROUND	BLACK LEGEND ON YELLOW BACKGROUND	YELLOW LEGEND ON BLACK BACKGROUND	NUMBER OF CHARACTERS	NEW POWER CIRCUIT	SIGN STYLE	INTENSITY
* A-1 (EX)	NW SE	A A5 ↗ FBO →	A A5 → FBO →		A5 → FBO →	A	4	TXY A	2	MEDIUM
* A-2 (EX)	NE SW	← A A6 A → A6	A6 ← A → A6		← A →	A6 A6	5	TXY A	2	MEDIUM
A-3 (NEW)	NE SW		A5 ← A →		← A →	A5	5	TXY A	2	MEDIUM
A-4 (NEW)	NW SE		← A5 A		← A5	A	4	TXY A	2	MEDIUM
* A-5 (EX)	NW SE	↖ A6 A A6 →	A A6 →		A6 →	A	4	TXY A	2	MEDIUM
A-6 (NEW)	NE SW		A5 32R-14L A5	32R-14L		A5 A5	9	RNWWY 14L 32R	3	HIGH
A-7 (NEW)	NW SE		A5 →		A5 →		3	TXY A	2	MEDIUM
A-8 (NEW)	NW SE		← A5		← A5		3	TXY A	2	MEDIUM
A-9 (EX)	NE SW	A6 ↑			A6 ↑		3	TXY A	2	MEDIUM

* NOTE: SIGNS A-1, A-2, A-5, & A-9 ARE TO BE REMOVED, BUT THE CONCRETE BASE AND SPLICE CAN ARE TO REMAIN. CONTRACTOR SHALL INSTALL NEW SIGNS AND NEW LEGENDS ON EXISTING PCC BASE.

AIRFIELD SIGN NOTES

1. TRANSFORMER WATTAGE SHALL BE AS REQUIRED BY SIGN MANUFACTURER. SIGN ON RUNWAY CIRCUIT SHALL BE STYLE 3.
2. SIGN LEGEND SHALL BE AS SHOWN IN THE PLANS. SIGN SCHEDULE IS SUBJECT TO FAA APPROVAL OF THE SIGNAGE PLAN. CHANGES TO NEW LEGENDS MAY OCCUR DURING CONSTRUCTION.
3. SIGN ANCHOR TETHERS AND GROUND WIRES ARE REQUIRED. SEE SPECIFICATIONS.
4. SIGNS SHALL BE SIZE 2, STYLE 2 OR 3, CLASS 2, AND MODE 2. SEE SIGN SCHEDULE FOR DETAILS.
5. LIGHT I.D. TAG FOR SIGN SHALL INCLUDE SIGN DESIGNATOR SHOWN IN THE PLAN TABLES.
6. DIRECTION OF PRIMARY CABLES MUST BE IDENTIFIED BY COLOR CODING AS FOLLOWS: WHEN FACING SIGN IN BACK FACING THE RELATED RUNWAY OR TAXIWAY PAVEMENT, THE CABLE FOR THE CIRCUIT TO THE LEFT IS CODED RED AND CABLE FOR THE CIRCUIT TO THE RIGHT IS CODED BLUE.

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MARK DATE DESCRIPTION

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IL PROJ. NO. CMI-4606
CMT PROJECT NO: 16059-03-00
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DESIGNED BY: HWI
DRAWN BY: DPA
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SHEET TITLE
ELECTRICAL DETAILS
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EL504
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