

UN053

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).

UNIVERSITY OF ILLINOIS
 WILLARD AIRPORT
 SAVOY, ILLINOIS

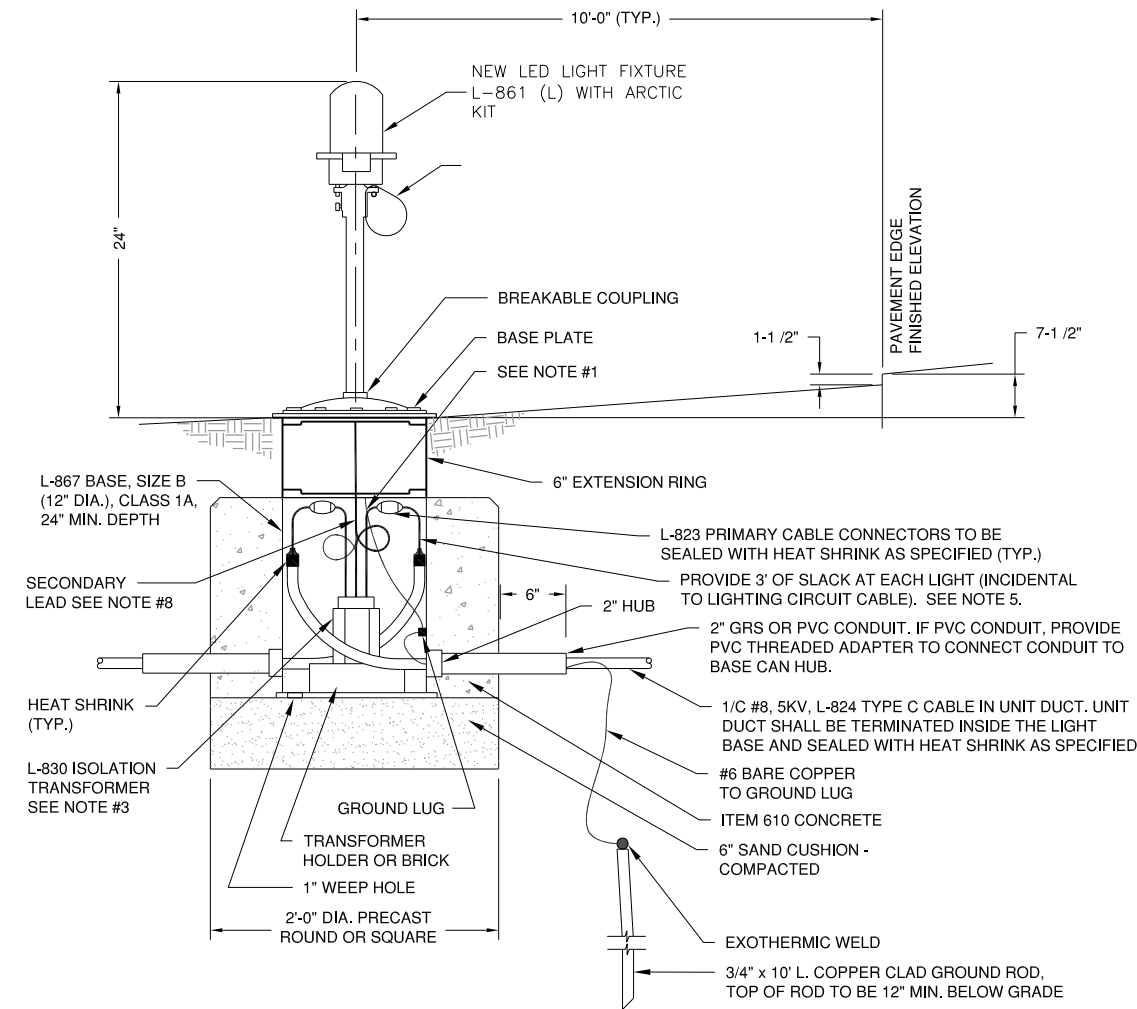
**BASE BID - REALIGN AND WIDEN TAXIWAY C
 ELECTRICAL DETAILS 1**

© Copyright CMT, Inc.

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	CBG
DRAWN BY:	ADD
CHECKED BY:	CET
APPROVED BY:	CET
DATE:	JUNE 27, 2014
JOB No:	13059-02-00

IL PROJ. NO. CMI-4347
 AIP PROJ. NO. 3-17-0016-XX

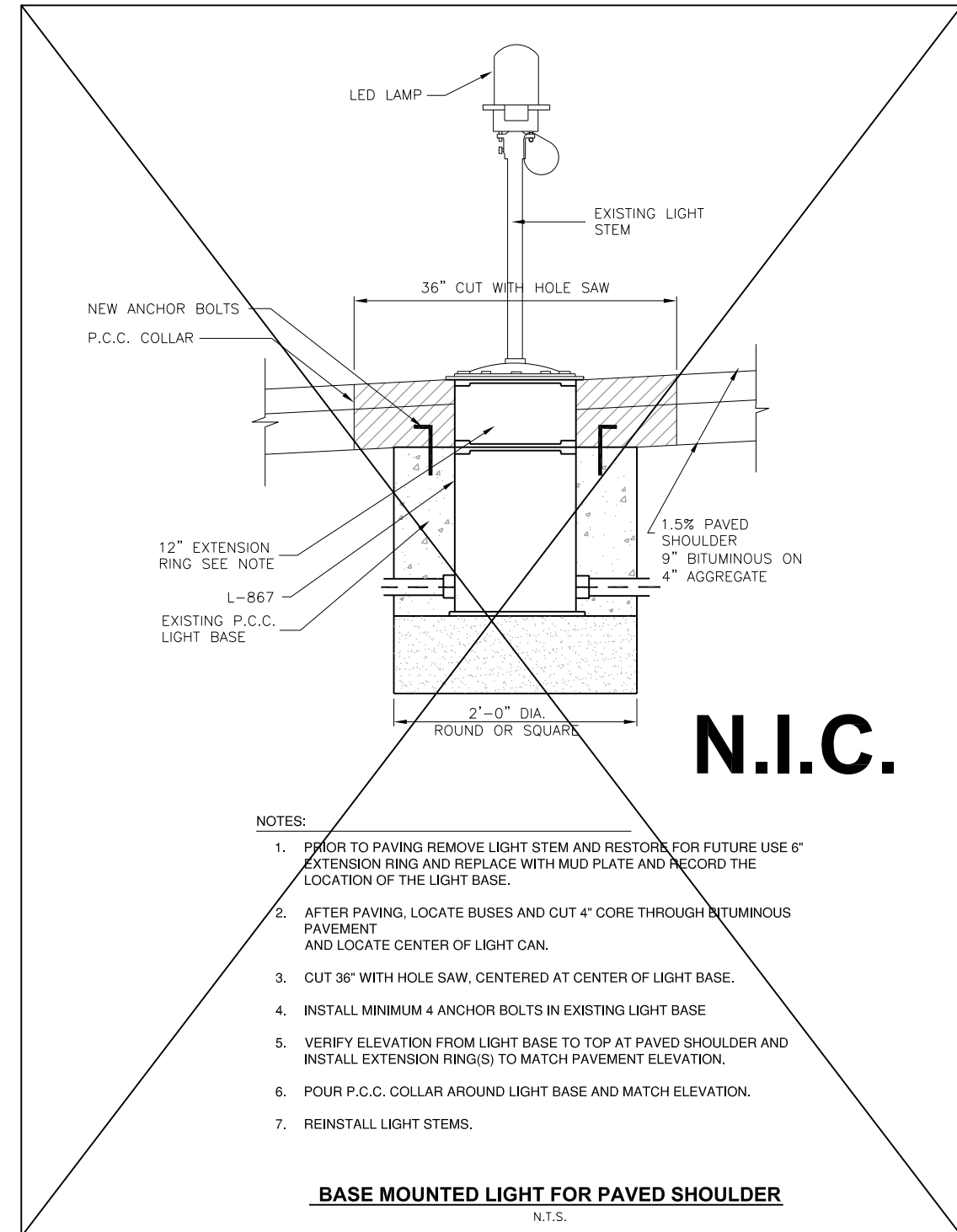


NOTES

1. 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.
2. LIGHT FIXTURES SHALL BE LED, TYPE L-861T (L), WITH HEATER.
3. LED EDGE LIGHTS WITH HEATERS SHALL BE L-830-17, 20/25 WATT OR L-830-1, 30/45 WATT, AS RECOMMENDED BY LIGHT FIXTURE MANUFACTURER.
4. ENTRANCES INTO L-867 BASES MUST BE PLUGGED FROM THE INSIDE WITH DUCT SEAL.
5. 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.
6. 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.
7. 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.
8. 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.

BASE MOUNTED EDGE LIGHT

N.T.S.



NOTES:

1. PRIOR TO PAVING REMOVE LIGHT STEM AND RESTORE FOR FUTURE USE 6" EXTENSION RING AND REPLACE WITH MUD PLATE AND RECORD THE LOCATION OF THE LIGHT BASE.
2. AFTER PAVING, LOCATE BUSES AND CUT 4" CORE THROUGH BITUMINOUS PAVEMENT AND LOCATE CENTER OF LIGHT CAN.
3. CUT 36" WITH HOLE SAW, CENTERED AT CENTER OF LIGHT BASE.
4. INSTALL MINIMUM 4 ANCHOR BOLTS IN EXISTING LIGHT BASE
5. VERIFY ELEVATION FROM LIGHT BASE TO TOP AT PAVED SHOULDER AND INSTALL EXTENSION RING(S) TO MATCH PAVEMENT ELEVATION.
6. POUR P.C.C. COLLAR AROUND LIGHT BASE AND MATCH ELEVATION.
7. REINSTALL LIGHT STEMS.

BASE MOUNTED LIGHT FOR PAVED SHOULDER

N.T.S.