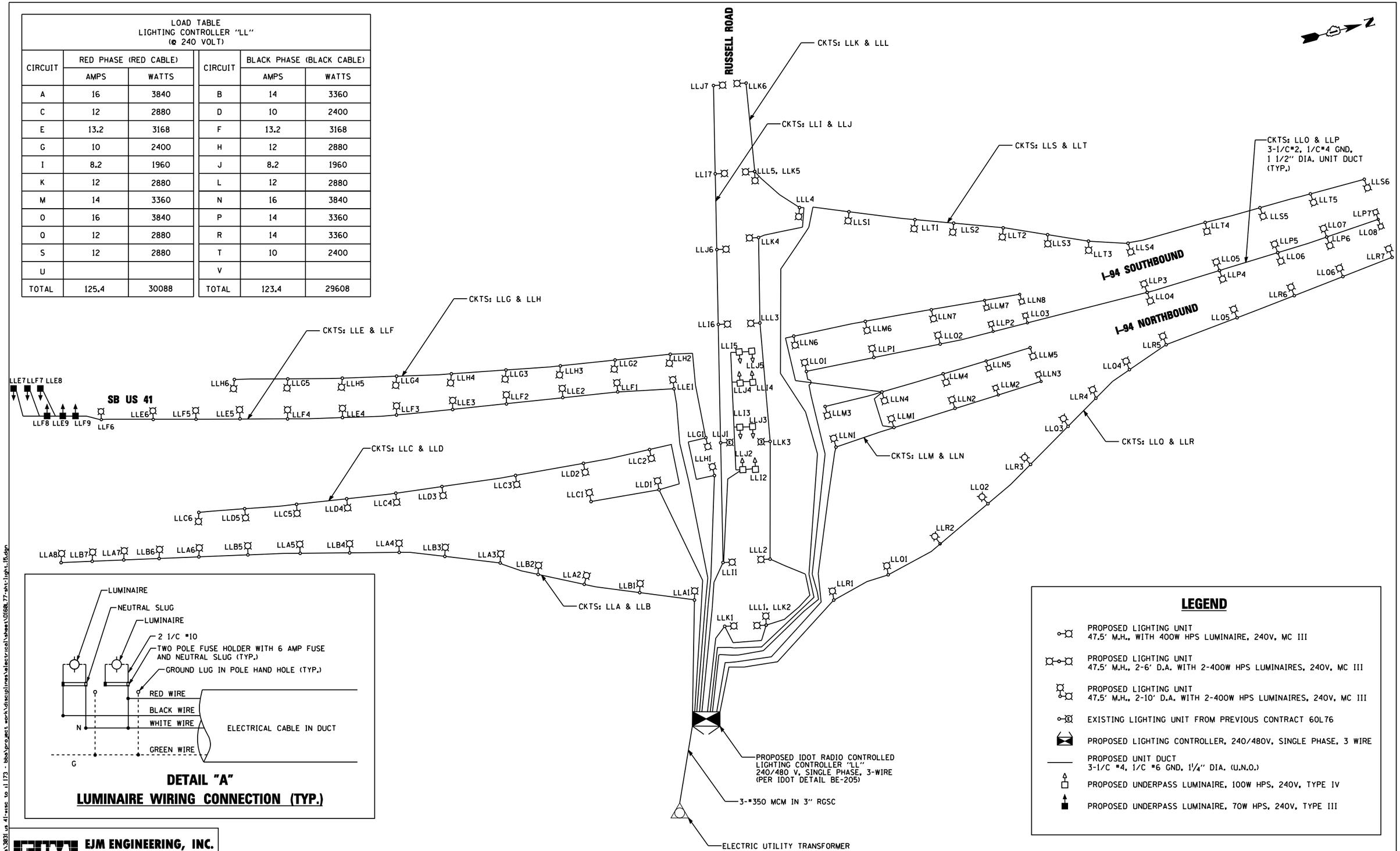
LOAD TABLE LIGHTING CONTROLLER "LL" (@ 240 VOLT)					
CIRCUIT	RED PHASE (RED CABLE)		CIRCUIT	BLACK PHASE (BLACK CABLE)	
	AMPS	WATTS		AMPS	WATTS
A	16	3840	B	14	3360
C	12	2880	D	10	2400
E	13.2	3168	F	13.2	3168
G	10	2400	H	12	2880
I	8.2	1960	J	8.2	1960
K	12	2880	L	12	2880
M	14	3360	N	16	3840
O	16	3840	P	14	3360
Q	12	2880	R	14	3360
S	12	2880	T	10	2400
U			V		
TOTAL	125.4	30088	TOTAL	123.4	29608



DETAIL "A"

LUMINAIRE WIRING CONNECTION (TYP.)

LEGEND

- PROPOSED LIGHTING UNIT 47.5' M.H., WITH 400W HPS LUMINAIRE, 240V, MC III
- PROPOSED LIGHTING UNIT 47.5' M.H., 2-6' D.A. WITH 2-400W HPS LUMINAIRES, 240V, MC III
- PROPOSED LIGHTING UNIT 47.5' M.H., 2-10' D.A. WITH 2-400W HPS LUMINAIRES, 240V, MC III
- EXISTING LIGHTING UNIT FROM PREVIOUS CONTRACT 60L76
- PROPOSED LIGHTING CONTROLLER, 240/480V, SINGLE PHASE, 3 WIRE
- PROPOSED UNIT DUCT 3-1/C #4, 1/C #6 GND, 1¼" DIA. (U.N.O.)
- PROPOSED UNDERPASS LUMINAIRE, 100W HPS, 240V, TYPE IV
- PROPOSED UNDERPASS LUMINAIRE, 70W HPS, 240V, TYPE III

EJM ENGINEERING, INC.
411 South Wells Street Suite 1000
Chicago, Illinois 60607

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E-15

FILE NAME	USER NAME = rswanson	DESIGNED - RAS	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = NONE ' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 6/18/2012	DATE - 6/19/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94 FROM ROSECRANS RD TO STATE LINE
SINGLE LINE DIAGRAM - IDOT CONTROLLER "LL"

SCALE: NONE | SHEET NO. 15 OF 53 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	49-1-R-1	LAKE	677	375
		CONTRACT NO. 60L77		
		ILLINOIS FED. AID PROJECT		