

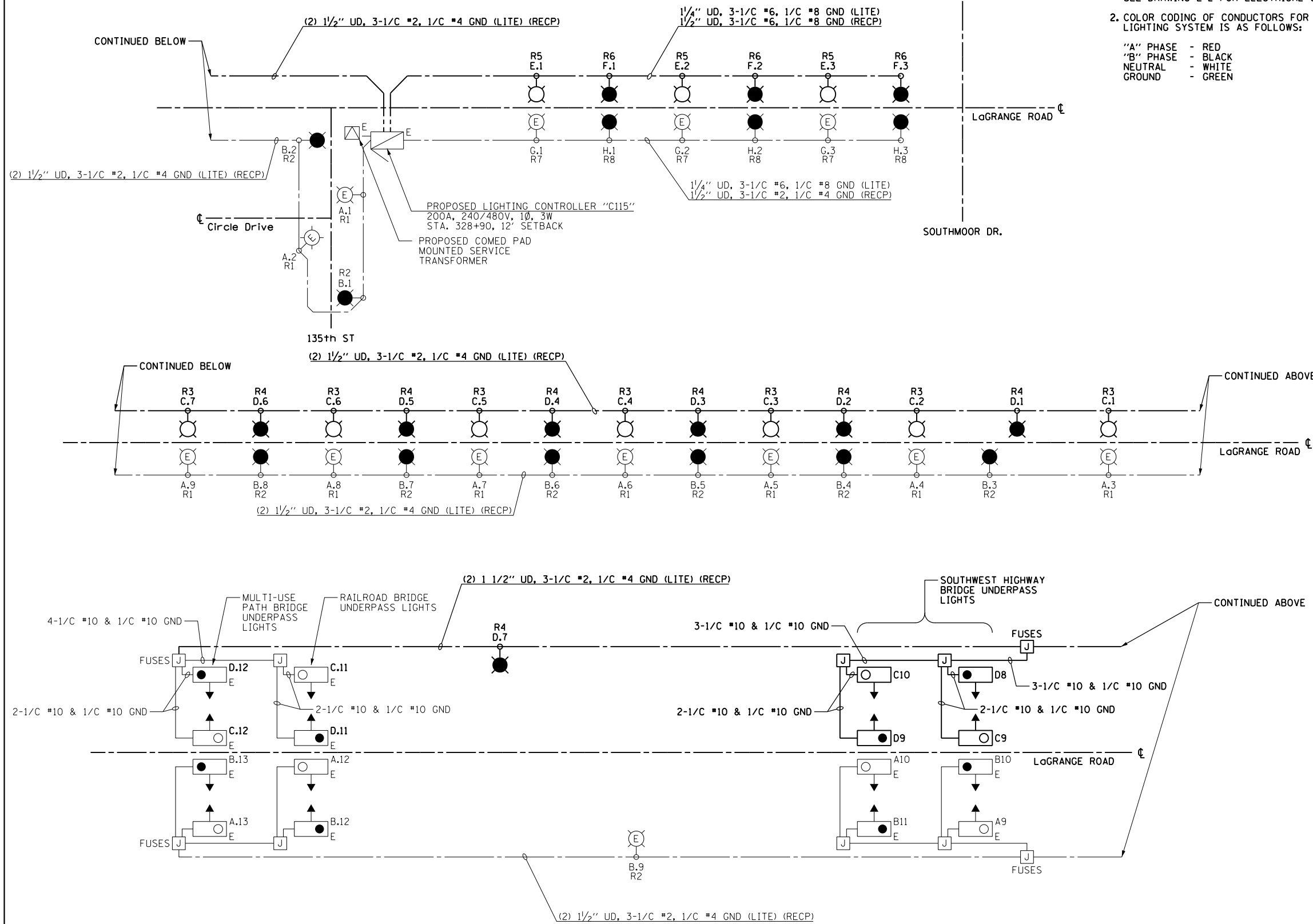
CARL SANDBURG HIGH SCHOOL

NOTES:

- SEE DRAWING E-1 FOR ELECTRICAL ABBREVIATIONS. SEE DRAWING E-2 FOR ELECTRICAL GENERAL NOTES.
- COLOR CODING OF CONDUCTORS FOR 240/480V, 1Ø, 3W LIGHTING SYSTEM IS AS FOLLOWS:
 "A" PHASE - RED
 "B" PHASE - BLACK
 NEUTRAL - WHITE
 GROUND - GREEN

LEGEND:

- PROPOSED LIGHTING UNIT: 400W, 240V PHASE TO NEUTRAL, HPS LUMINAIRE WITH TYPE III DISTRIBUTION, 45'-2" ALUMINUM POLE SHAFT ON 24" DIAMETER CONCRETE FOUNDATION, 47'-6" MOUNTING HEIGHT, 12'-0" MAST ARM, WITH 5A FUSE AND T-BASE (RED PHASE-OPEN SYMBOL, BLACK PHASE-SHADED SYMBOL)
- PROPOSED UNDERPASS LUMINAIRE, 100 WATT, 240V PHASE TO NEUTRAL, HPS, WITH TYPE III DISTRIBUTION, WALL MOUNTED (RED PHASE-OPEN SYMBOL, BLACK PHASE-SHADED SYMBOL)
- PROPOSED LIGHTING UNIT INSTALLED IN EARLIER CONSTRUCTION STAGE (RED PHASE-OPEN SYMBOL, BLACK PHASE-SHADED SYMBOL)
- PROPOSED TWIN-LUMINAIRE LIGHTING UNIT INSTALLED IN EARLIER CONSTRUCTION STAGE (RED PHASE-OPEN SYMBOL, BLACK PHASE-SHADED SYMBOL)
- EXISTING UNDERPASS LIGHTING UNIT (RED PHASE-OPEN SYMBOL, BLACK PHASE-SHADED SYMBOL)
- PROPOSED ROADWAY LIGHTING CONTROLLER AS INSTALLED IN EARLIER CONSTRUCTION STAGE
- PROPOSED COMED PAD-MOUNTED TRANSFORMER FOR UTILITY SERVICE CONNECTION AS INSTALLED IN EARLIER CONSTRUCTION STAGE
- PROPOSED STAINLESS STEEL, NEMA 4X JUNCTION BOX ATTACHED TO STRUCTURE (SIZED AS INDICATED ON PLANS)
- EXISTING STAINLESS STEEL, NEMA 4X JUNCTION BOX ATTACHED TO STRUCTURE (SIZED AS INDICATED ON PLANS)
- PROPOSED CONDUIT AND CABLE TO SECONDARY SIDE OF UTILITY SERVICE CONNECTION AS INSTALLED IN EARLIER CONSTRUCTION STAGE
- PROPOSED UNIT DUCT; SIZE AND QUANTITY OF CONDUCTORS AS INDICATED
- PROPOSED CONDUCTORS IN 1" PVC RGS CONDUIT ATTACHED TO STRUCTURE; SIZE AND QUANTITY OF CONDUCTORS AS INDICATED
- PROPOSED UNIT DUCT INSTALLED IN EARLIER CONSTRUCTION STAGE
- CONDUCTORS IN 1" PVC RGS CONDUIT ATTACHED TO STRUCTURE (EXISTING OR INSTALLED IN EARLIER CONSTRUCTION STAGE)



LIGHTING CONTROLLER "C115" STAGE 3 WIRING DIAGRAM
N.T.S.

LIGHTING CONTROLLER "C115" ROADWAY LIGHTING PANEL LOAD TABLE					
CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	20	4800	B	20	4800
C	16	3840	D	16	3840
E	6	1440	F	6	1440
G	6	1440	H	6	1440
I	--	--	J	--	--
K	--	--	L	--	--
M	--	--	N	--	--
O	--	--	P	--	--
Q	--	--	R	--	--
S	--	--	T	--	--
U	--	--	V	--	--
W	--	--	X	--	--
TOTAL	48	11520	TOTAL	48	11520

LOAD TABULATION IS BASED ON THE FOLLOWING:
 400W HPS LUMINAIRE: 2.0A AT 240V
 100W HPS UNDERPASS LUMINAIRE: 0.5A AT 240V

100 S. WACKER DR.
 SUITE 600
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4998
URS

FILE NAME = D160M62-SHT-E36.dgn	USER NAME = Anthony.Plutz	DESIGNED - MAE	REVISED -
SHT.PLAN	PLOT SCALE = 2.000000' / in.	DRAWN - WM	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - DAD	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 45 (LaGRANGE ROAD)
LIGHTING CONTROLLER "C115" STAGE 3 WIRING DIAGRAM**
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-5	COOK	778	360
E-36			CONTRACT NO. 60M62	
ILLINOIS FED. AID PROJECT				