



LIGHTING CONTROLLER "A" LOAD TABLE

CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A*	37.52	9005	B*	37.52	9005
C*	44.2	10609	D*	44.2	10609
E*	28.95	6947	F*	29.26	7022
G	31.5	7560	H	31.5	7560
I	21	5040	J	21	5040
K*	25.44	6107	L	21.94	5267
M	--	--	N	--	--
O	--	--	P	--	--
Q	--	--	R	--	--
S	21.86	5246	T	25.36	6086
U	--	--	V	--	--
W	--	--	X	--	--
TOTAL	210.47	50,514	TOTAL	210.78	50,589

NOTES:

- SEE DRAWING GE-1 FOR ELECTRICAL SYMBOL LIST AND ABBREVIATIONS. SEE DRAWING GE-2 FOR ELECTRICAL GENERAL NOTES AND SUGGESTED LIGHTING PHASING NOTES.
- CIRCUIT AND CABLE CALLOUTS ARE TYPICAL UNLESS NOTED OTHERWISE.
- BUCK-BOOST TRANSFORMERS INSIDE OF TOWER MOUNTED, SS, NEMA 4X JUNCTION BOX. SEE DRAWING RL4-1, NOTE 6 FOR TYPICAL BUCK-BOOST TRANSFORMER INFORMATION.
- AMPS COLUMN INCLUDES ADDITIONAL AMPERAGE ON PRIMARY SIDE OF BUCK-BOOST TRANSFORMERS.
- SEE IDOT STANDARD DRAWING BE-505c FOR HIGH MAST POLE WIRING DIAGRAM.
- CKTS. E&F: 3*2 & 1*4 GND. ECA.

LEGEND:

- EXISTING HIGH MAST LIGHT TOWER
750W HPS LUMINAIRE (TYP.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
- HIGH MAST TOWER DESIGNATION
- PROPOSED HIGH MAST LIGHT TOWER
750W HPS LUMINAIRE (TYP. U.N.O.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
- HIGH MAST TOWER DESIGNATION
12 120FT
13 130FT
- PROPOSED UNDERPASS LIGHTING UNIT
70W HPS LUMINAIRE (TYP. U.N.O.)
(BLACK PHASE - SOLID SYMBOLS,
RED PHASE - OPEN SYMBOLS)
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE DROP
- BUCK-BOOST TRANSFORMER ENCLOSURE

LOAD TABULATION IS BASED ON THE FOLLOWING:

750W HPS (HMT) LUMINAIRE: 3.5A AT 240V
70W HPS UNDERPASS LUMINAIRE: 0.43A AT 240V
* SEE NOTE 4

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FILE NAME =
D:\60F12-SHT-EW4-1.dgn

USER NAME = TKluagel
PILOT SCALE = 1/2"=1'-0"
PLOT DATE = 2/3/2011

DESIGNED - JLW
DRAWN - CJM
CHECKED - KMY
DATE - 2/4/11

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-55 AT ARSENAL ROAD
PROPOSED LIGHTING CONTROLLER "A" STAGE 4 SINGLE LINE DIAGRAM**

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-2HB-2B-1	WILL	756	412
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F12	