

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	*	COOK	283	141
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* 700-Y-R & 70HB-R-1				62897

KEY PLAN

ROADWAY LIGHTING LEGEND

- EXISTING ROADWAY LUMINAIRE TO BE RELABELLED
- RELOCATED EXISTING ROADWAY LUMINAIRE
- PROPOSED ROADWAY LUMINAIRE COMBINATION TRAFFIC SIGNAL
- PROPOSED UNDERPASS LUMINAIRE
- PROPOSED JUNCTION BOX
- PROPOSED LIGHTING CONTROLLER

PANEL SCHEDULE AND LOAD TABULATION
LIGHTING CONTROLLER AG
240/480 VAC, 1-PHASE, 3-WIRE

MAIN BREAKER: 175A

CIRCUIT	BREAKER TRIP AMPS	BLACK KW	RED KW	AMPS @ 240V
A	50	3.54	--	15
B	50	--	3.05	13
C	50	1.98	--	8
D	50	--	1.49	6
E	50	4.46	--	19
F	50	--	3.96	17
G	50	3.47	--	14
H	50	--	2.97	12
I	50	2.97	--	12
J	50	--	2.48	10
K	50	2.48	--	10
L	50	--	2.48	10
SPACE	--	--	--	--
SPACE	--	--	--	--
SPACE	--	--	--	--
SPACE	--	--	--	--
SUBTOTAL	--	18.89	16.41	--
TOTAL	--	35.30	--	147

4 PROPOSED LIGHTING CONTROLLER "AG"
SCALE: N.T.S.

1 PROPOSED ROADWAY LIGHTING SINGLE LINE DIAGRAM
SCALE: N.T.S.

3 PROPOSED UPRR UNDERPASS SINGLE LINE DIAGRAM
SCALE: N.T.S.

2 PROPOSED US-14 UNDERPASS SINGLE LINE DIAGRAM
SCALE: N.T.S.

- NOTES:
- PROPOSED CONTROLLER "AG", 480/240V, 1 PHASE, 3 WIRE, 200A
 - ALL ROADWAY LIGHTING CONDUCTORS ARE #4 COPPER, 600V RHH/RHW/EPR AND #6 GROUND
 - ALL UNDERPASS LIGHTING CONDUCTORS ARE #10 COPPER, 600V
 - FUSES FOR UNDERPASS CIRCUITS A AND B ARE LOCATED IN JUNCTION BOX.
 - ALL LIGHT POLES ARE FUSED AT BASE.
 - US-14 UNDERPASS LUMINAIRES ARE 100W HPS.
 - UPSS UNDERPASS LUMINAIRES ARE 70W HPS.

Rick Johns - District 01
 ID01 - District 01 - IL 68 over US 14
 02-05-1001-STV-03 - IL 68 over US 14
 P:02-05-1001-STV-03 - IL 68 over US 14
 11/27/2006 3:39:56 PM 1.0000 M / M.

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 68 AT U.S. ROUTE 14
ROADWAY LIGHTING
SINGLE LINE DIAGRAM

SCALE NONE
DATE NOVEMBER 2006

DRAWN BY R.P.J.
DESIGNED BY I.B.
CHECKED BY A.D.O.