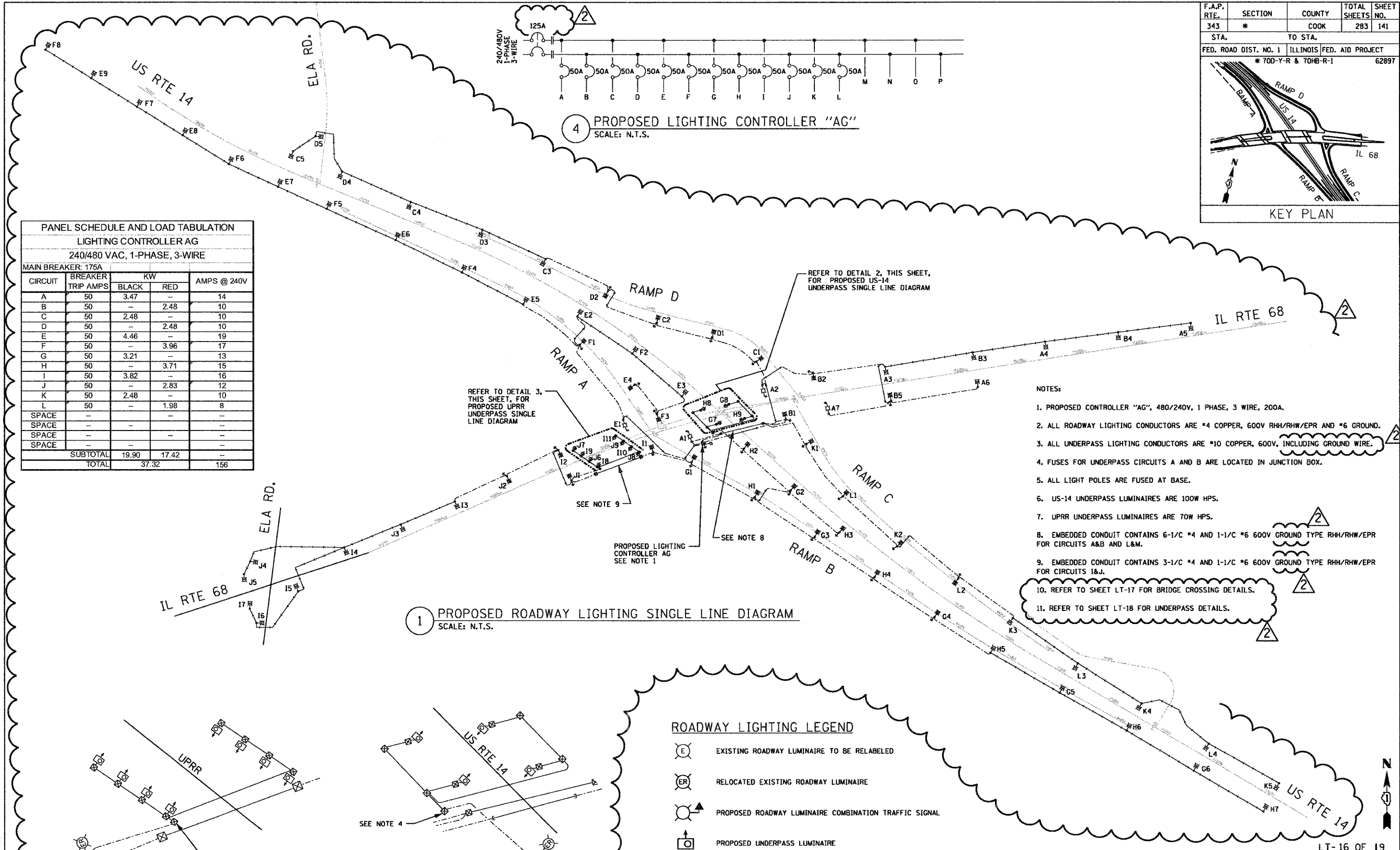


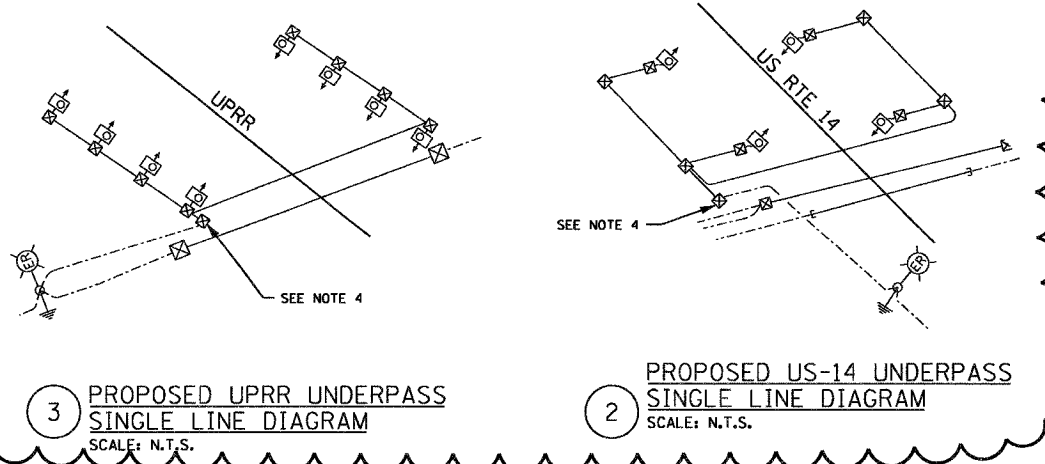
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	*	COOK	283	141
STA. TO STA.				
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* 700-Y-R & 704B-R-1		62897		

KEY PLAN

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	3.47	-	14
B	50	-	2.48	10
C	50	2.48	-	10
D	50	-	2.48	10
E	50	4.46	-	19
F	50	-	3.96	17
G	50	3.21	-	13
H	50	-	3.71	15
I	50	3.82	-	16
J	50	-	2.83	12
K	50	2.48	-	10
L	50	-	1.98	8
SPACE	-	-	-	-
SPACE	-	-	-	-
SPACE	-	-	-	-
SPACE	-	-	-	-
SUBTOTAL	-	19.90	17.42	-
TOTAL	-	37.32	-	156



- NOTES:
1. PROPOSED CONTROLLER "AG", 480/240V, 1 PHASE, 3 WIRE, 200A.
  2. ALL ROADWAY LIGHTING CONDUCTORS ARE #4 COPPER, 600V RHH/RHW/EPR AND #6 GROUND.
  3. ALL UNDERPASS LIGHTING CONDUCTORS ARE #10 COPPER, 600V, INCLUDING GROUND WIRE.
  4. FUSES FOR UNDERPASS CIRCUITS A AND B ARE LOCATED IN JUNCTION BOX.
  5. ALL LIGHT POLES ARE FUSED AT BASE.
  6. US-14 UNDERPASS LUMINAIRES ARE 100W HPS.
  7. UPRR UNDERPASS LUMINAIRES ARE 70W HPS.
  8. EMBEDDED CONDUIT CONTAINS 6-1/C #4 AND 1-1/C #6 600V GROUND TYPE RHH/RHW/EPR FOR CIRCUITS A&B AND L&M.
  9. EMBEDDED CONDUIT CONTAINS 3-1/C #4 AND 1-1/C #6 600V GROUND TYPE RHH/RHW/EPR FOR CIRCUITS I&J.
  10. REFER TO SHEET LT-17 FOR BRIDGE CROSSING DETAILS.
  11. REFER TO SHEET LT-18 FOR UNDERPASS DETAILS.



- 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

REVISIONS	
NAME	DATE
ADDENDUM 2	02/15/07

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.

Rick Johns - District 01  
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