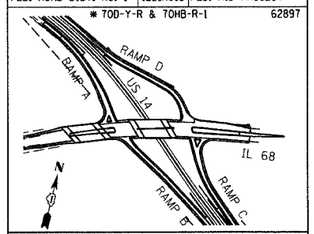
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	*	COOK	283	127
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* 70D-Y-R & 70HB-R-1 62897



KEY PLAN

GENERAL NOTES - ROADWAY LIGHTING

1. SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.

2. LIGHTING CIRCUITS SHALL BE WIRED IN ACCORDANCE WITH THE WIRING DIAGRAMS SHOWN IN THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.

3. THE COST OF NUTS AND WASHERS FOR MOUNTING LIGHT POLES ON NEW OR EXISTING CONCRETE FOUNDATIONS SHALL BE INCIDENTAL TO THE CONTRACT UNIT PRICE FOR THE LIGHT POLES.

4. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (DECORATIVE ROCKS, PLANTS, ETC).

5. EACH LIGHT POLE AND SHALL BE WIRED AS SHOWN IN THE SINGLE LINE DIAGRAM (SHEET LT-16).

6. NEW LIGHT POLE FOUNDATIONS SHALL BE SETBACK AS INDICATED ON THE ROADWAY PLANS. SETBACK SHALL BE MEASURED FROM THE EDGE OF THE TRAVELED PAVEMENT OR BACK OF BARRIER CURB TO THE NEAR FACE OF THE TRANSFORMER BASE.

7. ALL LIGHT POLE FOUNDATIONS TO BE CONSTRUCTED BY THIS CONTRACT SHALL BE CONCRETE.

8. BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY.

9. NOT USED.

10. ALL LUMINARIES FOR ROADWAY LIGHTING SHALL HAVE M-C-III DISTRIBUTION.

11. ABANDON EXISTING UNIT DUCTS IN PLACE, AND REMOVE CABLES AS SHOWN ON PLANS.

12. TRENCH CABLE RUNS SHALL BE IN A STRAIGHT LINE BETWEEN TERMINAL POINTS WHERE FEASIBLE. TO PREVENT EROSION OF EMBANKMENTS INVOLVING HIGH FILLS AND STEEP SIDE SLOPES, THE CONTRACTOR SHALL NOT TRENCH DIRECTLY FROM POLE TO POLE, RATHER, AS DIRECTED BE THE ENGINEER, THE TRENCH SHALL EXTEND FROM THE POLE STRAIGHT DOWN THE SIDE SLOPE, RUN ALONG THE TOE OF THE SLOPE, AND THEN STRAIGHT UP THE SIDE SLOPE TO THE NEXT POLE. THE CONTRACTOR WILL BE COMPENSATED FOR THIS ADDITIONAL UNIT DUCT AT ITS AGREED CONTRACT UNIT PRICE.

13. IN ACCORDANCE WITH SPECIFICATION M8030010 THE CONTRACTOR WILL BE PAID TO LOCATE APPLICABLE CABLE RUNS OF THE EXISTING LIGHTING SYSTEM THAT WILL REMAIN IN SERVICE DURING CONSTRUCTION AND UPON THE COMPLETION OF THIS PROJECT. THE CONTRACTOR SHALL NOT LOCATE ANY CABLE RUNS THAT ARE TO BE ABANDONED UPON THE COMPLETION OF THIS PROJECT. IN THE EVENT THE CONTRACTOR DISRUPTS A CABLE THAT IS TO BE ABANDONED BUT IS CURRENTLY SERVICING AN EXISTING LUMINAIRE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPLICING THE CABLE. IN THIS CASE PROPER WATERPROOF SPLICES BELOW GRADE WILL BE PERMITTED.

14. ALL NEW UNIT DUCT AND UNDERGROUND CONDUIT SHALL BE PLACED A MINIMUM OF MINIMUM OF 760MM (30") BENEATH THE GROUND SURFACE.

15. THE CONTRACTOR SHALL REQUEST A FORMAL MAINTENANCE TRANSFER BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE ELECTRICAL MAINTENANCE OFFICE AT (847) 221-3079.

16. ALL WORK SHALL CONFORM TO THE LATEST IDOT AND IDOT DISTRICT 1 STANDARDS, SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE.

176. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK.

18. ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED AND LABELED.

19. ALL CONDUITS SHALL BE SEALED.

20. ALL CIRCUIT WIRES SHALL BE LABELED WITH CIRCUIT IDENTIFICATION.

21. CIRCUITS SHALL BE TESTED PER SPECIFICATION.

22. ALL LAMPS SHALL BE FURNISHED AS PART OF THE CONTRACT.

23. THE LOCATIONS OF ALL PROPOSED EQUIPMENT ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.

24. ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.

25. THE LIGHTING SYSTEM VOLTAGE IS 240/480V, 1-PHASE, 3-WIRE. LUMINAIRE VOLTAGE IS 240V.

26. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRICAL SERVICE WORK.

27. TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRES.

28. INDEPENDENT TESTING OF LUMINAIRES IS REQUIRED WHEN THE QUANTITY INDICATED IN THE SUMMARY OF QUANTITIES IS 50 OR MORE FOR A GIVEN PAY ITEM. TESTING SHALL BE IN ACCORDANCE WITH ARTICLE 1067.01.A.7 OF THE STANDARD SPECIFICATIONS.

29. THE EXISTING LIGHTING CONTROLLER SHALL BE REPLACED IN APPROXIMATELY THE SAME LOCATION. THE NEW SERVICE CONDUCTORS SHALL BE 3-1/C, #3/0 RHH/RHW/EPR-USE MINIMUM IN 3" GALVANIZED STEEL CONDUIT.

30. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATIONS AND DATA PRIOR TO BIDDING. THE NEW CONTROLLER SHALL BE INSTALLED DURING CONSTRUCTION ON PHASE 2.

31. DURING STAGE 1A EXISTING AND TEMPORARY LIGHTING SHALL BE CONNECTED TO THE EXISTING CONTROLLER AG UNTIL THE NEW CONTROLLER AG IS OPERATIONAL.

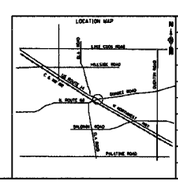
32. TEMPORARY LIGHTING SHALL REMAIN IN SERVICE UNTIL THE NEW PERMANENT LIGHTING SYSTEM IS OPERATIONAL.

33. THE CONTRACTOR SHALL RELABEL POLE NUMBERS ON RELOCATED POLES AND EXISTING POLES REMAINING IN PLACE INCIDENTAL TO THE RELOCATION ITEM IN ACCORDANCE WITH SHEET NO. LT-16.

34. CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING COMED LINES. CONTRACTOR SHALL PLAN HIS WORK CONSIDERING ComEd'S LINES TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.

35. PROPOSED LIGHTING CONTROLLER "AG" SHALL BE PER ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 STANDARD BE-215, DATED 2/15/2006. EXCEPT, AS PART OF THIS PAY ITEM, MAIN BREAKER SHALL BE 125A TRIP, 25,000 AMP INTERRUPTING RATING, CONTACTOR SHALL BE RATED AT 200A., AND SURGE ARRESTER SHALL BE PROVIDED. SURGE ARRESTER SHALL BE GE "TRANQUELL" CAT #9L15ECB001.

36. ALL GROUND MOUNTED LIGHT POLE FOUNDATIONS SHALL BE 750MM DIAMETER.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 68 AT U.S. ROUTE 14
ROADWAY LIGHTING
GENERAL NOTES

SCALE NONE
DATE NOVEMBER 2006

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

Rick Johns
IDOT - District 01
02-05-IDOT-STV-03 - IL 68 over US 14
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