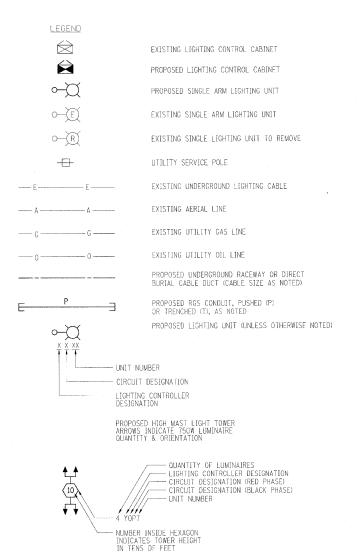
GENERAL NOTES:

- 1. THESE PLANS ARE WITHOUT A SURVEYED TOPOGRAPHY. TOPOGRAPHY SHOWN IS BASED ON AERIAL IMAGING AND OTHER SOURCES. ALL PROPOSED LIGHT POLE, LIGHTING CONTROLLER, AND PUSHED CONDUIT LOCATIONS SHALL BE STAKED IN THE FIELD AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- 2, UTILITY LOCATIONS SHOWN ON THESE PLANS ARE BASED ON RECORD DRAWINGS AND AERIAL IMAGES FURNISHED BY THE UTILITIES. THE CONTRACTOR SHALL OBTAIN CONSTRUCTION UTILITY LOCATES THROUGH THE JOINT UTILITY LOCATION AND INFORMATION EXCHANGE (JULIE) PRIOR TO ANY WORK BELOW GRADE.
- 3, THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S APPROVAL OF ANY ADJUSTMENTS TO THE LOCATION OF ANY EQUIPMENT NECESSITATED BY POTENTIAL CONFLICT WITH UNDERGROUND OR
- 4. THE CONTRACTOR SHALL OBTAIN A VERTICAL SURVEY OF THE ELECTRIC TRANSMISSION LINES THAT CROSS THE INTERSTATE WITHIN THE LIMITS OF IMPROVEMENT. LIGHT POLE AND TOWER LOCATIONS SHALL BE ADJUSTED TO CONFORM WITH UTILITY CLEARANCE REQUIREMENTS, AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- 5. UNDERGROUND OIL AND GAS PIPELINES CROSS UNDER THE INTERSTATE AT SEVERAL LOCATIONS. THE CONTRACTOR SHALL COORDINATE THE WORK IN THIS CONTRACT WITH THE UTILITIES AND THE ENGINEER IN THE FIELD. ADJUSTMENTS TO POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- 6. THE CONTRACTOR IS ENCOURAGED TO EXECUTE A VIDEO OR PICTORIAL RECORD OF THE WORK AREA AND DELIVER A COPY OF THIS RECORD TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. THIS WORK IS NOT REQUIRED AND WILL NOT BE PAID, BUT WILL AID IN ESTABLISHING THE EXTENT OF RESTORATION WORK TO BE REQUIRED OF THE CONTRACTOR.
- 7. GROUNDING ELECTRODES AND GROUNDING ELECTRODE CONDUCTORS SHALL BE INSTALLED ACCORDING TO CONTRACT DOCUMENTS. GROUNDING ELECTRODES AND GROUNDING ELECTRODE CONDUCTORS SHALL NOT BE EMBEDDED IN CONCRETE FOUNDATIONS. CONNECTIONS TO GROUNDING ELECTRODES AND ALL CONNECTIONS OUTSIDE OF LIGHT POLE SHAFTS AND LIGHTING CONTROLLERS SHALL BE EXOTHERMICALLY WELDED.
- 8. WARNING TAPE AS SPECIFIED IN THE CONTRACT DOCUMENTS SHALL BE INSTALLED AT A DEPTH OF 12 INCHES BELOW GRADE DIRECTLY ABOVE RACEWAYS THAT ARE PLOWED IN OR INSTALLED IN TRENCH, WARNING TAPE SHALL BE INSTALLED IN A SIMILAR POSITION ABOVE PUSHED OR DIRECTIONALLY BORED RACEWAYS WHERE NOT OBSTRUCTED BY STRUCTURES OR PAVEMENT. THIS WARNING TAPE INSTALLATION SHALL BE INCLUDED IN THE COST OF THE CONDUIT AND NOT PAID FOR SEPARATELY.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF FINISHED GRADE AND VEGETATION IN ALL WORK AREAS TO CONDITIONS SUBSTANTIALLY EQUAL TO THOSE BEFORE CONSTRUCTION WORK COMMENCED.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRIC UTILITY TO OBTAIN ELECTRIC SERVICE TO THE NEW LIGHTING CONTROLLERS.
- 11. LIGHT POLES AND TOWERS TO BE INSTALLED ON CONCRETE FOUNDATIONS SHALL NOT BE ERECTED UNTIL THE CONCRETE IS CURED AND HAS MET ALL OTHER REQUIREMENTS DEFINED IN THE CONTRACT DOCUMENTS, LIGHT POLES SHALL NOT BE ERECTED WITHOUT THE LUMINAIRES INSTALLED. LIGHT POLES INSTALLED WITHOUT LUMINAIRES SHALL NOT BE MEASURED OR PAID.
- 12. MATERIALS AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION. THE MORE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) SHALL BE CONSIDERED THE MINIMUM REQUIREMENT.
- 13. MATERIAL QUANTITIES ARE ESTIMATIONS ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL QUANTITIES PRIOR TO ORDERING MATERIAL.
- 14. THE CONTRACTOR SHALL COORDINATE WORK WITH OTHER CONTRACTORS WORKING WITHIN OR ADJACENT TO THE WORK AREA. TIME EXTENSIONS DUE TO CONFLICTS WITH OTHER CONTRACTS
  WILL NOT BE CONSIDERED IF COORDINATION EFFORTS THAT INCLUDED THE ENGINEER WERE NOT
- 15. EVERY CONDUCTOR SHALL BE IDENTIFIED AT EACH LIGHT POLE, LIGHT TOWER, JUNCTION BOX OR HANDHOLE, AND LIGHTING CONTROLLER.
- 16. CONTRACTOR SHALL VERIFY ANCHOR BOLT PATTERNS AND ORIENTATION PRIOR TO CONSTRUCTION OF FOUNDATIONS.
- 17. INFORMATION SHOWN REGARDING EXISTING LIGHTING SYSTEMS OR PROPOSED LIGHTING SYSTEMS TO BE INSTALLED BY OTHERS IS TAKEN FROM AERIAL SURVEYS, CONTRACT AND RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THIS INFORMATION BEFORE PROCEEDING WITH
- 18. ALL LIGHT POLES AND TOWERS, LUMINAIRES, AND LIGHTING CONTROLLERS REMOVED UNDER (HIS CONTRACT SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION WITHIN IDOT DISTRICT 1 TO BE SPECIFIED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND RETAINING A RECEIPT FOR ALL MATERIALS SO DELIVERED.

## GENERAL NOTES (CONT'D):

- 19. CONTRACTOR'S STAGING AREA SHALL BE AS DIRECTED BY THE ENGINEER IN THE PRE-CONSTRUCTION MEETING.
- 20. ALL LIGHT POLES SHALL BE INSTALLED ON FRANGIBLE SHORT TRANSFORMER BASES UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- 21. ALL PROPOSED LIGHT POLES SHALL HAVE A MINIMUM 20' SET BACK FROM EDGE OF TRAVELED PAVEMENT (EOP) UNLESS OTHERWISE NOTED.
- 22. SERVICE VOLTAGE IS 240/480V, 1 PH, 3 WIRE, LUMINAIRE BALLASTS SHALL BE CONNECTED AT
- 23. UNLESS OTHERWISE INDICATED, ALL ITEMS AND WORK SHOWN ON PLANS ARE PROPOSED NEW ITEMS OF WORK.
- 24. TRENCHES FOR ELECTRICAL WORK SHALL BE BACKFILLED WITH THE MATERIAL EXCAVATED
- 25. WHERE PROPOSED RACEWAYS CROSS EXISTING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL STAKE THE PROPOSED RACEWAY LOCATION AND INDICATE TO THE ENGINEER IF THE RACEWAY IS PROPOSED TO BE INSTALLED OVER, UNDER OR AVOID CROSSING THE DRAINAGE STRUCTURE.



## DRAWING LIST

| 1  | COVER   |
|----|---|
| 2  | GENERAL NOTES AND LEGEND AND DRAWING LIST                   |
| 3  | SUMMARY OF QUANTITES  |
| 4  | SINGLE LINE DIAGRAM, LIGHTING CONTROLLER E                  |
| 5  | SINGLE LINE DIAGRAM, LIGHTING CONTROLLER D                  |
| 6  | SINGLE LINE DIAGRAM, LIGHTING CONTROLLER M                  |
| 7  | SINGLE LINE DIAGRAM, LIGHTING CONTROLLER B                  |
| 8  | SINGLE LINE DIAGRAM, LIGHTING CONTROLLER A                  |
| 9  | SINGLE LINE DIAGRAM, LIGHTING CONTROLLER Z                  |
| -  | SINGLE LINE DIAGRAM, LIGHTING CONTROLLER Y                  |
| 11 | SINGLE LINE DIAGRAM, LIGHTING CONTROLLER X                  |
|    | I-57 PROPOSED LIGHTING PLAN, SOUTH LIMIT TO STA. 1195+00    |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1195+00 TO 1207+00        |
|    | I-57 PROPOSED LIGHTING PLAN, STA, 1207+00 TO 1220+00        |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1220+00 TO 1250+00        |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1250+00 TO 1280+00        |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1280+00 TO 1310+00        |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1310+00 TO 1340+00        |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1310-100 TO 1340-100 (SB) |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1340+00 TO 1355+00 (NB)   |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1355+00 TO 1335+00 (ND)   |
|    | I-57 PROPOSED LIGHTING PLAN, STA, 1358+00 TO 1368+00        |
|    |   |
|    | I-57 PROPOSED LIGHTING PLAN, STA. 1398+00 TO 1428+00        |
| 24 | I-57 PROPOSED LIGHTING PLAN, STA. 1428+00 TO 1458+00        |

I-57 PROPOSED LIGHTING PLAN, STA. 1458+00 TO 1488+00 I-57 PROPOSED LIGHTING PLAN, STA. 1488+00 TO 40+00 (2) I-57 PROPOSED LIGHTING PLAN, STA. 40+00 (2) TO 70+00 (2)

I-57 PROPOSED LIGHTING PLAN, STA. 70+00 (2) TO 100+00 (2) I 57 PROPOSED LIGHTING PLAN, SAUK TRAIL SB RAMPS I-57 PROPOSED LIGHTING PLAN, SAUK TRAIL NB RAMPS

I-57 PROPOSED LIGHTING PLAN, STA. 130+00 (2) TO 153+00 (2) SOUTHBOUND SIDE OR I-57 AT U.S. 30, STA. 153+00 (2) TO 166+00 (2) (SOUTHWEST QUADRANT)

NORTHBOUND SIDE OR I-57 AT U.S. 30, STA. 153+00 (2) TO 166+00 (2) (SOUTHEAST QUADRANT) LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX TYPE, WITH SCADA, 1 OF 4

LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX TYPE, WITH SCADA, 2 OF 4 LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX TYPE, WITH SCADA, 3 OF 4 LIGHTING CONTROLLER, RADIO CONTROL, DUPLEX TYPE, WITH SCADA, 4 OF 4

ELECTRIC SERVICE INSTALLATION DETAILS AERIAL, REMOTE DISCONNECT

I-57 PROPOSED LIGHTING PLAN, STA. 100+00 (2) TO 130+00 (2)

LIGHT POLE FOUNDATION, METAL ALUMINUM LIGHT POLE, 47' - 6" (14.478 m) MOUNTING HEIGHT

CONDUIT AND JUNCTION BOX ATTACHED TO BRIDGE STRUCTURE DETAIL
HIGH MAST LIGHT TOWER, 90 FT TO 120 FT, (27 m TO 36 m) FOUNDATION DETAIL, 1 OF 2
HIGH MAST LIGHT TOWER, 90 FT TO 120 FT, (27 m TO 36 m) FOUNDATION DETAIL, 2 OF 2

HIGH MAST LIGHT TOWER DETAIL, 1 OF 3 HIGH MAST LIGHT TOWER DETAIL, 2 OF 3

HIGH MAST LIGHT TOWER DETAIL, 3 OF MISCELLANEOUS ELECTRICAL DETAILS, SHEET A FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS

49A TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

## ABBREVIATIONS

JB - JUNCTION BOX

SCALE:

kW - KILOWATT A - AMPERES AC - ALTERNATING CURRENT NB - NORTHBOUND A/C - AFRIAL CABLE P - PROPOSED ATS - ATTACHED TO STRUCTURE PH - PHASE AWG - AMERICAN WIRE GAUGE PVCC - POLYVINYL CHLORIDE COATED C - CONDUIT, CONDUCTOR R - EXISTING UNIT TO BE REMOVED CK1 - CIRCUIT RGS - RIGID GALVANIZED STEEL DIA - DIAMETER SR - SOLITHBOLIND E - ELECTRICAL, EXISTING UNIT TO REMAIN SS - STAINLESS STEEL EOP - EDGE OF TRAVELED PAVEMENT STA - STATION GND - GROUND UD - UNIT DUCT

|  | FILE NAME = | USER NAME = \$USER\$   | DESIGNED - | REVISED - |  |  |
|--|-------------|------------------------|------------|-----------|--|--|
|  | \$FILEL\$   |                        | DRAWN -    | REVISED - |  |  |
|  |             | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |  |  |
|  |             | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |  |  |

| STATE      | OF | ILLINOIS       |
|------------|----|----------------|
| DEPARTMENT | 0F | TRANSPORTATION |

| I-57 LIGHTING PROJECT                   | F.A.I<br>RTE. | SECTION           | COUNTY     | TOTAL<br>SHEETS | SHEET<br>NO. |
|---|---------------|-------------------|------------|-----------------|--------------|
| GENERAL NOTES, LEGEND AND DRAWING LIST  |               | 2008-082L         | COOK/WILL  | 49              | 2            |
| GENERAL MOTES, LEGEND AND DIRAWING LIST |               |                   | CONTRACT   | NO. 6           | 0F84         |
| CHEET NO OF CHEETS STA TO STA           |               | THE INOTE SEED AT | D DDO IECT |                 |              |

V - VOLT