

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	TAZEWELL	1366	1211
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (90-11)R-2; 90(13, 14, 14-1)R-1				
CONTRACT NO. 68201				

INDEX OF DRAWINGS

SHT. No.	SHEET NAME
1	INDEX, GENERAL ELECTRICAL AND CONSTRUCTION NOTES
2	BILL OF MATERIALS
3	ELECTRICAL LEGEND
4	LIGHTING CRITERIA
5	POLE AND LUMINAIRE SCHEDULE
6-10	PROPOSED LIGHTING PLAN W.B. I-74 STA. 152+750 TO STA. 154+500
11-12	PROPOSED LIGHTING PLAN N. MAIN ST.
13	BRIDGE LIGHTING PLAN RAMP K-2 OVER N. MAIN ST.
14-15	BRIDGE LIGHTING PLAN W.B. I-74 OVER N. MAIN ST.
16	BRIDGE LIGHTING PLAN RAMP K-2 OVER RAMP J-3
17	BRIDGE LIGHTING PLAN W.B. I-74 OVER CAMP ST.
18-19	BRIDGE LIGHTING PLAN W.B. I-74 OVER WASHINGTON ST.
20-21	WIRING PLAN W.B. I-74
22	WIRING PLAN N. MAIN ST.
23-24	WIRING SCHEMATICS
25-26	LIGHTING REMOVAL PLAN W.B. I-74 STA. 152+400 TO STA. 154+800
27	LIGHTING REMOVAL PLAN N. MAIN ST.
28	ELECTRIC SERVICE INSTALLATION AND TRENCH DETAIL
29	PROPOSED LIGHTING CONTROLLER WIRING AND DETAILS TYPE CB-RCS-200 (TYPE CB-RCS-100)
30	LIGHTING DETAILS
31-32	MISCELLANEOUS LIGHTING DETAILS
33	MISCELLANEOUS UNDERPASS LIGHTING DETAILS
34	MISCELLANEOUS HIGH MAST POLE AND LUMINAIRE DETAILS
35	LIGHT TOWER FOUNDATION (TYPE 2 IN-FIELD)
36	LIGHT TOWER FOUNDATION NOTES AND ANCHOR BOLT DETAILS
37-41	LIGHT TOWER FOUNDATION SOIL BORINGS

GENERAL ELECTRICAL NOTES:

- ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
- CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND TYPE OF UTILITIES IN AREAS TO BE EXCAVATED PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL HAND EXCAVATE AS REQUIRED IN ORDER TO NOT INTERRUPT ANY EXISTING SERVICES. IF IN PERFORMING WORK DAMAGE TO EXISTING UTILITIES OCCURS, CONTRACTOR SHALL NOTIFY UTILITY IMMEDIATELY AND PAY ANY COST INCURRED FOR REPAIR OR REPLACEMENT.
- ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
- BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD UTILITIES CALL MR. DANIEL C. BRIGHT OF CILCO AT 309-693-4721 FOR LOCATION APPROVAL.
- CONDUIT MUST BE PUSHED UNDER ROADWAYS, DRIVEWAYS AND SIDEWALKS, CONDUIT MUST BE PUSHED PAST TREES IF THE ENGINEER DETERMINES THAT TRENCHING MAY HARM THE TREES. ALL OTHER CONDUIT MAY BE INSTALLED BY ANY METHOD APPROVED BY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING STATE OWNED LIGHTING AND/OR TRAFFIC SIGNAL UTILITIES WITHIN THE LIMITS OF THE CONTRACT.
- ALL STATE OWNED LIGHTING EQUIPMENT REMOVED UNDER THIS CONTRACT SHALL BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT FOUR, BUREAU OF OPERATIONS, AT 6500 WEST ROUTE 150, EDWARDS, ILLINOIS.

CONSTRUCTION NOTES:

- CONDUIT SHALL BE 75MM PVC. SCHED. 40, UNLESS OTHERWISE NOTED.
- ALL CONDUIT CROSSING ROADWAYS SHALL BE 75MM PVC. SCHED. 80.
- THE GROUND CONDUCTOR SHALL HAVE NO SPLICE OR KINKS BELOW GRADE, IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE AND TO THE GROUND ROD AT THE SERVICE INSTALLATION.
- ALL POLES AND THE STREET LIGHT CONTROLLERS SHALL BE CONNECTED TO A CONTINUOUS GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL CONDUCTOR 600V. XLP (SIZE AS INDICATED ON THE PLANS). THIS CONDUCTOR SHALL BE PLACED INSIDE THE CONDUIT ALONG WITH THE INSULATED CABLES.
- SUFFICIENT LENGTH OF ELECTRICAL CONDUCTOR SHALL BE INSTALLED IN HANDHOLES AND IN LIGHT STANDARDS TO PROVIDE ADEQUATE SLACK SO THAT ELECTRICAL CONDUCTOR MAY BE PULLED 18" MINIMUM OUT FROM THE EQUIPMENT. SAID SLACK SHALL BE NEATLY COILED AND PLACED IN THE HANDHOLES.
- THE EXISTING CONCRETE FOUNDATION SHALL BE REMOVED TO A DEPTH AT LEAST 0.6 METER BELOW THE ADJACENT GRADE AND DISPOSED OF OUTSIDE THE RIGHT-OF-WAY. THE HOLE SHALL THEN BE BACKFILLED WITH APPROVED MATERIALS AND RECONSTRUCTED TO MATCH THE ADJOINING AREA. COMPACTION SHALL BE BY A METHOD APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE A 5mm (3/16") POLY PULL-LINE THROUGH EACH PVC CONDUIT IN WHICH NO CONDUCTORS ARE PLACED IN THIS CONTRACT. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE PRICE FOR THE CONDUIT OF THE TYPE SPECIFIED.
- ALL MEDIAN BARRIER WALL JUNCTION BOXES AND HIGH MAST TOWER HANDHOLES WILL BE FACING THE EASTBOUND SIDE OF THE MAINLINE.
- ALL NON-METALLIC JUNCTION BOXES EMBEDDED IN THE MEDIAN BARRIER WALL AND PARAPET WALLS SHALL BE CONSTRUCTED FROM POLYMER CONCRETE AS SPECIFIED IN ARTICLE 1088.05.
- JUNCTION BOXES OF "SLIGHTLY" DIFFERENT SIZES THAN THOSE SPECIFIED ON THE PLANS MAY BE USED WHEN APPROVED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.
- CONDUIT BENDS SHALL HAVE A MINIMUM RADIUS OF 1 METER.

M:\proj\1557\LIGHTING\4-Contract\111100-7a-INDEX.dgn

12/20/2004 12:44:05 PM

LIGHTING SHEET 1 OF 41

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		INDEX, GENERAL ELECTRICAL AND CONSTRUCTION NOTES

ab alfred benesch & company
CONSULTING ENGINEERS
205 NORTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60601

DATE: 12/20/04

DRAWN BY DJK
CHECKED BY MKR