06-13-14 LETTING ITEM 238 INDEX OF SHEETS

1. COVER SHEET

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- 2. CONSTRUCTION NOTES
- 3. SUMMARY OF QUANTITIES
- 4.-5. I-74 & STERLING AVENUE LOCATION DETAILS
- 6,-7, I-74 & US 150 (WAR DR.) LOCATION DETAILS
 - 8. I-74 & RIVERFRONT DR. LOCATION DETAIL
 - 9. TYPICAL FOUNDATION REMOVAL AND REPLACEMENT DETAIL
- 10. LIGHT TOWER FOUNDATION DETAIL
- 11. LIGHT TOWER ANCHOR BOLT DETAIL

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAI 74 (I-74) FAP 317 (US 150) SECTION 72[(7,9)I-4;8-I-6];10-I PEORIA-TAZEWELL COUNTIES

C-94-087-14

HIGHWAY STANDARDS

REFER TO SHEET NUMBER 2 FOR LIST OF HIGHWAY STANDARDS

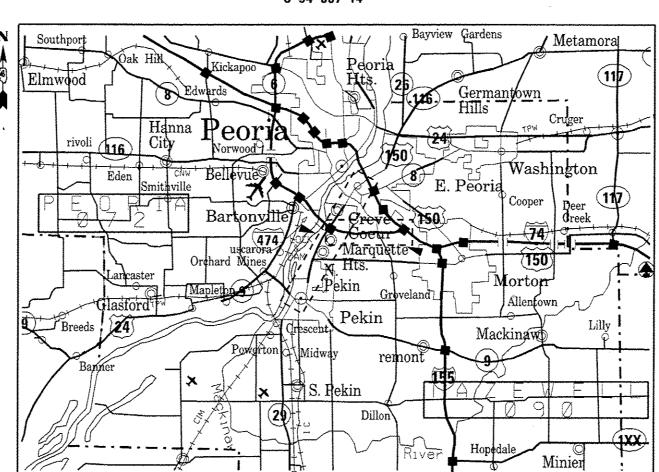
PROJECT DESCRIPTION

REPAIR AND REPLACEMENT OF HIGH MAST LIGHT TOWER FOUNDATIONS, INSTALLATION OF ELECTRICAL CABLING AND JUNCTION BOXES, AND INSTALLATION OF EXISTING LIGHT TOWERS IN PEORIA AND TAZEWELL COUNTIES

J.U.L.L.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

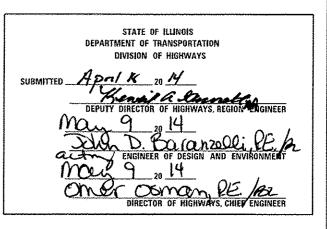
PROJECT ENGINEER: ERIC HOWALD (309) 671–4481 PROJECT MANAGER: RANDY LANINGA (309) 671–4477

CATALOG NO. 35121-00D CONTRACT NO. 68B88



D-94-030-14





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONSTRUCTION NOTES

- 1. ANY MAINTENANCE OF EXISTING LIGHTING WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- 2. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- 4. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
- 5. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
- 6. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873,04.
- 7. JALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202,03 OF THE STANDARD SPECIFICATIONS.
- 8. THE EXISTING LIGHT POLES HAVE BEEN REMOVED (AS ONE PIECE) AND ARE STORED ON SITE AT EACH LOCATION. THE CONTRACTOR SHALL PERFORM ALL WORK OPERATIONS IN A MANNER TO PREVENT DAMAGE TO THE LIGHT TOWERS AND LUMINAIRE RINGS.
- 9. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY WIRING AT EACH LOCATION AS REQUIRED TO MAINTAIN OPERATION OF THE LIGHTING CIRCUIT DURING CONSTRUCTION.

TRAFFIC CONTROL NOTES

- 1. TRAFFIC SHALL BE MAINTAINED ON THE ASSOCIATED ROADWAYS AT ALL TIMES DURING CONSTRUCTION.
- 2. AT THE US 150 (WAR MEMORIAL DRIVE) LOCATION, THE CONTRACTOR SHALL SCHEDULE THE HIGH MAST TOWER INSTALLATION DURING A SATURDAY MORNING BETWEEN THE HOURS OF 6AM TO 12PM.
- 3. AT ALL OTHER LOCATIONS, THE CONTRACTOR SHALL SCHEDULE THE HIGH MAST TOWER INSTALLATIONS ON MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 8:30AM AND 3:30PM. IN THE EVENT THAT THE CONTRACTOR ELECTS TO SCHEDULE INSTALLATION OF THESE LIGHT TOWERS DURING NON-PEAK HOURS OR WEEKENDS, THE CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH WORKING DURING THESE TIME PERIODS IN THE BID PRICE FOR "LIGHT TOWER. INSTALL ONLY". THERE WILL BE NO ADDITIONAL COMPENSATION FOR SHIFT DIFFERENTIALS AND PREMIUM TIME HOURS.
- 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FORTY-EIGHT (48) HOURS BEFORE THE TIME OF A PLANNED CLOSURE.

HIGHWAY STANDARDS

701001-02

701006-05 701101-04 701106-02 701301-04 701400-07 701406-08 701411-08 701428 701456-03 701601-09

701901-03

701451-02

COMMITMENTS: THERE ARE NO COMMITMENTS MADE IN CONJUNCTION WITH THIS PROJECT.

LEGEND

• EX. HIGH MAST LIGHT TOWER

• EX. LIGHT POLE

EX. LIGHTING CONTROLLER

LIGHT TOWER DESIGNATION

6 FG

L-O4

6 - DENOTES NUMBER OF
LUMINAIRES ON TOWER

E - DENOTES LIGHTING CONTROLLER

FG - DENOTES LIGHTING CIRCUIT

L-O4 - DENOTES LIGHT ON CIRCUIT

DIAGRAM

SCALE:

<u> </u>			
FILE NAME :	USER HAME I keithbr	DESIGNED	REVISED
68888 - High Mest Lighting Repair (Final	4-14-14) .dgn	DRAWN	REVISED
•	PLOT SCALE + 164,7558 1/ 10.	CHECKED	REVISED
1	PLOY DATE # 4/18/2014	DATE -	REVISED -

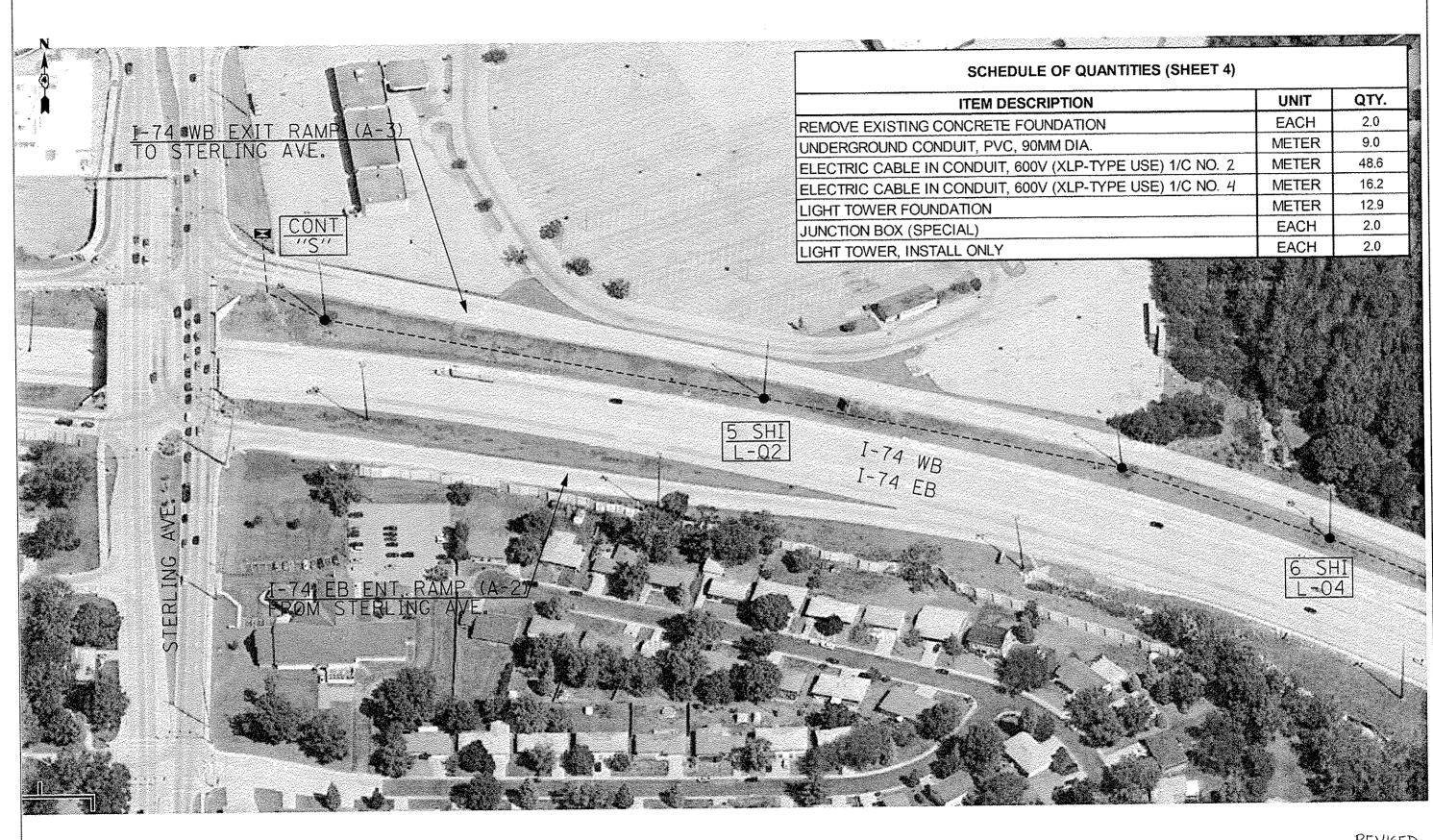
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	FAL/FAP RTE.	SECTION	EOUNTY	TOTAL S	HEE'
COMMITMENTS AND CONSTRUCTION NOTES	74/150	72[(7,9)]-4;8-[-6];10-[PEORIA-TAZEWELL	. 11	2
			CONTRACT	NO. 68E	388
STATO STA		ILLINDIS FED.	AID PROJECT		

			PEORIA COUNTY	TAZEWELL COUNTY	
	SUMMARY OF QUANTITIES		URBAN	CONST. TYPE CODE	CONST. TYPE CODE
CODE NUMBER	ITEM DESCRIPTION	TOTAL QTY.	0021 100% STATE CONTRACT MAINTENANCE URBAN	0021 100% STATE CONTRACT MAINTENANCE URBAN	
67100100	MOBILIZATION	L SUM	1.0	0.75	0.25
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4.0	3.0	1.0
M8101374	UNDERGROUND CONDUIT, PVC, 90MM DIA.	METER	18.0	13.5	4.5
M8170050	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	32.4	24.3	8.1
M8170060	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	97.2	72.9	24.3
M8370100	LIGHT TOWER FOUNDATION	METER	32.0	22.6	9.4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.75	0.25
X8130110	JUNCTION BOX (SPECIAL)	EACH	4.0	3.0	1.0
X8350100	LIGHT TOWER, INSTALL ONLY	EACH	4.0	3.0	1.0
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FILE NAME :	USER HAME = haithbr	DESIGNED -	REVISED		i i	FAI/FAP SECTION COUNTY SHEETS NO.
\$8888 - High Most Lighting Repair (Final)	1-19-14) .dgn	DRAWN	REVISED	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	74/150 72((7,9)1-4;8-1-6);10-1 PEORIA-TAZEWELL 11 3
	PLOT SCALE * 164.7568 ' / 10.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 68888
	PLOT DATE * 4/18/2014	DATE -	REVISED		SCALE: TO STA	ILLINOIS FED. AID PROJECT



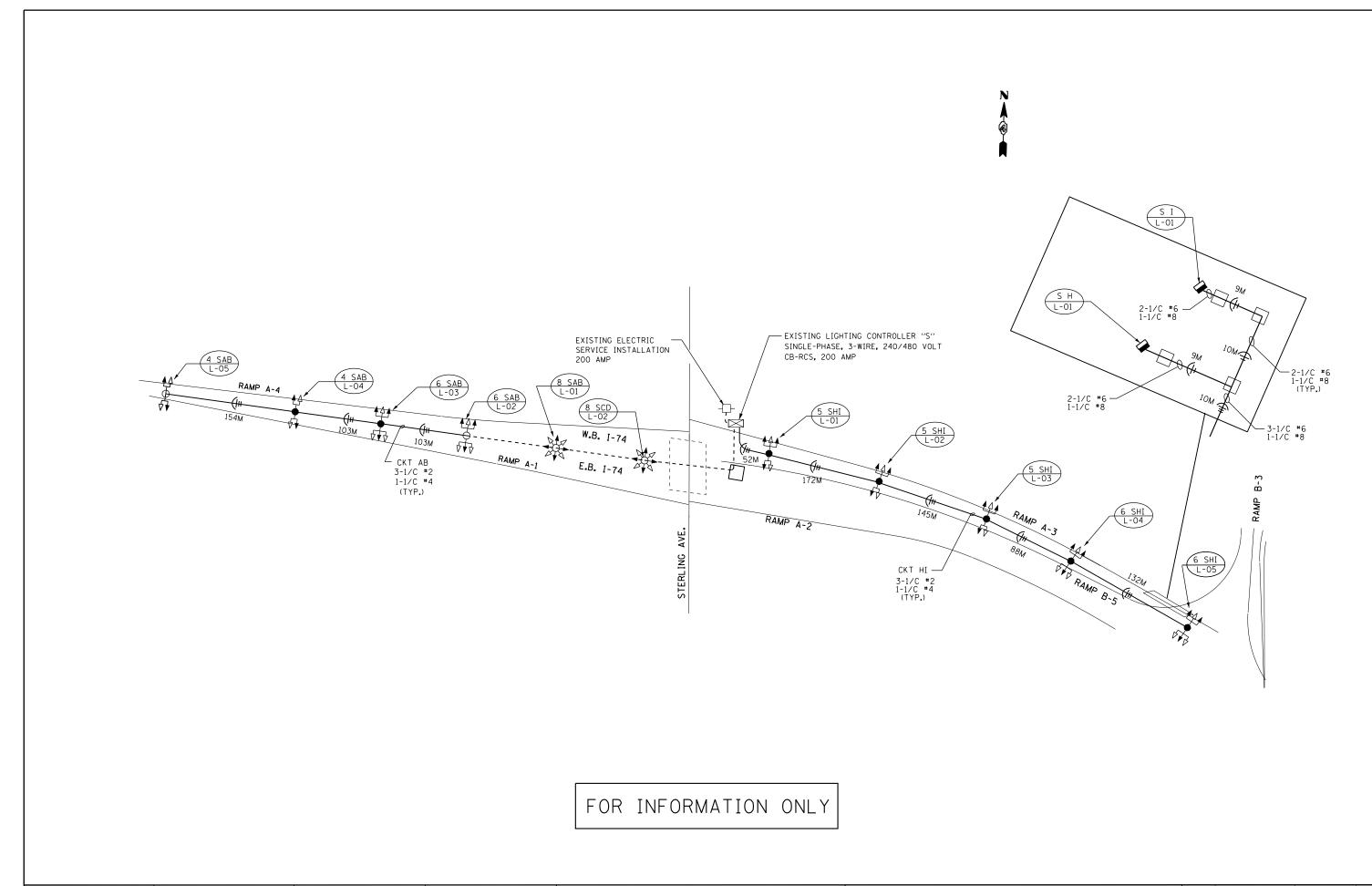
REVISED

- 1	1			
1	FILE NAME .	USER NAME = kerende	DESIGNED	REVISED
	58888 - High Heat Lighting Report (Finel)	4-19-141 dgn	DRAWN	REVISED
		PLOT SCALE = 164.7568 ' / 10,	CHECKED	REVISED
1	i		DATE	REVISED -

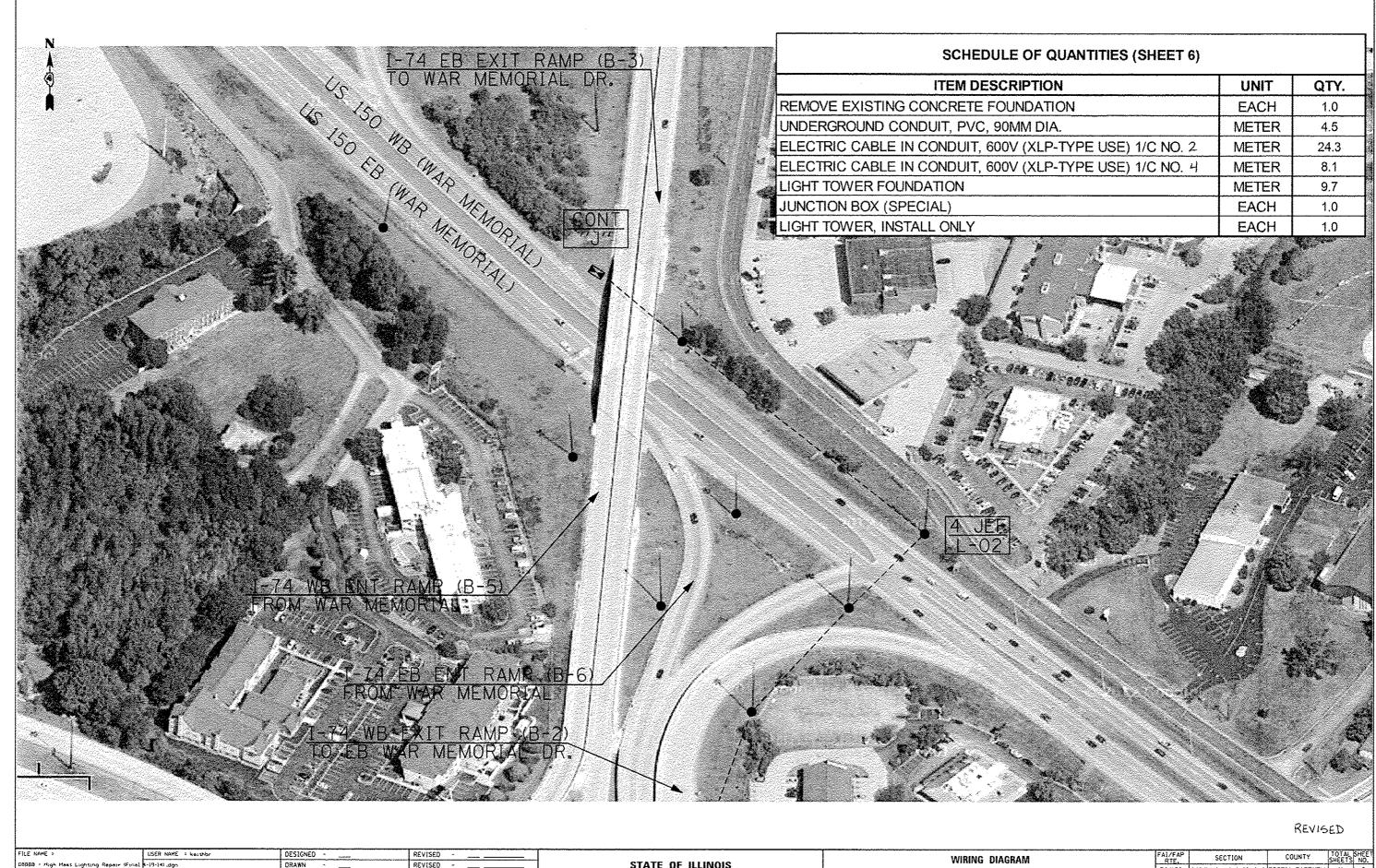
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT	TOWER	FOUNDAT	ION	REPL	CEMEN	ίΤ	
1-74 &	STERLING	AVENUE	WB	EXIT	RAMP	A-3	
			Ts	ΤΔ.		TO STA.	

AI/FAP	SECTION	COUNTY	SHEETS	NO.
74/150	72((7,9)1-4:8-1-63:10-1	PEORIA-TAZEWELL	11	4
	h	CONTRACT	NO. 68	B88
	ILLINOIS FEO.	AID PROJECT		



FILE NAME =	USER NAME = keithbr	DESIGNED	REVISED -			EXISTING WIRING DIAGRAM	FAI/FAP RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
68B88 - High Mast Lighting Repair (Final	4-19-14) .dgn	DRAWN	REVISED	STATE OF ILLINOIS		I–74 & STERLING AVENUE			PEORIA-TAZEWEL	LL 11 5
<u> </u>	PLOT SCALE = 164.7568 ' / in.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION		I-74 & SILILING AVENUE			CONTRACT	T NO. 68B88
	PLOT DATE = 4/18/2014	DATE	REVISED		SCALE:	STA TO STA		ILLINOIS FED.	AID PROJECT	

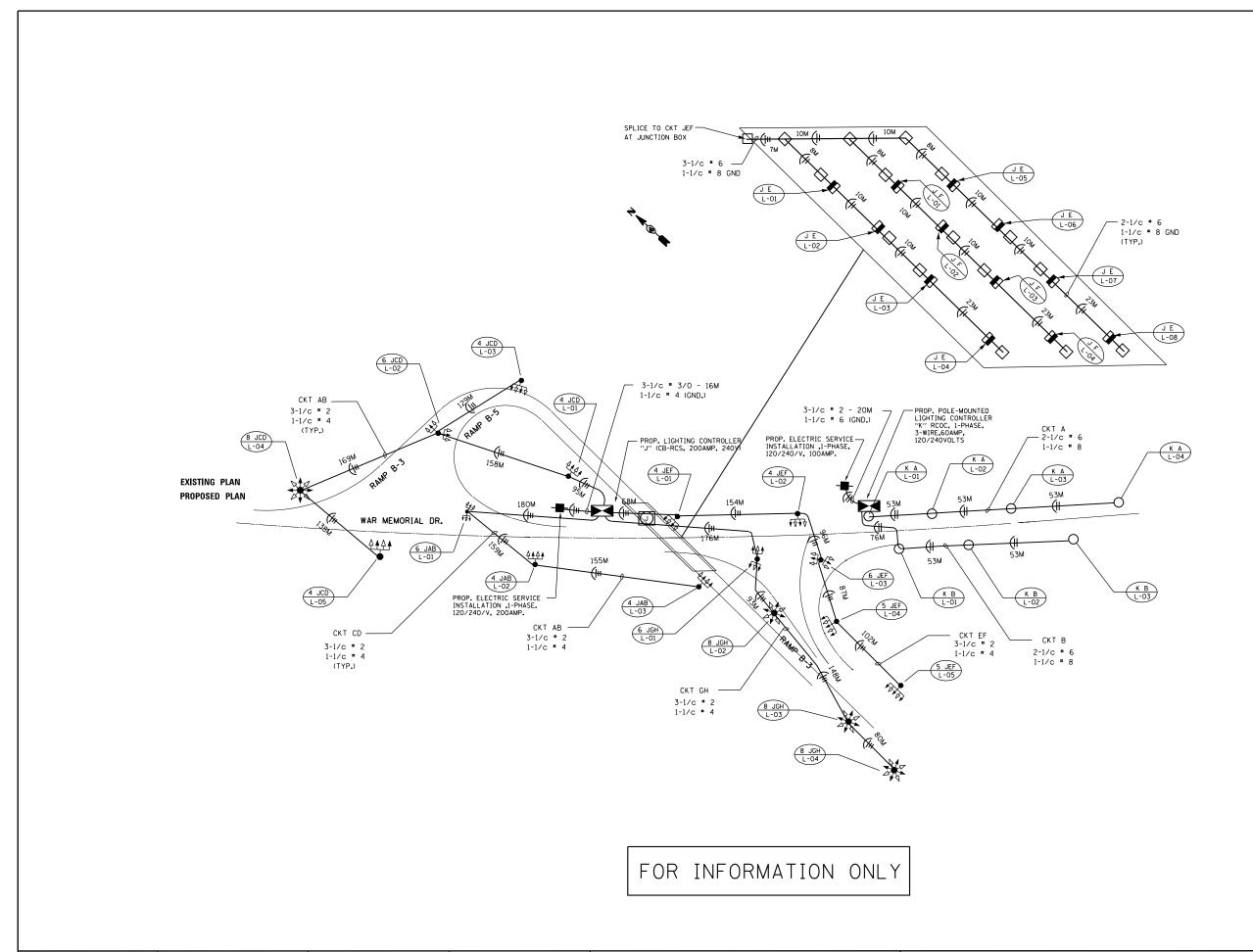


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68888 - High Mast Lighting Repair (Final	1-19-14) .dgn	DRAWN	REVISEO
	PLOT SCALE + 164,7568 1/ 10.	CHECKED	REVISED
	PLOT CATE . 4/18/2814	DATE -	REVISED

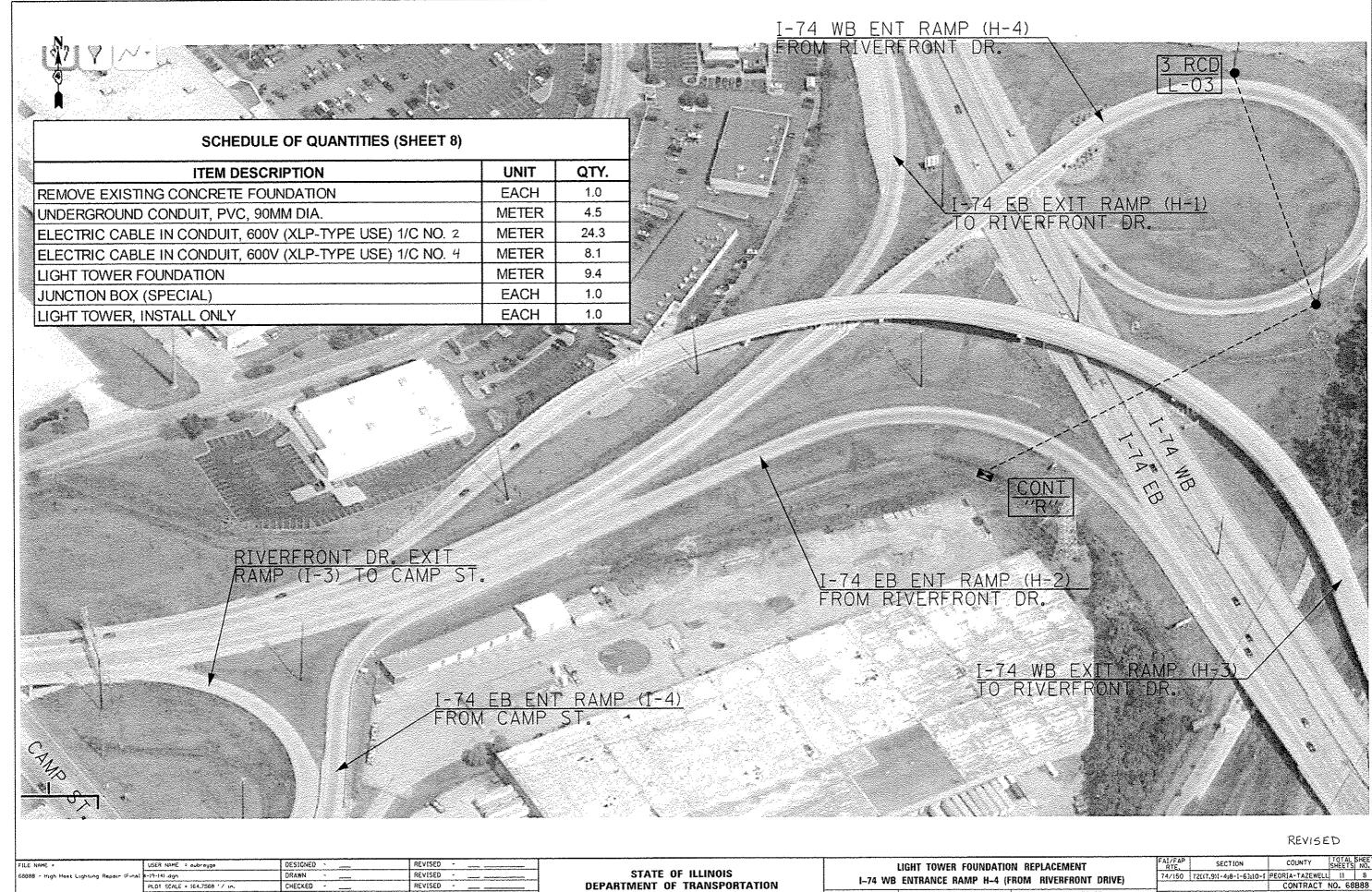
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

1	W	RING DIAG	RAM	
1-74	&	STERLING	AVENUE	
 			STA.	

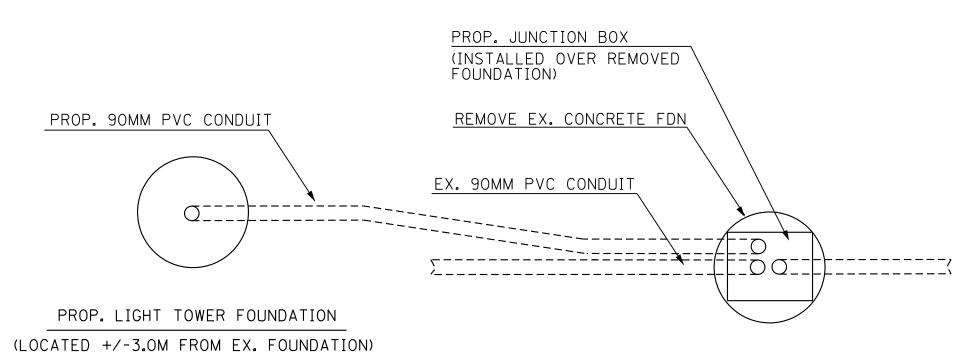
FAI/FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/150	72((7,9)1-4;8-1-6);10-1	PEORIA-TAZEWELL	11	6
		CONTRACT	VO. 68	B88
	ILLINOIS FED.	AID PROJECT		



FILE NAME =	USER NAME = aubreygs	DESIGNED	REVISED			EXISTING WIRING DIAGRAM	FAI/FAP SECTION	COUNTY	TOTAL SHEET
68B88 - High Mast Lighting Repair (Final 4	1-19-14) .dgn	DRAWN	REVISED	STATE OF ILLINOIS			74/150 72[(7.9)[-4:8-[-6]:10)-I PEORIA-TAZEWE	ELL 11 7
	PLOT SCALE = 164.7568 ' / in.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION		I–74 & US 150 (WAR MEMORIAL)		CONTRACT NO. 68B88	
	PLOT DATE = 4/18/2014	DATE	REVISED		SCALE:	STA TO STA	ILLINOIS F	ED. AID PROJECT	



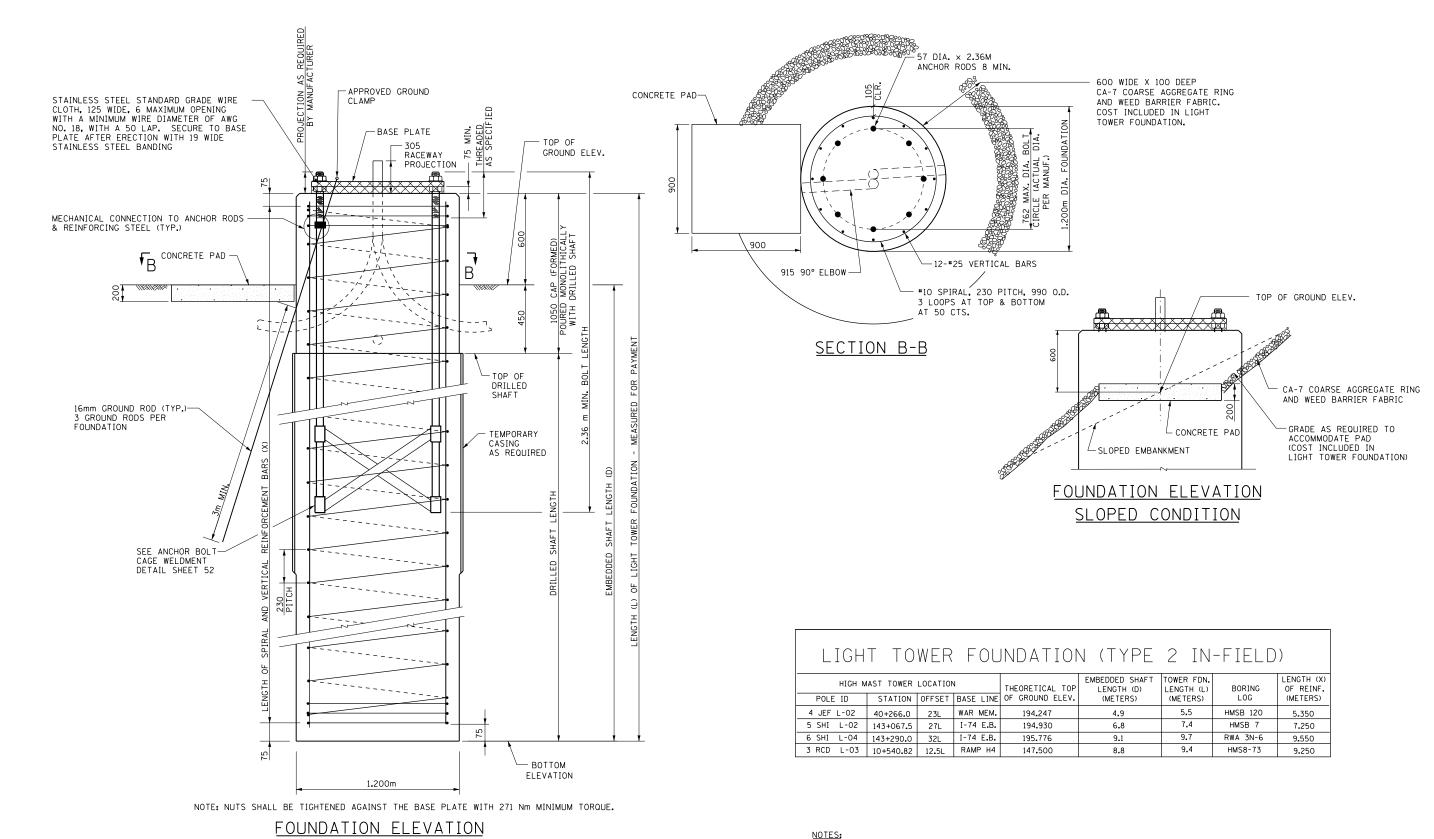
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	PLOT SCALE < 164.7560 '/ in.	CHECKED	REVISED
	91.0T DATE 3.4/19/2014	DATE	REVISED -



EX. LIGHT TOWER FOUNDATION

- 3 FT. PARTIAL REMOVAL DEPTH
- ALL CONDUITS TO BE ORIENTED AT 90 DEGREES UP INSIDE JUNCTION BOX
- SPLICE PROPOSED WIRING INTO EX. LIGHTING CIRCUIT INSIDE JUNCTION BOX

FILE NAME =	USER NAME = aubreygs	DESIGNED	REVISED		TYPICAL FOUNDATION REPLACEMENT DETAIL		FAI/FAP SECTION COUNTY	TOTAL SHEE
68B88 - High Mast Lighting Repair (Final	4-19-14) .dgn	DRAWN	REVISED	STATE OF ILLINOIS			74/150 72[(7.9)]-4:8-I-6]:10-I PEORIA-TAZEW	511EE 1 5 1101
	PLOT SCALE = 164.7568 '/ in.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 68B88	
	PLOT DATE = 4/18/2014	DATE	REVISED		SCALE:	STA TO STA	ILLINOIS FED. AID PROJECT	



THE COST OF THE GROUND RODS AND GROUND ROD CLAMPS SHALL BE INCLUDED IN THE LIGHT TOWER FOUNDATION PAY ITEM. THREE GROUND RODS ARE REQUIRED AT EACH LOCATION.

FILE NAME =	USER NAME = aubreygs	DESIGNED	REVISED		LIGHT TOWER FOUNDATION DETAIL (TYPE 2 IN—FIELD)		FAI/FAP S	ECTION COUNTY	TOTAL SHEET
68B88 - High Mast Lighting Repair (Final	4-19-14) .dgn	DRAWN	REVISED	STATE OF ILLINOIS			74/150 72[(7.9)]	-4:8-I-6]:10-I PEORIA-TAZEW	WELL 11 10
	PLOT SCALE = 164.7568 '/ in.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 68B88		CT NO. 68B88
	PLOT DATE = 4/18/2014	DATE	REVISED		SCALE:	STA TO STA		ILLINOIS FED. AID PROJECT	

