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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

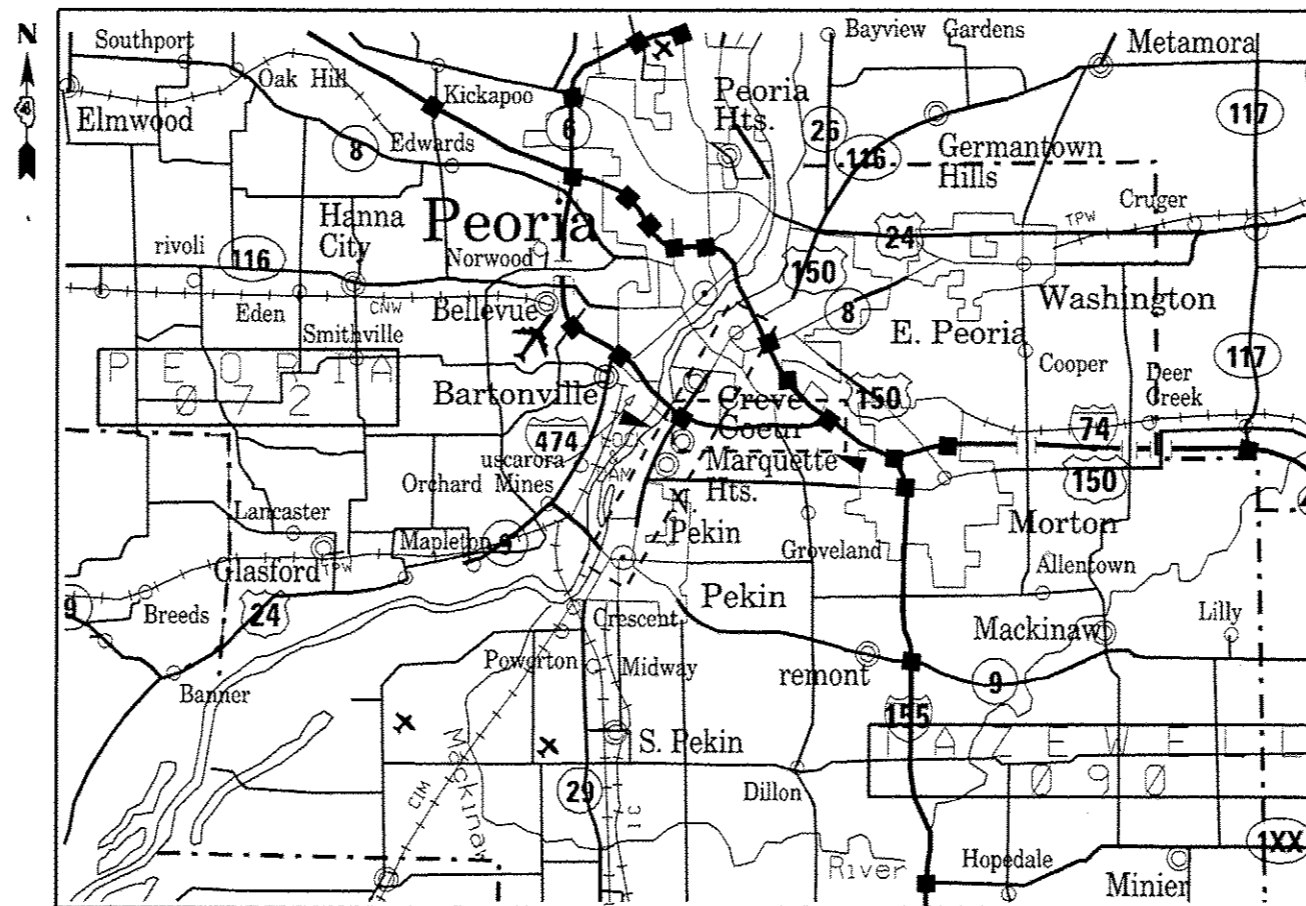
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: ERIC HOWALD (309) 671-4481
PROJECT MANAGER: RANDY LANINGA (309) 671-4477
CATALOG NO. 35121-00D
CONTRACT NO. 68B88

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

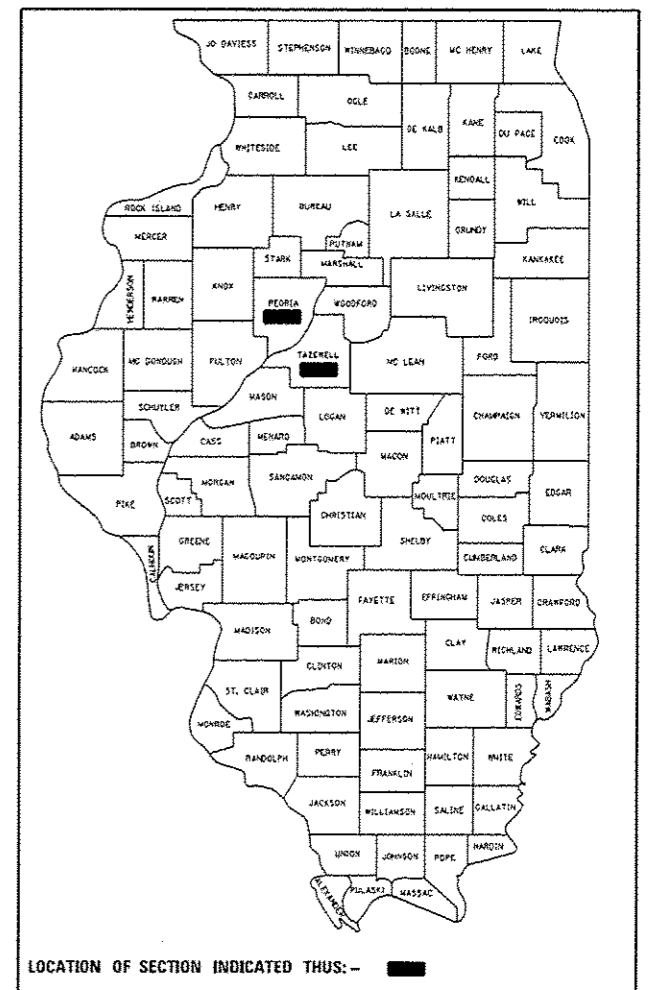
FAI 74 (I-74)
FAP 317 (US 150)
SECTION 72[(7,9)I-4;8-I-6];10-I
PEORIA-TAZEWELL COUNTIES

C-94-087-14



FAI/FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/317	72[(7,9)I-4;8-I-6];10-I	PEORIA-TAZEWELL	11	1
		ILLINOIS	CONTRACT NO. 68B88	

D-94-030-14



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 11, 2014
Henrik A. Stenroos
DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER

May 9, 2014
John D. Baranzelli, PE, P
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2014
Omer Osman, PE, P
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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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. ALL 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 EFG
 L-04

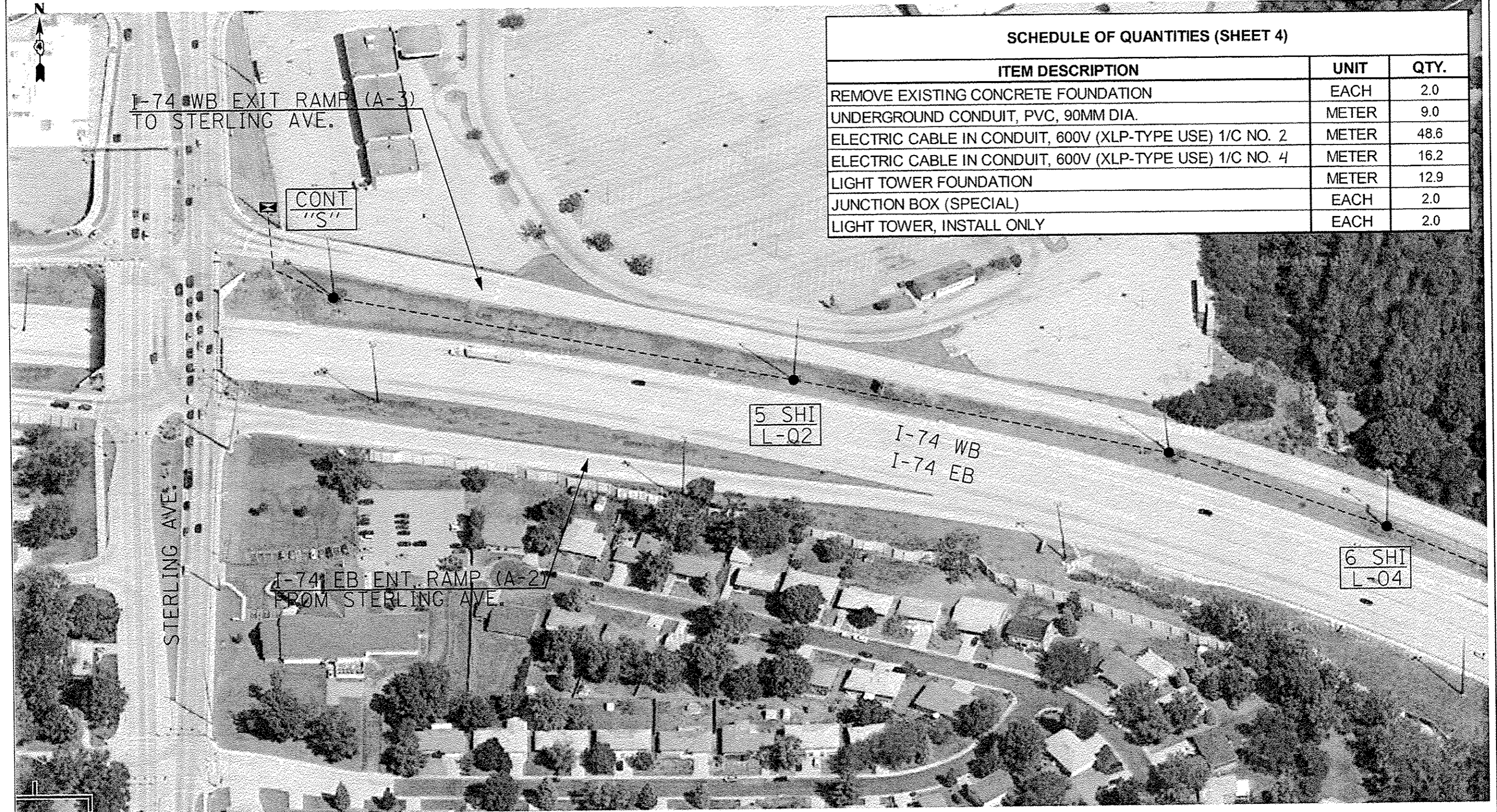
- 6 - DENOTES NUMBER OF LUMINAIRES ON TOWER
- E - DENOTES LIGHTING CONTROLLER
- FG - DENOTES LIGHTING CIRCUIT
- L-04 - DENOTES LIGHT ON CIRCUIT DIAGRAM

FILE NAME * 68888 - High Mast Lighting Repair (Final) *19-14).dgn	USER NAME * kashbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS AND CONSTRUCTION NOTES	FAI/FAP RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
PLOT SCALE * 1/4" = 1'-0" / in.	CHECKED -	REVISED -	74/150			72(17.91)-4-8-1-6-10-1	PEORIA-TAZEWELL	11	2
PLOT DATE * 4/18/2014	DATE -	REVISED -	CONTRACT NO. 68888			ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				PEORIA COUNTY	TAZEWELL COUNTY
				CONST. TYPE CODE 0021 100% STATE CONTRACT MAINTENANCE URBAN	CONST. TYPE CODE 0021 100% STATE CONTRACT MAINTENANCE URBAN
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.		
			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

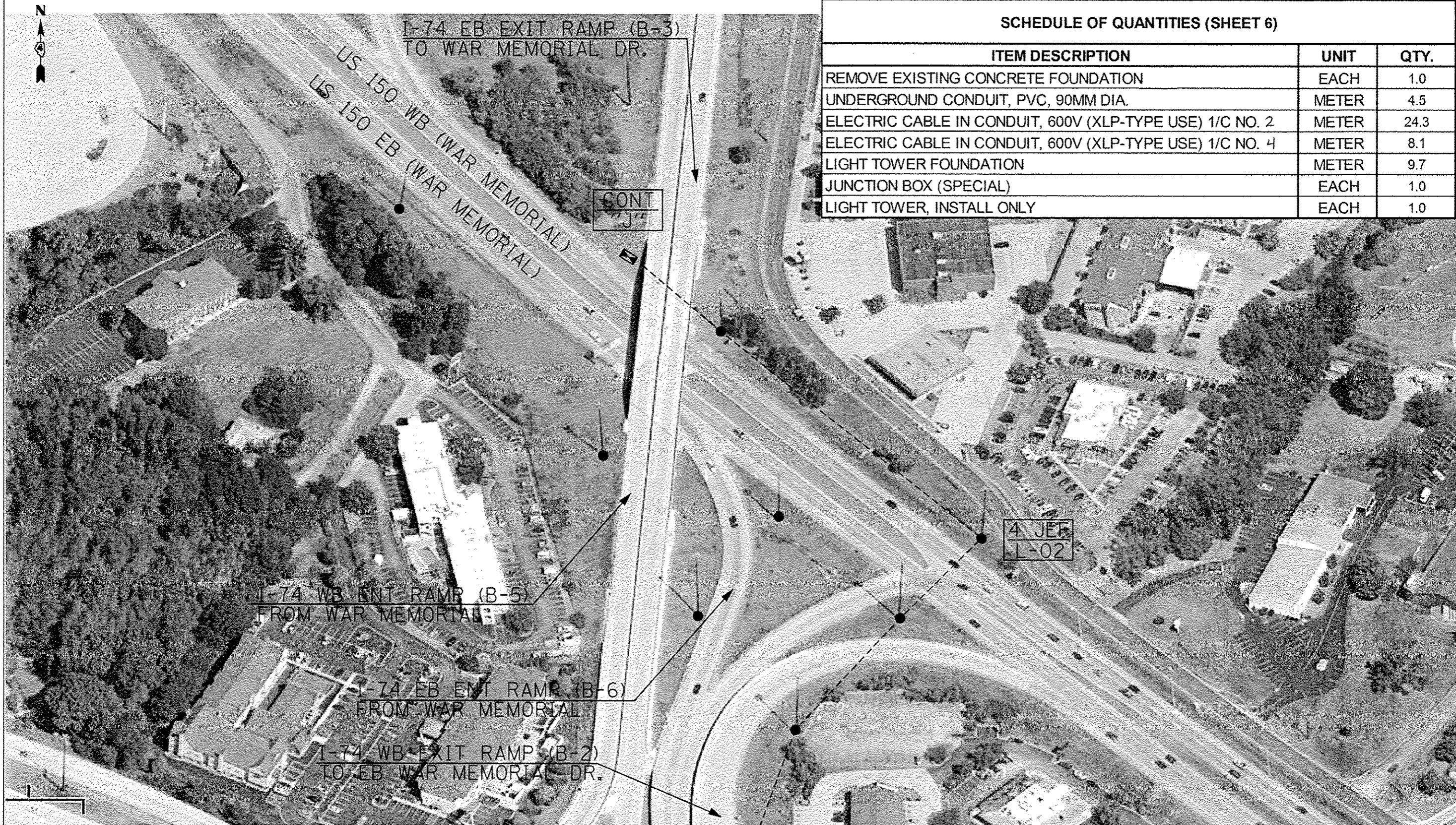
9



SCHEDULE OF QUANTITIES (SHEET 4)		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2.0
UNDERGROUND CONDUIT, PVC, 90MM DIA.	METER	9.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	48.6
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	16.2
LIGHT TOWER FOUNDATION	METER	12.9
JUNCTION BOX (SPECIAL)	EACH	2.0
LIGHT TOWER, INSTALL ONLY	EACH	2.0

REVISED

FILE NAME *	USER NAME = kwrshr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT TOWER FOUNDATION REPLACEMENT I-74 & STERLING AVENUE WB EXIT RAMP A-3	FAL/FAP RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
68888 - High Mast Lighting Repair (Final) 4-19-141.dgn		DRAWN -	REVISED -			74/150	72(17,911-418-1-6)10-1	PEORIA-TAZEWELL	11	4
PLOT SCALE = 1/4" = 1' / in.		CHECKED -	REVISED -			CONTRACT NO. 68B88				
PLOT DATE = 4/18/2014		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



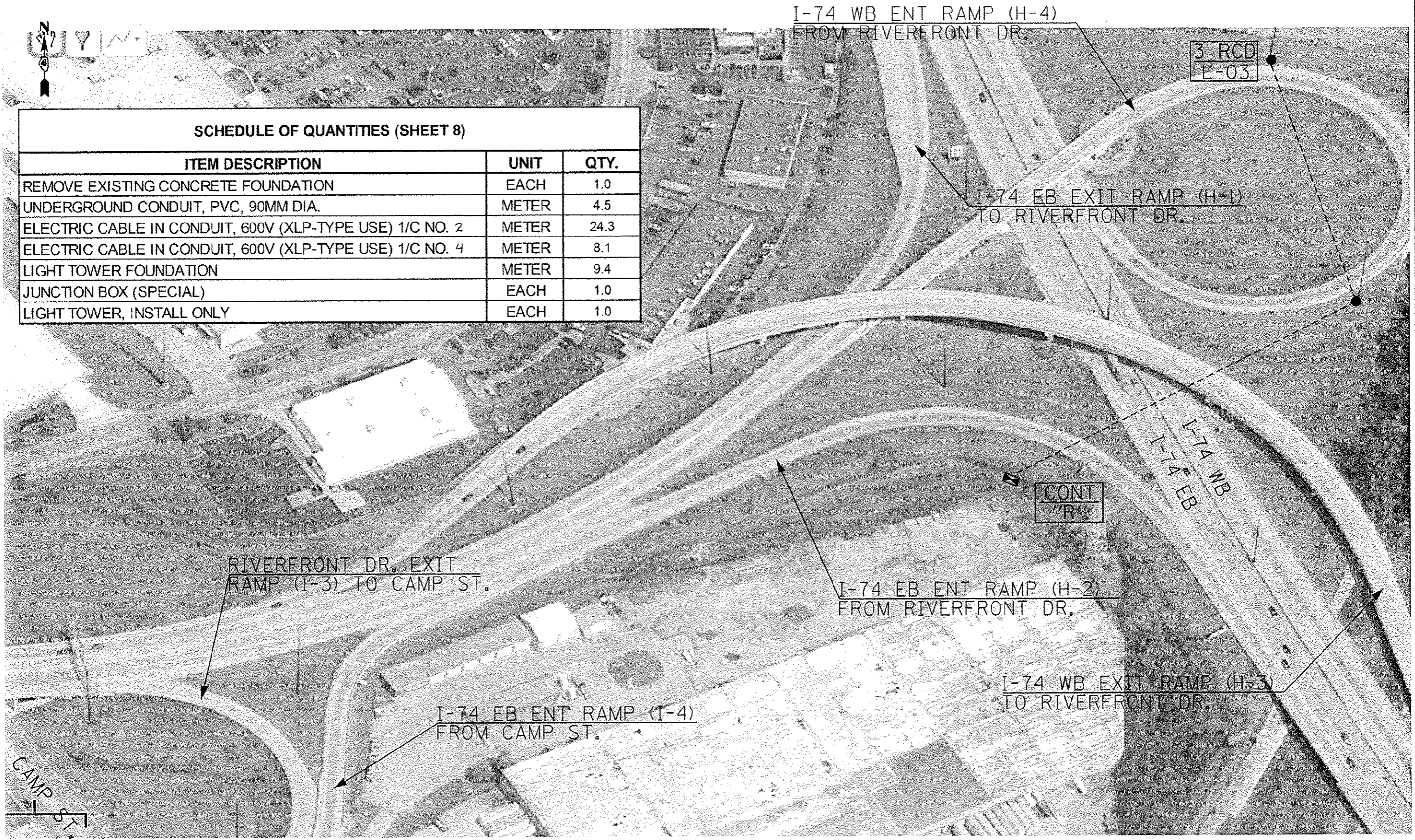
SCHEDULE OF QUANTITIES (SHEET 6)		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1.0
UNDERGROUND CONDUIT, PVC, 90MM DIA.	METER	4.5
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	24.3
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	8.1
LIGHT TOWER FOUNDATION	METER	9.7
JUNCTION BOX (SPECIAL)	EACH	1.0
LIGHT TOWER, INSTALL ONLY	EACH	1.0

REVISED

FILE NAME * 68888 - High Mast Lighting Repair (Final)	USER NAME * kashbr 4-19-14) .dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIRING DIAGRAM I-74 & STERLING AVENUE	FBI/FAP RTE. 74/150	SECTION 72(7.9)1-4;8-1-6;10-1	COUNTY PEORIA-TAZEWELL	TOTAL SHEET SHEETS NO. 11 6	
	PLOT SCALE * 1/4" = 1' / 1/8" = 1'	CHECKED -	REVISED -			SCALE: _____	STA. _____ TO STA. _____	CONTRACT NO. 68888		
	PLOT DATE * 4/18/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



SCHEDULE OF QUANTITIES (SHEET 8)		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1.0
UNDERGROUND CONDUIT, PVC, 90MM DIA.	METER	4.5
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	24.3
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	METER	8.1
LIGHT TOWER FOUNDATION	METER	9.4
JUNCTION BOX (SPECIAL)	EACH	1.0
LIGHT TOWER, INSTALL ONLY	EACH	1.0



REVISED

FILE NAME = 68888 - High Mast Lighting Repair - (Final)	USER NAME = aubrayg	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT TOWER FOUNDATION REPLACEMENT I-74 WB ENTRANCE RAMP H-4 (FROM RIVERFRONT DRIVE)	FAI/FAP RTE. 74/150	SECTION T2(17,911-4;8-1-6)10-1	COUNTY PEORIA-TAZEWELL	TOTAL SHEET SHEETS NO. 11 8	
	PLOT SCALE = 1/4" = 100'	DRAWN - _____	REVISED - _____			SCALE: _____	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 4/18/2014	CHECKED - _____	REVISED - _____							
		DATE - _____	REVISED - _____							