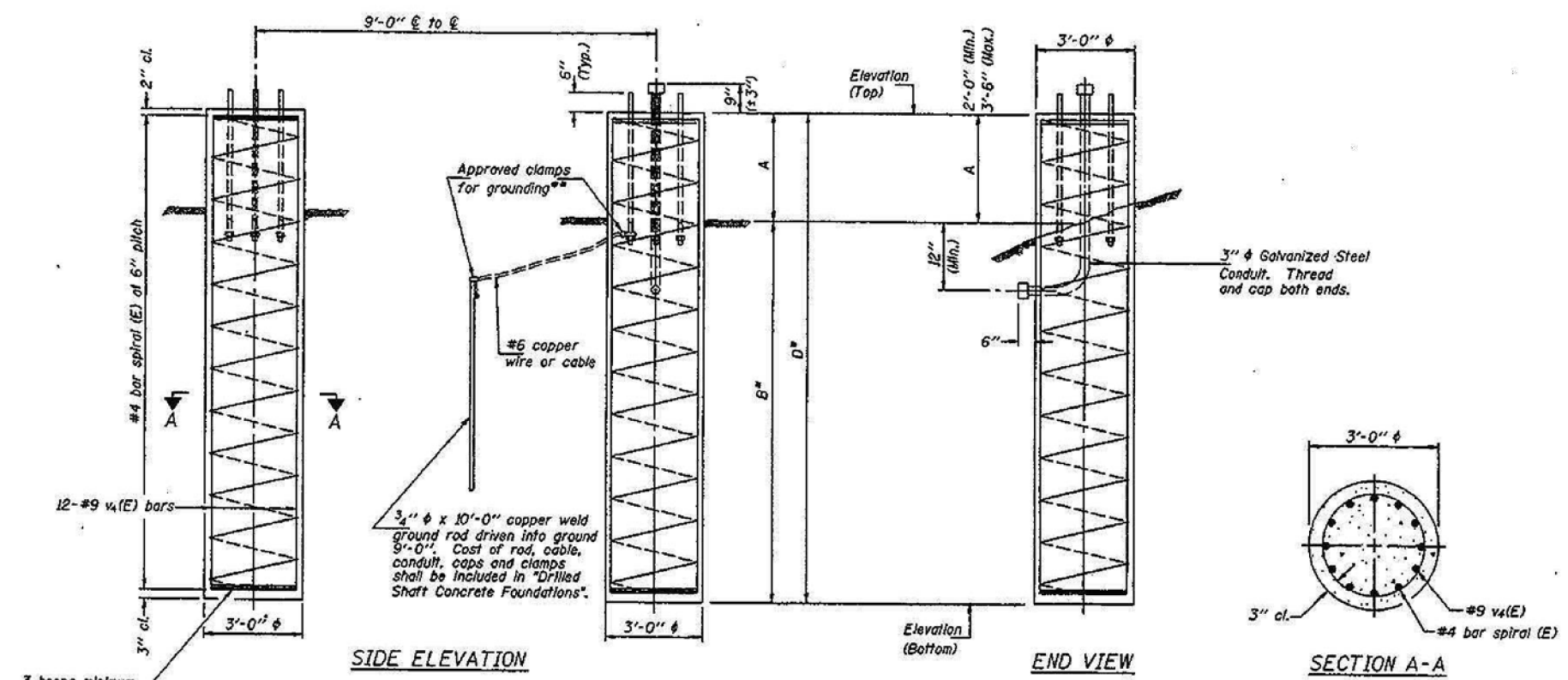


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-114R(14HB-4,14,14HB)BR	TAZEWELL	98	36
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

For anchor rod size and placement, see Support Frame Detail Sheet.

\*\*Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.



**BAR LIST - EACH FOUNDATION**

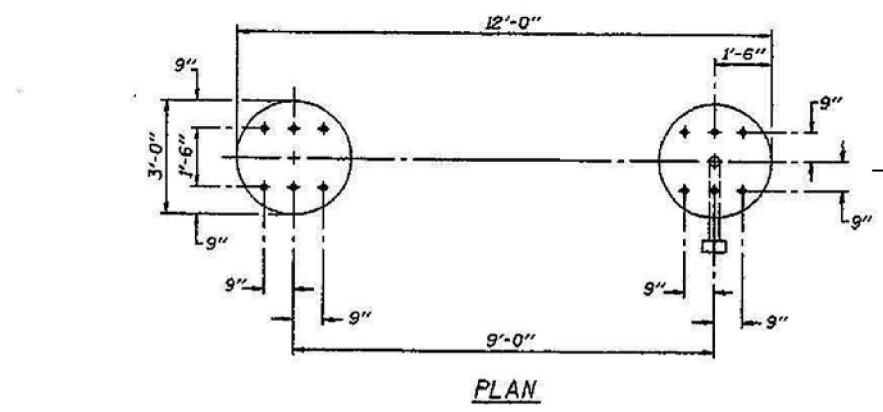
Bar Number	Size	Length	Shape
#(E) 24	#9	D less 5"	—
#4 bar spiral (E) - see "SIDE ELEVATION"			

**NOTES:**

The foundation details shown are based on common cohesive soil conditions (silty or sandy clay) with an average  $Q_u \geq 1.25$  ton/sq. ft. for all strata within and below the "B" portion of the foundation.  $Q_u$ , the soil's unconfined compressive strength, shall be determined by the Engineer from either hand penetrometer readings during construction or previous soil investigations at the site. For lower soil strengths or different soil types, the Engineer shall review pertinent data and determine any required revisions to the diameter, depth, reinforcement or configuration of the foundation. If changes are required by the Contractor, or if dimensions "B" and "D" are increased more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

Backfill shall be placed per Article 502 of Standard Specifications, and prior to erection of support frame.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundations".



Structure Number	Station	B	Left Foundation				Right Foundation				Class SI Concrete (Cu. Yds.)
			Elevation Top	Elev. Bottom*	A	D*	Elevation Top	Elev. Bottom*	A	D*	
45090J074RI01.3	495+00	18'-0"	102.55	82.55	2'-0"	20'-0"	102.64	82.64	2'-0"	20'-0"	21
490721074L083.5	168+25	18'-0"	104.66	84.66	2'-0"	20'-0"	104.45	84.45	2'-0"	20'-0"	21

\*If soil conditions dictate (see notes), Engineer may direct changes to dimensions "B" and "D". Actual field values of "B", "D" and "Elevation Bottom" shall be entered in table for permanent record, with copy to District Operations.

DESIGNED	TCG
CHECKED	AJN
DRAWN	ABW
CHECKED	TCG

NUMBER	REVISION	DATE

DS4-F4 7/1/2001

**DETAILS FOR 12" φ SUPPORT FRAME  
TYPE III-A TRUSS**

ITS SHEET 36 OF 98

**OVERHEAD SIGN STRUCTURES  
DRILLED SHAFT DETAILS**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 74  
D4 I-74 ITS SYSTEM-1  
PEORIA & TAZEWELL COUNTIES

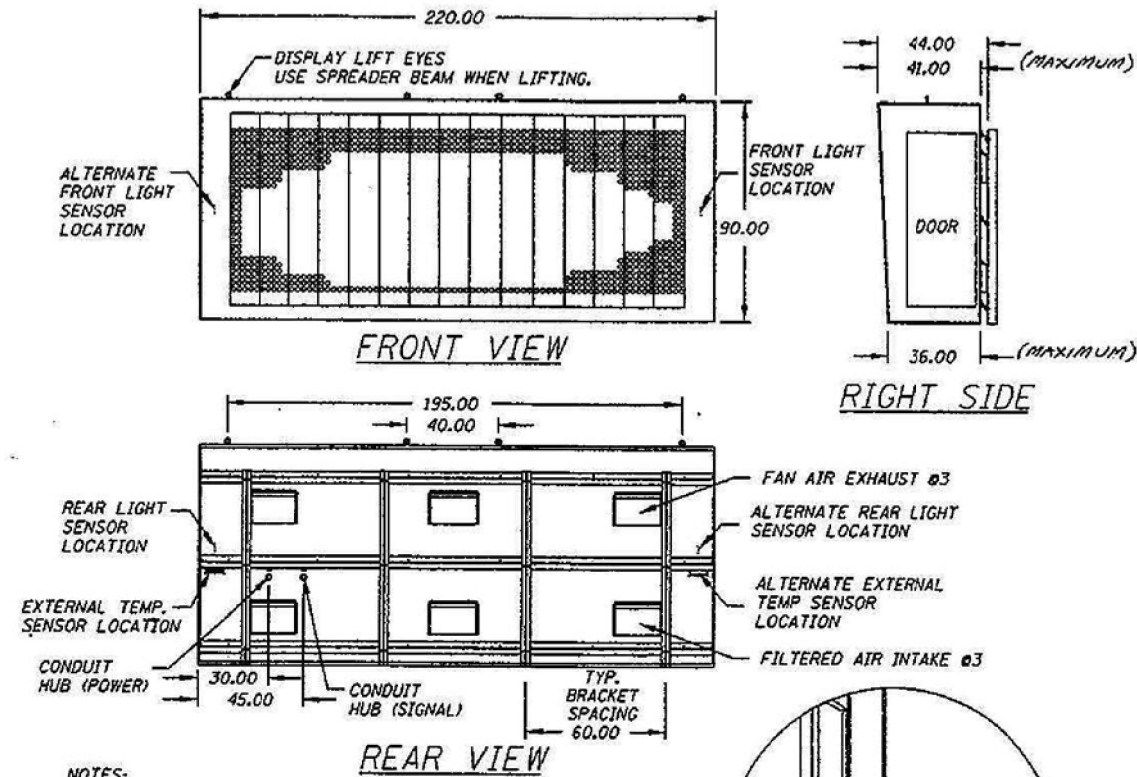
10/14/02  
EDWARDS AND KELCEY

PRINTED: 10/12/02

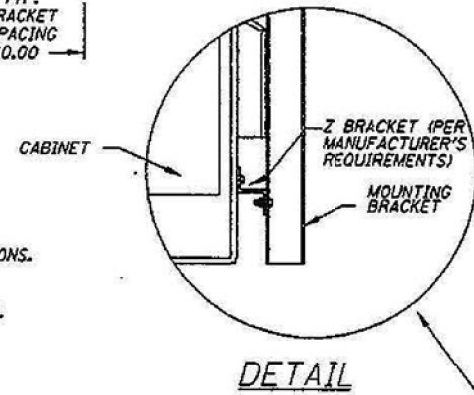
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-114R(14HB)	TAZEWELL	98	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY



- NOTES:**
- 1.) MATRIX SIZE NOMINAL 27X75
  - 2.) DISPLAY WILL BE A SINGLE FACE CONFIGURATION.
  - 3.) POWER LOAD CENTER AND FIELD CONTROLLER ARE LOCATED NEAR BASE OF STRUCTURE.
  - 4.) SEE ILLUSTRATIONS FOR POWER AND SIGNAL CONDUIT ENTRANCES.
  - 5.) ALL DIMENSIONS ARE IN INCHES.
  - 6.) DESIGN IS SUBJECT TO MANUFACTURER'S SPECIFICATIONS.
  - 7.) FULL PROTECTIVE MASKED FACE PANEL
  - 8.) ALL ALUMINUM CONSTRUCTION
  - 9.) WEIGHT OF THE DISPLAY IS APPROXIMATELY 2500 LBS.
  - 10.) DIMENSIONS OF THE DISPLAY ARE NOMINAL.



Z-BRACKETS ARE BOLTED TO THE REAR OF THE DISPLAY BY MANUFACTURER. EACH Z-BRACKET IS ATTACHED USING 1/2"Ø A325 STRUCTURAL GALVANIZED HARDWARE.  
 A POSSIBLE MOUNTING SITUATION IS SHOWN WHERE FOUR VERTICALS BY OTHERS ARE ATTACHED TO THE MANUFACTURER'S Z-BRACKETS USING TWO 1/2"Ø BOLTS AND NUTS AT EACH CONNECTION POINT. THIS MOUNTING METHOD IS SHOWN FOR ILLUSTRATION ONLY.

ITS SHEET 37 OF 98

OVERHEAD SIGN STRUCTURES  
SIGNING DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 74  
D4 I-74 ITS SYSTEM-1  
PEORIA & TAZEWELL COUNTIES

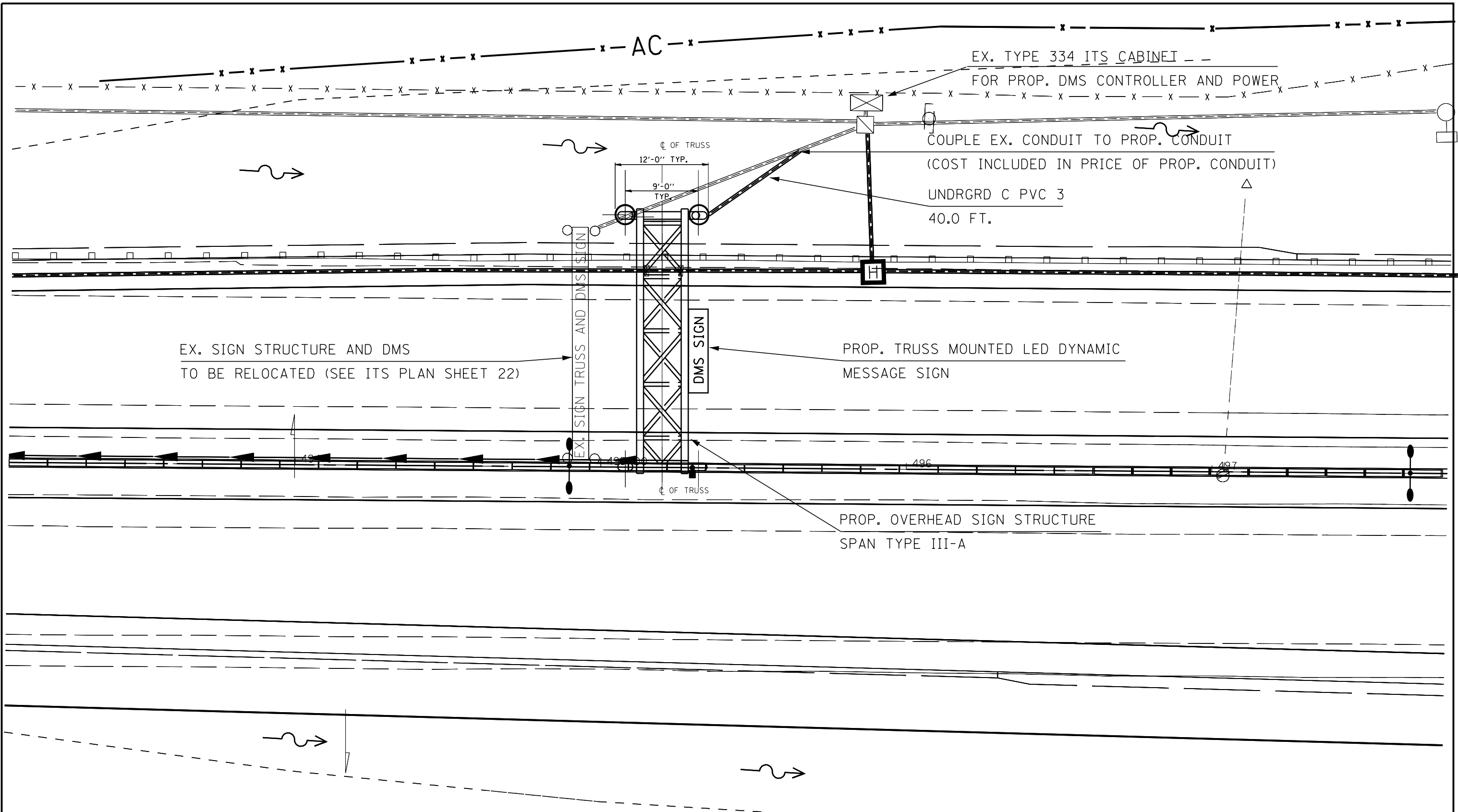
10/14/02

EDWARDS AND KELCEY

DESIGNED	TCG
CHECKED	AJN
DRAWN	ABW
CHECKED	TCG

CONTRACT SCI

FILE NAME =	USER NAME = howlde	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING SIGN STRUCTURE AND DMS DETAILS I-74 &amp; WASHINGTON BLACKTOP (CONTINUED)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pt\1-74 & 1-155 interchange\its plans\6820 - I-155 @ I-74 Interchange ITS (Final 6-1		DRAWN -	REVISED -			74	90-114R(14HB-4,14,14HVB)BR	TAZEWELL	2433	1702
PLOT SCALE = 89.5781 / in.		CHECKED -	REVISED -			CONTRACT NO. 68620				
PLOT DATE = 6/14/2012		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: NONE		SHEET NO. 38 OF XX SHEETS		STA. TO STA.		



SCHEDULE OF QUANTITIES ITS PLAN SHEET 39		
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	40.0

REFER TO ITS PLAN SHEET 4 OF 50 FOR ADDITIONAL ITS AND FIBER DETAILS  
 REFER TO ITS PLAN SHEETS 1602-1629 FOR OVERHEAD SIGN STRUCTURE DETAILS

FILE NAME = ... \ITS (DDT)\D468620-ITS-39.dgn	USER NAME = tblank	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = 7/17/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DMS SITE PLAN AND DETAILS  
I-74 & MULLER ROAD**

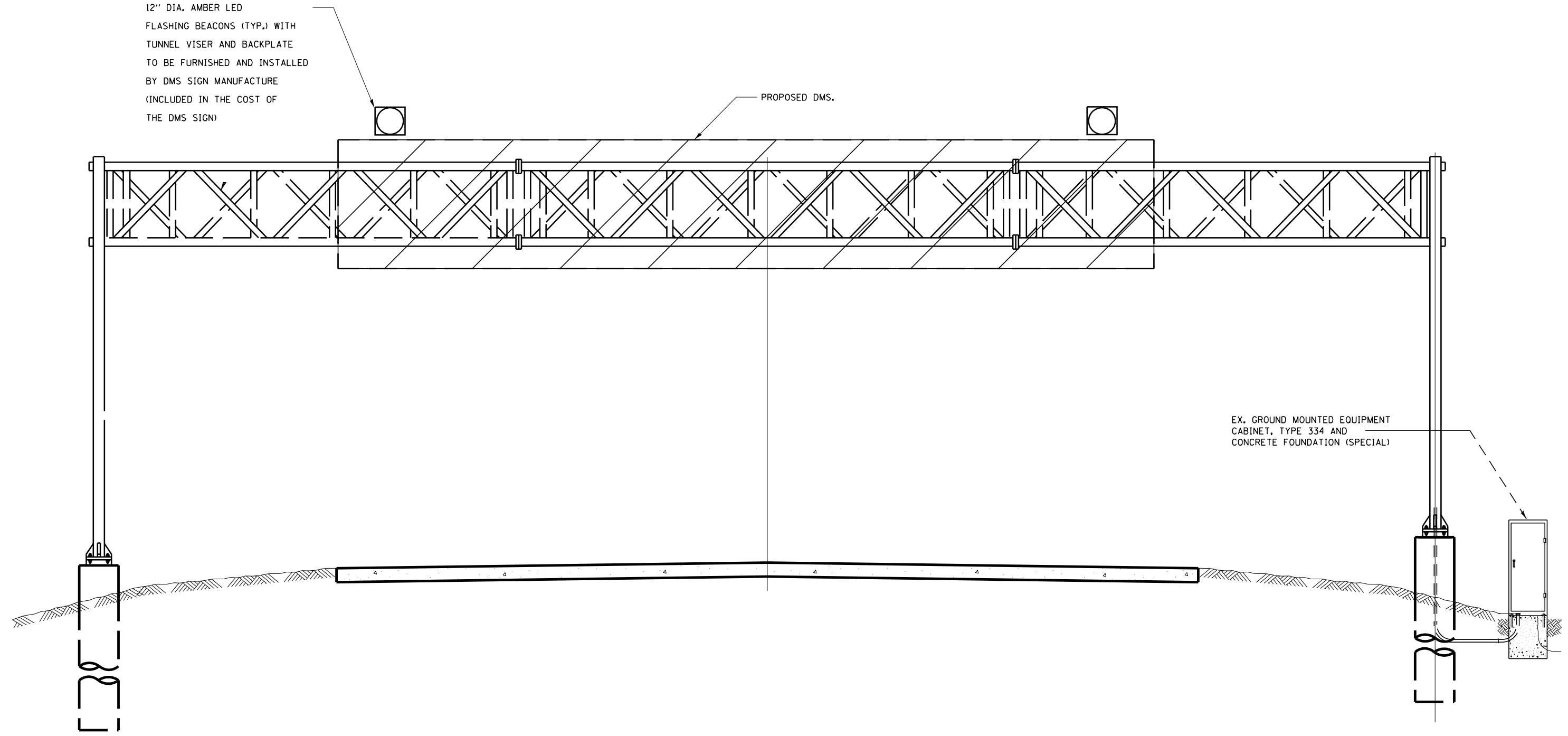
SCALE: NONE    SHEET NO. 39 OF 50 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14R(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1703
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68620	

12" DIA. AMBER LED  
FLASHING BEACONS (TYP.) WITH  
TUNNEL VISER AND BACKPLATE  
TO BE FURNISHED AND INSTALLED  
BY DMS SIGN MANUFACTURE  
(INCLUDED IN THE COST OF  
THE DMS SIGN)

PROPOSED DMS.

EX. GROUND MOUNTED EQUIPMENT  
CABINET, TYPE 334 AND  
CONCRETE FOUNDATION (SPECIAL)



FILE NAME = ... \ITS (DDOT)\D468620-ITS-40.dgn	USER NAME = tblank	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = 7/17/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DMS SIGN STRUCTURE DETAIL  
I-74 & MULLER RD.**

SCALE: SHEET NO. 40 OF 50 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14Rz(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1704
CONTRACT NO. 68620			ILLINOIS FED. AID PROJECT	

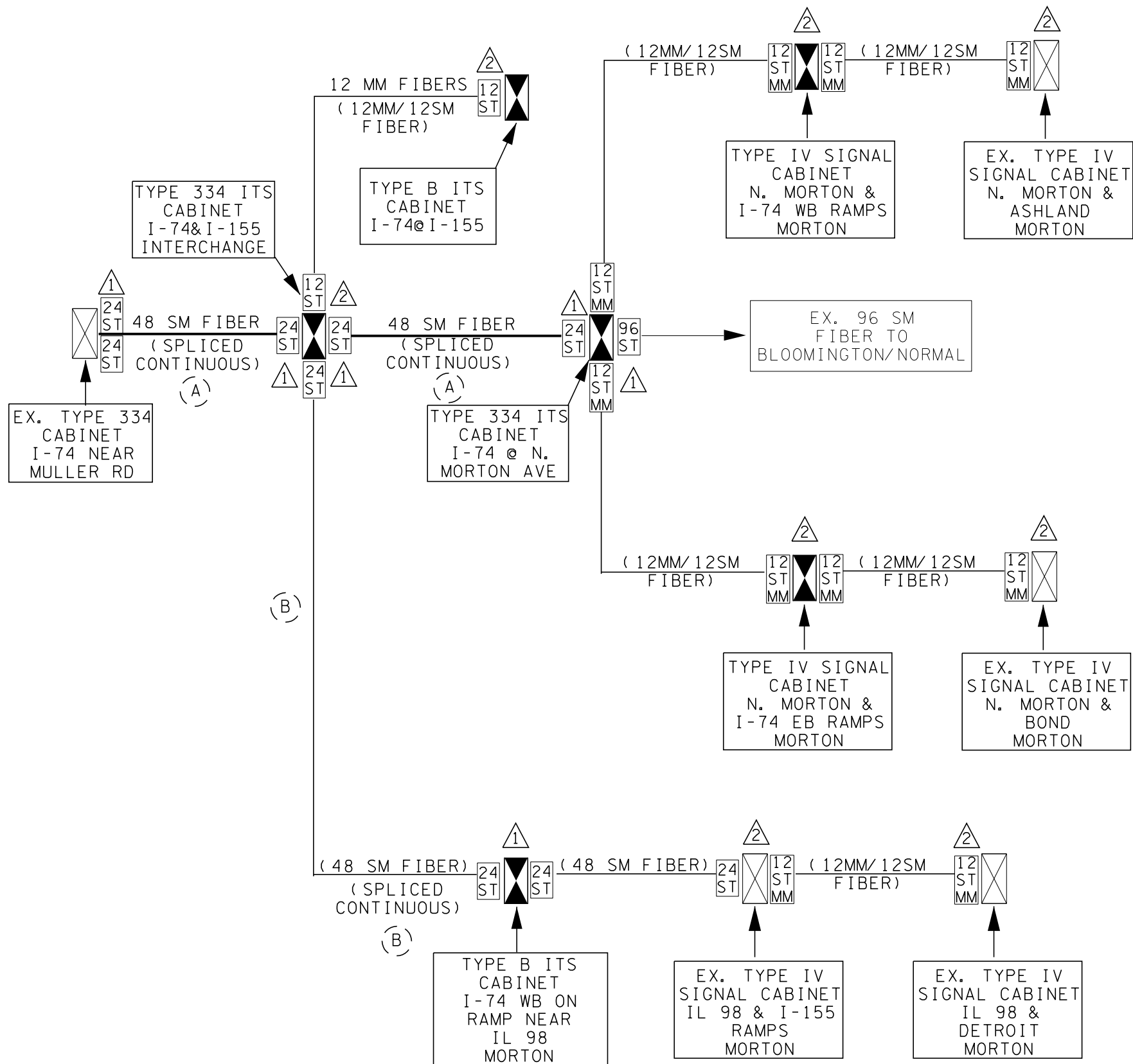
FIBER OPTIC CABLE TERMINATION NOTES (SINGLE MODE CABLE)

1. THE PROPOSED FIBER OPTIC CABLE SHALL BE TERMINATED AS SHOWN.
2. ALL CABLE SPLICES AND TERMINATIONS SHALL BE FUSION SPLICED.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR FIBER OPTIC CABLE TERMINATION, INCLUDING, BUT NOT LIMITED TO, BREAKOUT KITS, FANOUT KITS, ENCLOSURES, WEATHERPROOF SPLICE BOOTS, SPLICE SLEEVES, CONNECTORS, ETC.
4. ALL ST CONNECTORS SHALL BE FUSION SPLICED UTILIZING PRE-FORMED CABLES WITH CONNECTORS THAT ARE FUSION SPLICED TO THE PROPOSED FIBER.
5. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED 48 FIBER SINGLE MODE FIBER OPTIC CABLE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.

FIBER OPTIC CABLE TERMINATION NOTES (MULTIMODE CABLE)

1. THE PROPOSED FIBER OPTIC CABLE SHALL BE TERMINATED AS SHOWN.
2. ALL CABLE TERMINATIONS SHALL BE FUSION SPLICED OR SPLICED UTILIZING APPROVED MECHANICAL ST CONNECTORS.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR FIBER OPTIC CABLE TERMINATION, INCLUDING, BUT NOT LIMITED TO, BREAKOUT KITS, FANOUT KITS, ENCLOSURES, SPLICE SLEEVES, CONNECTORS,ETC.
4. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED 12 FIBER MULTIMODE FIBER OPTIC CABLE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.

FILE NAME = ... \ITS (DDOT)\D468620-ITS-41.dgn	USER NAME = tblank	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIBER OPTIC CABLE TERMINATION NOTES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					74	90-[14Rz(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1705
		CHECKED -	REVISED -		SCALE: NONE    SHEET NO. 41 OF 50 SHEETS    STA.    TO STA.			<b>CONTRACT NO. 68620</b>				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



(A) FUSION SPLICE 24 FIBERS ALONG I-74 TO CREATE CONTINUOUS FIBER LINK FROM EX. TYPE 334 ITS CABINET TO PROP. TYPE 334 ITS CABINET AT N. MORTON AVE.

(B) FUSION SPLICE 24 FIBERS ALONG I-74 TO CREATE CONTINUOUS FIBER LINK FROM PROP. TYPE 334 ITS CABINET AT I-74/I-155 INTERCHANGE TO PROP. TYPE B ITS EQUIPMENT CABINET NEAR I-74 WB ON RAMP NEAR IL 98

① FURNISH AND INSTALL RACK MOUNTED 96 FIBER INTERCONNECT CENTER EQUIPPED WITH ST CONNECTOR PACKS (TWELVE 8 FIBER PACKS) AND RACK MOUNTED SPLICE ENCLOSURE WITH SPLICE TRAYS IN PROPOSED TYPE 334 OR TYPE B ITS CABINET

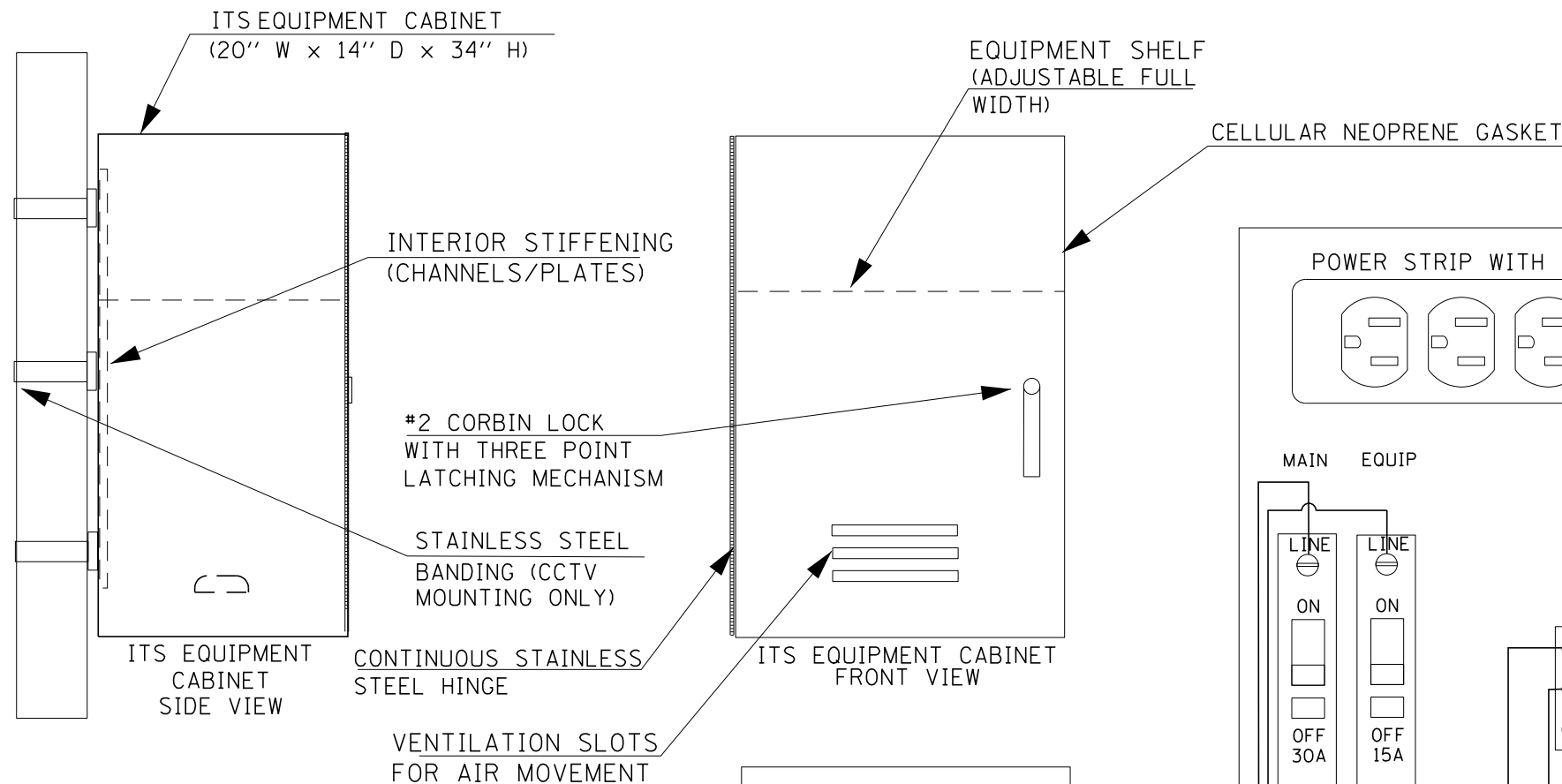
② FURNISH AND INSTALL 24 FIBER INTERCONNECT CENTER EQUIPPED WITH ST CONNECTORS IN PROPOSED OR EXISTING CABINET

12 ST MM INDICATES 12 MM FIBERS TO BE TERMINATED IN EX. OR PROP. CABINET WITH ST CONNECTORS

12 ST INDICATES 12 SM FIBERS TO BE TERMINATED IN EX. OR PROP. CABINET WITH ST CONNECTORS

24 ST INDICATES 24 SM FIBERS TO BE TERMINATED IN EX. OR PROP. CABINET WITH ST CONNECTORS

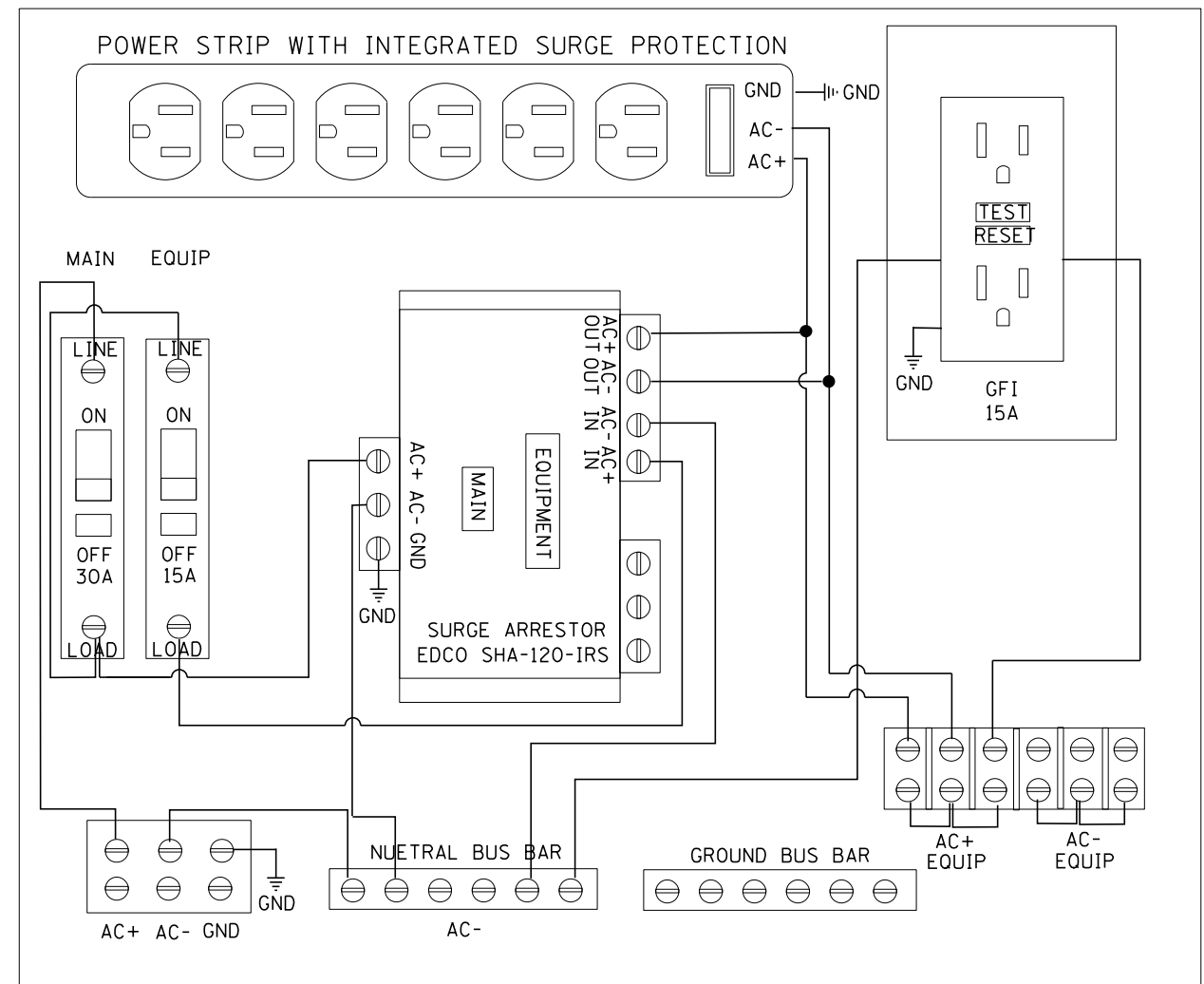
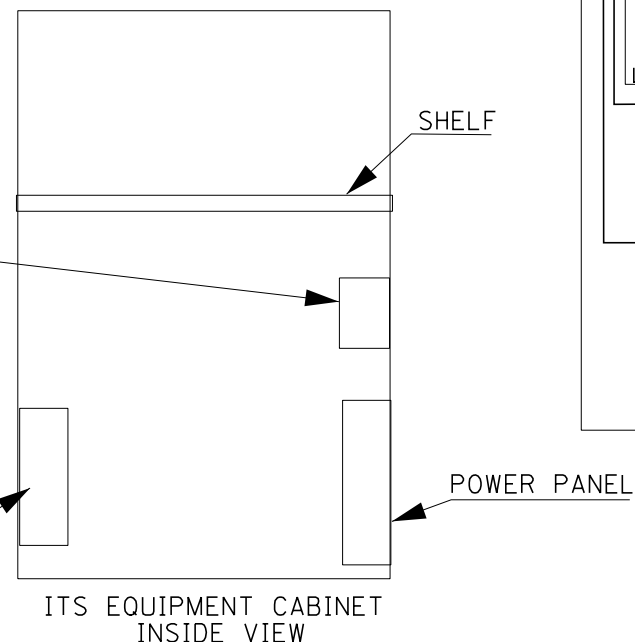
THE COST OF FIBER OPTIC ENCLOSURES AND SPLICE TRAYS SHALL BE INCLUDED IN THE COST OF THE FIBER OPTIC CABLE AND PROPOSED TRAFFIC SIGNAL CONTROLLER CABINETS.



THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GALVANIZED STEEL BRACKETING AND HARDWARE REQUIRED FOR CABINET INSTALLATION ON THE CAMERA POLES. ALL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

45W INDUSTRIAL DIN RAIL MOUNT POWER SUPPLY (INCLUDED WITH ETHERNET SWITCH PAY ITEM)

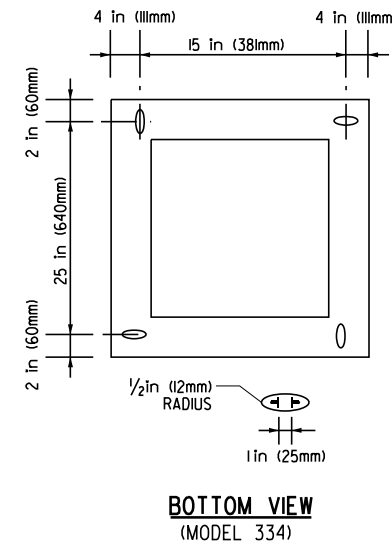
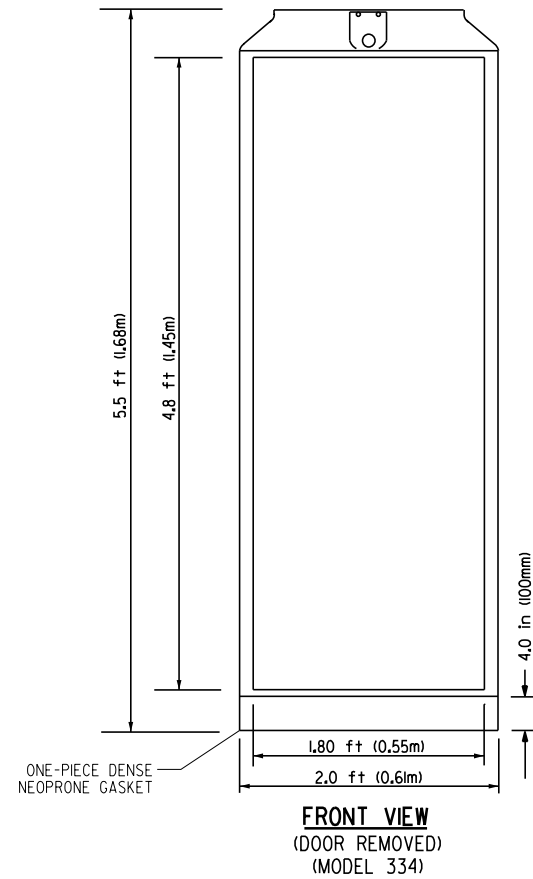
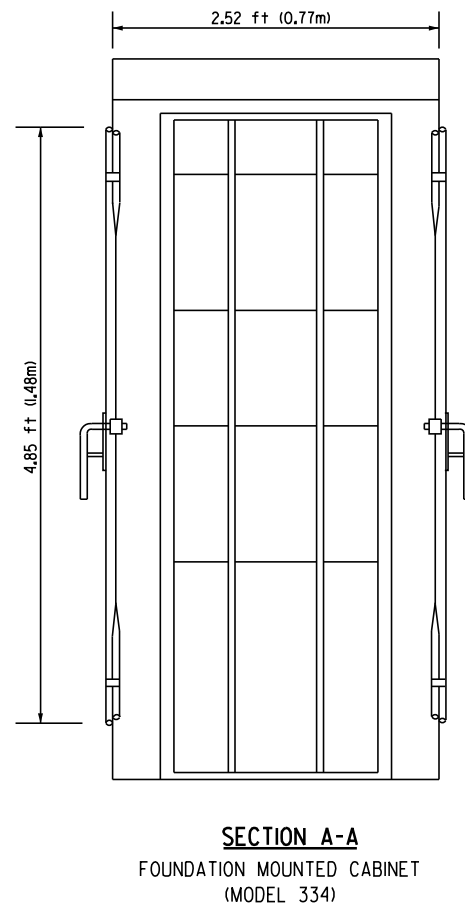
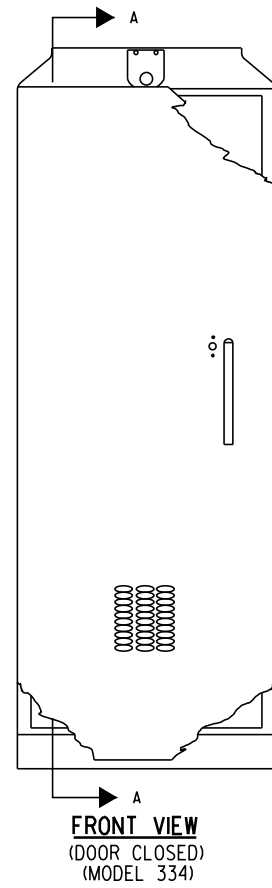
24 FIBER PANEL (CORNING WIC-24 WITH 24 MM ST FERRULES)



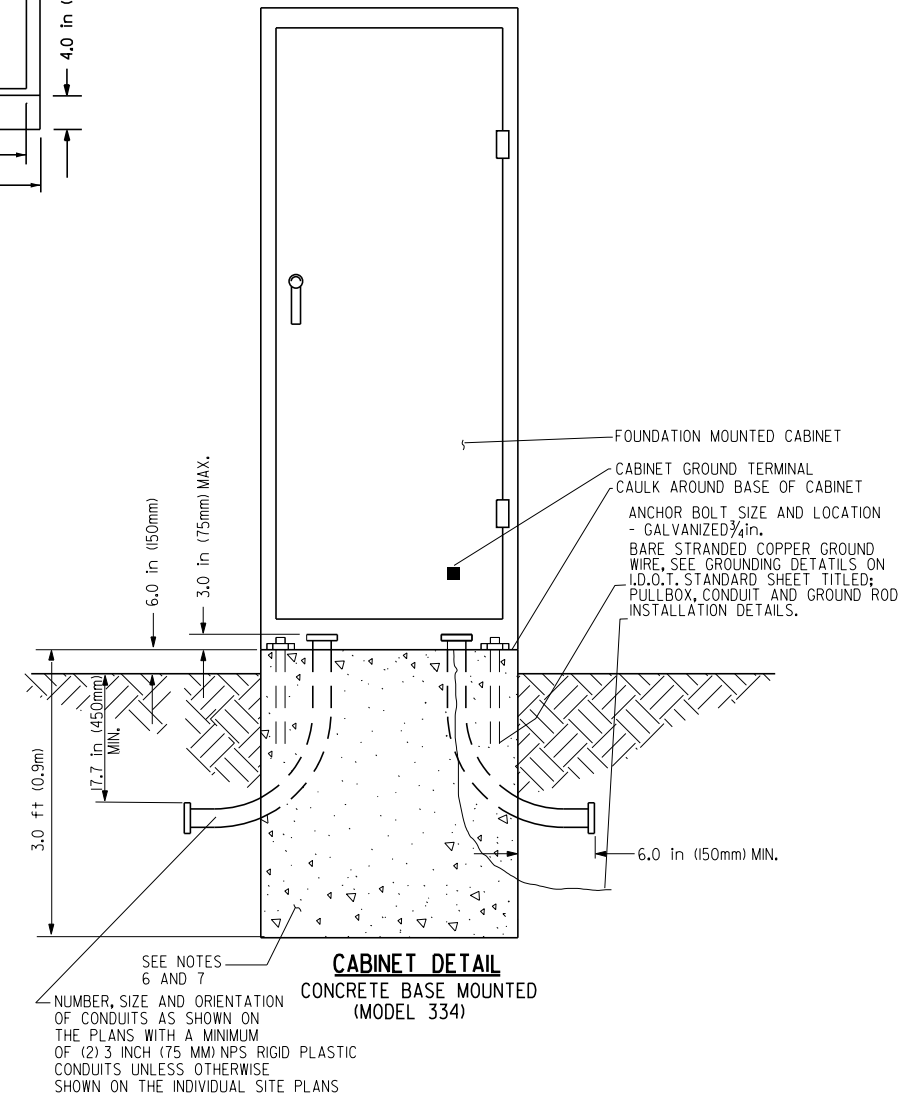
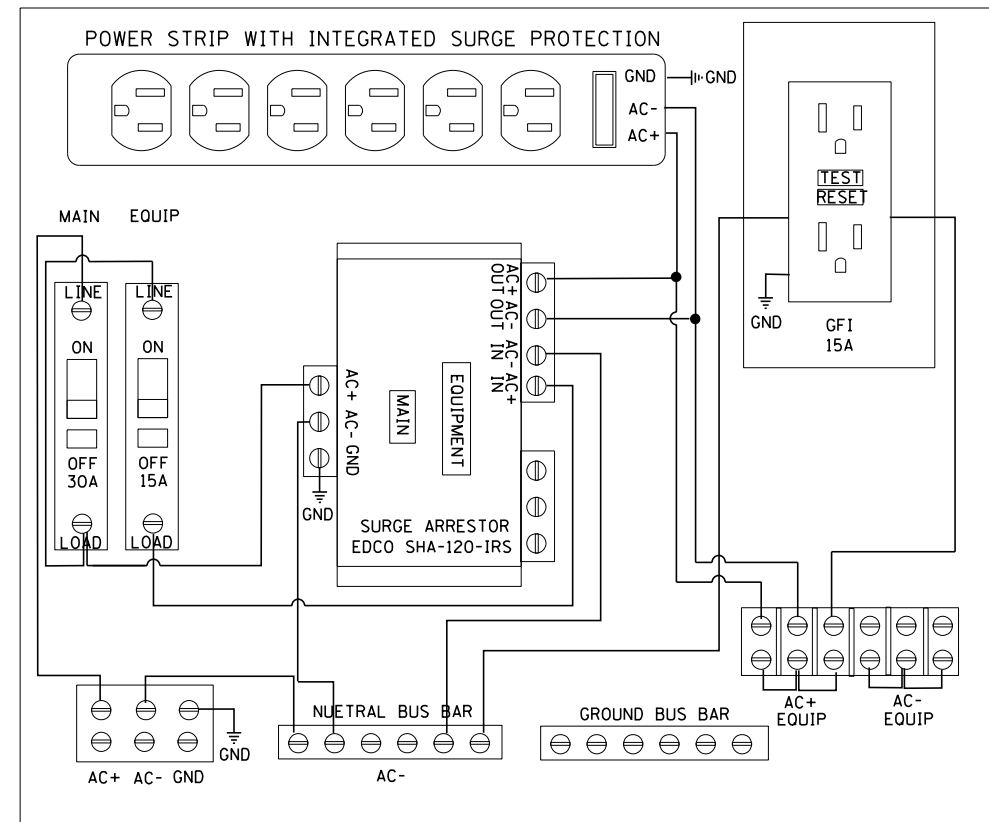
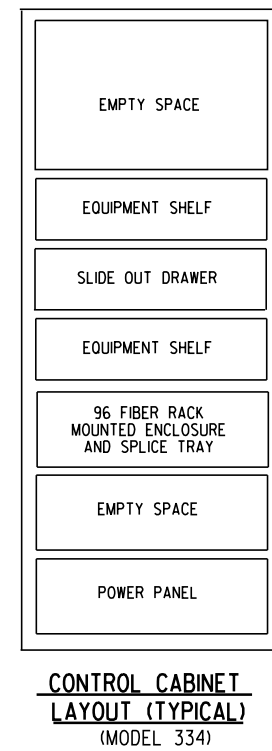
**NOTES**

1. THE ITS EQUIPMENT CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 34" (H) X 20" (W) X 14" (D). THE CABINET SHALL BE CONSTRUCTED FROM .125" THICK ALUMINUM AND HAVE A NATURAL FINISH.
2. THE CABINET SHALL BE FURNISHED WITH ONE ADJUSTABLE HEIGHT SHELF, THREE POSITION DOOR STOP (90, 120, 180 DEGREES), NEOPRENE DOOR GASKET, AIR VENT LOUVERS, CONTINUOUS STAINLESS STEEL DOOR HINGE, INTERIOR STIFFENERS FOR MOUNTING, THREE POINT LATCHING MECHANISM WITH #2 CORBIN LOCK, 24 FIBER INTERCONNECT CENTER, POWER PANEL, AND ALL STAINLESS STEEL HARDWARE.
3. THE CABINET SHALL BE EQUIPPED WITH A THERMOSTATICALLY CONTROLLER VENTILATION FAN AND DELUXE PLEATED AIR FILTER.
4. THE CONTRACTOR SHALL INSTALL ALL DIN RAIL MOUNTED EQUIPMENT (ETHERNET SWITCH AND POWER SUPPLY) IN THE CABINET.

FILE NAME = ...ITS (DDT)\D468620-ITS-43.dgn	USER NAME = tblank	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>POLE MOUNTED EQUIPMENT CABINET, TYPE B DETAIL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					74	90-[14Rz(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1707
		PLOT SCALE =	CHECKED -		SCALE: NONE	SHEET NO. 43 OF 50 SHEETS	STA.	TO STA.	<b>CONTRACT NO. 68620</b>			
		PLOT DATE = 7/17/2012	DATE -						ILLINOIS FED. AID PROJECT			



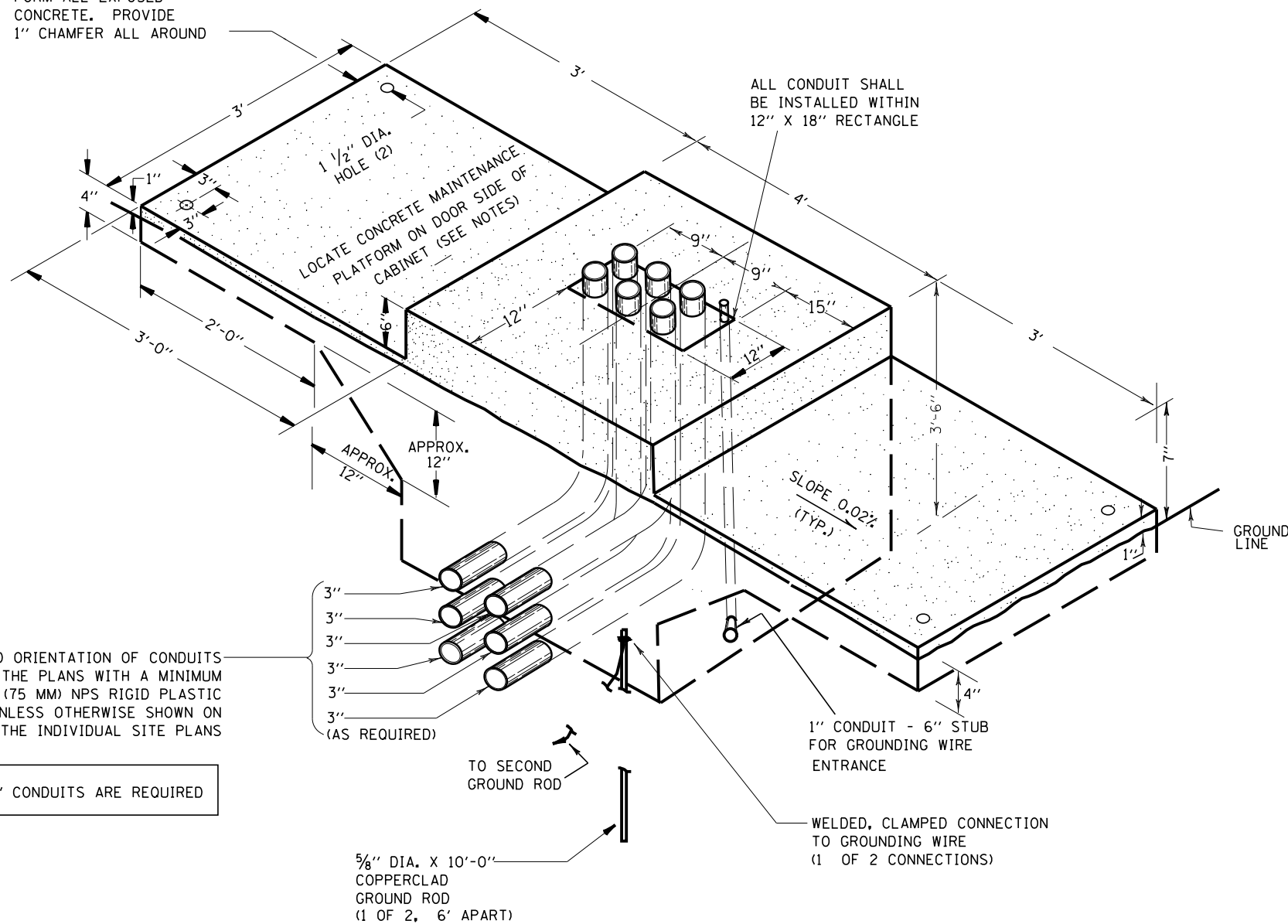
- NOTES (MODEL 334 CABINET):**
- REFER TO SPECIAL PROVISIONS FOR CABINET DETAILS AND ADDITIONAL REQUIREMENTS.
  - CABINET ENTRIES INCLUDE VERTICAL ARRANGEMENT FOR MAJOR EQUIPMENT ITEMS ONLY.
  - THERE WILL BE ADDITIONAL ITEMS INSTALLED IN THE CABINET ON SIDE AND BACK PANELS AS PER THE SPECIAL PROVISIONS.
  - PROVIDE ALL UNUSED SPACE AT BOTTOM OF CABINET.
  - THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS.
  - CONCRETE BASE TO BE FORMED AT LEAST 6.0 in (150mm) BELOW THE GROUND SURFACE.
  - CONCRETE BASE MUST BE CAST IN PLACE.
  - THE CABINET SHALL BE EQUIPPED WITH A THERMOSTATICALLY CONTROLLER VENTILATION FAN, DELUXE PLEATED FILTER, POWER PANEL, 96 FIBER RACK MOUNTED ENCLOSURE WITH SPLICE TRAYS, 19" MOUNTING RAILS, EQUIPMENT SHELF, AND SLIDE OUT DRAWER WITH STORAGE.
  - ALL WORK INDICATED SHALL BE PAID FOR UNDER ITEM CABINET, MODEL 334 EXCLUSIVE OF THE CONCRETE FOUNDATION.



FILE NAME = ... \ITS (DDT)\D468620-ITS-44.dgn	USER NAME = tblank	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPE 334 CABINET DETAIL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN -	REVISED -		74	90-114R(14HB-4,14,14HB)BR	TAZEWELL	2433	1708			
	PLOT DATE = 7/17/2012	CHECKED -	REVISED -		SCALE: NONE			SHEET NO. 44 OF 50 SHEETS		STA.	TO STA.	
		DATE -	REVISED -		CONTRACT NO. 68620							



FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND



NUMBER, SIZE AND ORIENTATION OF CONDUITS AS SHOWN ON THE PLANS WITH A MINIMUM OF (2) 3 INCH (75 MM) NPS RIGID PLASTIC CONDUITS UNLESS OTHERWISE SHOWN ON THE INDIVIDUAL SITE PLANS

ONLY TWO 3" CONDUITS ARE REQUIRED

### TYPICAL DETAIL

CONCRETE BASE, CONTROLLER CABINET

### GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR- 3/4 INCH DIAMETER X 12 INCH MINIMUM LENGTH APPROVED J-BOLTS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE GALVANIZED STEEL AND LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL, PRIOR TO CABINET INSTALLATION. LEVELING OF TOP SURFACES AFTER CONCRETE BASE HAS CURED SHALL ONLY BE ACCOMPLISHED BY GRINDING.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

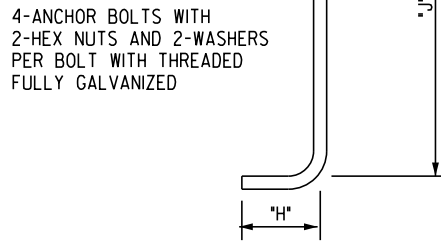
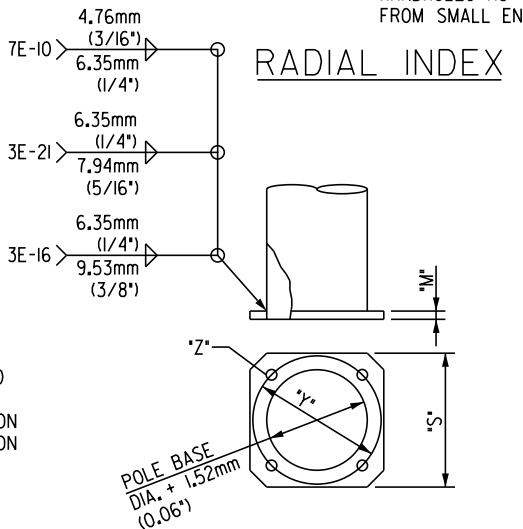
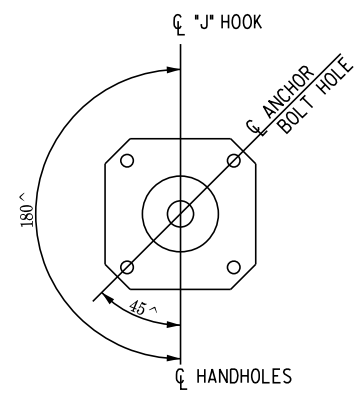
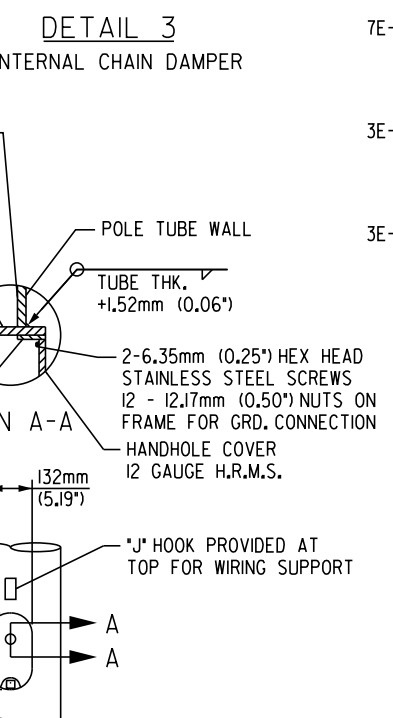
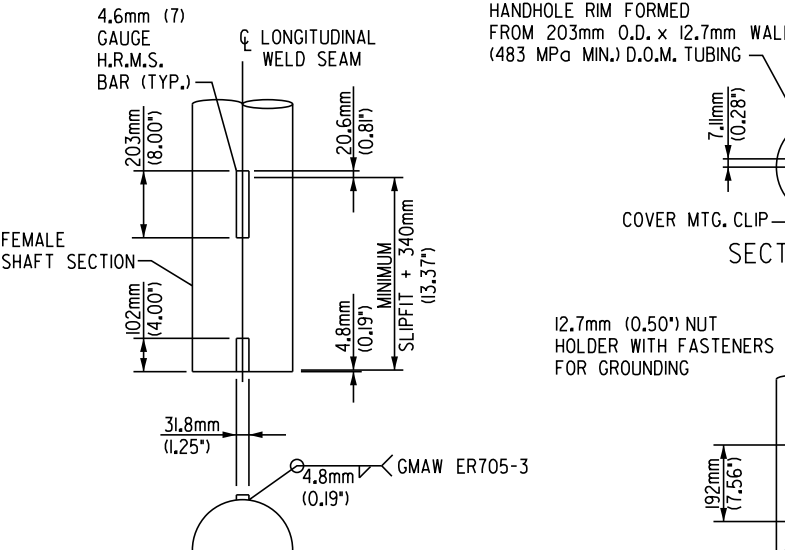
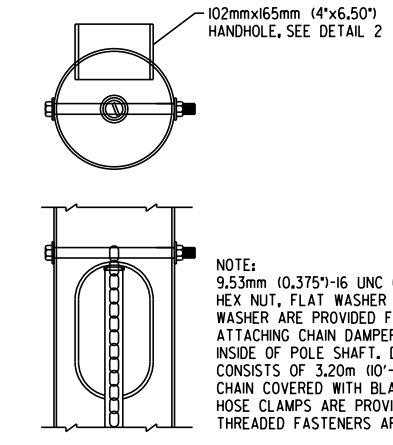
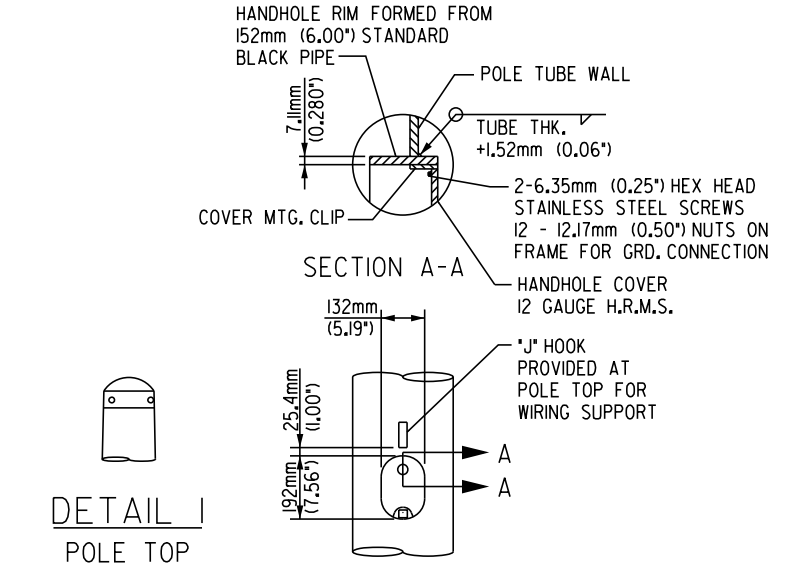
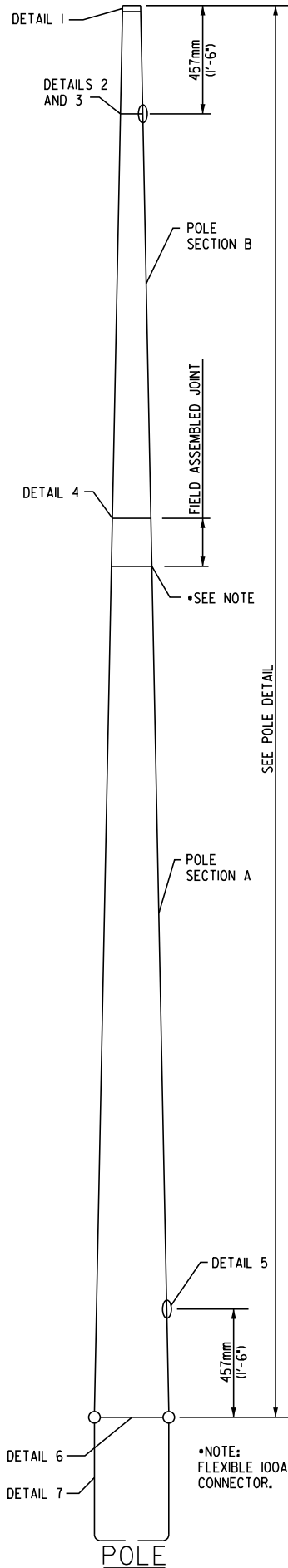
ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS IF WIRE IS INSTALLED AND ALL NON METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS IF WIRE IS INSTALLED.

FILE NAME = ...ITS (DDT)\D468620-ITS-45.dgn	USER NAME = tblank	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CONCRETE FOUNDATION (SPECIAL) FOR MODEL 334 CABINET DETAIL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -					74	90-[14R(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1709	
		CHECKED -	REVISED -		SCALE: NONE			SHEET NO. 45 OF 50 SHEETS		STA. TO STA.		CONTRACT NO. 68620	
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

APPROVED CAMERA POLE DRAWING:  
VALMONT, DRAWING NUMBER IL122179PI



POLE DATA

ITEM	QTY.	MOUNTING HEIGHT m (ft)	SEC.	POLE TUBE				POLE BASE				ANCHOR BOLT				
				BASE DIA. mm (in)	LENGTH m (ft)	TOP DIA. mm (in)	THICK OR GAUGE mm. (in/no.)	MIN. SLIP mm (in)	SQUARE "S" mm (in)	BOLT CIRCLE "Y" mm (in)	THK "M" mm (in)	SLOT "Z" mm (in)	DIA. "K" mm (in)	LENGTH "J" mm (in)	HOOK "H" mm (in)	THREAD LENGTH "U" mm (in)
1	1	13.72 (45.00)	A	330 (13.00)	13.72 (45.00)	170 (6.70)	6.07 (3)	N.A.	457 (18.00)	432 (17.00)	38 (1.50)	44x62 (1.75x2.44)	38 (1.50)	1372 (54.00)	152 (6.00)	203 (8.00)
2	1	16.76 (55.00)	A	406 (16.00)	10.27 (33.70)	287 (11.28)	4.8 (0.1875)	443 (17.45)	622 (24.50)	597 (23.50)	38 (1.50)	44x62 (1.75x2.44)	38 (1.50)	1372 (54.00)	152 (6.00)	203 (8.00)
			B	305 (12.00)	7.27 (23.87)	220 (8.66)	4.55 (7)									

MATERIAL DATA

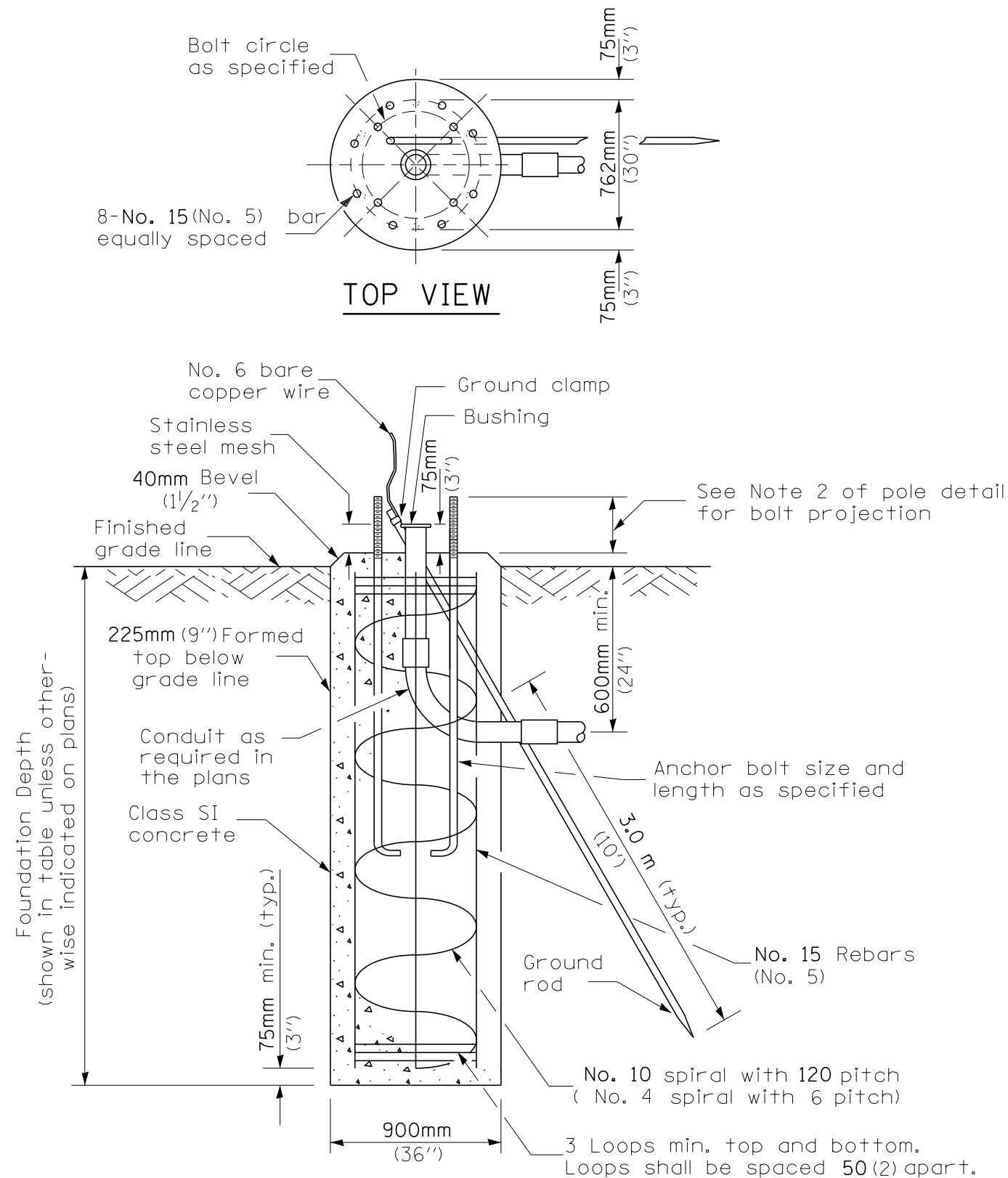
COMPONENT	ASTM DESIGNATION	MIN. YIELD MPa (ksi)
SHAFTS OVER 330mm (13.00") DIA.	A572 GR. 65	448 (65)
SHAFTS TO 330mm (13.00") DIA.	A595 GR. A	379 (55)
ANCHOR BOLTS	F1554 GR55	379 (55)
BASE PLATE	A36	248 (36)
GALVANIZING	Al23 & Al53	
FLAT WASHERS	F436	

\*METRIC EQUAL

MATERIAL DATA

COMPONENT	ASTM DESIGNATION	MIN. YIELD MPa (ksi)
ANCHOR BOLT NUTS	A563 GR. A	
H. H. COVER	C1010 STEEL	
H. H. FRAME	A36	248 (36)
POLE TOP	B26	

\*METRIC EQUAL



Notes:

1. The Engineer shall determine the class of soil during excavation. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength ( $Q_u$ ) > 100 kPa (1.0 tsf). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. The anchor bolts and raceways shall be properly secured in place.
3. Concrete shall be class "SI" Concrete and the foundation must be cured for ten (10) days before the pole is erected.
4. The cable trench shall be backfilled and firmly compacted before the pole is erected.
5. For sloping grades, the foundation design depth shall be increased by the corresponding cross slope shaft depth increase factor given by:
  - A. Cohesive soil - cross slope shaft increase factor  $0.009 \times (\text{slope angle}) + 1.0$
  - B. Granular soil - cross slope shaft increase factor  $0.00005 \times (\text{slope angle}) + 1.0$
6. Install grounding system in accordance with Section 806 of the IDOT Standard Specifications.

Pole Height	Foundation depth
13.7m (45')	4.4m (14'-6")
16.8m (55')	6.2m (20'-4")

**MICROWAVE DETECTOR  
INSTALLATION DETAILS**

HORIZONTAL OFFSET FT (M)	MOUNTING HEIGHT FT (M)		
	MINIMUM	MAXIMUM	RECOMMENDED
10.0 (3.0)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)
15.0 (4.6)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)
20.0 (6.1)	17.0 (5.2)	20.0 (6.1)	17.0 (5.2)
25.0 (7.6)	17.0 (5.2)	25.0 (7.6)	20.0 (6.1)
30.0 (9.1)	23.0 (7.0)	25.0 (7.6)	23.0 (7.0)
35.0 (10.7)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)
40.0 (12.2)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)
45.0 (13.7)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)
50.0 (15.2)	25.0 (7.6)	25.0 (7.6)	25.0 (7.6)

DIMENSIONS REFERENCED FROM THE EDGE OF PAVEMENT.

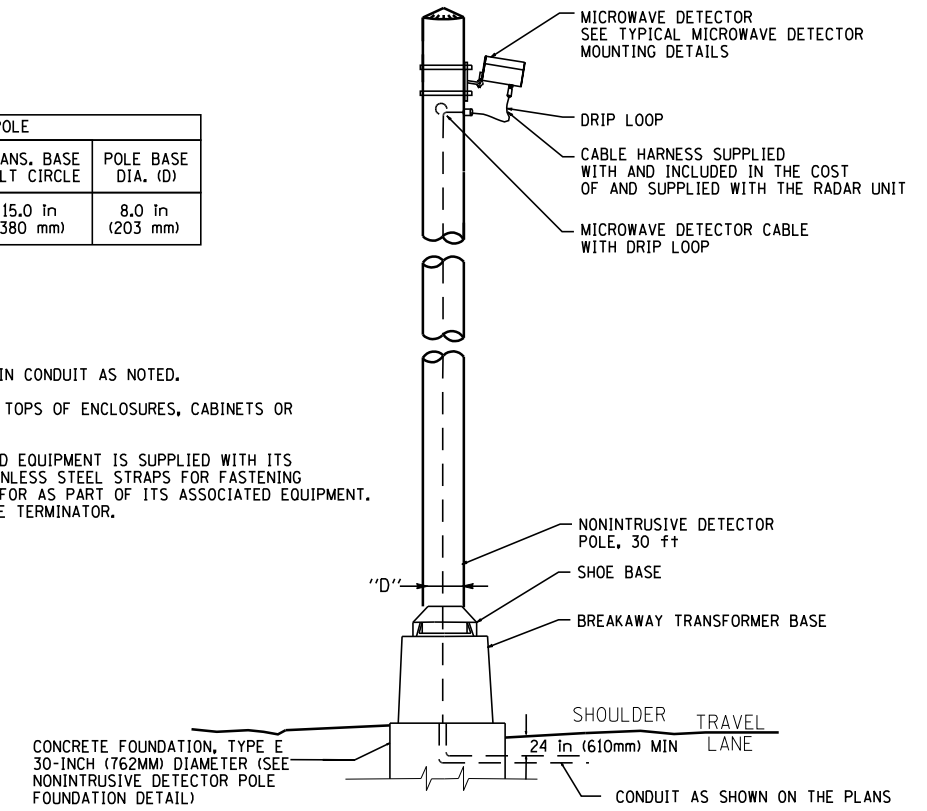
**NOTES:**

DETECTOR UNIT TO BE AIMED AT CENTER OF DETECTION ZONE. WHEN TWO DETECTORS ARE USED IN TANDEM AT A GIVEN LOCATION, DETECTION ZONE SHALL INCLUDE ALL TRAVEL LANES IN A SINGLE DIRECTION NEAREST EACH DETECTOR. WHEN A SINGLE DETECTOR IS USED AT A GIVEN LOCATION, THE DETECTOR ZONE SHALL INCLUDE ALL TRAVEL LANES IN BOTH DIRECTIONS. FINAL SETUP AND CALIBRATION TO BE PERFORMED BY MANUFACTURER'S FIELD REPRESENTATIVE IN CONJUNCTION WITH THE SYSTEMS INTEGRATOR.

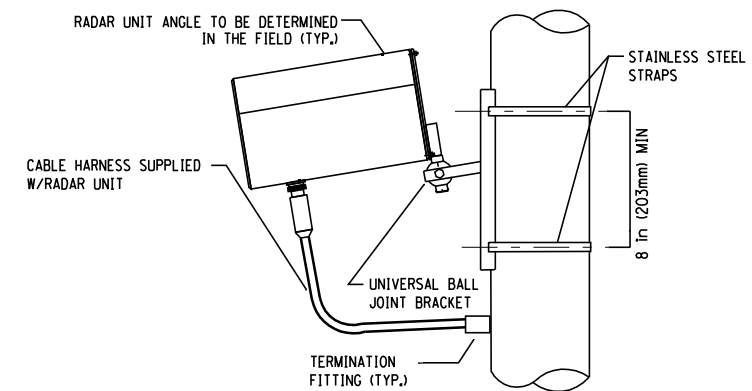
DETECTOR POLE			
SHAFT LENGTH	SHOE BASE BOLT CIRCLE	TRANS. BASE BOLT CIRCLE	POLE BASE DIA. (D)
28 ft (8.5 m)	11.0 in (280 mm)	15.0 in (380 mm)	8.0 in (203 mm)

**NOTES:**

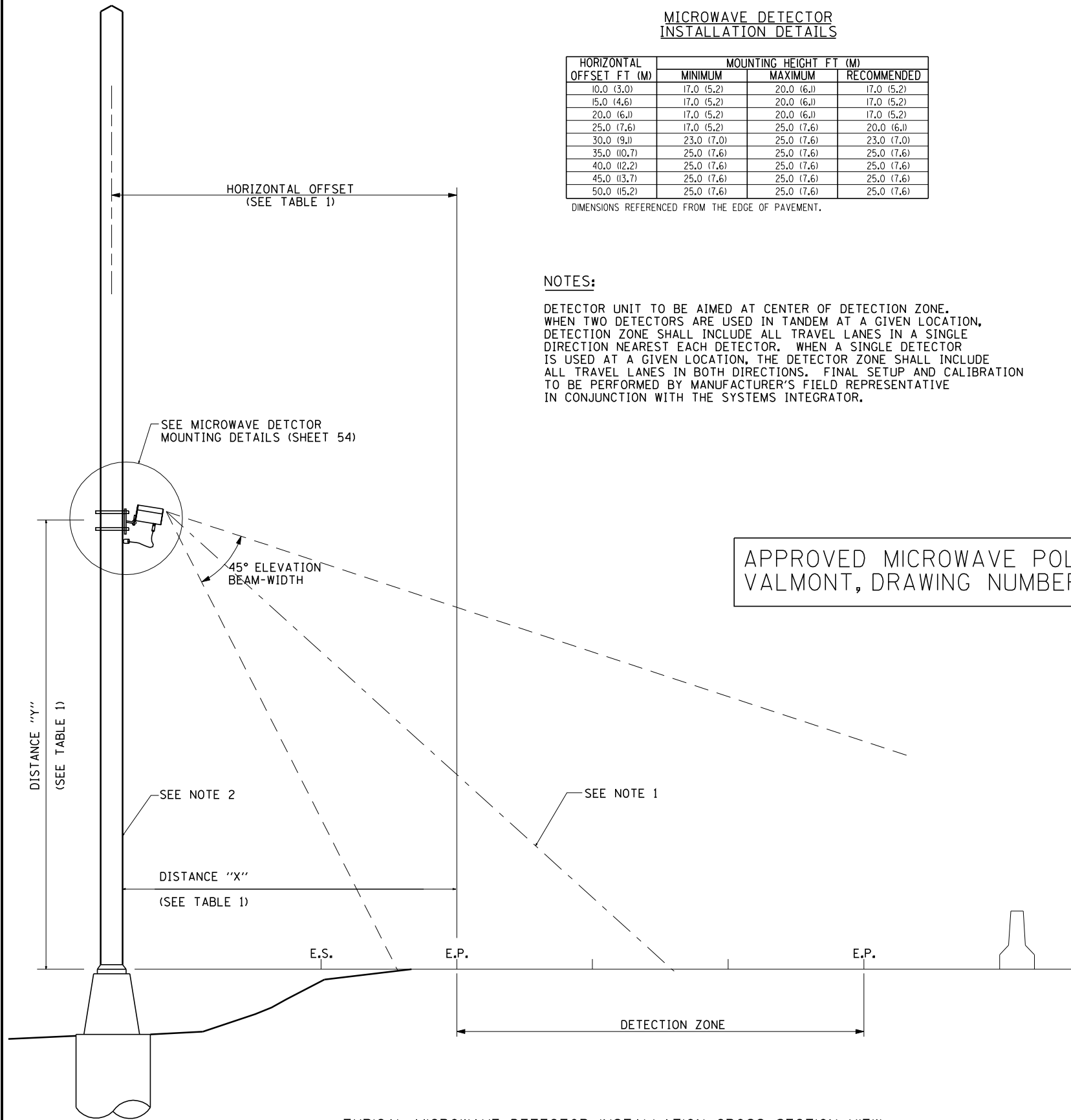
- ALL CABLES TO BE INSTALLED WITHIN CONDUIT AS NOTED.
- CABLE/CONDUITS SHALL NOT ENTER TOPS OF ENCLOSURES, CABINETS OR PULL/JUNCTION BOXES.
- CABLE HARNESS FROM POLE MOUNTED EQUIPMENT IS SUPPLIED WITH ITS ASSOCIATED EQUIPMENT. ALL STAINLESS STEEL STRAPS FOR FASTENING CABLES BRACKETS, ETC. ARE PAID FOR AS PART OF ITS ASSOCIATED EQUIPMENT. PROVIDE DRIP LOOP AT EACH CABLE TERMINATOR.



**MICROWAVE DETECTOR POLE MOUNTING DETAIL**  
SEE MICROWAVE DETECTOR INSTALLATION DETAILS  
TABLE FOR POLE OFFSET AND MOUNTING HEIGHT

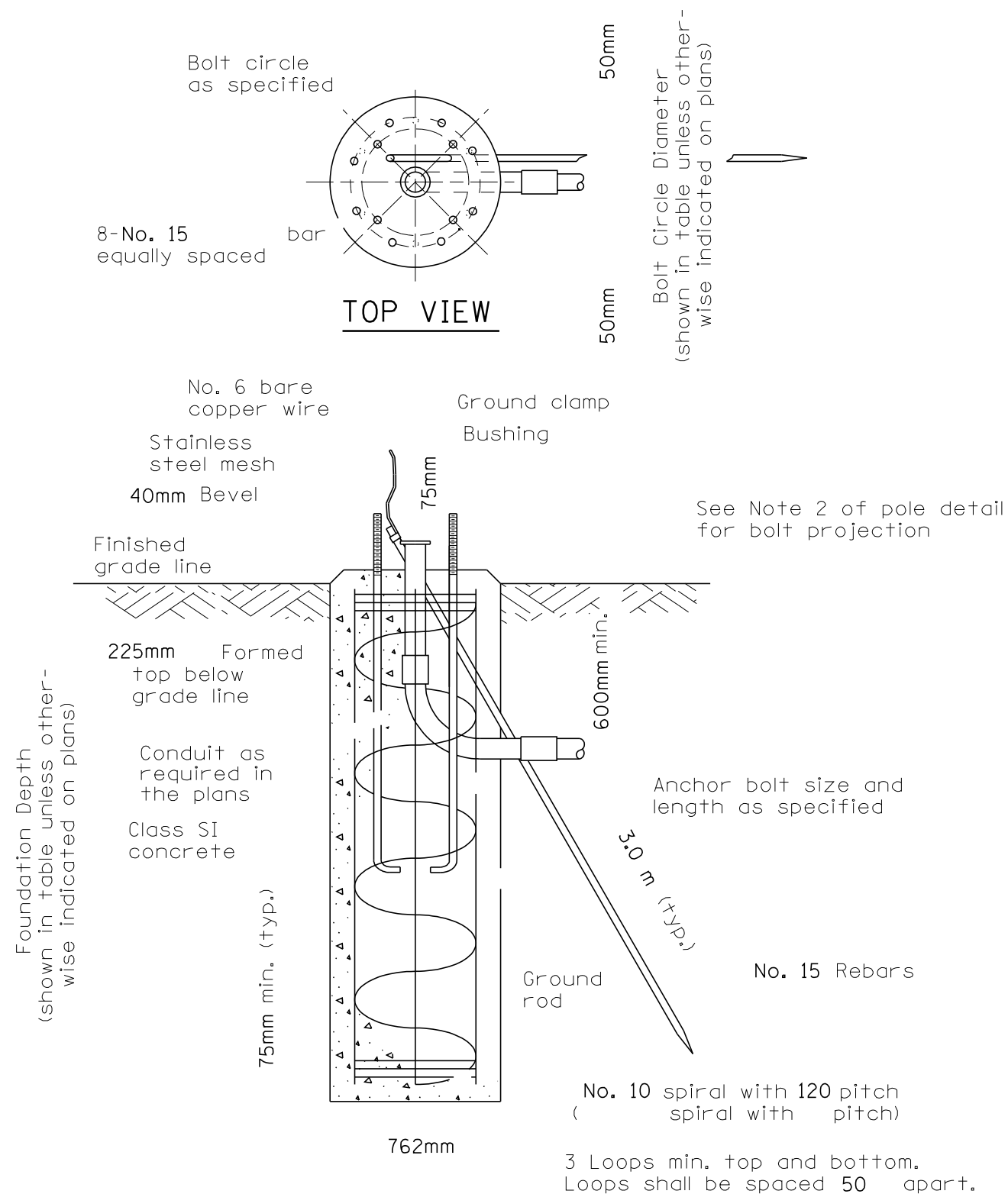


**MICROWAVE DETECTOR MOUNTING DETAILS**



**TYPICAL MICROWAVE DETECTOR INSTALLATION CROSS SECTION VIEW**

APPROVED MICROWAVE POLE DRAWING:  
VALMONT, DRAWING NUMBER IL4894404



**Notes:**

1. The Engineer shall determine the class of soil during excavation. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength ( $Q_u$ ) > 100 kPa (1.0 tsf). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. The anchor bolts and raceways shall be properly secured in place.
3. Concrete shall be class "SI" Concrete and the foundation must be cured for ten (10) days before the pole is erected.
4. The cable trench shall be backfilled and firmly compacted before the pole is erected.
5. For sloping grades, the foundation design depth shall be increased by the corresponding cross slope shaft increase factor given by:
  - A. Cohesive soil - cross slope shaft increase factor  $0.009 \times (\text{slope angle}) + 1.0$
  - B. Granular soil - cross slope shaft increase factor  $0.00005 \times (\text{slope angle}) + 1.0$
6. Install grounding system in accordance with Section 807 of the IDOT Standard Specifications.

Pole Height	Bolt Circle Diameter	Foundation depth
9.1m (30')	380mm	1.5m

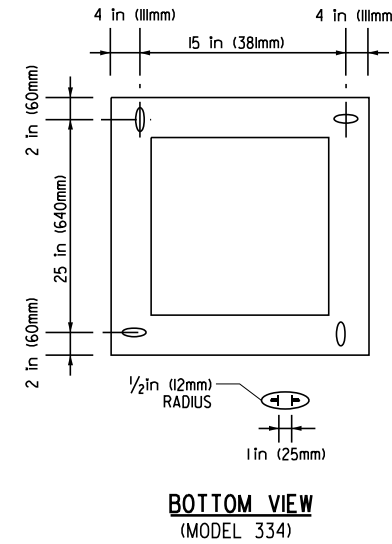
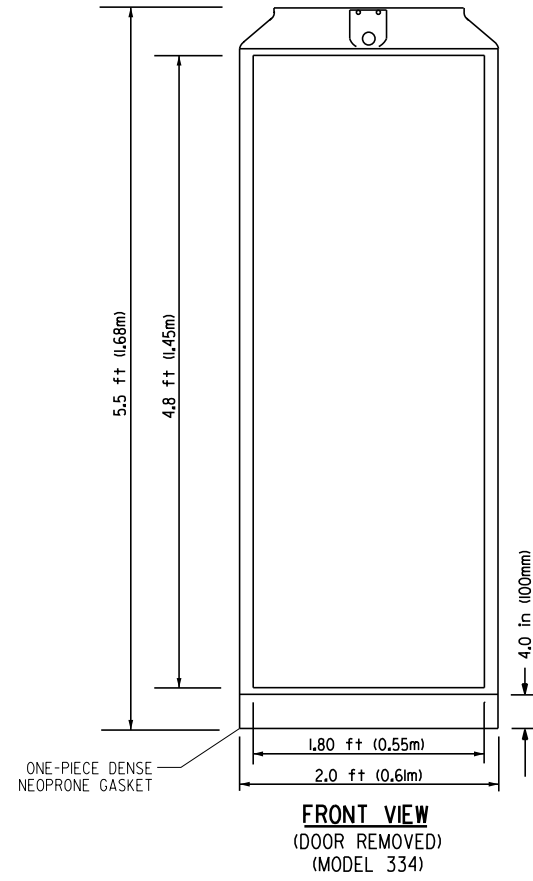
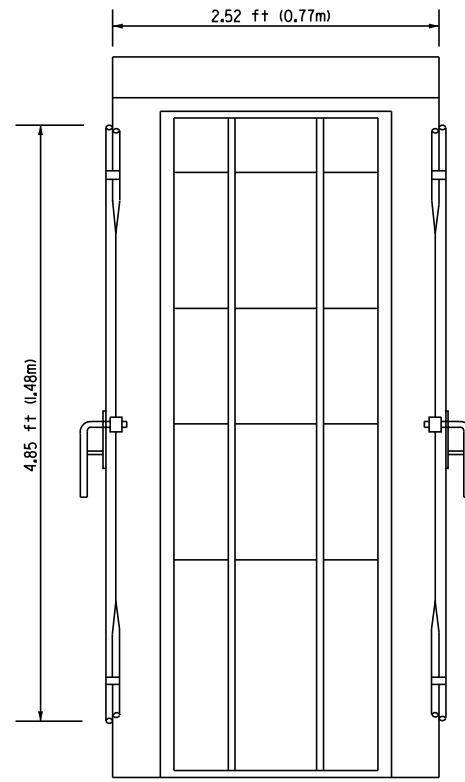
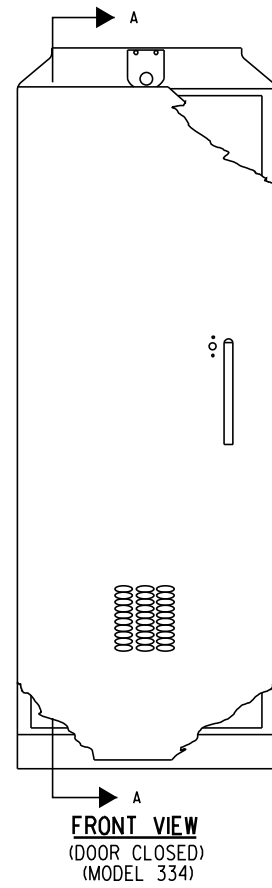
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
... \ITS (IDOT)\D468620-ITS-49.dgn	ajousif	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

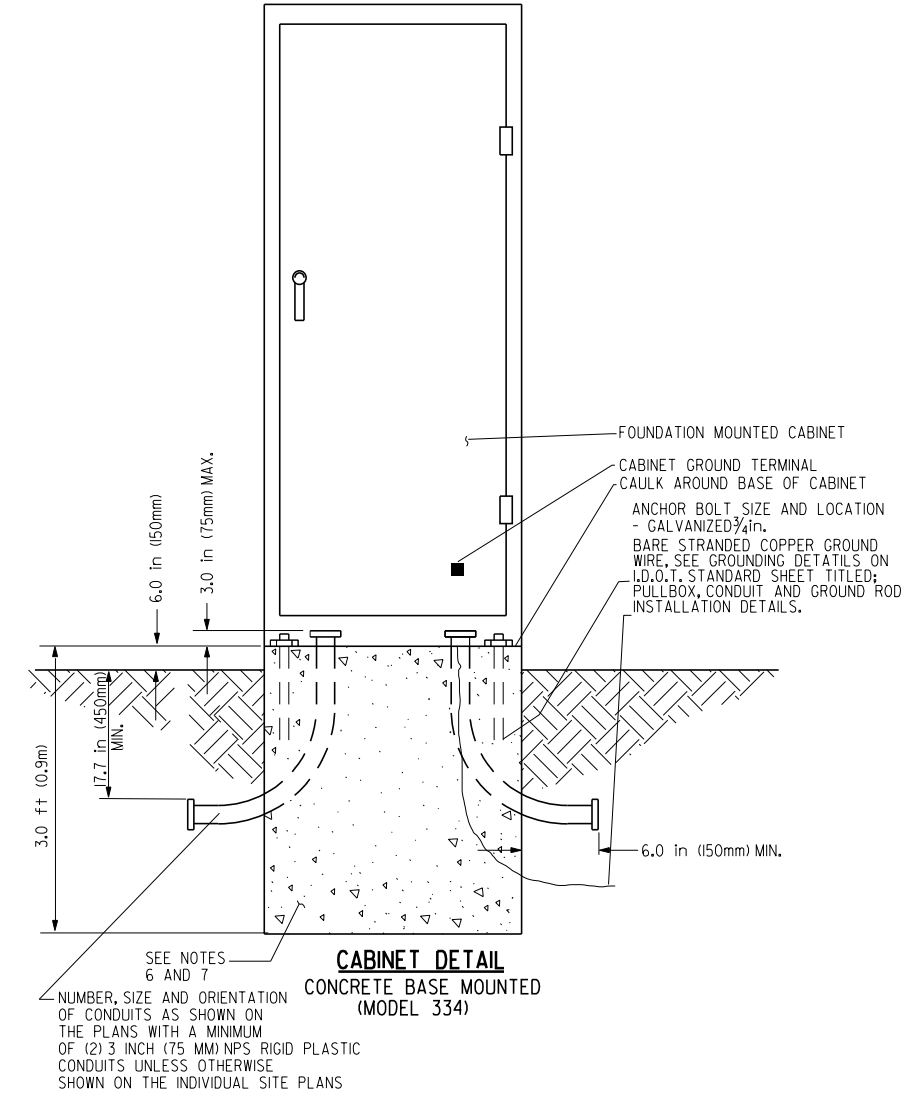
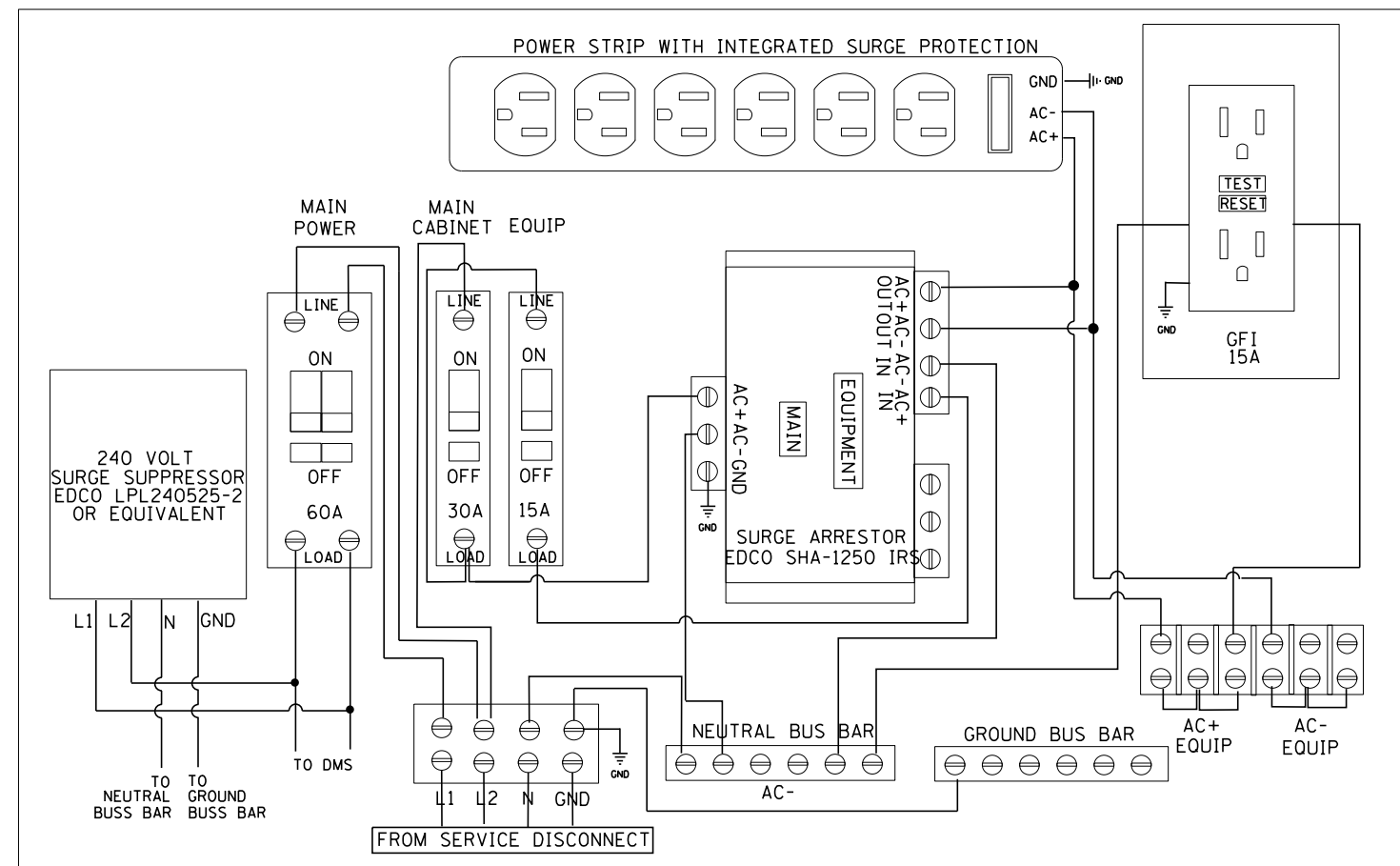
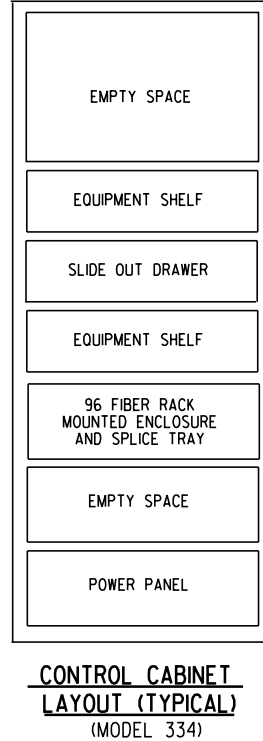
**CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER DETAIL  
FOR TRAFFIC COUNTERS**

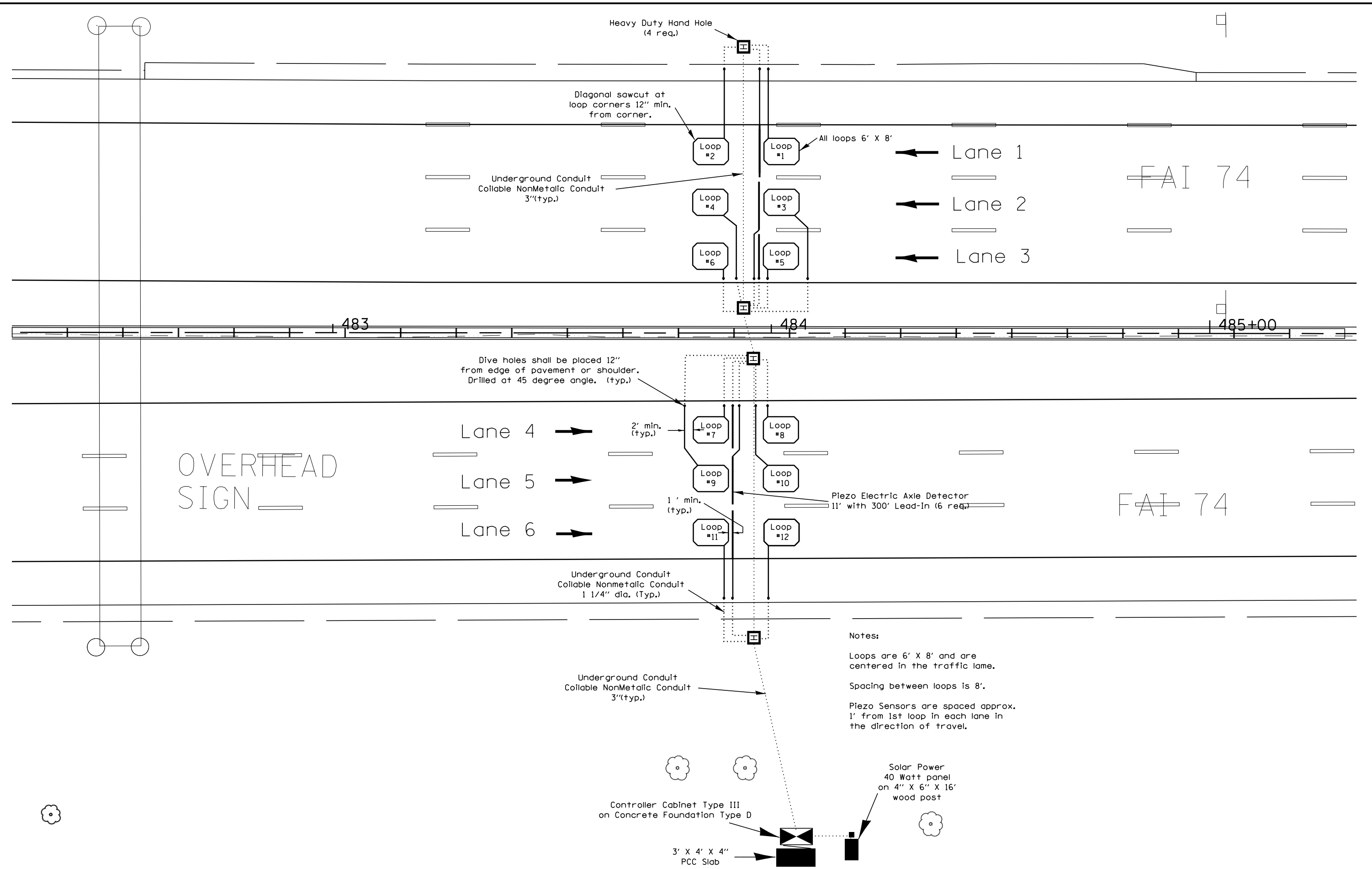
SCALE: NONE      SHEET NO. 49 OF 50 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14R;14HB-4,14,14HVB]BR	TAZEWELL	2433	1713
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				

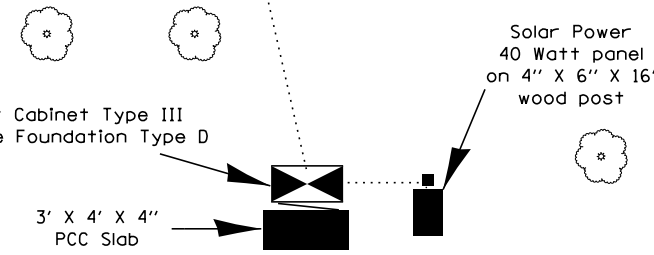


- NOTES (MODEL 334 CABINET):**
- REFER TO SPECIAL PROVISIONS FOR CABINET DETAILS AND ADDITIONAL REQUIREMENTS.
  - CABINET ENTRIES INCLUDE VERTICAL ARRANGEMENT FOR MAJOR EQUIPMENT ITEMS ONLY.
  - THERE WILL BE ADDITIONAL ITEMS INSTALLED IN THE CABINET ON SIDE AND BACK PANELS AS PER THE SPECIAL PROVISIONS.
  - PROVIDE ALL UNUSED SPACE AT BOTTOM OF CABINET.
  - THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS.
  - CONCRETE BASE TO BE FORMED AT LEAST 6.0 in (150mm) BELOW THE GROUND SURFACE.
  - CONCRETE BASE MUST BE CAST IN PLACE.
  - THE CABINET SHALL BE EQUIPPED WITH A THERMOSTATICALLY CONTROLLER VENTILATION FAN, DELUXE PLEATED FILTER, POWER PANEL, 96 FIBER RACK MOUNTED ENCLOSURE WITH SPLICE TRAYS, 19" MOUNTING RAILS, EQUIPMENT SHELF, AND SLIDE OUT DRAWER WITH STORAGE.
  - ALL WORK INDICATED SHALL BE PAID FOR UNDER ITEM CABINET, MODEL 334 EXCLUSIVE OF THE CONCRETE FOUNDATION.





Notes:  
 Loops are 6' X 8' and are centered in the traffic lane.  
 Spacing between loops is 8'.  
 Piezo Sensors are spaced approx. 1' from 1st loop in each lane in the direction of travel.



FILE NAME =	DESIGNED -	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>AUTOMATIC TRAFFIC RECORDER</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\D468620-Design_ATR_4180.dgn	DRAWN -	REVISED -						90-114R(14HB-4,14,14HVB)BR	TAZEWELL	2433	1715	
USER NAME = tblank	CHECKED -	REVISED -			SCALE:      SHEET NO.    OF    SHEETS    STA.            TO STA.			<b>CONTRACT NO. 68620</b>		ILLINOIS FED. AID PROJECT		
PLOT DATE = 7/19/2012	DATE - JULY 20, 2012	REVISED -			• 74 & 155							

**INDEX OF LIGHTING SHEETS**

LIGHTING LEGEND, QUANTITIES & GENERAL NOTES.....1-2  
 I-74 LIGHTING PLANS.....3-13  
 I-155 LIGHTING PLANS.....14-16  
 I-155 RAMP E LIGHTING PLANS.....17-18  
 I-155 RAMP F LIGHTING PLANS.....19-21  
 I-155 RAMP G LIGHTING PLANS.....22-23  
 I-155 RAMP H LIGHTING PLANS.....24-26  
 MORTON AVE LIGHTING PLANS.....27-28  
 MORTON AVE RAMP A LIGHTING PLANS.....29  
 MORTON AVE RAMP B LIGHTING PLANS.....30-31  
 MORTON AVE RAMP D LIGHTING PLANS.....32-33  
 MORTON AVE RAMP E LIGHTING PLANS.....34-35  
 MORTON AVE RAMP F LIGHTING PLANS.....36-37  
 I-74 UNDERDECK LIGHTING.....38-42  
 WIRING SCHEMATIC AND SCHEDULE.....43-45  
 TEMPORARY LIGHTING.....46-100  
 LIGHTING REMOVALS.....101-104  
 LIGHTING DETAILS.....105-115  
 OMITTED.....116-138

**ROADWAY LIGHTING CONSTRUCTION NOTES**

1. CONDUIT SHALL BE 2" PVC SCHEDULE 40, UNLESS OTHERWISE NOTED.
2. ALL CONDUIT CROSSING ROADWAYS SHALL BE 2" PVC SCHEDULE 80, UNLESS OTHERWISE NOTED.
3. 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.
4. ALL POLES AND STREET LIGHT CONTROLLERS SHALL BE CONNECTED TO A CONTINUOUS GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL CONDUCTOR 600V XLP-TYPE USE (SIZE AS INDICATED ON THE PLANS). THE CONDUCTOR SHALL BE PLACED INSIDE THE CONDUIT ALONG WITH THE INSULATED CABLE.
5. THE CONTRACTOR SHALL PROVIDE A 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 SPECIFIED.
6. ALL NON-METALLIC JUNCTION BOXES EMBEDDED IN THE PARAPET WALLS SHALL BE CONSTRUCTED FROM POLYMER CONCRETE AS SPECIFIED IN ARTICLE 1088.05.
7. JUNCTION BOXES OF "SLIGHTLY" LARGER THAN THOSE SPECIFIED ON THE PLANS MAY BE USED WHEN APPROVED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.
8. EXISTING AND/OR TEMPORARY LIGHTING UNITS SHALL NOT BE REMOVED UNTIL THE NEW LIGHTING SYSTEM IS COMPLETELY INSTALLED AND FULLY OPERATIONAL TO THE SATISFACTION OF THE ENGINEER.

**ESTIMATED PROJECT LIGHTING QUANTITIES**

DESCRIPTION	UNIT	TOTAL
ELECTRIC SERVICE INSTALLATION	EACH	3
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2,141
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	290
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	14,869
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	24
JUNCTION BOX EMBEDDED IN STRUCTURE 8" X 24" X 10"	EACH	6
UNIT DUCT,600V,2 1C NO.10, 1/C NO.10 GND,(XLP-TYPE USE),3/4" DIA. POLY.	FOOT	262
UNIT DUCT,600V,2 1C NO.4,1/C NO.6 GND,(XLP-TYPE USE), 1 1/4" DIA. POLY.	FOOT	17,041
UNIT DUCT,600V,2 1C NO.2,1/C NO.4 GND,(XLP-TYPE USE),1 1/4" DIA. POLY.	FOOT	10,425
UNIT DUCT,600V,4 1C NO.2, 1/C NO.4 GND,(XLP-TYPE USE),1 1/2" DIA. POLY.	FOOT	1,193
UNIT DUCT,600V,4 1C NO.6, 1/C NO.6 GND,(XLP-TYPE USE),1 1/4" DIA. POLY.	FOOT	145
UNIT DUCT,600V,4 1C NO.4, 1/C NO.6 GND,(XLP-TYPE USE),1 1/2" DIA. POLY.	FOOT	2,221
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO.10	FOOT	1,815
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	4,258
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYP USE), 1/C NO. 6	FOOT	19,446
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYP USE), 1/C NO. 4	FOOT	24,939
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	1,124
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	855
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	123
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	138
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	8
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	3
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	11
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	101
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	48
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	39
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	867
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	138
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	38
REMOVAL OF POLE FOUNDATION	EACH	38
REMOVAL OF LIGHTING CONTROLLER	EACH	2
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2
CONDUIT, FLEXIBLE NON METALLIC, WEATHERPROOF, 1.0" DIAMETER	FOOT	60
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	501
CONDUIT ATTACHED TO STRUCTURE, 2" DIA. STAINLESS STEEL	FOOT	515
LIGHT POLE FOUNDATION, SPECIAL	FOOT	260
LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL	FOOT	24
TEMPORARY LIGHTING SYSTEM	L SUM	1

**ROADWAY LIGHTING GENERAL NOTES**

1. ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL, STATE, AND LOCAL CODES.
2. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A COMPLETE AND PROPERLY OPERATING ELECTRICAL LIGHTING SYSTEM. THE EQUIPMENT SHALL BE FURNISHED AS SPECIFIED AND SHALL INCLUDE ALL INCIDENTAL ITEMS NECESSARY TO PROVIDE A COMPLETE WORKING SYSTEM. INCIDENTAL ITEMS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING ITEMS: ANCHORAGES, MOUNTING HARDWARE, CONNECTORS, LUGS, FUSES, ETC.
3. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND TYPE OF UTILITIES IN AREAS TO BE EXCAVATED PRIOR TO THE COMMENCEMENT OF ANY WORK AND SHALL HAND EXCAVATE AS REQUIRED IN ORDER TO NOT INTERRUPT ANY EXISTING SERVICES. SEE CIVIL DRAWINGS FOR LOCATIONS OF EXISTING AND NEW UTILITIES. IF, IN PERFORMING WORK, DAMAGE TO EXISTING UTILITIES OCCURS, THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNER IMMEDIATELY AND PAY ANY COST INCURRED FOR REPAIR OR REPLACEMENT.
4. 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.






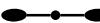






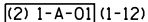

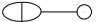
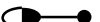


**ROADWAY LIGHTING GENERAL NOTES (CONTINUED)**

5. REMOVE ALL ABANDONED LIGHT POLE FOOTINGS TO 3' BELOW GRADE AND COMPLETELY REMOVE HANDHOLES, BACKFILL AND COMPACT.
6. ALL REPLACEMENT AND TEMPORARY WIRING SHALL BE EQUAL TO OR GREATER THAN THE EXISTING WIRE GAUGE. ALL PERMANENTLY INSTALLED CURRENT CARRYING CONDUCTORS SHALL BE XLP-TYPE USE.
7. NO SPLICING IS ALLOWED INSIDE ELECTRICAL DUCTS. ALL WIRING INTERCONNECTIONS SHALL BE ABOVE GRADE AND INSTALLED IN ACCESSIBLE AREAS AND SHALL BE MADE WITH ILLINOIS DOT APPROVED CONNECTORS.
8. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING STATE OWNED LIGHTING AND / OR TRAFFIC SIGNAL UTILITIES WITHIN THE LIMITS OF THE CONTRACT.
9. GUY WIRES SHALL BE INSTALLED AS REQUIRED AT ALL LOCATIONS WHERE AN UNEVEN STRAIN SHALL BE PLACED ON A POLE, OR AS DIRECTED BY THE ENGINEER. THE PRICE FOR THE GUY WIRES SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR "TEMPORARY LIGHTING SYSTEM."

FILE NAME =	DESIGNED - BENESCH	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING QUANTITIES & GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...D468620-shit-Lighting Schedules-light00.dgn	DRAWN - NLH	REVISED -				90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1716	
USER NAME = tblank	CHECKED - GHT	REVISED -				CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -				ILLINOIS FED. AID PROJECT				



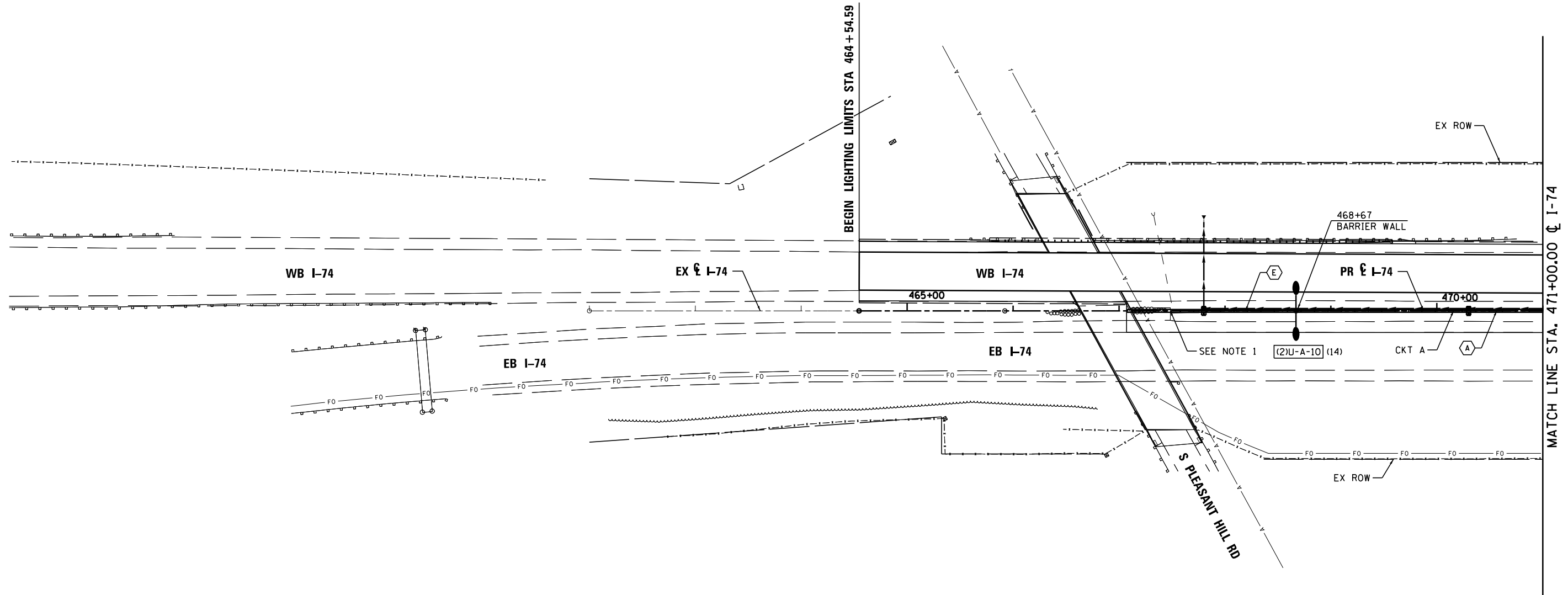
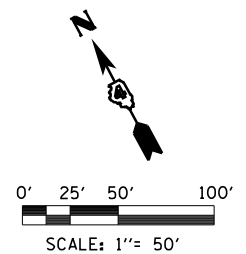
**LIGHTING LEGEND**

-  PROPOSED LIGHTING CONTROLLER, 480 VOLT, SINGLE PHASE, 200 AMP
-  EXISTING LIGHTING CONTROLLER
-  EXISTING LIGHTING CONTROLLER TO BE REMOVED
-  JUNCTION BOX, SIZE AND MATERIAL AS NOTED
-  PROPOSED STREET LIGHT, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM WITH A 400W M-C-III LUMINAIRE
-  PROPOSED STREET LIGHT, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN WITH 2-400W M-C-III LUMINAIRES
-  PROPOSED STREET LIGHT, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM WITH A 250W M-C-III LUMINAIRE
-  PROPOSED STREET LIGHT, GALVANIZED STEEL, 40 FT. M.H., 12 FT. MAST ARM, TWIN WITH 2-250W M-C-III LUMINAIRES
-  EXISTING LIGHTING UNIT
-  TRAFFIC SIGNAL / STREET LIGHT COMBINATION
-  CONDUIT IN TRENCH / UNIT DUCT
-  AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE, UNLESS OTHERWISE NOTED
-  LIGHT POLE DESIGNATION  
  - (2) 1-A-01 (1-12)
  - CONSTRUCTION STAGE TO BE REMOVED
  - CONSTRUCTION STAGE TO BE CONSTRUCTED
  - POLE NUMBER
  - CIRCUIT
  - CONTROL CABINET
  - NUMBER OF LUMINAIRES (IF MORE THAN 1)
-  EXISTING LIGHT TO BE REMOVED
-  EXISTING TEMPORARY LIGHTING UNIT
-  PROPOSED TEMPORARY LIGHTING UNIT, WOOD, 70 FOOT, CLASS 3, WITH 400W MULTI-MOUNT LUMINAIRE
-  PROPOSED TEMPORARY LIGHTING UNIT, WOOD, 70 FOOT, CLASS 3, UNLESS OTHERWISE NOTED
-  UNDERGROUND CONDUIT, PVC, SIZE AS NOTED

**CONDUIT/CABLE CALLOUT LEGEND**

- (A) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 2-1/C NO. 4, 1/C NO. 6 GROUND IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- (B) UNIT DUCT, 600V, 4-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE IN 2" DIA. PVC CASING
- (C) UNIT DUCT, 600V, 4-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
- (D) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3-1/C NO. 3/0 IN 2" DIA. PVC UNDERGROUND CONDUIT
- (E) 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE EMPTY
- (F) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 2-1/C NO. 6, 1/C NO. 8 GROUND IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- (G) UNIT DUCT, 600V, 4-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE IN 2" DIA. PVC CASING
- (H) UNIT DUCT, 600V, 4-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
- (I) UNIT DUCT, 600V, 2-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE AND UNIT DUCT, 600V, 2-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE IN 5" DIA. PVC CASING
- (J) ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1/C NO. 4, 1/C NO. 6 GROUND IN 2" DIA. STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE
- (K) UNIT DUCT, 600V, 2-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE IN 2" DIA. PVC CASING
- (L) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 4-1/C NO. 4, 1/C NO. 6 GROUND IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- (M) UNIT DUCT, 600V, 2-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- (N) UNIT DUCT, 600V, 2-1/C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- (O) UNIT DUCT, 600V, 2-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- (P) UNIT DUCT, 600V, 2-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE IN 2" DIA. PVC CASING
- (R) UNIT DUCT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE IN 2" DIA. PVC CASING
- (S) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 2-1/C NO. 10, 1/C NO. 10 GROUND IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- (T) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 2-1/C NO. 10, 1/C NO. 10 GROUND IN 1" DIA. STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE
- (V) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 4-1/C NO. 2, 1/C NO. 4 GROUND IN 2" DIA. STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE
- (W) UNIT DUCT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

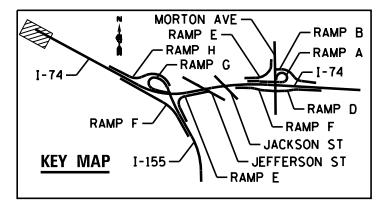
FILE NAME =	DESIGNED - BENESCH	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	<b>LIGHTING LEGEND</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...\\D468620-sh-1-Lighting Schedules-light01.dgn	DRAWN - NLH	REVISED -			90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1717	CONTRACT NO. 68620		ILLINOIS FED. AID PROJECT	
USER NAME = tblank	CHECKED - GHT	REVISED -			SCALE:		SHEET NO. 2 OF 138 SHEETS	STA.	TO STA.			
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -										



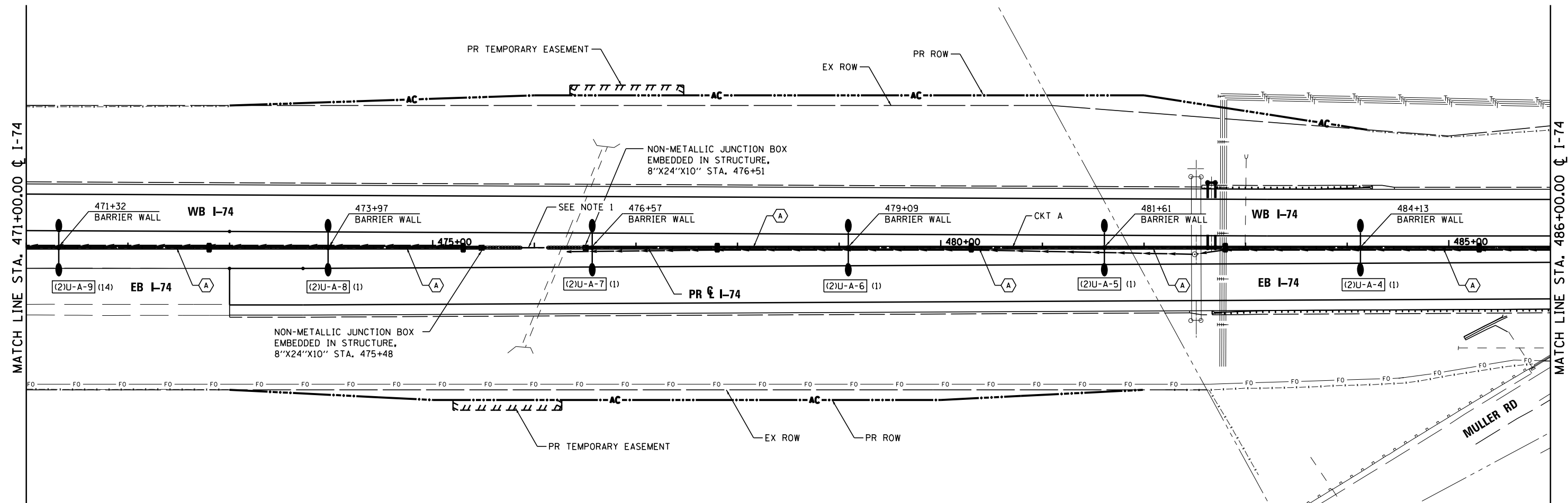
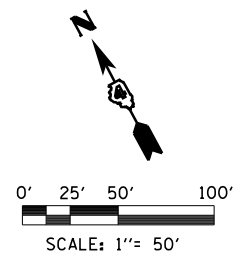
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC	FOOT	401
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	251
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	502
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
LIGHT POLE FOUNDATION, SPECIAL	FOOT	5
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	1

**NOTES:**  
1. CAP AND SEAL CONDUIT FOR FUTURE CONNECTION



FILE NAME = ...D468620-sh1-1-74-light01.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-74</b> <b>LIGHTING PLANS</b>	F.A.I. RTE. = 90-[14R;(14HB-4,14,14HB)BR]	SECTION = TAZEWELL	COUNTY =	TOTAL SHEETS = 2433	SHEET NO. = 1718		
USER NAME = tblank	DRAWN - NLH	REVISED -				SCALE: 1"=50'	SHEET NO. 3 OF 138 SHEETS	STA. TO STA. 471+00	CONTRACT NO. 68620			
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -				DATE - JULY 20, 2012	ILLINOIS FED. AID PROJECT					

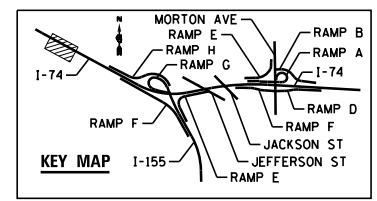


**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

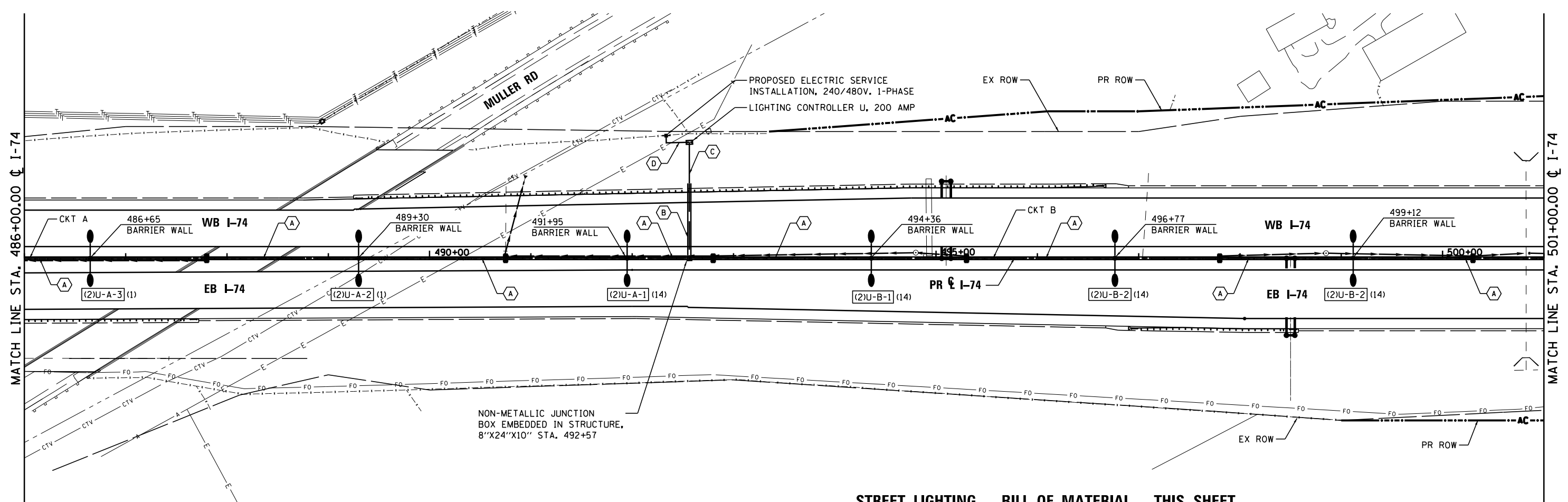
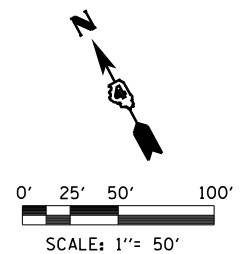
PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	103
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1445
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1628
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	3256
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12
LIGHT POLE FOUNDATION, SPECIAL	FOOT	30
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	6
JUNCTION BOX EMBEDDED IN STRUCTURE 8" X 24" X 10"	EACH	2

**NOTES:**

- 2" PVC CONDUIT BETWEEN EMBEDDED JUNCTION BOXES SHALL BE PLACED UNDER THE EMERGENCY TURN AROUND PAVEMENT. THE PVC CONDUIT SHALL BE SCHEDULE 80.

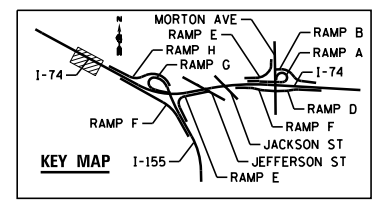


FILE NAME = ...D468620-sh1-1-74-light02.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-74 LIGHTING PLANS</b>	F.A.I. RTE. =	SECTION = 90-[14R(14HB-4,14,14HB)BR]	COUNTY = TAZEWELL	TOTAL SHEETS = 2433	SHEET NO. = 1719		
USER NAME = tblank	CHECKED - GHT	REVISED -				SCALE: 1"=50'	SHEET NO. 4 OF 138 SHEETS	STA. 471+00 TO STA. 486+00	CONTRACT NO. 68620			
PLOT DATE = 9/5/2012	DATE = JULY 20, 2012	REVISED -				ILLINOIS FED. AID PROJECT						

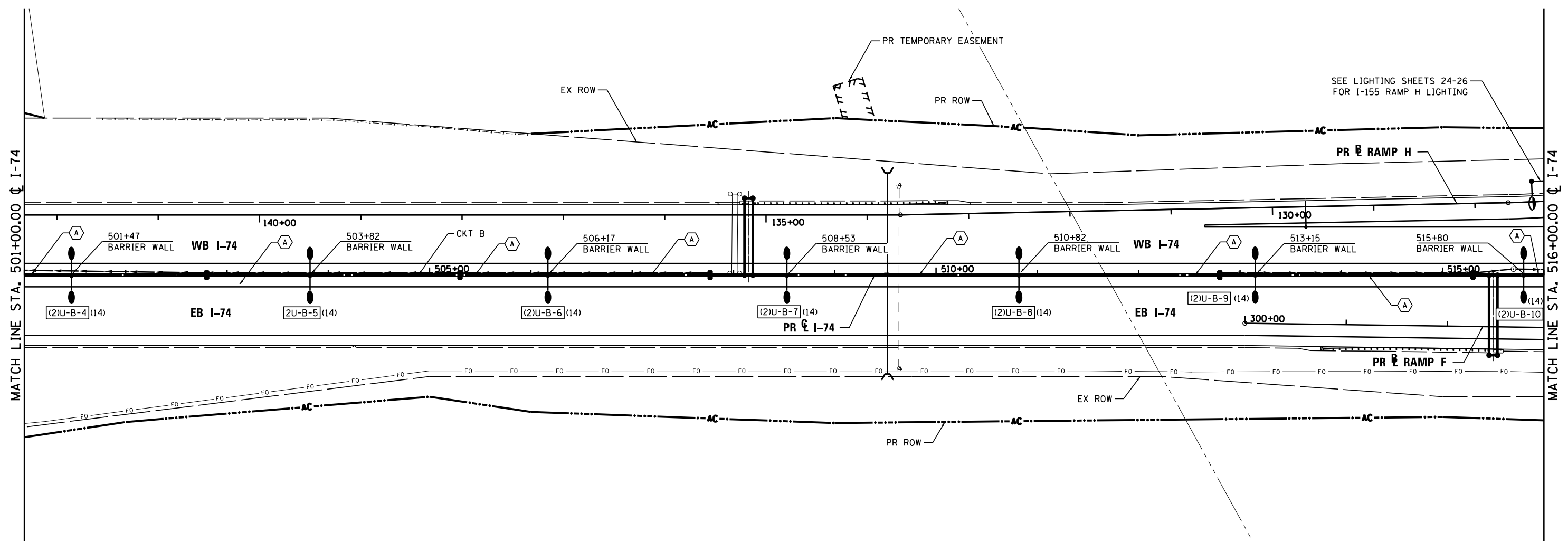
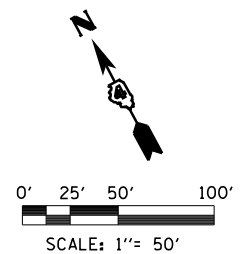


**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	150
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1548
UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	125
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1608
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	3216
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	285
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1
LIGHT POLE FOUNDATION, SPECIAL	FOOT	30
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	6
JUNCTION BOX EMBEDDED IN STRUCTURE 8" X 24" X 10"	EACH	1

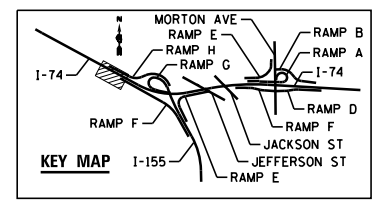


FILE NAME = ...D468620-sh-t-1-74-light03.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-74 LIGHTING PLANS</b>	F.A.I. RTE. =	SECTION = 90-[14R;(14HB-4,14,14HVB)BR]	COUNTY = TAZEWELL	TOTAL SHEETS = 2433	SHEET NO. = 1720			
USER NAME = tblank	CHECKED - GHT	REVISED -				SCALE: 1"=50'	SHEET NO. 5 OF 138 SHEETS	STA. 486+00 TO STA. 501+00	CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	DATE = JULY 20, 2012	REVISED -				ILLINOIS FED. AID PROJECT							
• 74 & 155													



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1556
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1626
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	3252
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	14
LIGHT POLE FOUNDATION, SPECIAL	FOOT	35
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	7



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shr-1-74-light104.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

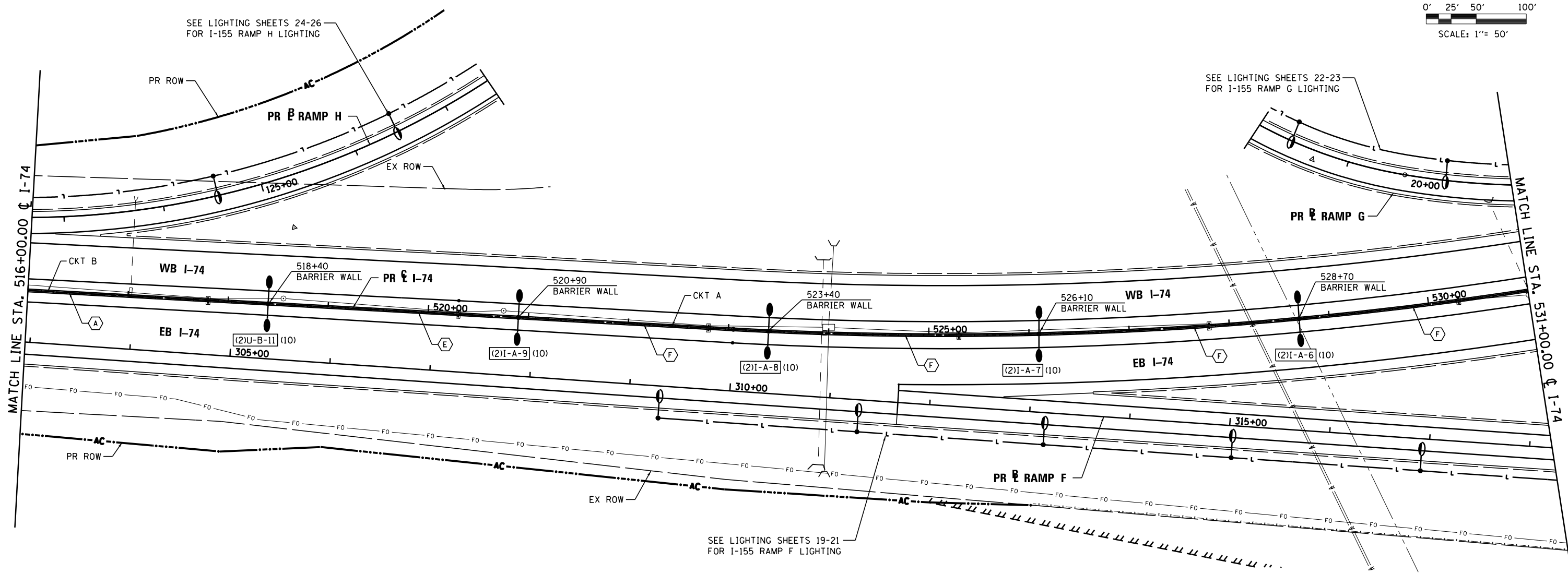
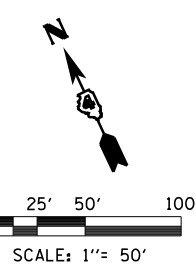


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-74  
LIGHTING PLANS**

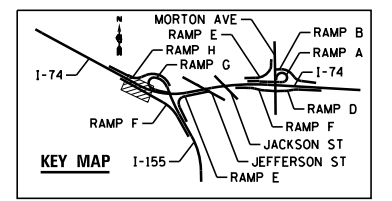
SCALE: 1"=50'    SHEET NO. 6 OF 138 SHEETS    STA. 501+00 TO STA. 516+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	ILLINOIS	2433	1721
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1540
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1082
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2422
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	516
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	10
LIGHT POLE FOUNDATION, SPECIAL	FOOT	25
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	5



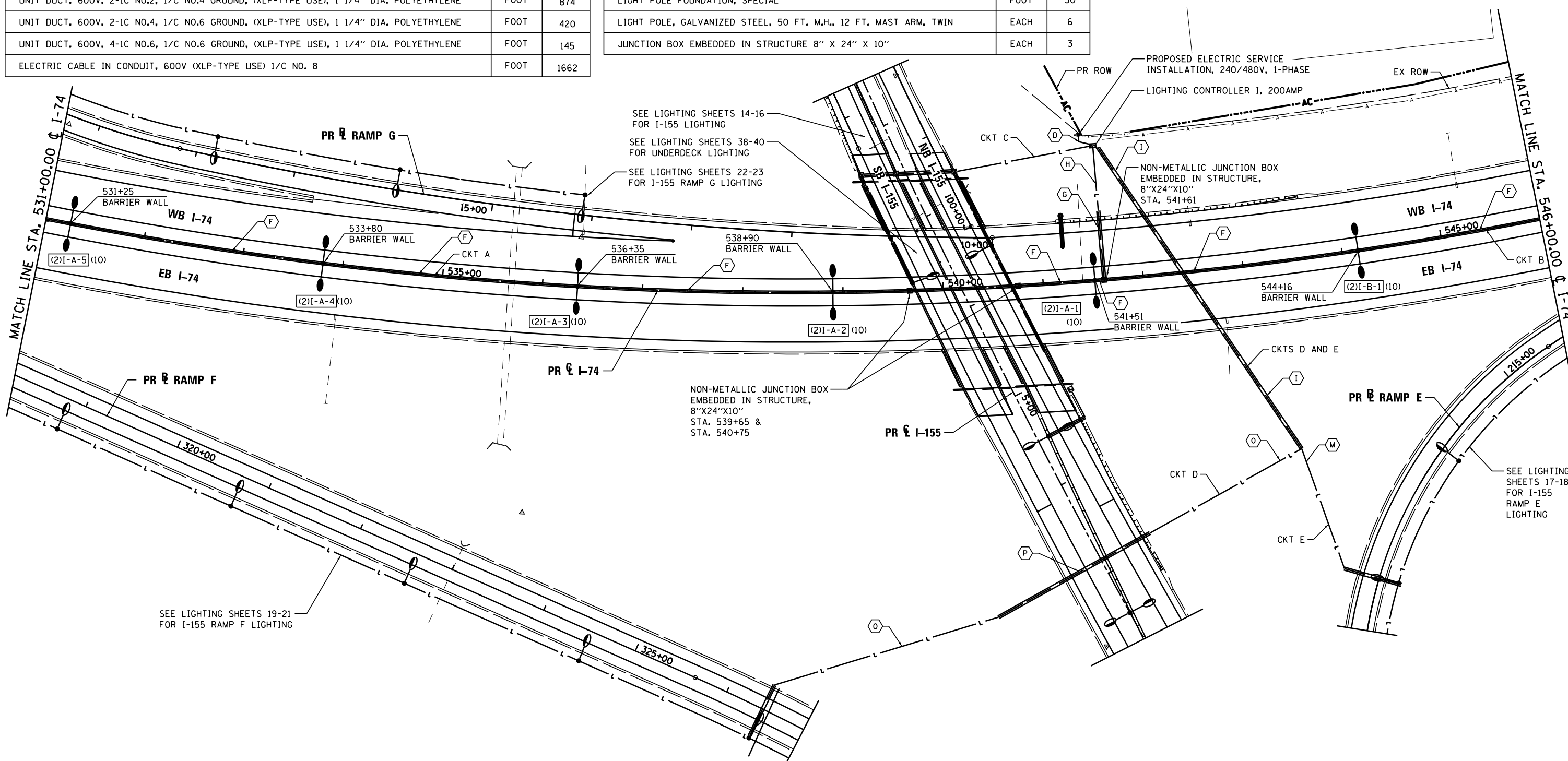
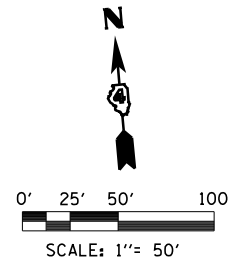
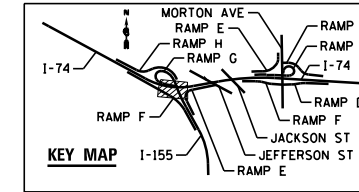
FILE NAME = ...D468620-sh1-1-74-light05.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-74</b> <b>LIGHTING PLANS</b>	F.A.I. RTE. = 90-114R(14HB-4,14,14HVB)BRJ	SECTION = TAZEWELL	COUNTY =	TOTAL SHEETS = 2433	SHEET NO. = 1722
USER NAME = tblank	CHECKED - GHT	REVISED -				CONTRACT NO. 68620	ILLINOIS FED. AID PROJECT			
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -				SCALE: 1"=50'	SHEET NO. 7 OF 138 SHEETS	STA. 516+00 TO STA. 531+00		
• 74 & 155										

**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	325
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	290
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1572
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	874
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	420
UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	145
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1662

**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3324
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	285
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1
LIGHT POLE FOUNDATION, SPECIAL	FOOT	30
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	6
JUNCTION BOX EMBEDDED IN STRUCTURE 8" X 24" X 10"	EACH	3



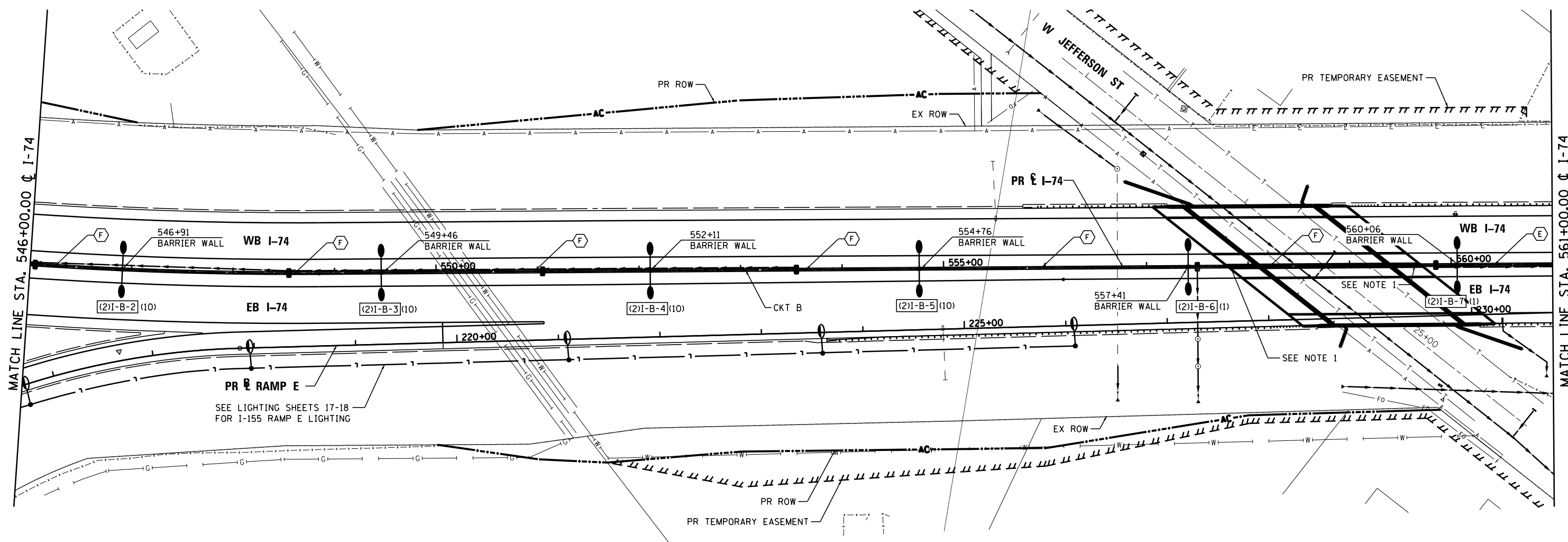
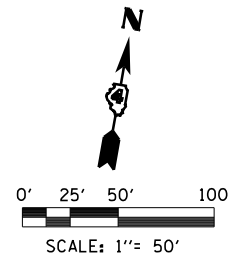
FILE NAME = ...D468620-sh1-1-74-light06.dgn	DESIGNED - BENESCH	REVISED -
USER NAME = tblank	DRAWN - NLH	REVISED -
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -
	DATE - JULY 20, 2012	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-74  
LIGHTING PLANS**  
SCALE: 1"=50' SHEET NO. 8 OF 138 SHEETS STA. 531+00 TO STA. 546+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14Rz(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1723
CONTRACT NO. 68620			ILLINOIS FED. AID PROJECT	

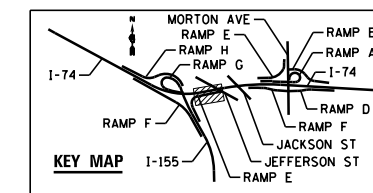


**NOTES:**

1. AN EXPANSION DEFLECTION COUPLING SHALL BE INSTALLED AT THIS LOCATION. COST FOR EXPANSION / DEFLECTION COUPLING SHALL BE INCIDENTAL TO "CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC."

**STREET LIGHTING - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1548
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1514
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3028
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12
LIGHT POLE FOUNDATION, SPECIAL	FOOT	30
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	6



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-light07.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

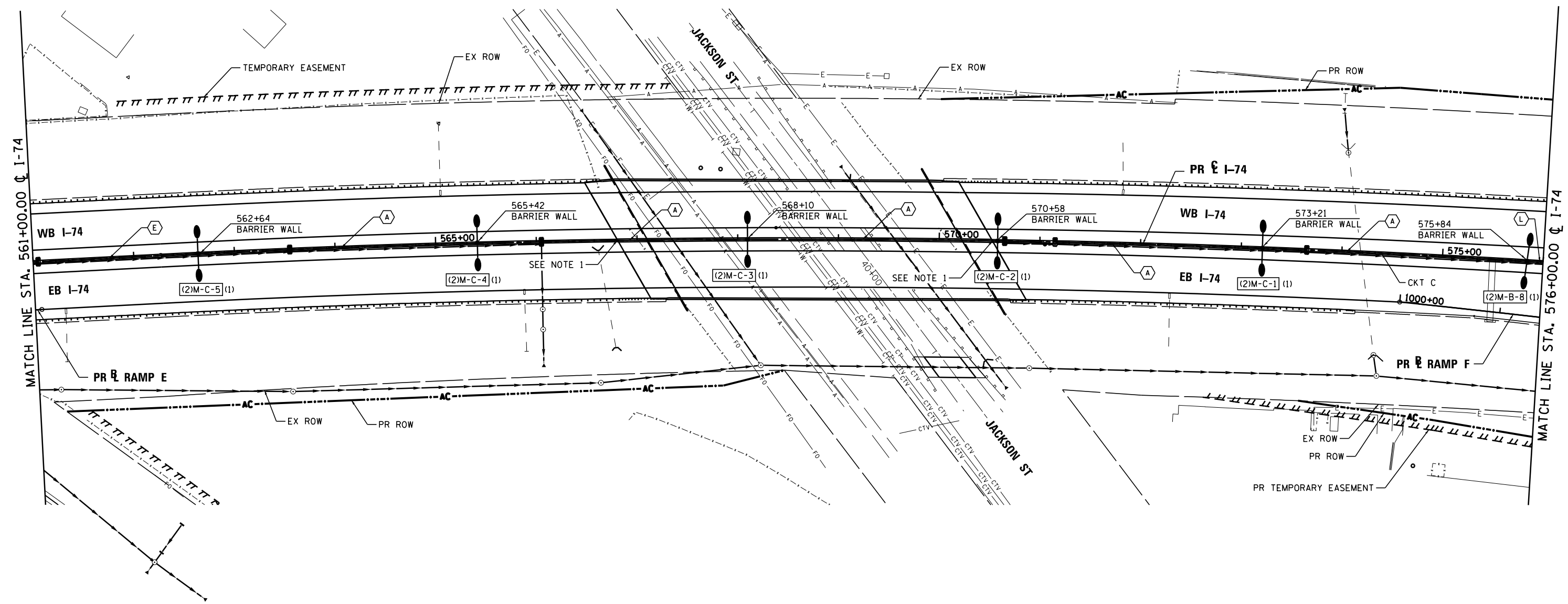
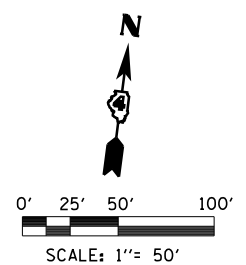


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-74  
LIGHTING PLANS  
SCALE: 1"=50' SHEET NO. 9 OF 138 SHEETS STA. 546+00 TO STA. 561+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	ILLINOIS	2433	1724
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

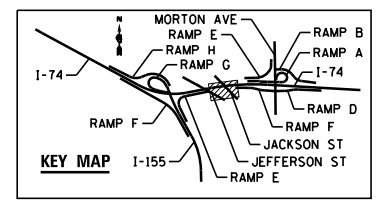




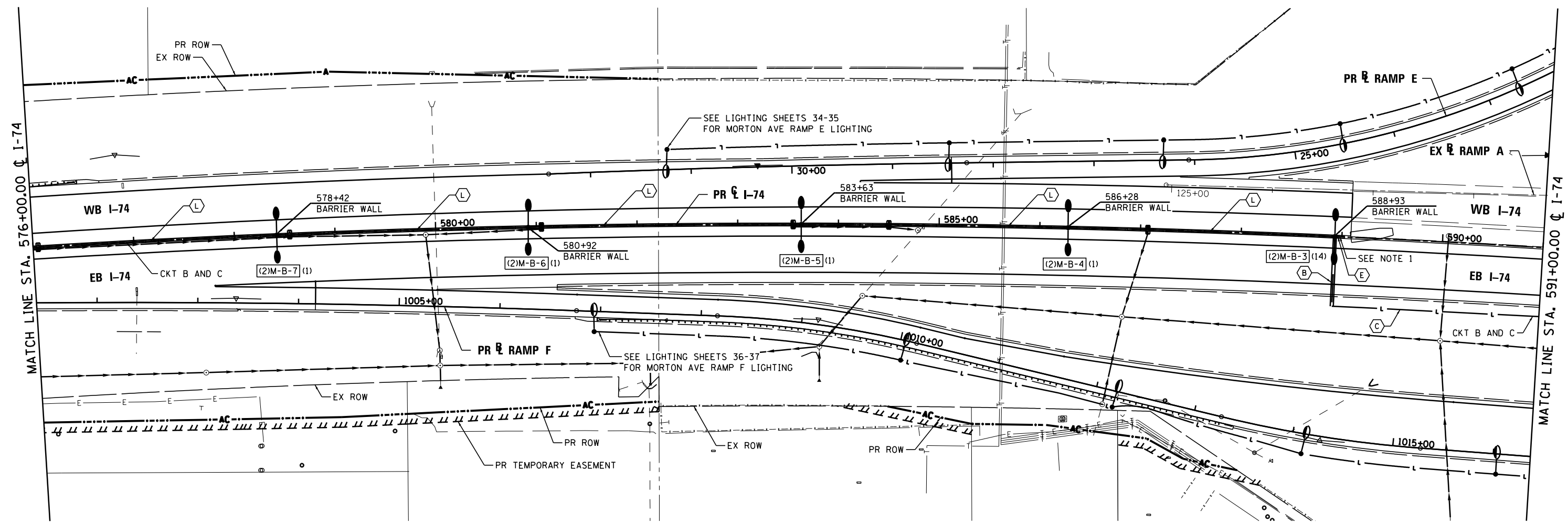
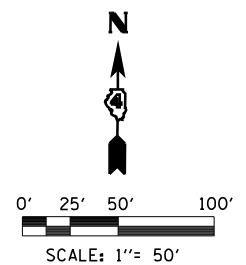
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

**NOTES:**  
 1. AN EXPANSION DEFLECTION COUPLING SHALL BE INSTALLED AT THIS LOCATION. COST FOR EXPANSION / DEFLECTION COUPLING SHALL BE INCIDENTAL TO "CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC."

PAY ITEM	UNIT	QTY
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1548
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1444
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2920
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12
LIGHT POLE FOUNDATION, SPECIAL	FOOT	30
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST TWIN	EACH	6



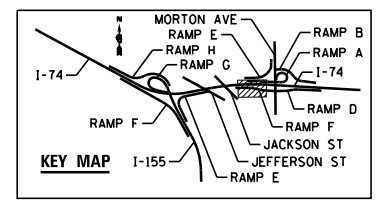
FILE NAME = ...ND468620-sh1-1-74-light08.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-74</b> <b>LIGHTING PLANS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = tblank	DRAWN - NLH	REVISED -				90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1725	
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -				<b>CONTRACT NO. 68620</b>				
DATE - JULY 20, 2012	REVISIONS	REVISED -				ILLINOIS FED. AID PROJECT				



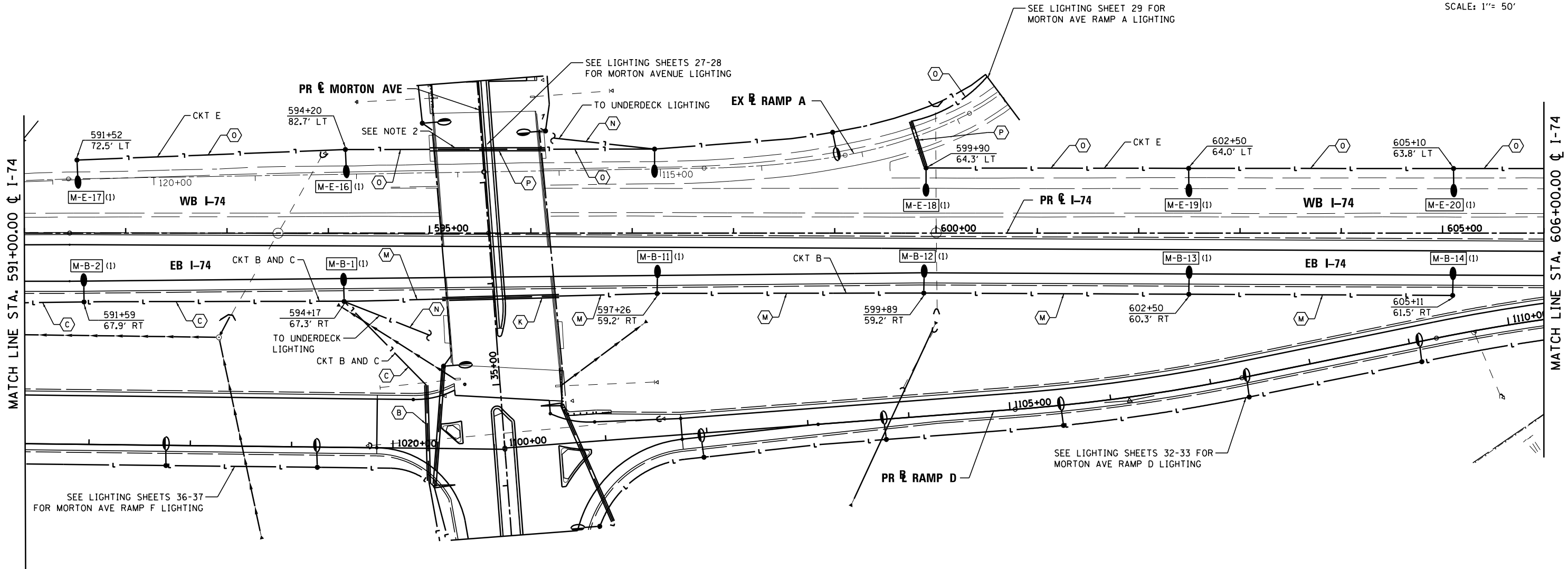
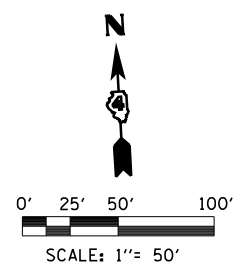
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	75
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1343
UNIT DUCT, 600V, 4-1C NO.4, 1/2" NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	282
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 6	FOOT	1383
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 4	FOOT	5532
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	10
LIGHT POLE FOUNDATION, SPECIAL	FOOT	25
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	5

**NOTES:**  
 1. CAP AND SEAL CONDUIT FOR FUTURE CONNECTION



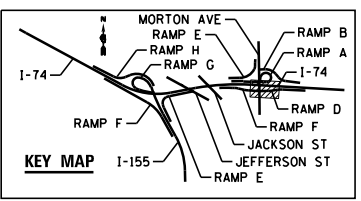
FILE NAME = ...D468620-sh1-1-74-light09.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-74</b> <b>LIGHTING PLANS</b>	F.A.I. RTE. = 90-[14R;(14HB-4,14,14HB)BR]	SECTION = TAZEWELL	COUNTY =	TOTAL SHEETS = 2433	SHEET NO. = 1726			
USER NAME = tblank	DRAWN - NLH	REVISED -				SCALE: 1"=50'	SHEET NO. 11 OF 138 SHEETS	STA. 576+00 TO STA. 591+00	CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -				ILLINOIS FED. AID PROJECT							
DATE = JULY 20, 2012	REVISIONS	REVISIONS				• 74 & 155							



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	380
UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	262
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1094
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1327
UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	529
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	11
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	77
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	11
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	11

- NOTES:**
1. FOR UNDERDECK LIGHTING SEE SHEETS 40-41.
  2. CONTRACTOR SHALL DIRECTIONAL BORE 2" CASING UNDER SHOULDER SLOPE WALL.



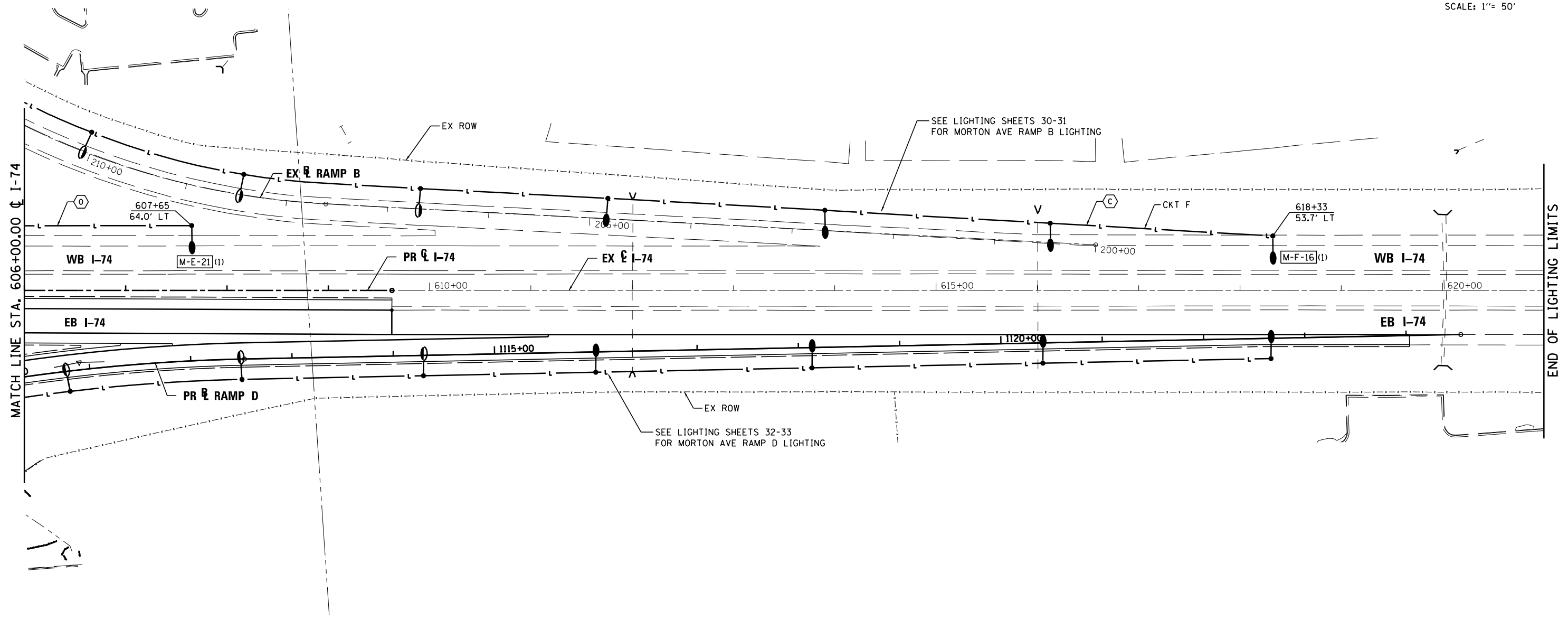
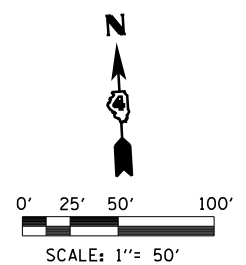
FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shd-1-74-light10.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

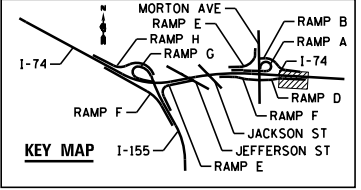
**I-74  
LIGHTING PLANS**  
SCALE: 1"=50' SHEET NO. 12 OF 138 SHEETS STA. 591+00 TO STA. 606+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	ILLINOIS	2433	1727
CONTRACT NO. 68620				



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	385
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	14
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	2
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	2



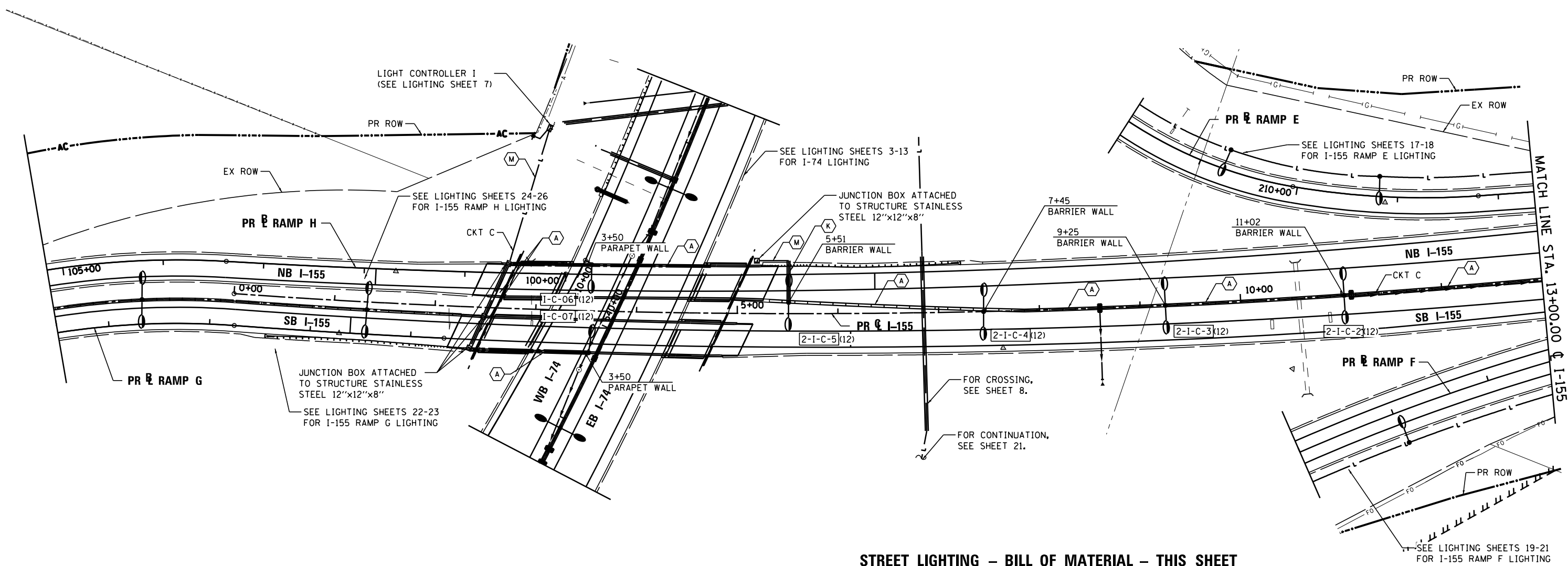
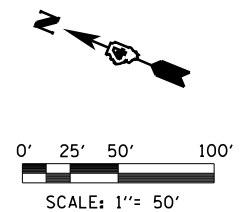
FILE NAME =	DESIGNED - BENESCH	REVISED -
...ND468620-sh1-1-74-light11.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

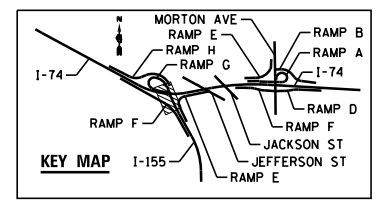
**I-74  
LIGHTING PLANS**  
SCALE: 1"=50' SHEET NO. 13 OF 138 SHEETS STA. 606+00 TO STA. 621+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1728	
<b>CONTRACT NO. 68620</b>				
ILLINOIS FED. AID PROJECT				

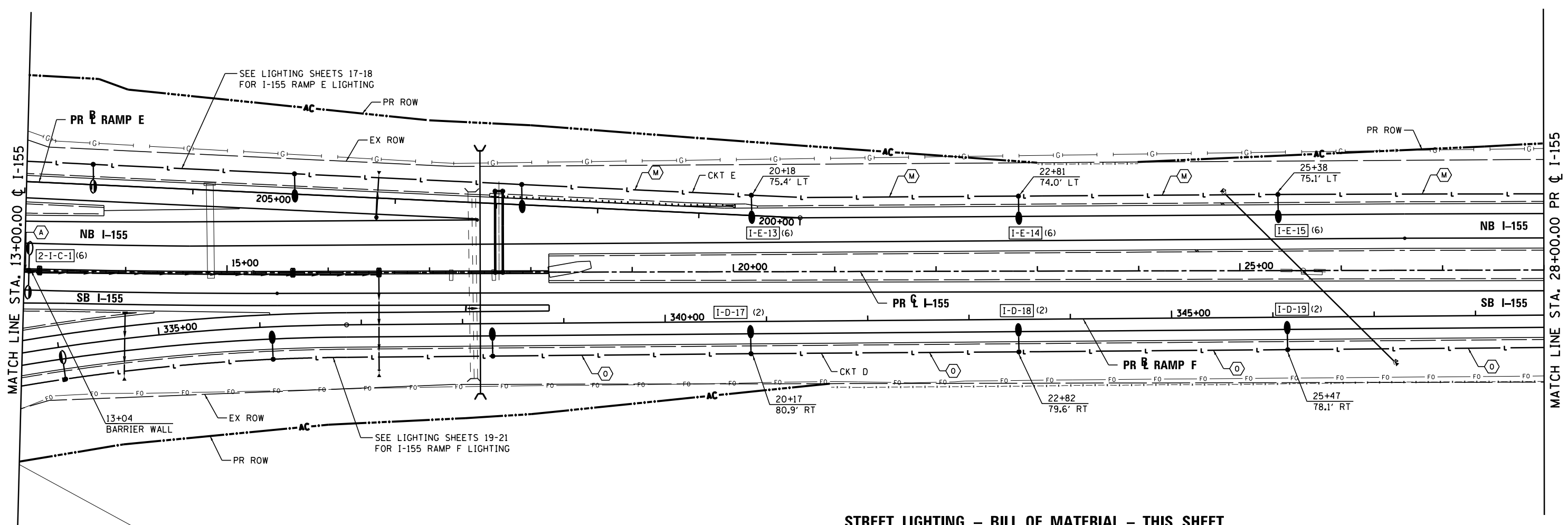
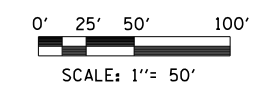
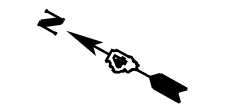


**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	92
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1115
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	4
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1/4" DIA. POLYETHYLENE	FOOT	306
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1205
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2410
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	10
LIGHT POLE FOUNDATION, SPECIAL	FOOT	16
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	2
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	4

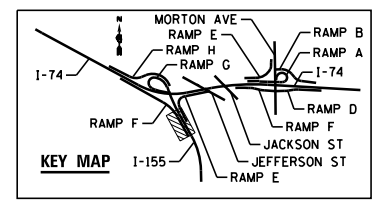


FILE NAME = ...D468620-sh-t-1-155-light13.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-155 LIGHTING PLANS</b>	F.A.I. RTE. =	SECTION = 90-[14R(14HB-4,14,14HB)BR]	COUNTY = TAZEWELL	TOTAL SHEETS = 2433	SHEET NO. = 1729	
USER NAME = tblank	CHECKED - GHT	REVISED -		SCALE: 1"=50'	SHEET NO. 14 OF 138 SHEETS	STA. TO STA. 13+00	CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -		ILLINOIS FED. AID PROJECT							
• 74 & 155											



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	5
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1/4" DIA. POLYETHYLENE	FOOT	1010
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1/4" DIA. POLYETHYLENE	FOOT	1037
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	15
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	30
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	2
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	6
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	42
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	6
LIGHT POLE FOUNDATION, SPECIAL	FOOT	4
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	6
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 12 FT. MAST ARM, TWIN	EACH	1



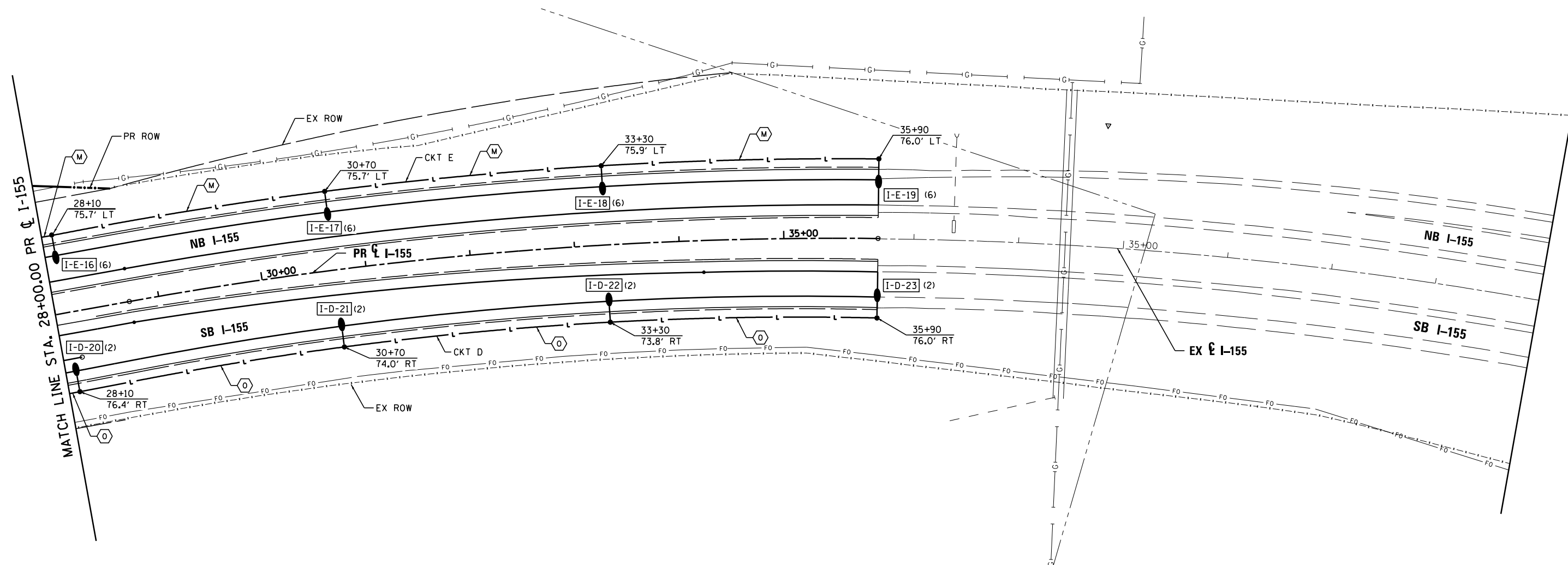
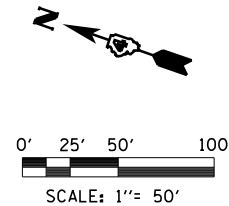
FILE NAME =	DESIGNED - BENESCH	REVISED -
...ND468620-sh1-1-155-light14.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

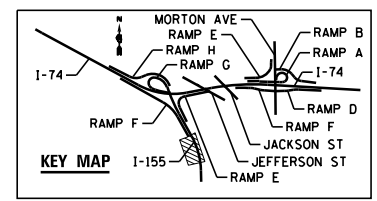
**I-155  
LIGHTING PLANS**  
SCALE: 1"=50' SHEET NO. 15 OF 138 SHEETS STA. 13+00 TO STA. 28+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1730
CONTRACT NO. 68620				



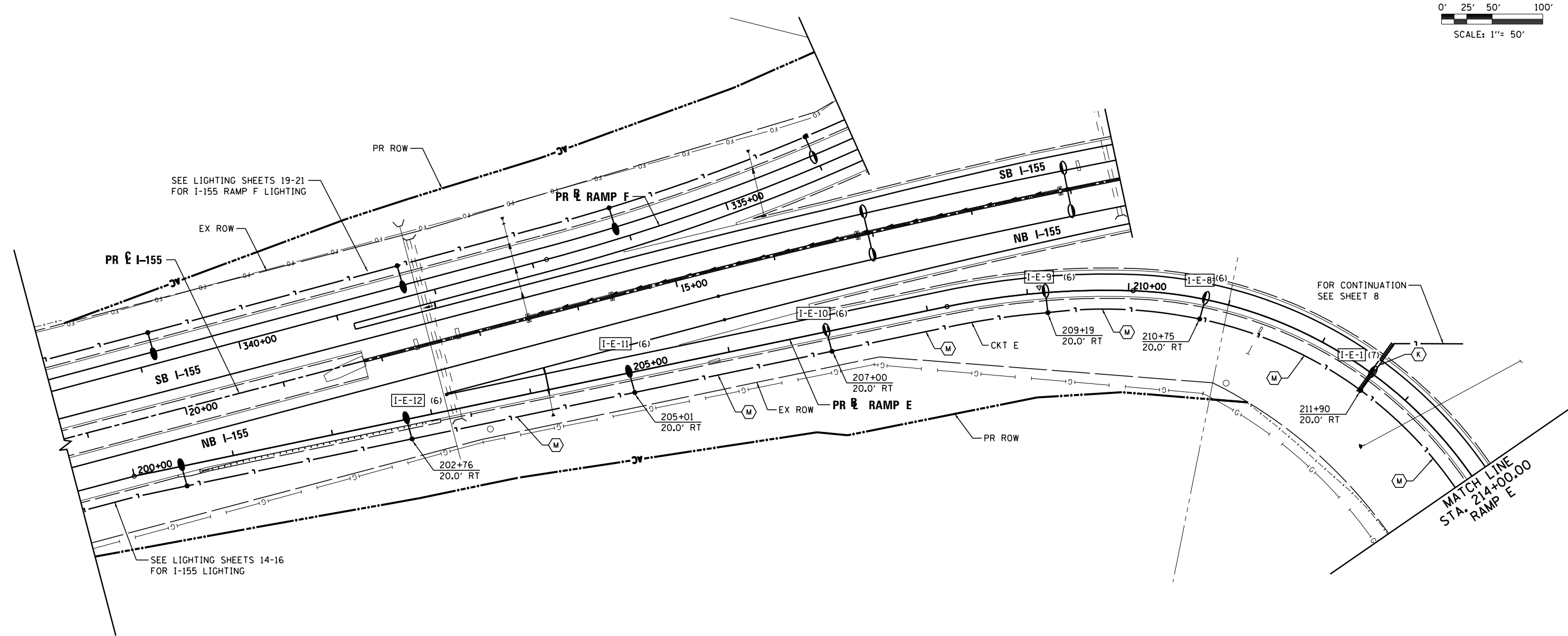
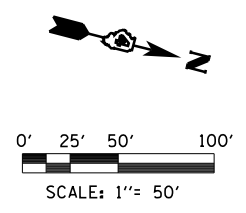
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	805
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	775
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	8
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	56
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	8



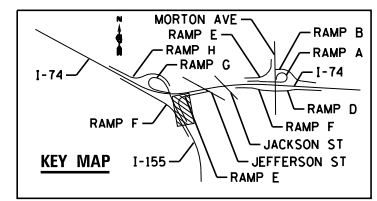
FILE NAME = ...ND468620-sh1-1-155-light15.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-155</b> <b>LIGHTING PLANS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = tblank	DRAWN - NLH	REVISED -				90-I14R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1731	
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -				CONTRACT NO. 68620				
DATE - JULY 20, 2012	REVISED -	ILLINOIS FED. AID PROJECT								

SCALE: 1"=50' SHEET NO. 16 OF 138 SHEETS STA. 28+00 TO STA.



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIAMETER	FOOT	56
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1158
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	38
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	6
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	2
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	4



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-RampE-light17.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



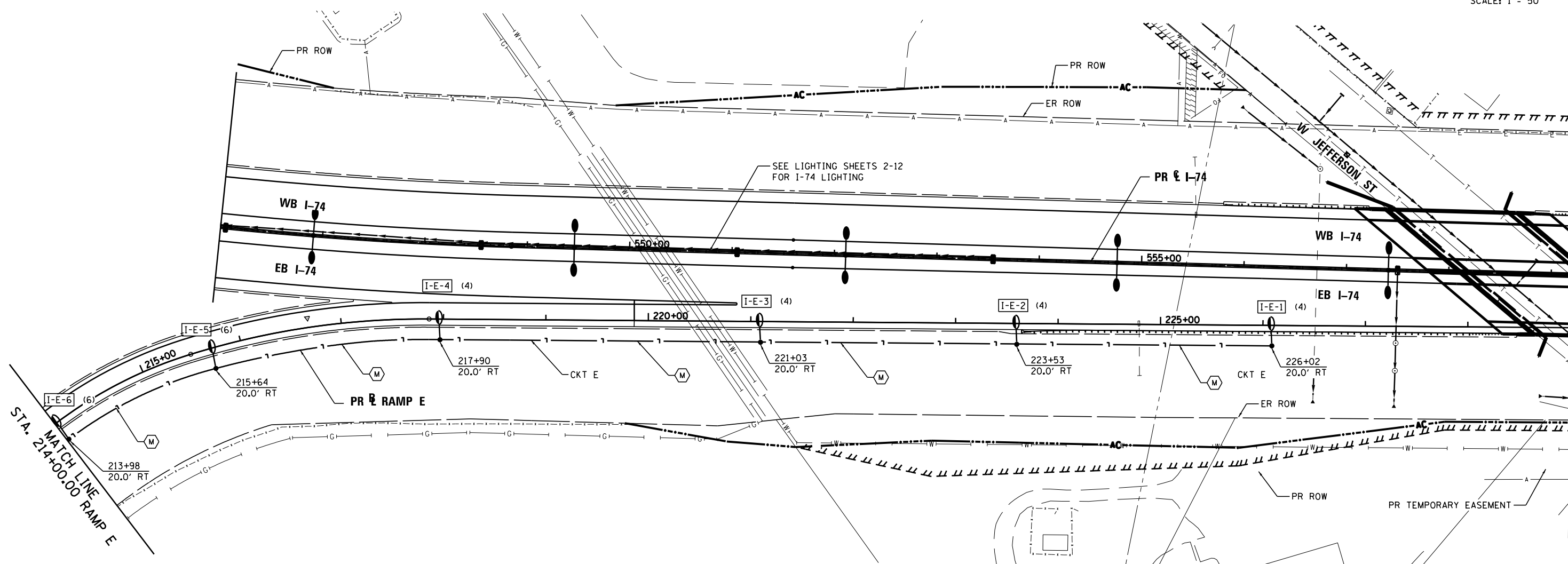
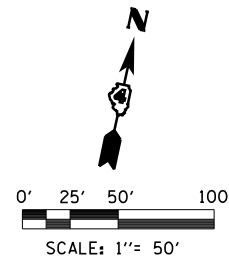
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-155 RAMP E  
LIGHTING PLANS**

SCALE: 1"=50'    SHEET NO. 17 OF 138 SHEETS    STA.                      TO STA. 214+00

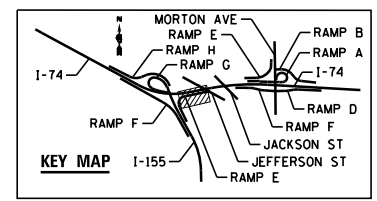
F.A.I. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	90-[14R;14HB-4,14,14HVB]BRJ	TAZEWELL	2433	1732
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				





**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1/4" DIAMETER POLYETHYLENE	FOOT	1196
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	6
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	36
BREAKWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	6
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT MAST ARM	EACH	6



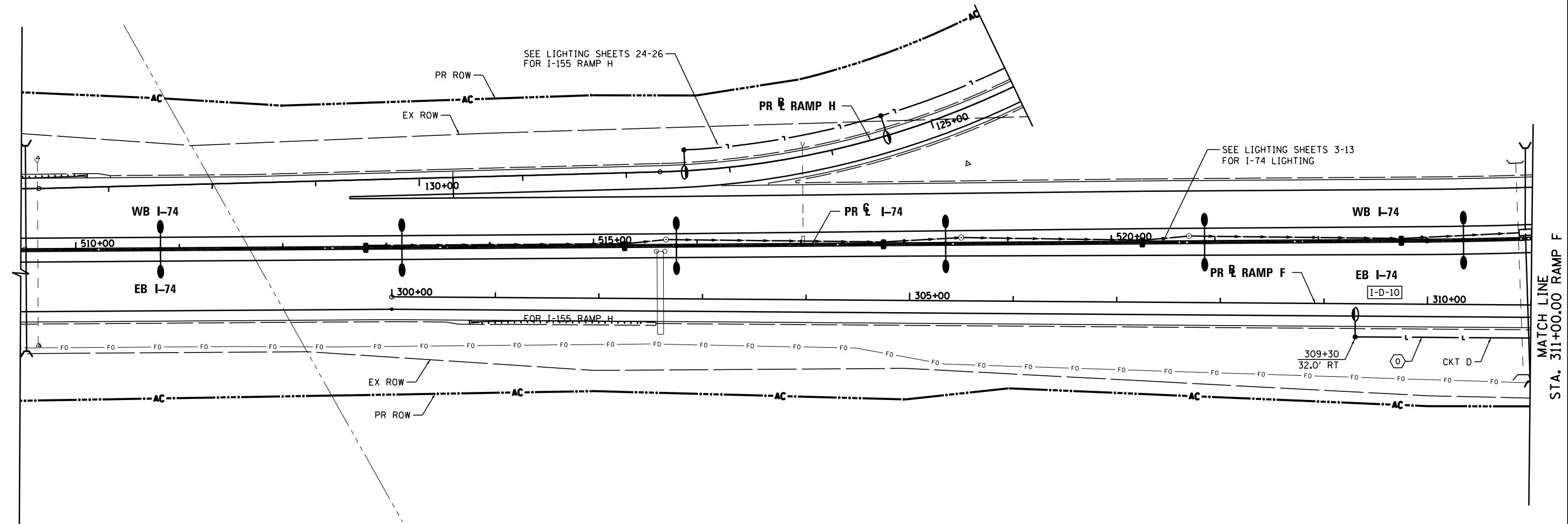
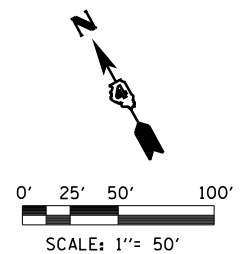
FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-RampE-light18.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

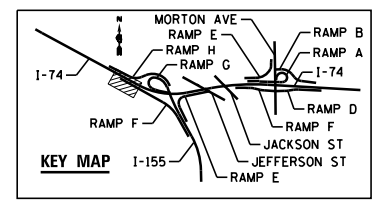
**I-155 RAMP E  
LIGHTING PLANS**  
SCALE: 1"=50' SHEET NO. 18 OF 138 SHEETS STA. 214+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-I14R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1733	
<b>CONTRACT NO. 68620</b>				
ILLINOIS FED. AID PROJECT				



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	170
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	1
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	6
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	1



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-RampF-light20.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

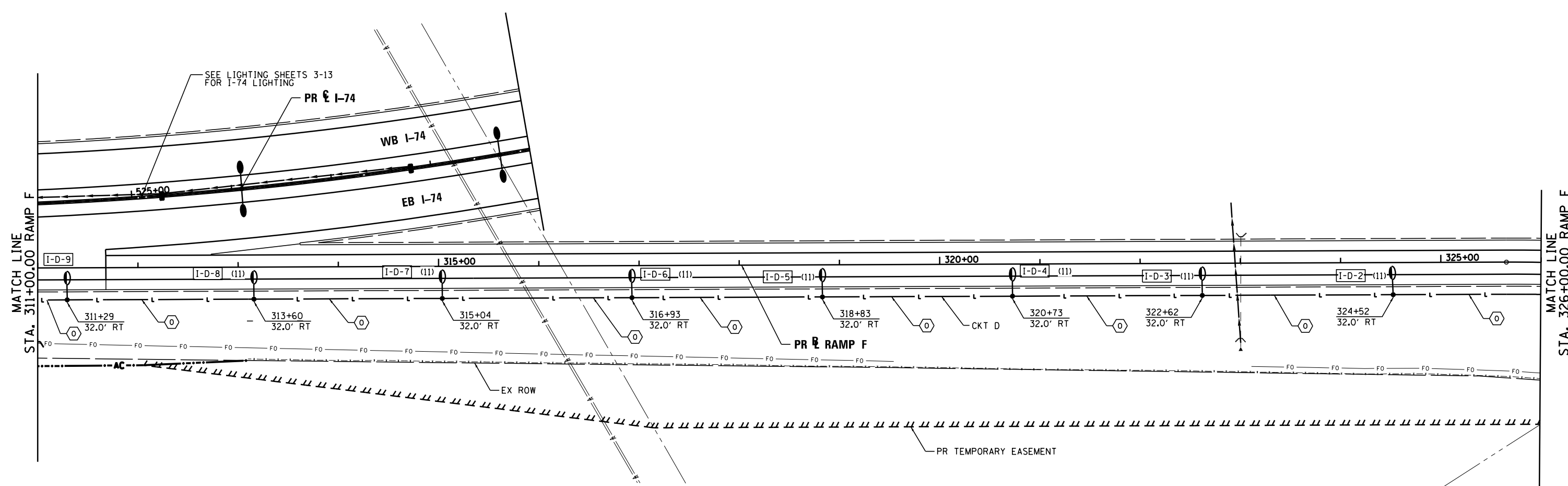
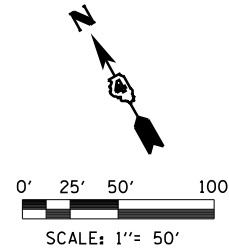


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-155 RAMP F  
LIGHTING PLANS**

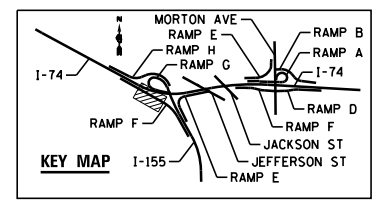
SCALE: 1"=50' SHEET NO. 19 OF 138 SHEETS STA. TO STA. 311+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HVB)BR]	TAZEWELL	ILLINOIS	2433	1734
CONTRACT NO. 68620				



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1501
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	8
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	48
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	8



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-RampF-light21.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

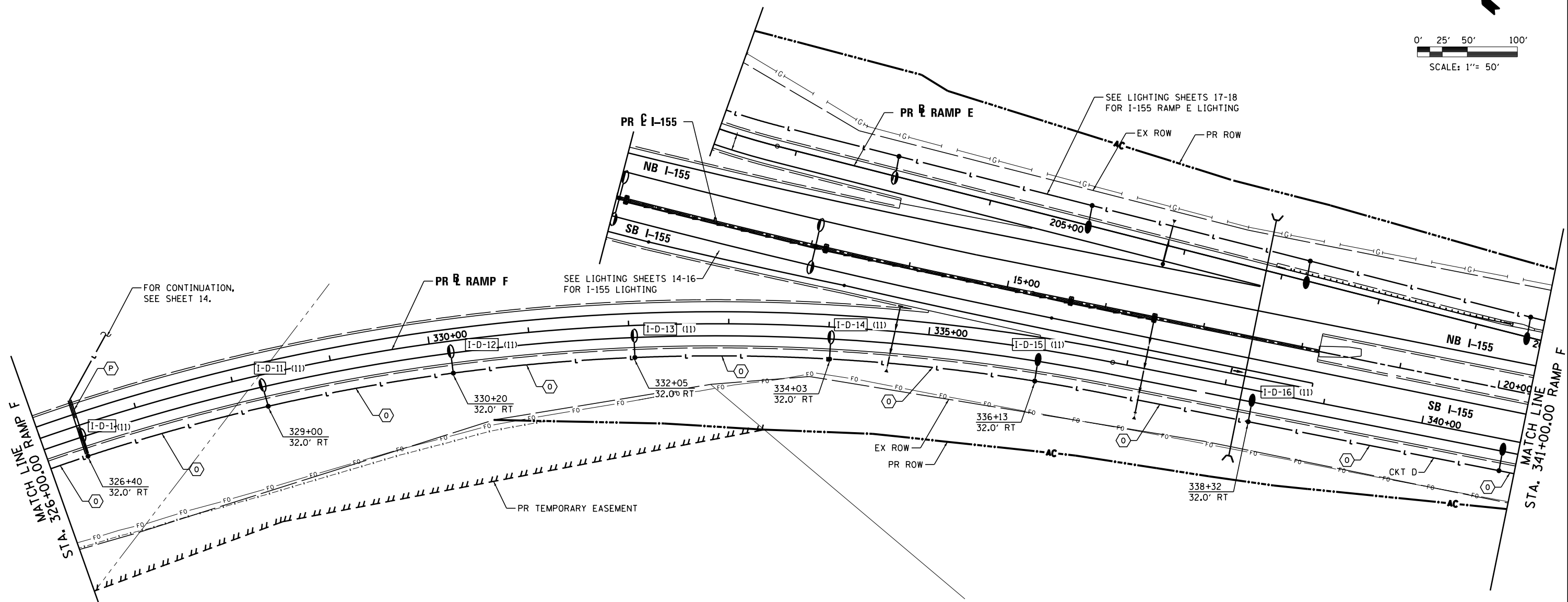
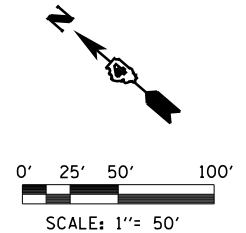


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-155 RAMP F  
LIGHTING PLANS**

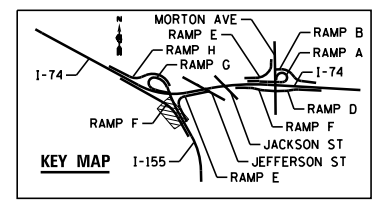
SCALE: 1"=50' SHEET NO. 20 OF 138 SHEETS STA. 311+00 TO STA. 326+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HB)BR]	TAZEWELL	ILLINOIS	2433	1735
CONTRACT NO. 68620				



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	60
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1543
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	5
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	44
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	7
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	2
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	5



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-RampF-light22.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

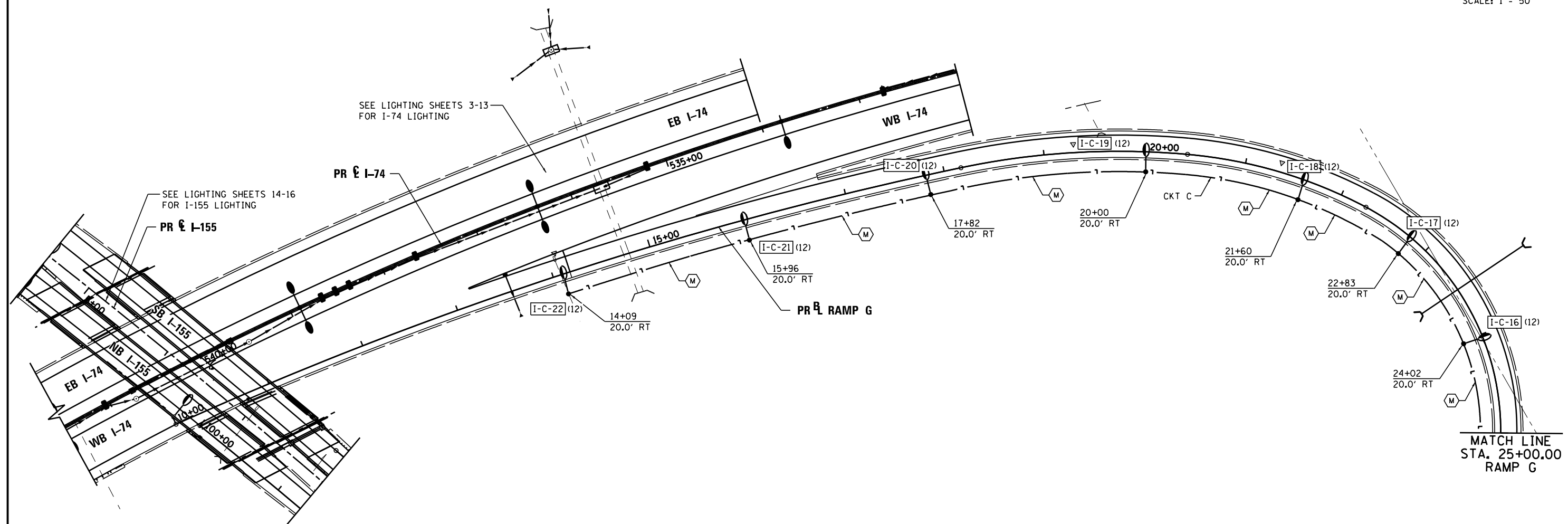
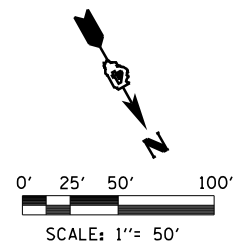


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-155 RAMP F  
LIGHTING PLANS

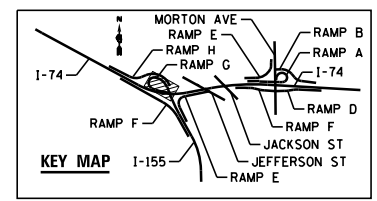
SCALE: 1"=50' SHEET NO. 21 OF 138 SHEETS STA. 326+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1736	
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

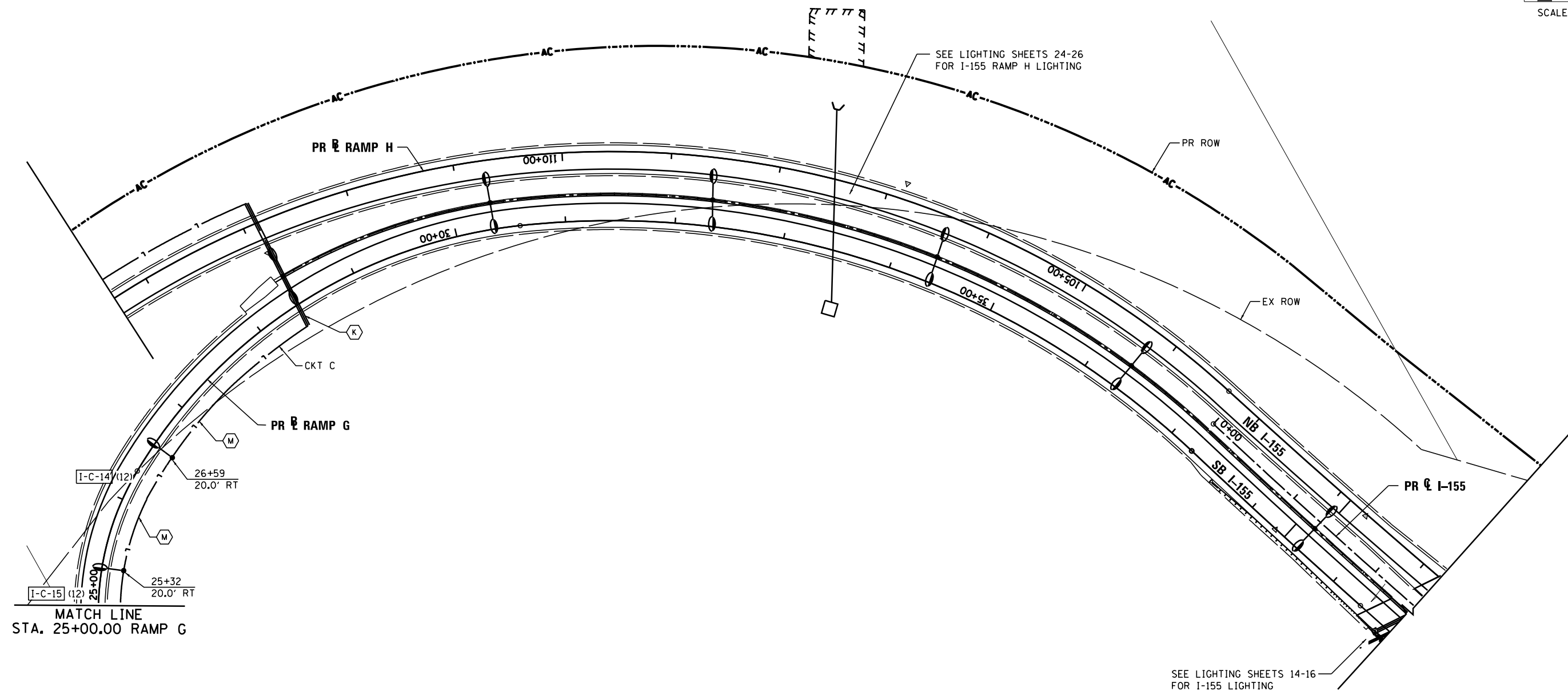
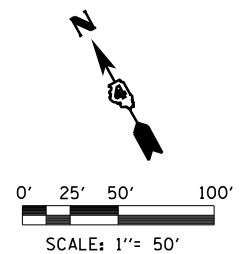


**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1053
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	7
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	42
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	7
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	7

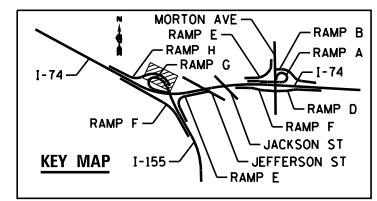


FILE NAME = ...\\D468620-sh-t-1-155-RampG-light24.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-155 RAMP G</b> <b>LIGHTING PLANS</b>		F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = tblank	DRAWN - NLH	REVISED -					90-I14R(14HB-4,14,14HVB)BR	TAZEWELL	2433	1737	
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -			CONTRACT NO. 68620						
DATE - JULY 20, 2012	REVISI	DATE -			ILLINOIS FED. AID PROJECT						



**STREET LIGHTING - BILL OF MATERIAL - THIS SHEET**

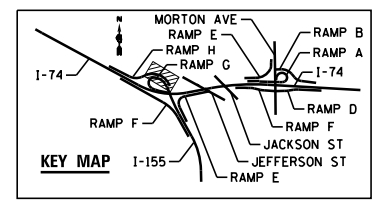
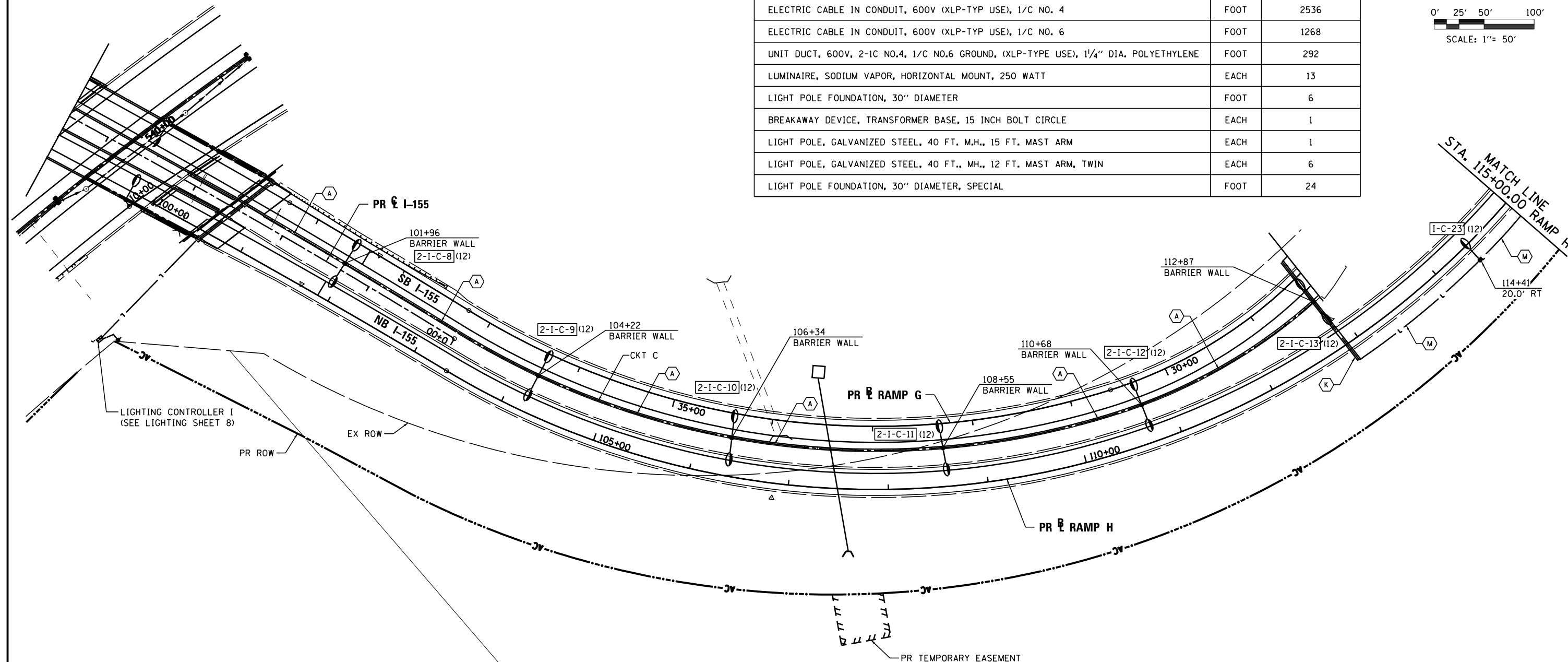
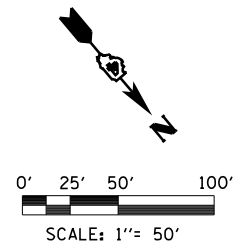
PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	52
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	371
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	2
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	12
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	2
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	2



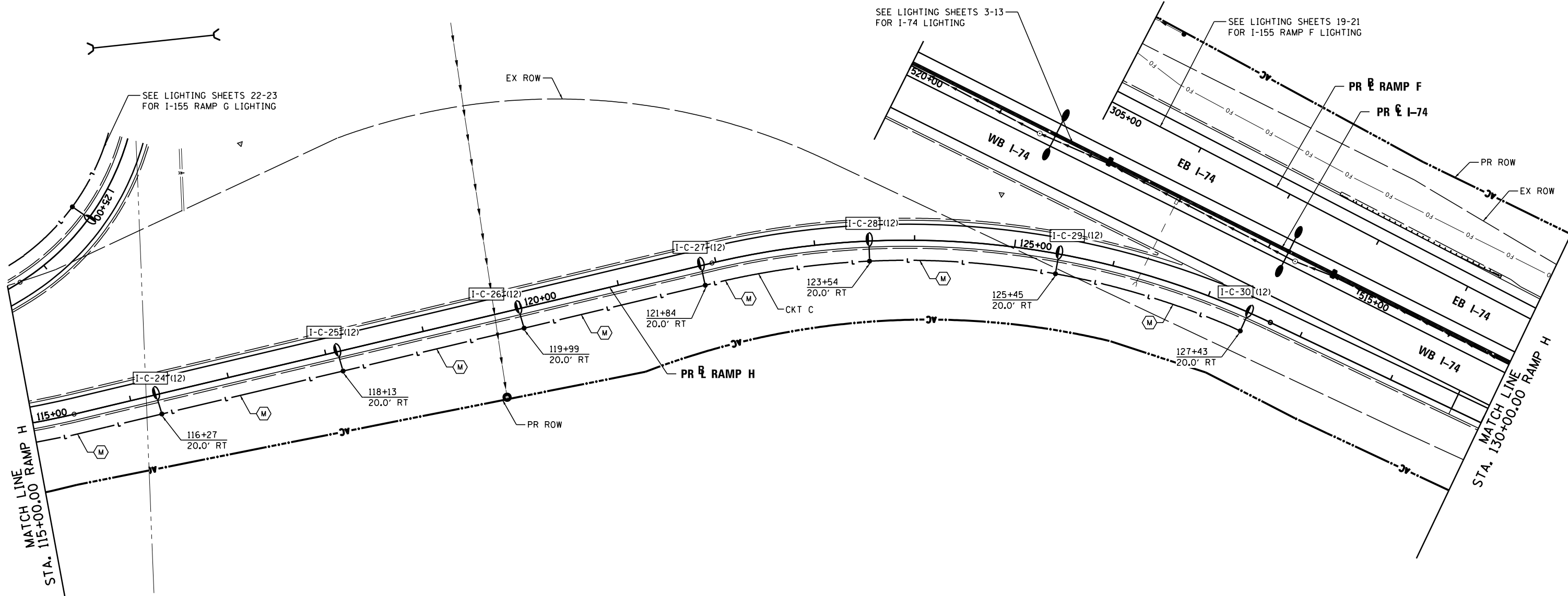
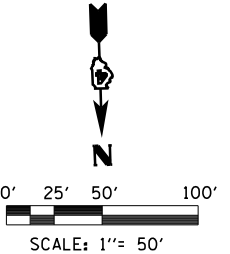
FILE NAME = ...D468620-sh-t-1-155-RampG-light25.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-155 RAMP G</b> <b>LIGHTING PLANS</b>	F.A.I. RTE. =	SECTION = 90-[14R;14HB-4,14,14HB]BRJ	COUNTY = TAZEWELL	TOTAL SHEETS = 2433	SHEET NO. = 1738			
USER NAME = tblank	DRAWN - NLH	REVISED -				SCALE: 1"=50'	SHEET NO. 23 OF 138 SHEETS	STA. 25+00 TO STA.	CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -				ILLINOIS FED. AID PROJECT							
DATE - JULY 20, 2012	REVISIONS	REVISED -				• 74 & 155							

**STREET LIGHTING - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	75
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1208
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYP USE), 1/C NO. 4	FOOT	2536
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYP USE), 1/C NO. 6	FOOT	1268
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1/4" DIA. POLYETHYLENE	FOOT	292
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	13
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	6
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	1
LIGHT POLE, GALVANIZED STEEL, 40 FT., MH., 12 FT. MAST ARM, TWIN	EACH	6
LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL	FOOT	24

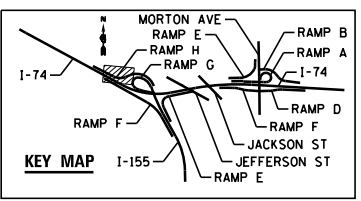


FILE NAME = ...D468620-sh-t-1-155-RampH-light26.dgn	DESIGNED - BENESCH	REVISD -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-155 RAMP H LIGHTING PLANS		F.A.I. RTE. = 90-[14R(14HB-4,14,14HVB)BR]	SECTION = TAZEWELL	COUNTY =	TOTAL SHEETS = 2433	SHEET NO. = 1739
USER NAME = tblank	DRAWN - NLH	REVISD -			SCALE: 1"=50'	SHEET NO. 24 OF 138 SHEETS	STA. TO STA. 115+00	CONTRACT NO. 68620 ILLINOIS FED. AID PROJECT			
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISD -									
	DATE - JULY 20, 2012	REVISD -									



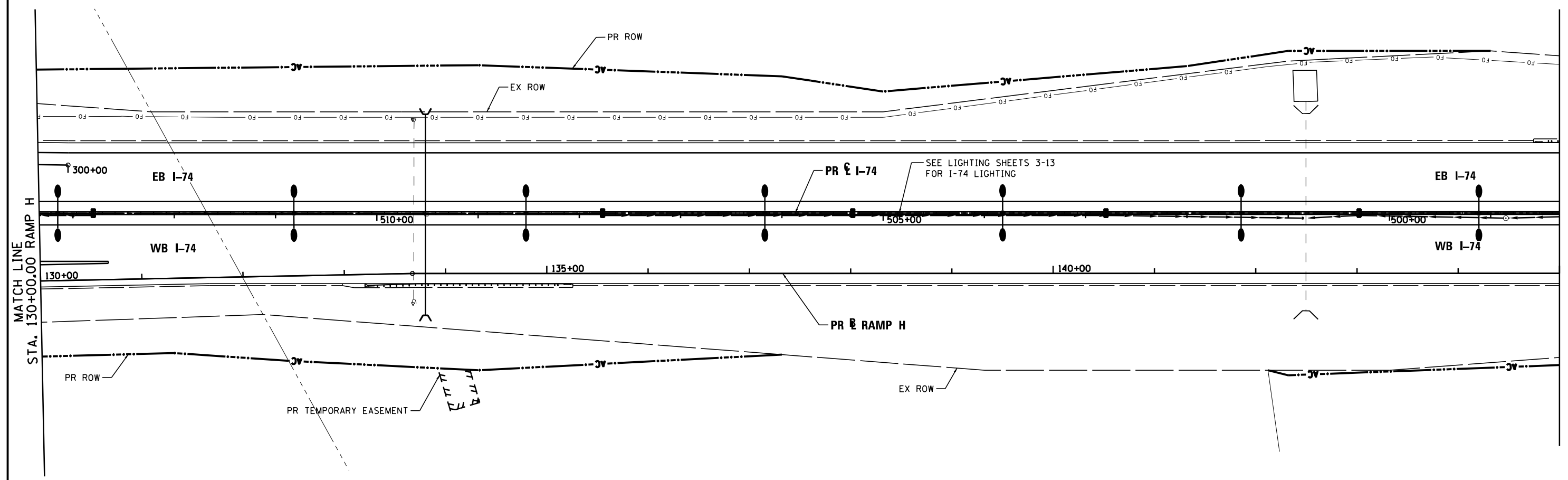
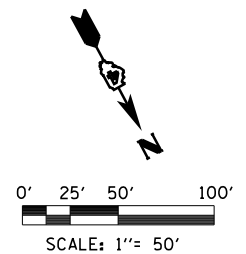
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1231
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	7
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	42
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	7
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	7

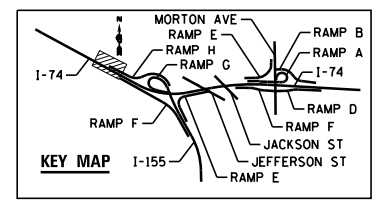


FILE NAME = ...D468620-sh1-1-155-RampH-light27.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-155 RAMP H</b> <b>LIGHTING PLANS</b>			F.A.I. RTE. = 90-[14R(14HB-4,14,14HVB)BR]	SECTION = TAZEWELL	COUNTY =	TOTAL SHEETS = 2433	SHEET NO. = 1740	
USER NAME = tblank	DRAWN - NLH	REVISED -			SCALE: 1"=50'	SHEET NO. 25 OF 138 SHEETS	STA. 115+00 TO STA. 130+00	CONTRACT NO. 68620		ILLINOIS FED. AID PROJECT			
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -											
	DATE - JULY 20, 2012	REVISED -											

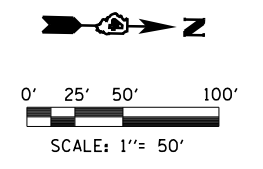
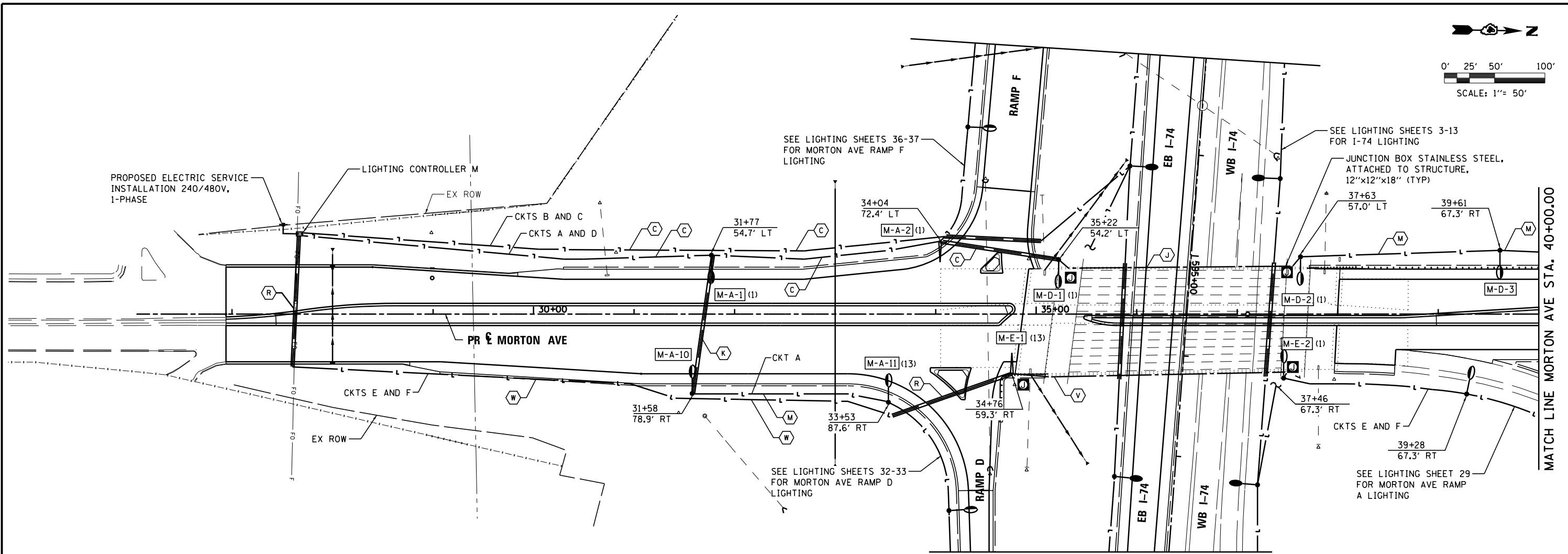




**NOTE:**  
 LIGHTING FOR THIS SECTION OF RAMP H SHALL  
 BE PROVIDED BY I-74 MAINLINE LIGHTING.  
 SEE LIGHTING SHEETS 3-13 FOR I-74 LIGHTING.

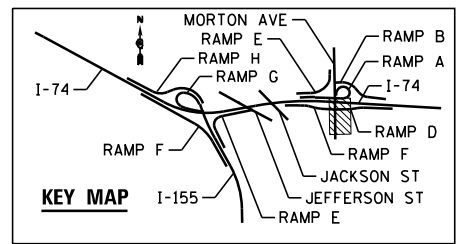


FILE NAME = ...D468620-sh1-1-155-RampH-light28.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-155 RAMP H</b> <b>LIGHTING PLANS</b>	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = tblank	DRAWN - NLH	REVISED -				90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1741	
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -				CONTRACT NO. 68620				
DATE - JULY 20, 2012	REVISED -	ILLINOIS FED. AID PROJECT								
SCALE: 1"=50' SHEET NO. 26 OF 138 SHEETS STA. 130+00 TO STA.						• 74 & 155				



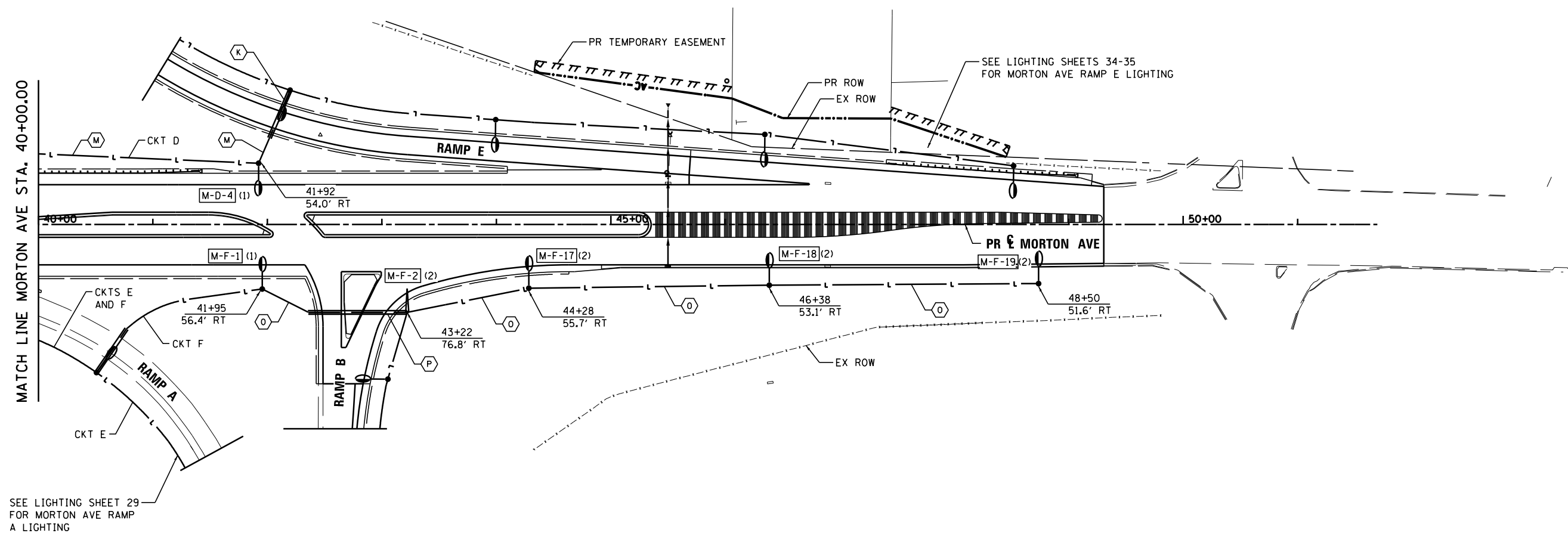
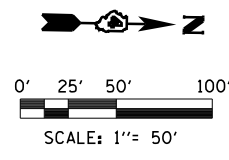
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	593
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	4
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1/4" DIA. POLYETHYLENE	FOOT	693
UNIT DUCT, 600V, 4-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1/2" DIA. POLYETHYLENE	FOOT	876
UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1/2" DIA. POLYETHYLENE	FOOT	1285
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	244
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	769
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	1124
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	285
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	7
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP	EACH	1
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	42
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	7
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	515
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	7



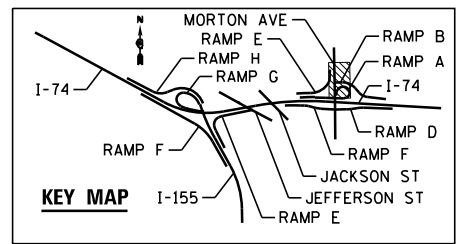
FILE NAME =	DESIGNED - BENESCH	REVISED -	 engineers · scientists · planners	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MORTON AVE</b> <b>LIGHTING PLANS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \D468620-sh-t-MortonSe50-light29.dgn	DRAWN - NLH	REVISED -				90-114R(14HB-4,14,14HVB)BR	TAZEWELL	2433	1742	
USER NAME = tblank	CHECKED - GHT	REVISED -				<b>CONTRACT NO. 68620</b>				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -				ILLINOIS FED. AID PROJECT				

SCALE: 1"=50'    SHEET NO. 27 OF 138 SHEETS    STA.    TO STA. 40+00



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	133
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	263
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	687
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	5
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	1
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	30
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	5



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh1-MortonSe50-light30.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MORTON AVE  
LIGHTING PLANS**

SCALE: 1"=50' SHEET NO. 28 OF 138 SHEETS STA. TO STA.

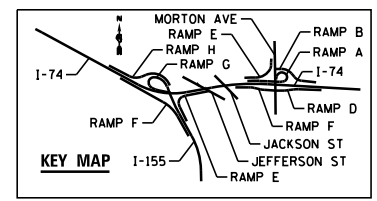
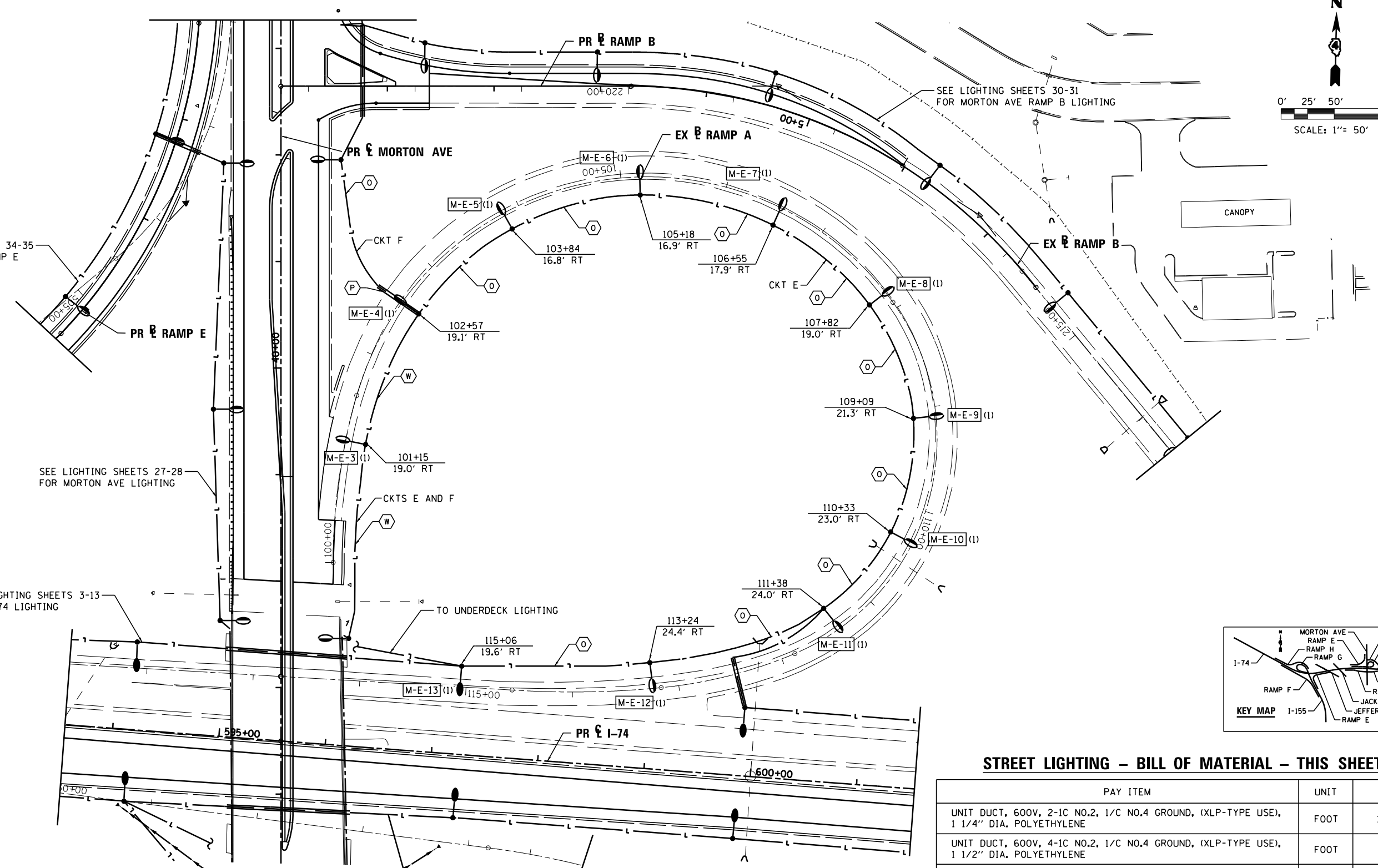
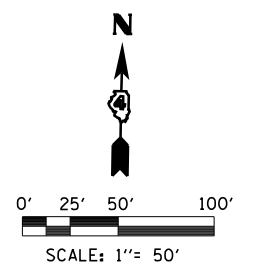
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R]14HB-4,14,14HVB[BR]		TAZEWELL	2433	1743
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				

SEE LIGHTING SHEETS 34-35  
FOR MORTON AVE RAMP E  
LIGHTING

SEE LIGHTING SHEETS 27-28  
FOR MORTON AVE LIGHTING

SEE LIGHTING SHEETS 3-13  
FOR I-74 LIGHTING

SEE LIGHTING SHEETS 3-13  
FOR I-74 LIGHTING



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1350
UNIT DUCT, 600V, 4-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	317
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	10
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	67
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	11
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	10
UNDERGROUND CONDUIT, PVC, 2" DIA.	EACH	47
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	1
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT MAST ARM	EACH	1

FILE NAME =	DESIGNED - BENESCH	REVISED -
... \D468620-sh1-RampA-Morton-light33.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

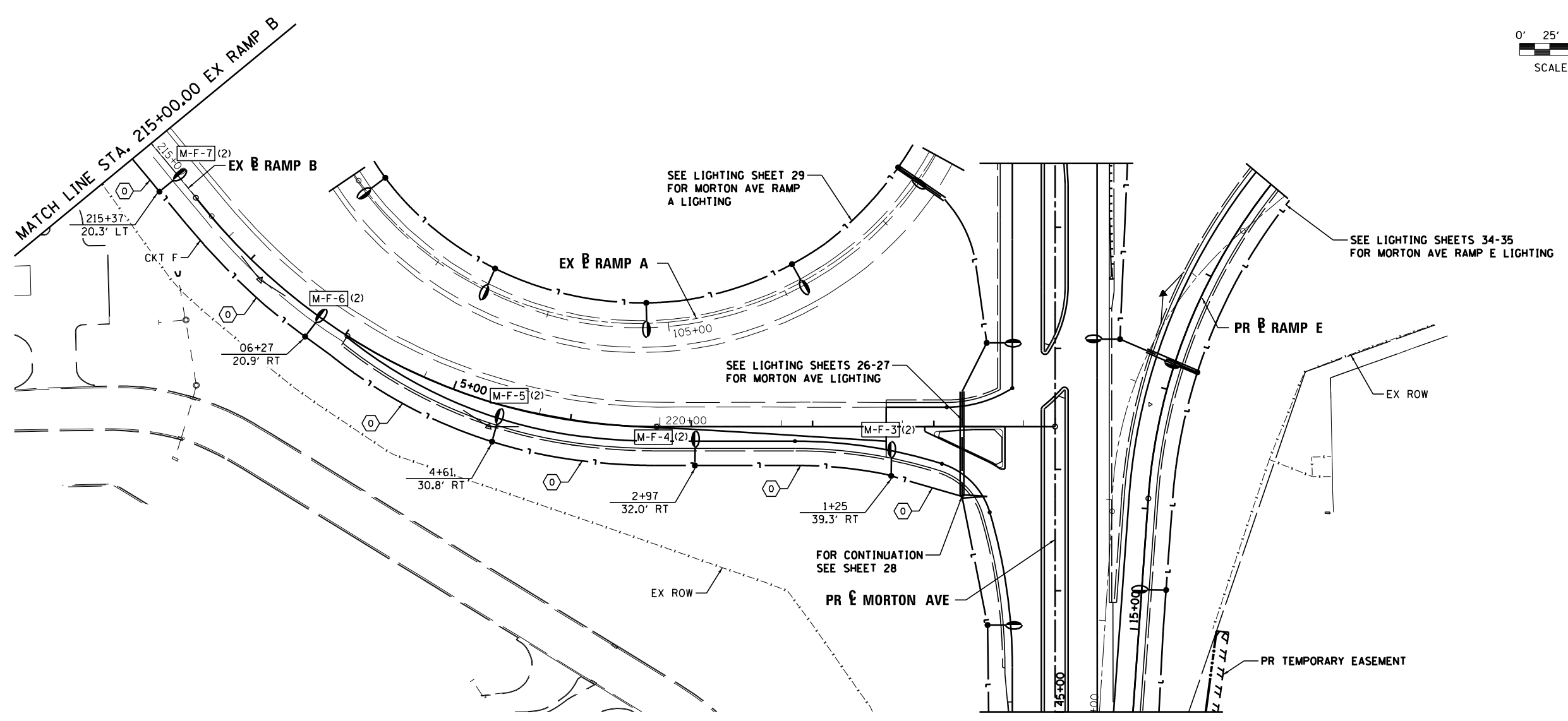
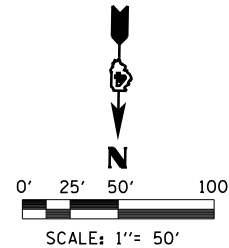


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MORTON AVE RAMP A  
LIGHTING PLANS

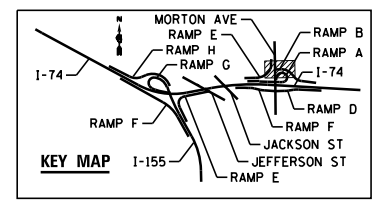
SCALE: 1"=50' SHEET NO. 29 OF 138 SHEETS STA. TO STA. 40+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	ILLINOIS	2433	1744
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				

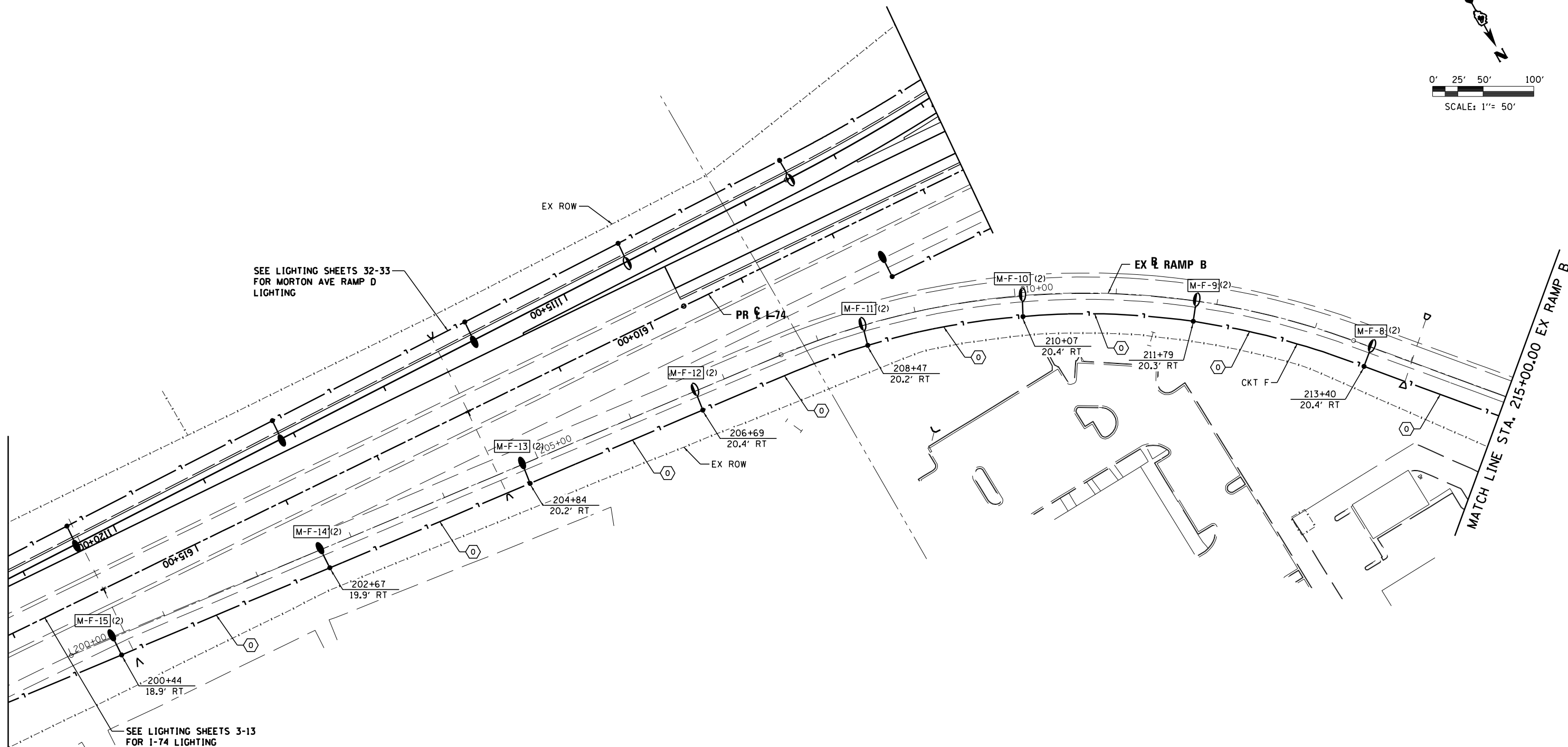
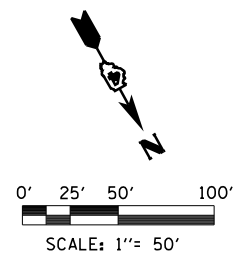


**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	776
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	5
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	30
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	5

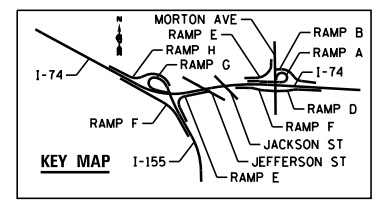


FILE NAME = ...\\D468620-sh-t-rampB-Morton-light35.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MORTON AVE RAMP B</b> <b>LIGHTING PLANS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = tblank	DRAWN - NLH	REVISED -					90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1745	
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -			<b>CONTRACT NO. 68620</b>				ILLINOIS FED. AID PROJECT		
DATE - JULY 20, 2012	REVISI	DATE			SCALE: 1"=50'	SHEET NO. 30 OF 138 SHEETS	STA. TO STA. 215+00				



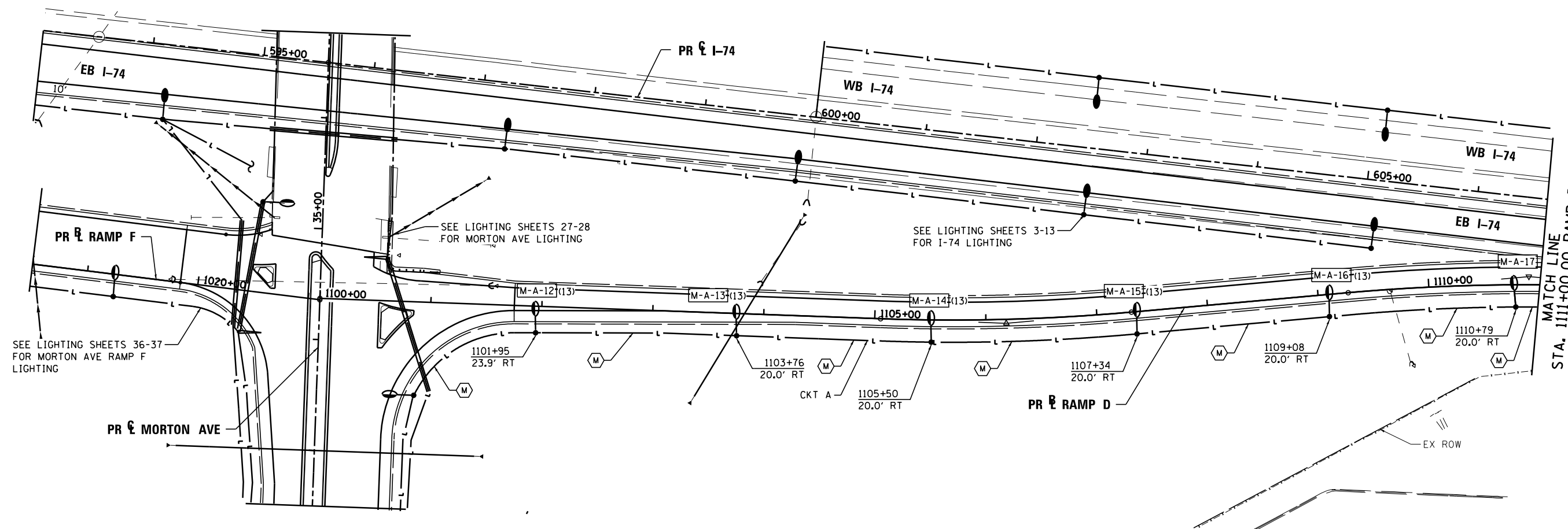
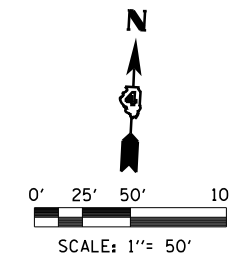
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1440
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	5
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	3
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	51
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	3
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	5



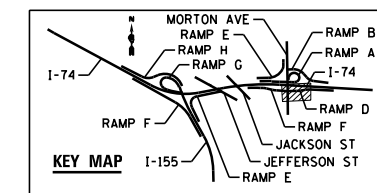
FILE NAME =	DESIGNED - BENESCH	REVISED -	 engineers · scientists · planners	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MORTON AVE RAMP B</b> <b>LIGHTING PLANS</b>	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \D468620-sh-rampB-Morton-light35A.dgn	DRAWN - NLH	REVISED -				90-114R(14HB-4,14,14HVB)BR	TAZEWELL	2433	1746	
USER NAME = tblank	CHECKED - GHT	REVISED -				CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -				ILLINOIS FED. AID PROJECT				

SCALE: 1"=50'    SHEET NO. 31 OF 138 SHEETS    STA. 215+00 TO STA.    • 74 & 155



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1/4" DIAMETER POLYETHYLENE	FOOT	1037
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	6
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	36
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	6
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	6



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-rampD-Morton-light36.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

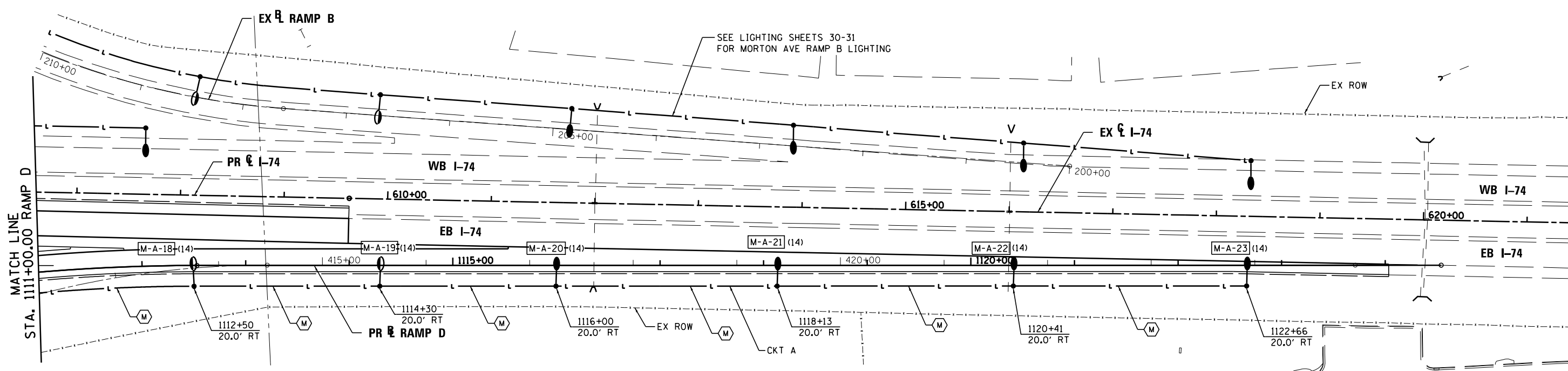
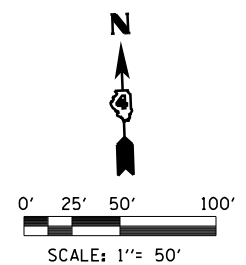


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MORTON AVE RAMP D  
LIGHTING PLANS

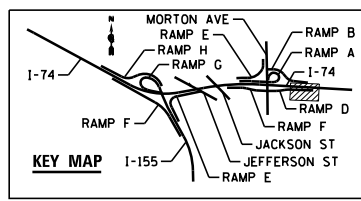
SCALE: 1"=50' SHEET NO. 32 OF 138 SHEETS STA. TO STA. 1112+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HB)BR	TAZEWELL	2433	1747	
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				



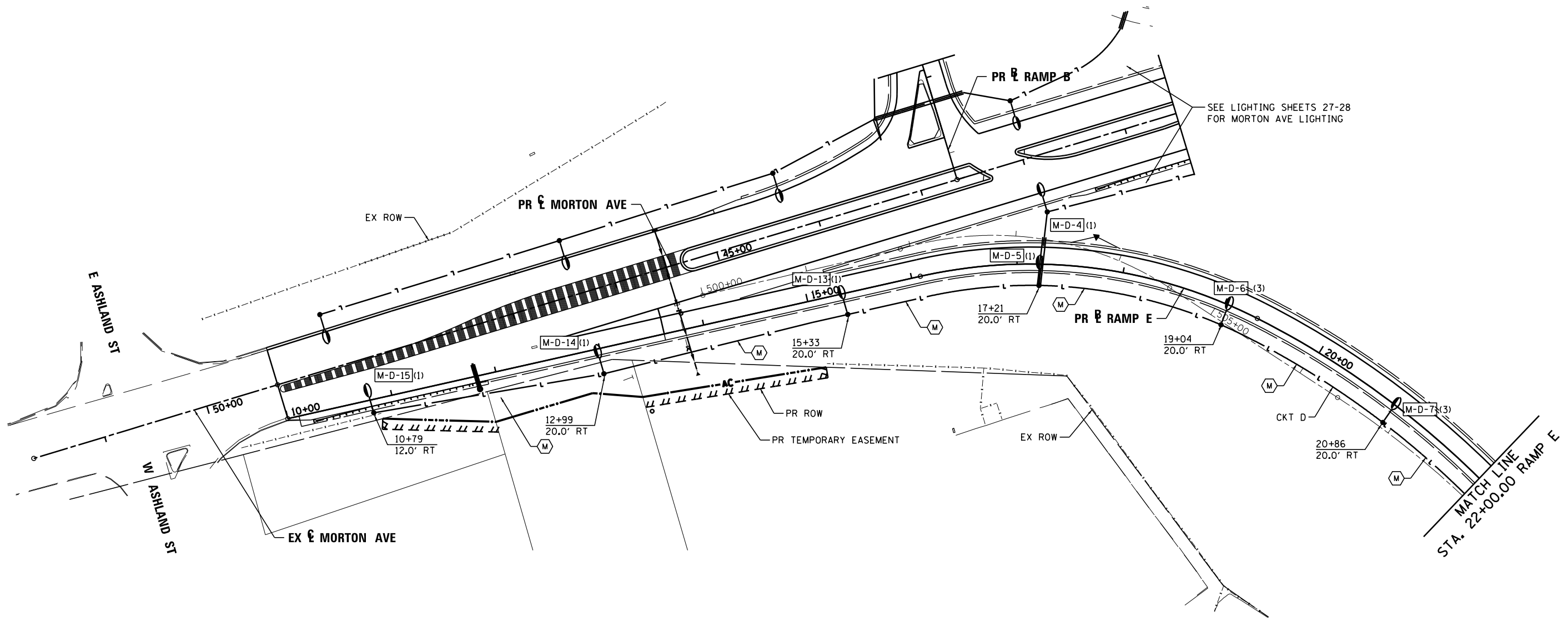
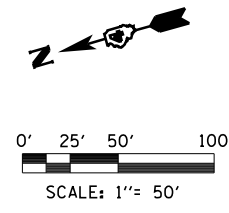
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1167
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	2
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	40
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	6
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	4
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	2



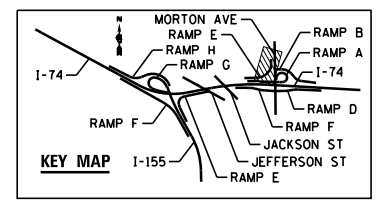
FILE NAME = ...\\D468620-shit-rampD-Morton-light37.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MORTON AVE RAMP D</b> <b>LIGHTING PLANS</b>	F.A.I. RTE. = 90-[14R(14HB-4,14,14HB)BR]	SECTION = TAZEWELL	COUNTY =	TOTAL SHEETS = 2433	SHEET NO. = 1748		
USER NAME = tblank	CHECKED - GHT	REVISED -				SCALE: 1"=50'	SHEET NO. 33 OF 138 SHEETS	STA. 1112+00 TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68620	
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -				• 74 & 155						



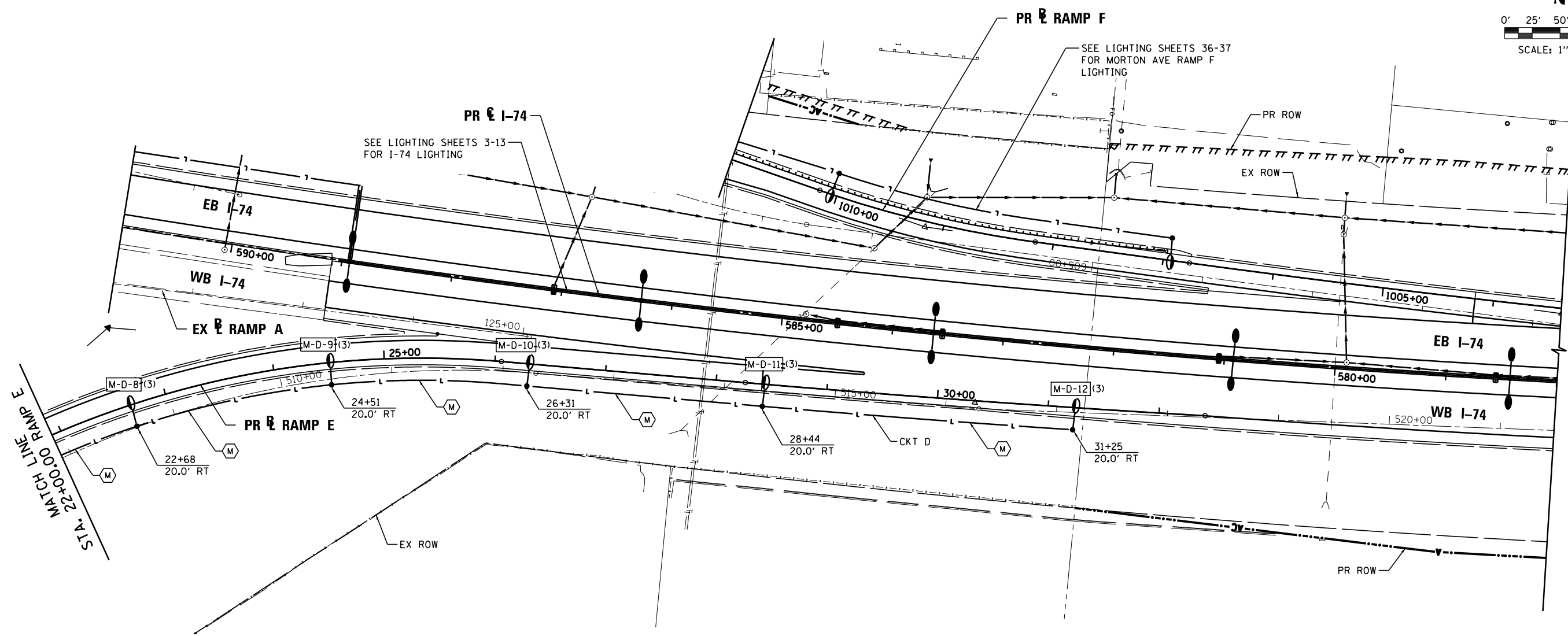
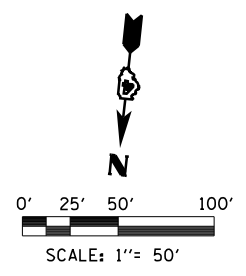


**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1104
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	6
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	36
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	6
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	6

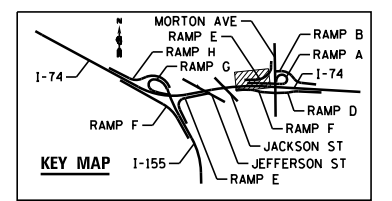


FILE NAME = ...D468620-sh-t-rampE-Morton-light38.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MORTON AVE RAMP E</b> <b>LIGHTING PLANS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = tblank	DRAWN - NLH	REVISED -			90-114R(14HB-4,14,14HB)BRJ	TAZEWELL	2433	1749			
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -			<b>CONTRACT NO. 68620</b>						
DATE - JULY 20, 2012	REVISI	DATE	SCALE: 1"=50'	SHEET NO. 34 OF 138 SHEETS	STA.	TO STA. 20+00	ILLINOIS FED. AID PROJECT				



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	923
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	5
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	30
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	5



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-rampE-Morton-light39.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

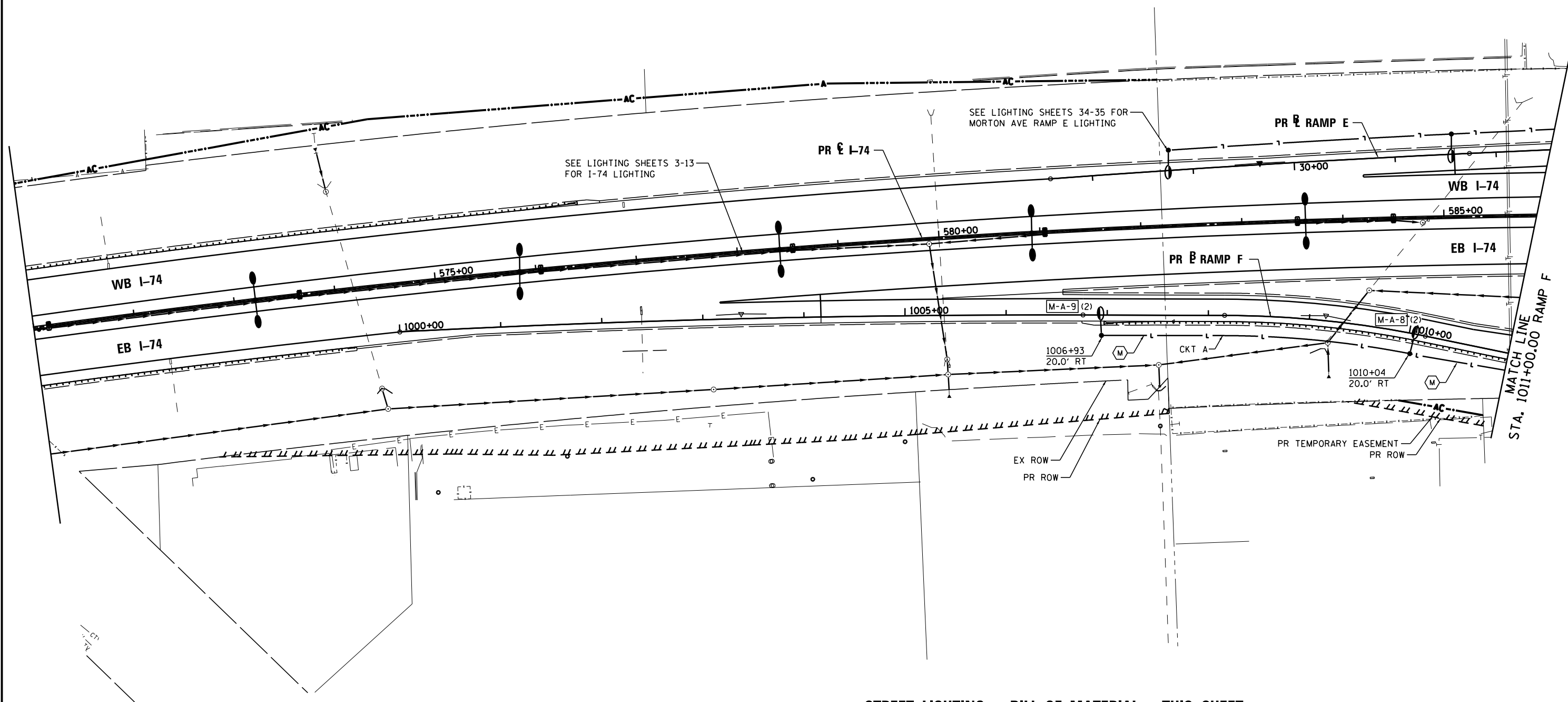
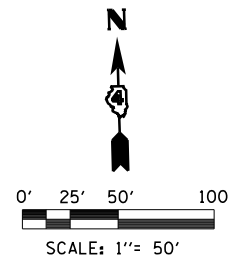


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MORTON AVE RAMP E  
LIGHTING PLANS**

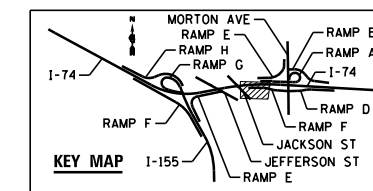
SCALE: 1"=50' SHEET NO. 35 OF 138 SHEETS STA. 20+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HB)BRJ	TAZEWELL	2433	1750	
<b>CONTRACT NO. 68620</b>				
ILLINOIS FED. AID PROJECT				



**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	402
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	2
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	12
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	2
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	2



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shit-rampF-Morton-light40.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

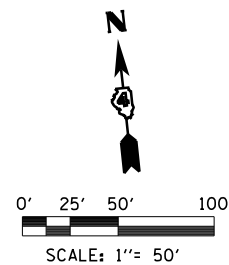
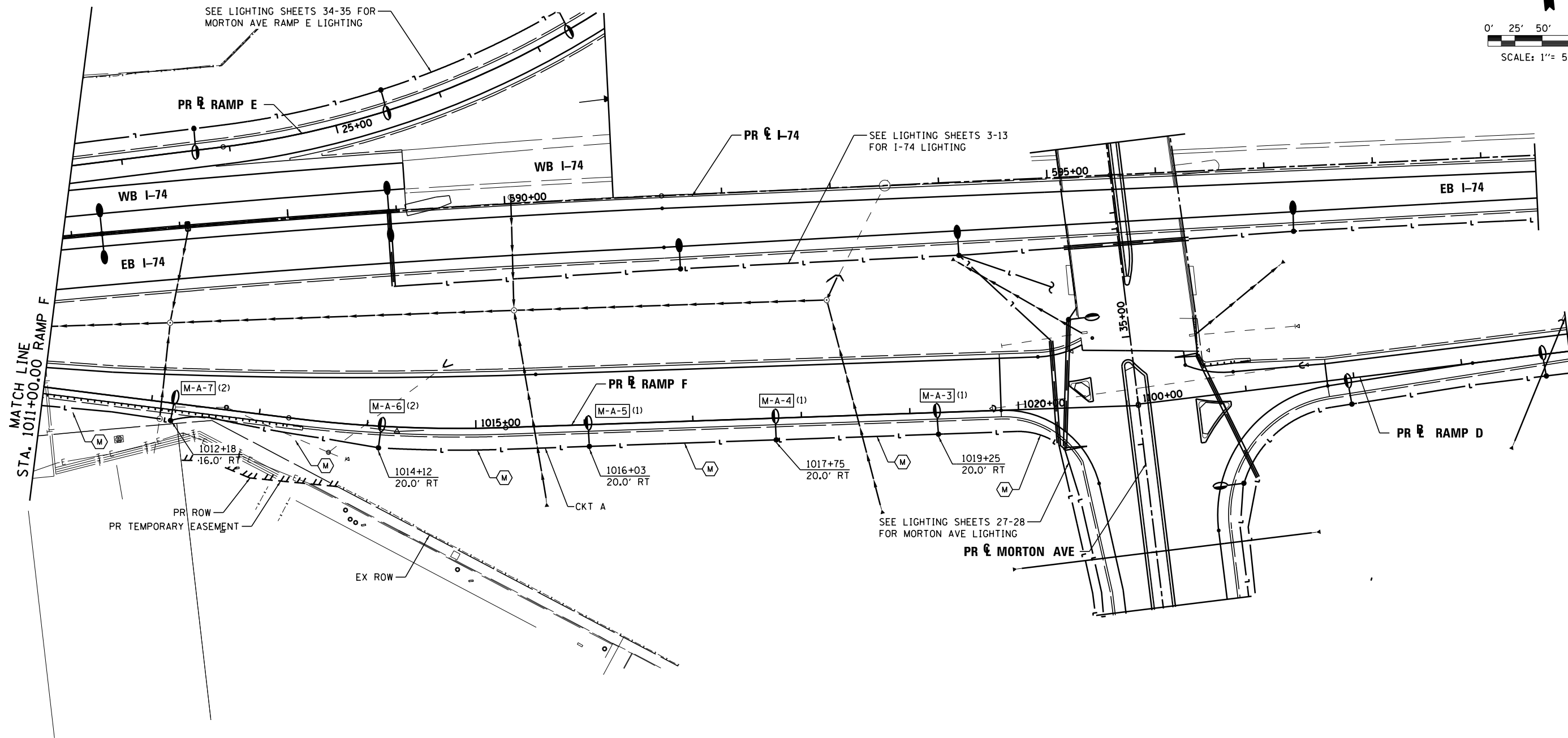


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MORTON AVE RAMP F  
LIGHTING PLANS

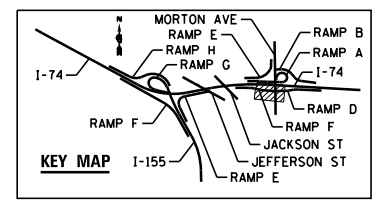
SCALE: 1"=50' SHEET NO. 36 OF 138 SHEETS STA. TO STA. 1011+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HV)BRJ	TAZEWELL	ILLINOIS	2433	1751
CONTRACT NO. 68620				



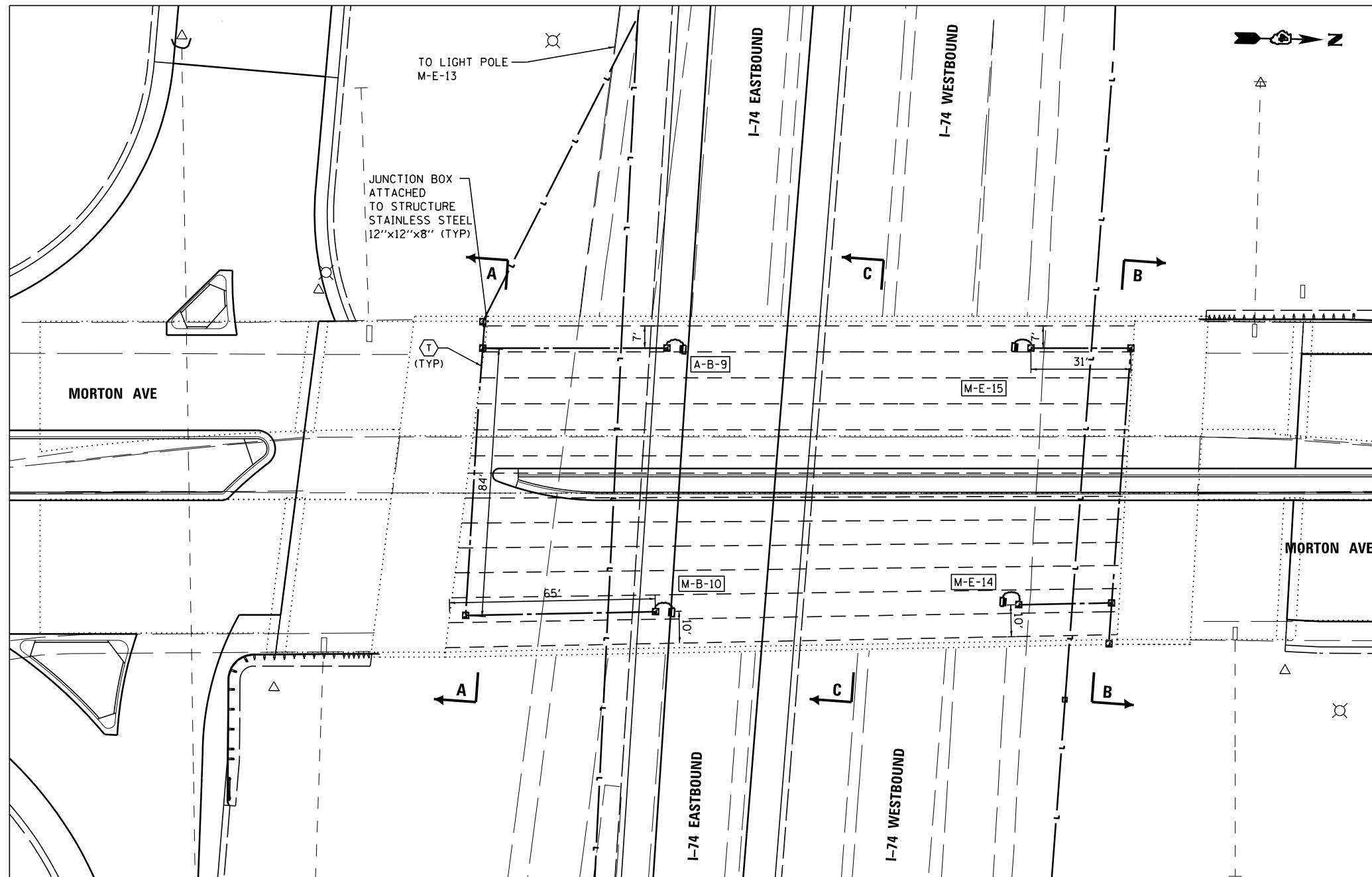
**STREET LIGHTING – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1076
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	5
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	30
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5
LIGHT POLE, GALVANIZED STEEL, 40 FT. M.H., 15 FT. MAST ARM	EACH	5



FILE NAME =	DESIGNED - BENESCH	REVISED -	 engineers · scientists · planners	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MORTON AVE RAMP F</b> <b>LIGHTING PLANS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \D468620-shit-rampF-Morton-light41.dgn	DRAWN - NLH	REVISED -				90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1752	
USER NAME = tblank	CHECKED - GHT	REVISED -				<b>CONTRACT NO. 68620</b>				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -				ILLINOIS FED. AID PROJECT				

SCALE: 1"=50'    SHEET NO. 37 OF 138 SHEETS    STA. 1011+00 TO STA.    • 74 & 155



**UNDERDECK LIGHTING PLAN**

**STREET LIGHTING - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	337
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	10
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	4
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO.10	FOOT	1131
CONDUIT, FLEXIBLE NON-METALLIC, WEATHERPROOF, 1.0" DIAMETER	FOOT	24



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-Lighting_Details-Underdeck01	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

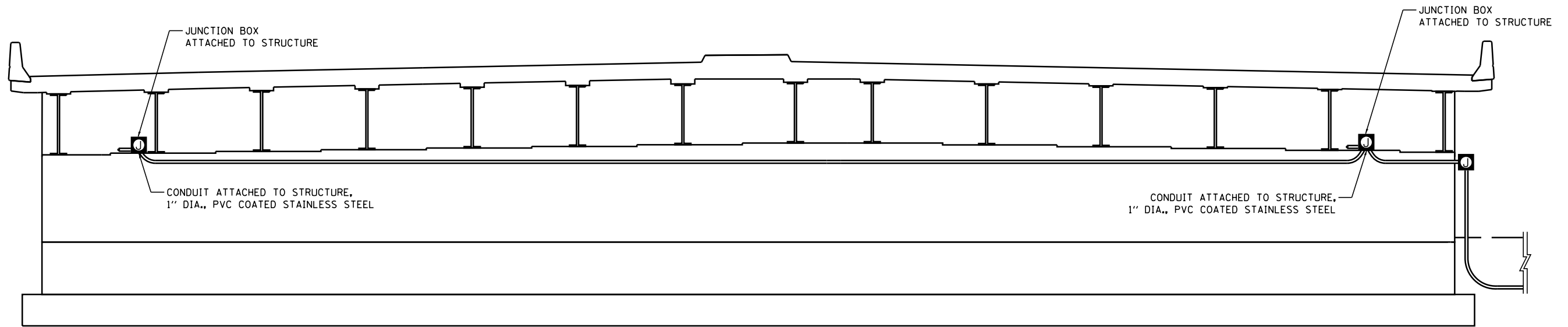


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-74 UNDERDECK LIGHTING  
AT MORTON AVENUE

SCALE: 1"=20' SHEET NO. 38 OF 138 SHEETS STA. TO STA.

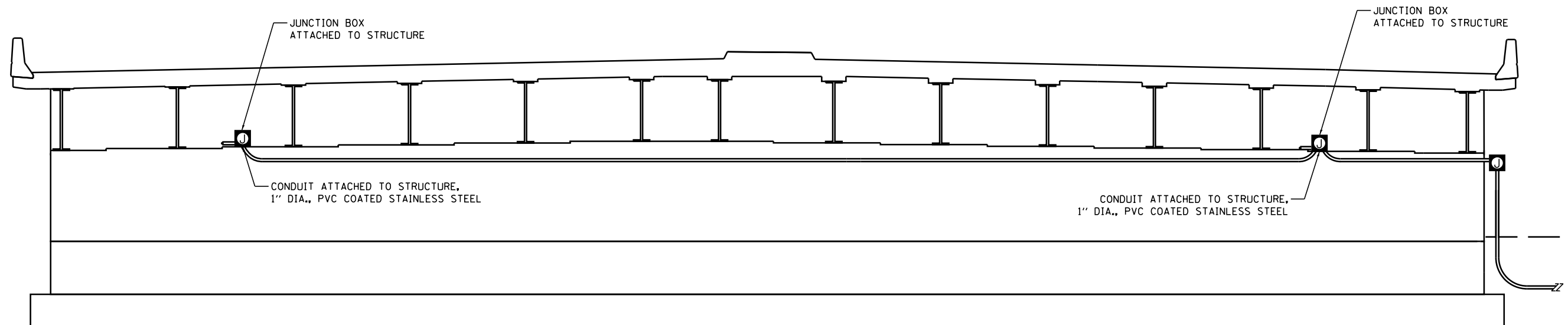
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR		TAZEWELL	2433	1753
CONTRACT NO. 68620			ILLINOIS FED. AID PROJECT	



**SOUTH ABUTMENT ELEVATION – SECTION – A-A**

LOOKING SOUTH

NOTE: SEE LIGHTING PLAN SHEET 38 FOR  
PLAN VIEW OF SECTION CUT LOCATIONS.

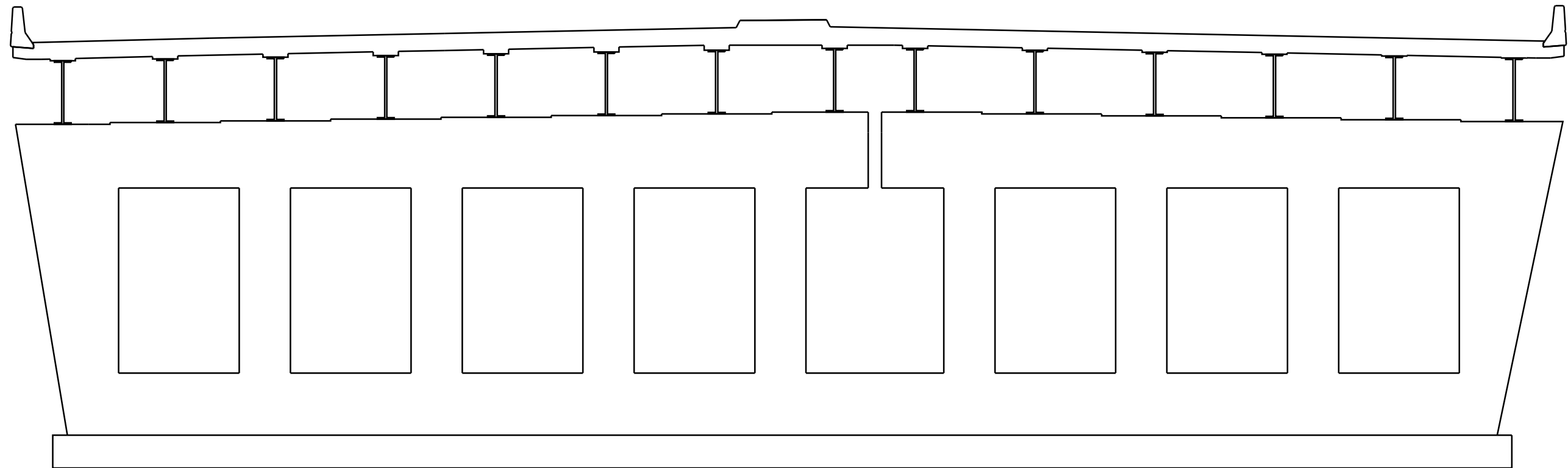


**NORTH ABUTMENT ELEVATION – SECTION – B-B**

LOOKING NORTH

NOTE: SEE LIGHTING PLAN SHEET 38 FOR  
PLAN VIEW OF SECTION CUT LOCATIONS.

FILE NAME =	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>I-74 UNDERDECK LIGHTING</b> <b>AT MORTON AVENUE</b>	F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\D468620-shit-Lighting_Details-Underdeck01	DRAWN - NLH	REVISED -				90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1754	
USER NAME = tblank	CHECKED - GHT	REVISED -				CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:						SHEET NO. 39 OF 138 SHEETS	STA.	TO STA.		



**PIER ELEVATION – SECTION C-C**

LOOKING SOUTH

NOTE: FOR INFORMATION ONLY.  
SEE LIGHTING PLAN SHEET 38 FOR  
PLAN VIEW OF SECTION CUT LOCATIONS.

FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shr-Lighting_Details-Underdeck01	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

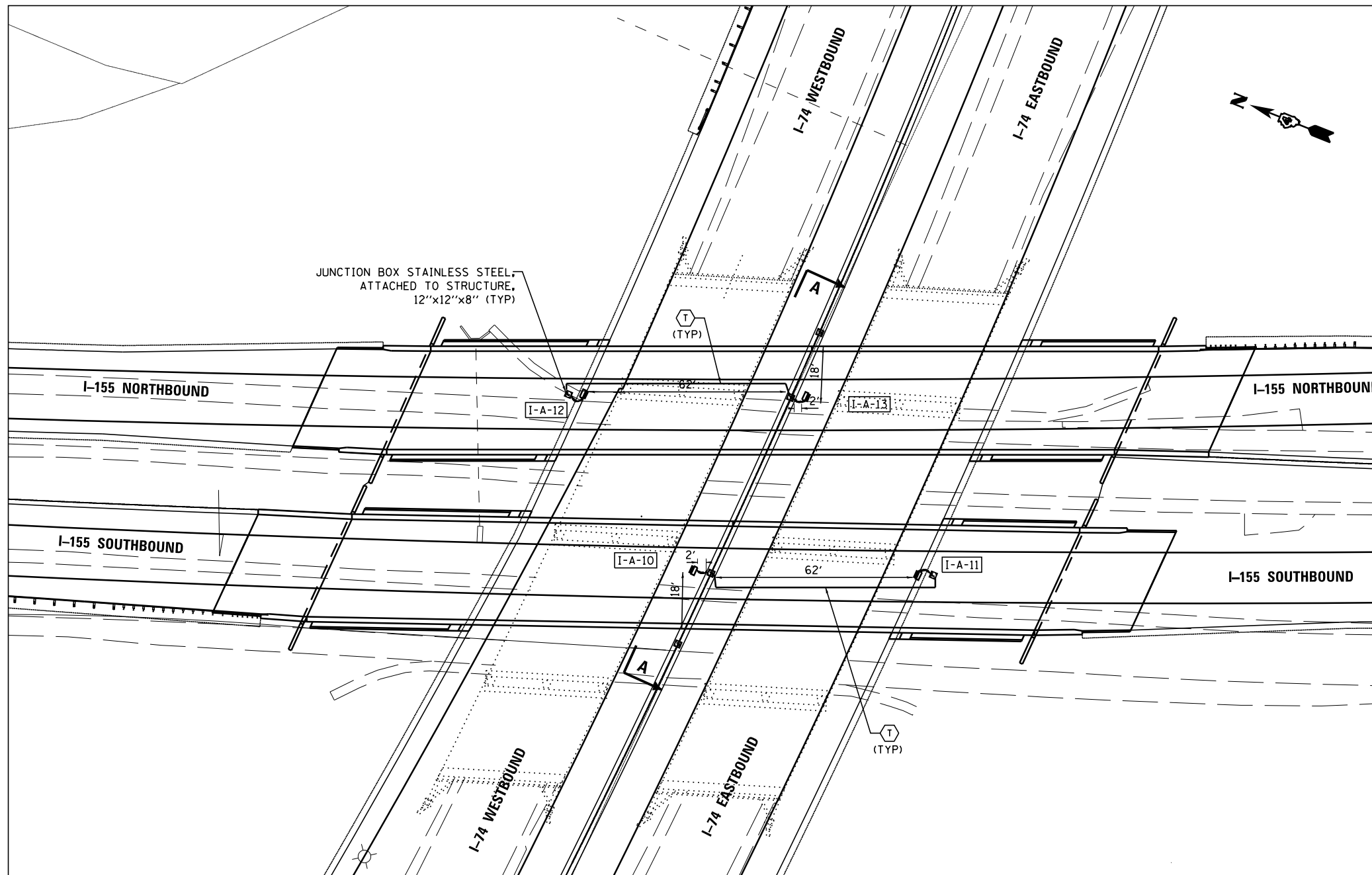


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-74 UNDERDECK LIGHTING  
AT MORTON AVENUE

SCALE: SHEET NO. 40 OF 138 SHEETS STA. TO STA.

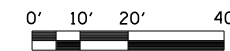
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 90-[14R(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1755
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68620	



**STREET LIGHTING - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	124
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	40
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	6
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	4
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO.10	FOOT	684
CONDUIT, FLEXIBLE NON-METALLIC, WEATHERPROOF, 1.5" DIAMETER	FOOT	36

**UNDERDECK LIGHTING PLAN - I-155 OVER I-74**



SCALE: 1" = 20'

FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-Lighting_Details-Underdeck01	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



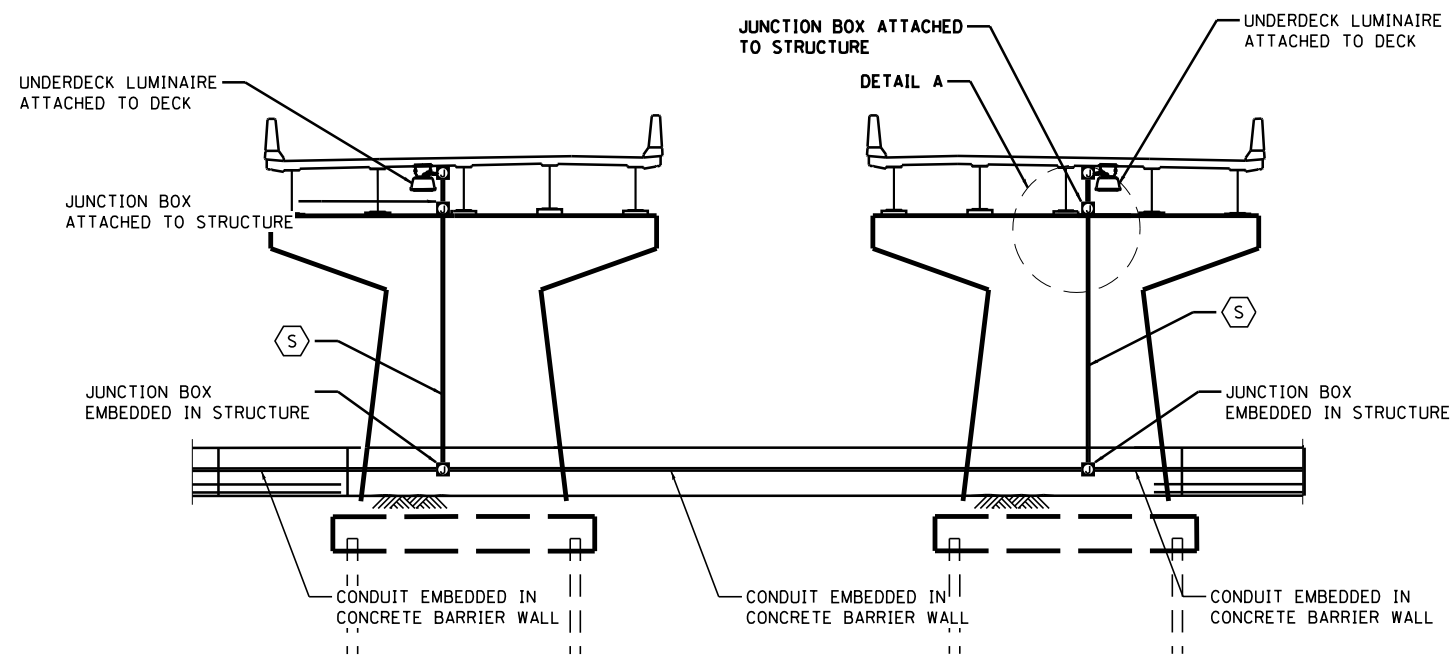
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-74 UNDERDECK LIGHTING  
AT I-155

SCALE: 1"=20' SHEET NO. 41 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R]14HB-4,14,14HVB[BR]		TAZEWELL	2433	1756
CONTRACT NO. 68620			ILLINOIS FED. AID PROJECT	

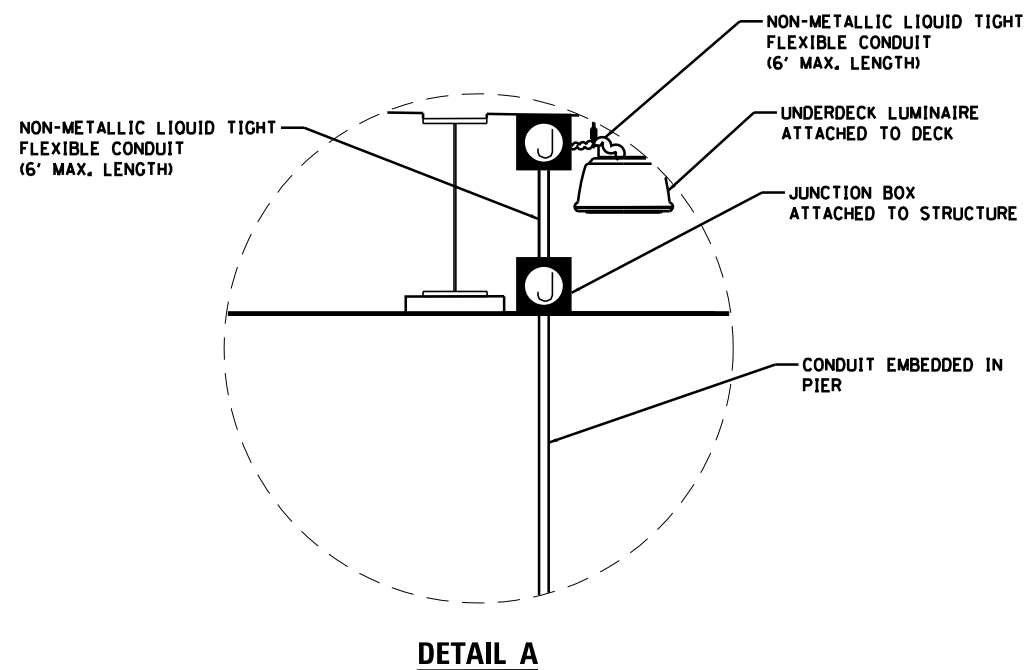




**PIER ELEVATION - SECTION A-A**

LOOKING SOUTH

NOTE: SEE LIGHTING PLAN SHEET 42 FOR PLAN VIEW OF SECTION CUT LOCATIONS.



**DETAIL A**

FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shd-Lighting_Details-Underdeck01	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

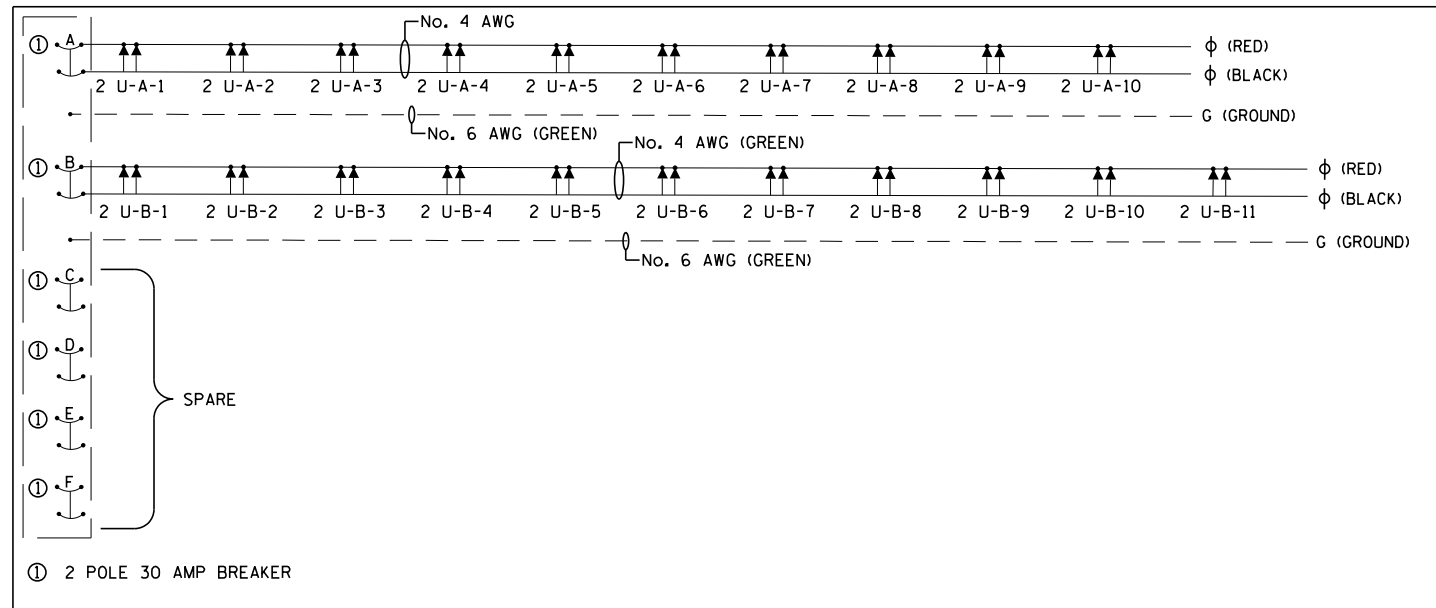


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-74 UNDERDECK LIGHTING  
AT I-155

SCALE: SHEET NO. 42 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R;(14HB-4;14,14HB)BR]		TAZEWELL	2433	1757
CONTRACT NO. 68620			ILLINOIS FED. AID PROJECT	



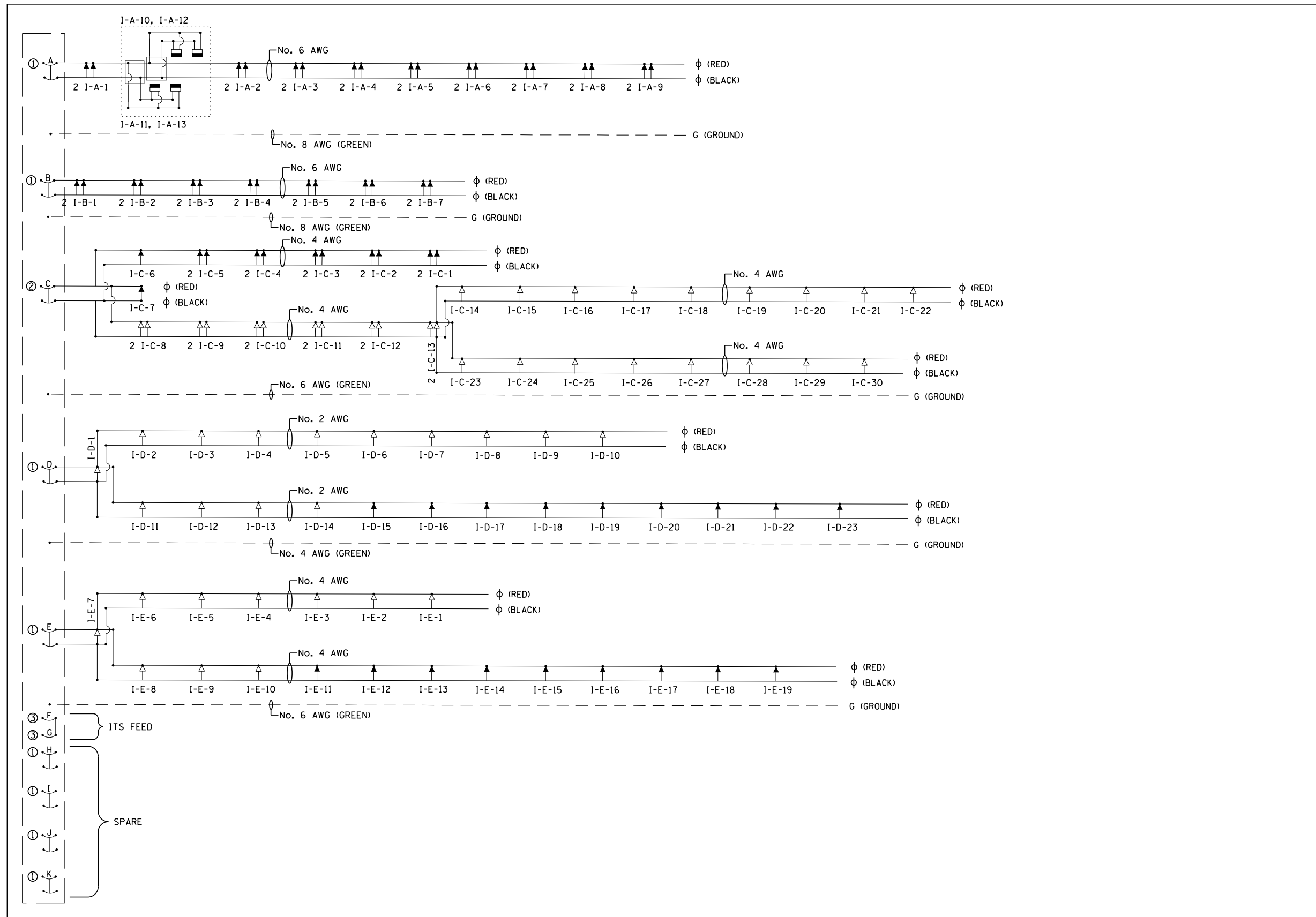
**I-74 / MUELLER ROAD  
LIGHTING CONTROLLER "U" SCHEMATIC**

NOT TO SCALE

**LEGEND**

- ↑ 400 W HPS LUMINAIRE
- ↑ 250 W HPS LUMINAIRE
- 100 W HPS UNDERPASS LUMINAIRE

FILE NAME =	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED LIGHTING WIRING SCHEMATIC</b>	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \D468620-sh-1-Lighting-WiringSchematic01.dgn	DRAWN - NLH	REVISED -				90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1758	
USER NAME = tblank	CHECKED - GHT	REVISED -				CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -	SCALE:	SHEET NO. 43 OF 138 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



- ① 2 POLE 30 AMP BREAKER
- ② 2 POLE 40 AMP BREAKER

**I-74 / I-155 INTERCHANGE  
LIGHTING CONTROLLER "I" SCHEMATIC**

NOT TO SCALE

**LEGEND**

- ↑ 400 W HPS LUMINAIRE
- ↑ 250 W HPS LUMINAIRE
- ▭ 100 W HPS UNDERPASS LUMINAIRE

FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-shit-Lighting_WiringSchematic02.dwg	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

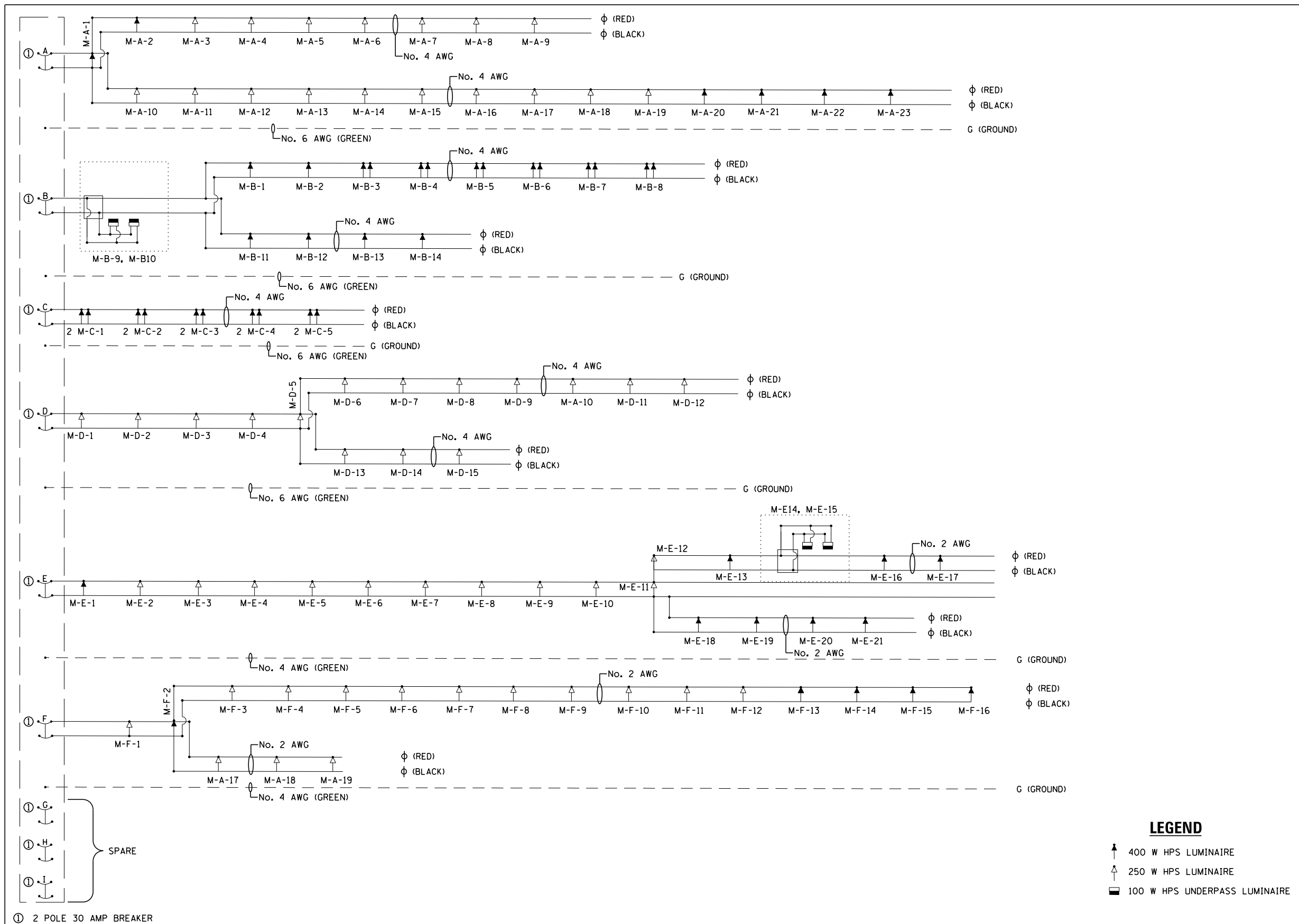


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING  
WIRING SCHEMATIC**

SCALE: SHEET NO. 44 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14Rz(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1759
<b>CONTRACT NO. 68620</b>				
ILLINOIS FED. AID PROJECT				



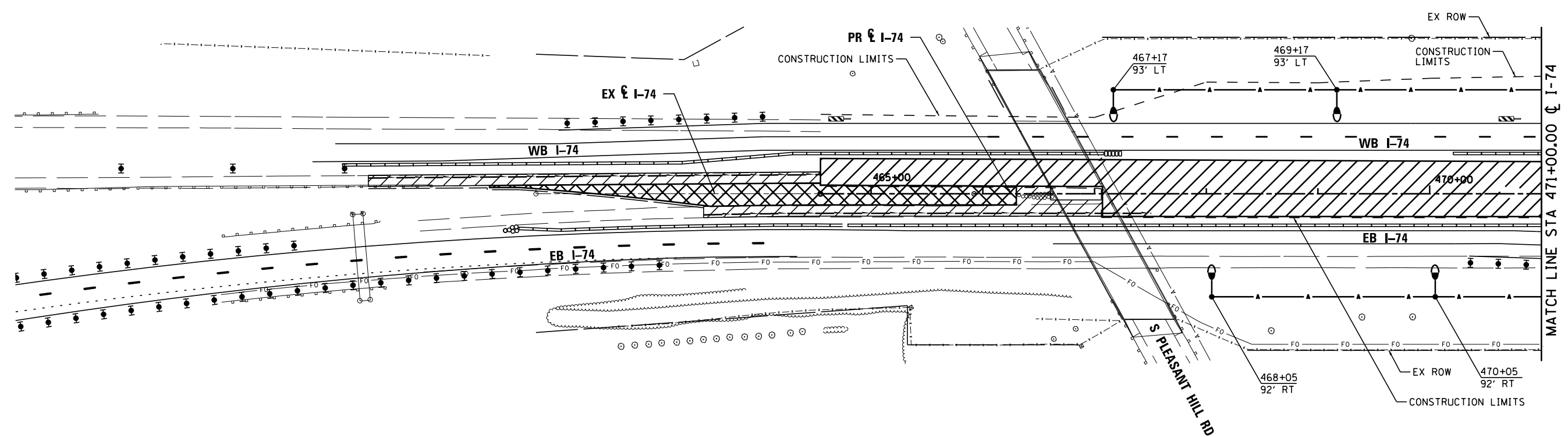
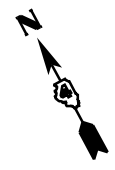
**I-74 / I-155 INTERCHANGE  
LIGHTING CONTROLLER "M" SCHEMATIC**

NOT TO SCALE

**LEGEND**

- ↑ 400 W HPS LUMINAIRE
- ↑ 250 W HPS LUMINAIRE
- ▢ 100 W HPS UNDERPASS LUMINAIRE

FILE NAME =	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED LIGHTING WIRING SCHEMATIC</b>	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...D468620-sh-Lighting_WiringSchematic03.dwg	DRAWN - NLH	REVISED -				90-[14R;(14HB-4,14,14HV)BR]	TAZEWELL	2433	1760	
USER NAME = tblank	CHECKED - GHT	REVISED -				CONTRACT NO. 68620				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE: SHEET NO. 45 OF 138 SHEETS STA. TO STA.										

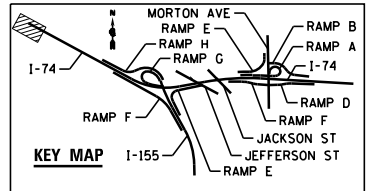


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	4
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	4
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	678



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-74-TempStg01-light01.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

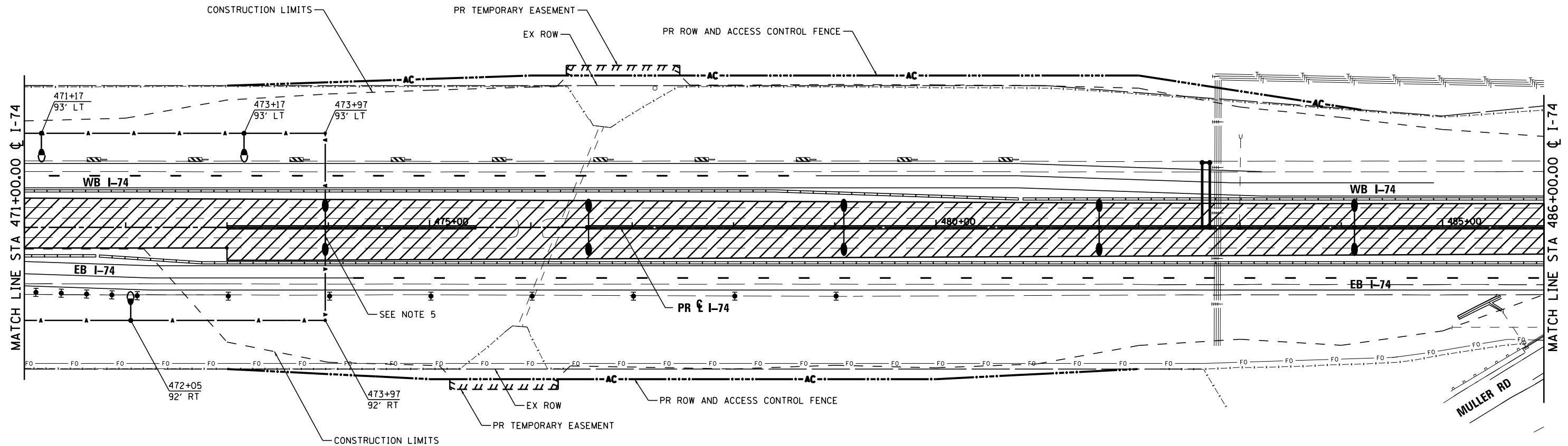
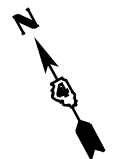


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 46 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HB)BR]		TAZEWELL	2433	1761
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				

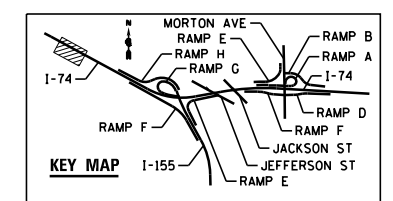


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. FOR PROPOSED LIGHT POLE, LUMINAIRE, CONDUIT, ETC., SEE LIGHTING SHEET 4.
5. ATTACH WEATHER HEAD TO PROPOSED LIGHTING UNIT FOR AERIAL CABLE CONNECTION. THE WEATHER HEAD SHALL BE REMOVED IN STAGE 14 WITH THE REMOVAL OF THE AERIAL CABLE. THE WEATHER HEAD AND AERIAL CABLE CONNECTION AND DISCONNECTION SHALL BE PAID WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	3
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	5
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	780



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shr-1-74-TempStg01-light02.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

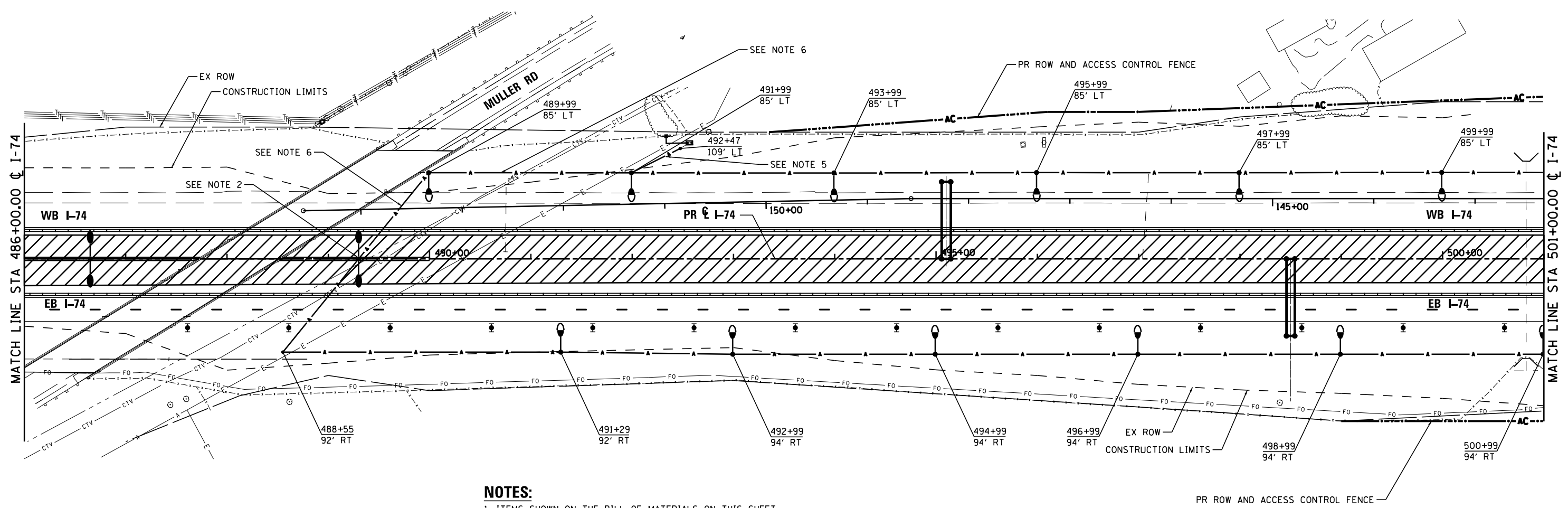


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 47 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1762
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

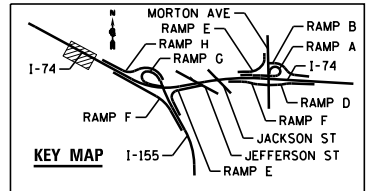


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. ATTACH WEATHER HEAD TO PROPOSED LIGHTING UNIT FOR AERIAL CABLE CONNECTION. THE WEATHER HEAD SHALL BE REMOVED IN STAGE 14 WITH THE REMOVAL OF THE AERIAL CABLE. THE WEATHER HEAD AND AERIAL CABLE CONNECTION AND DISCONNECTION SHALL BE PAID WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
3. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
4. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
5. AERIAL CABLE SHALL BE 3 SETS OF 2-1/8 NO. 2 WITH MESSENGER WIRE.
6. AERIAL CABLE SHALL BE 2 SETS OF 2-1/8 NO. 2 WITH MESSENGER WIRE.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	12
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	14
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	2625



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-74-TempStg01-light03.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

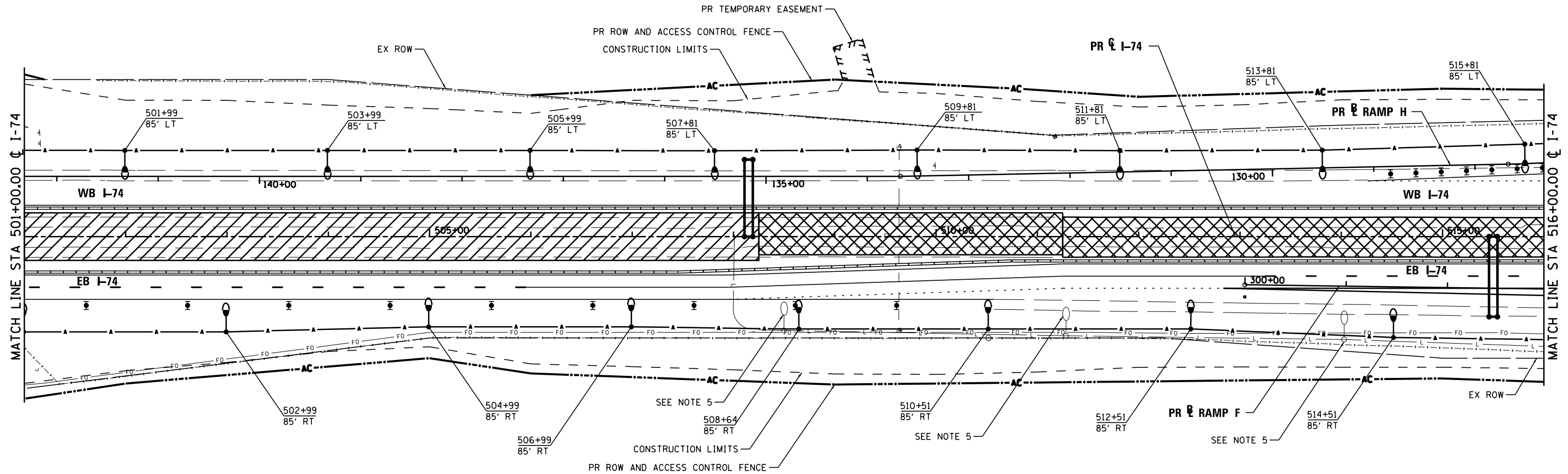


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 48 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1763
CONTRACT NO. 68620				

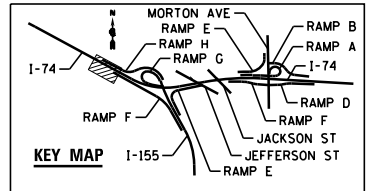


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. CONTRACTOR SHALL LOCATE EXISTING FIBER OPTIC LINE PRIOR TO PLACEMENT OF TEMPORARY WOOD POLES. CONTRACTOR SHALL MAINTAIN 5' CLEARANCE FROM EDGE OF POLE TO FIBER OPTIC LINE.
5. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	15
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	15
AERIAL CABLE, 4-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	3000



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh1-1-74-TempStg01-light04.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



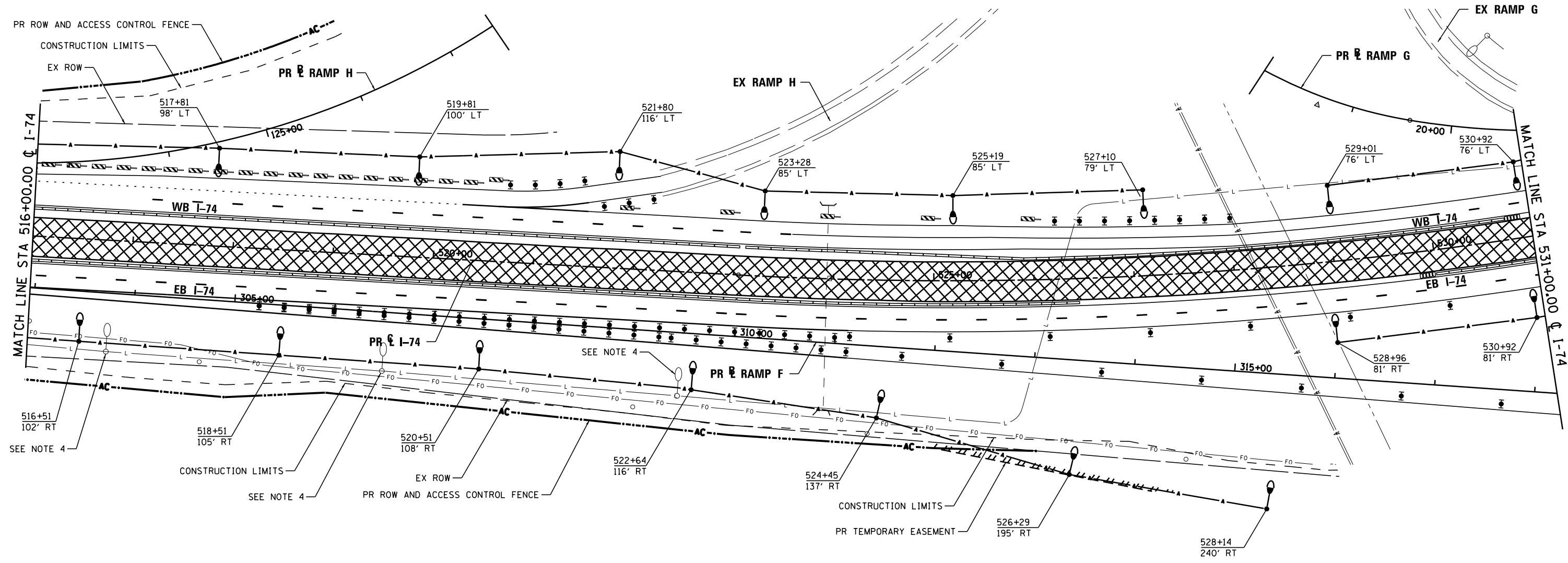
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 49 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HB)BR	TAZEWELL	ILLINOIS	2433	1764
CONTRACT NO. 68620				



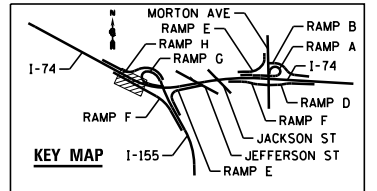


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	17
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	17
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	2764



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh-t-1-74-TempStg01-light05.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

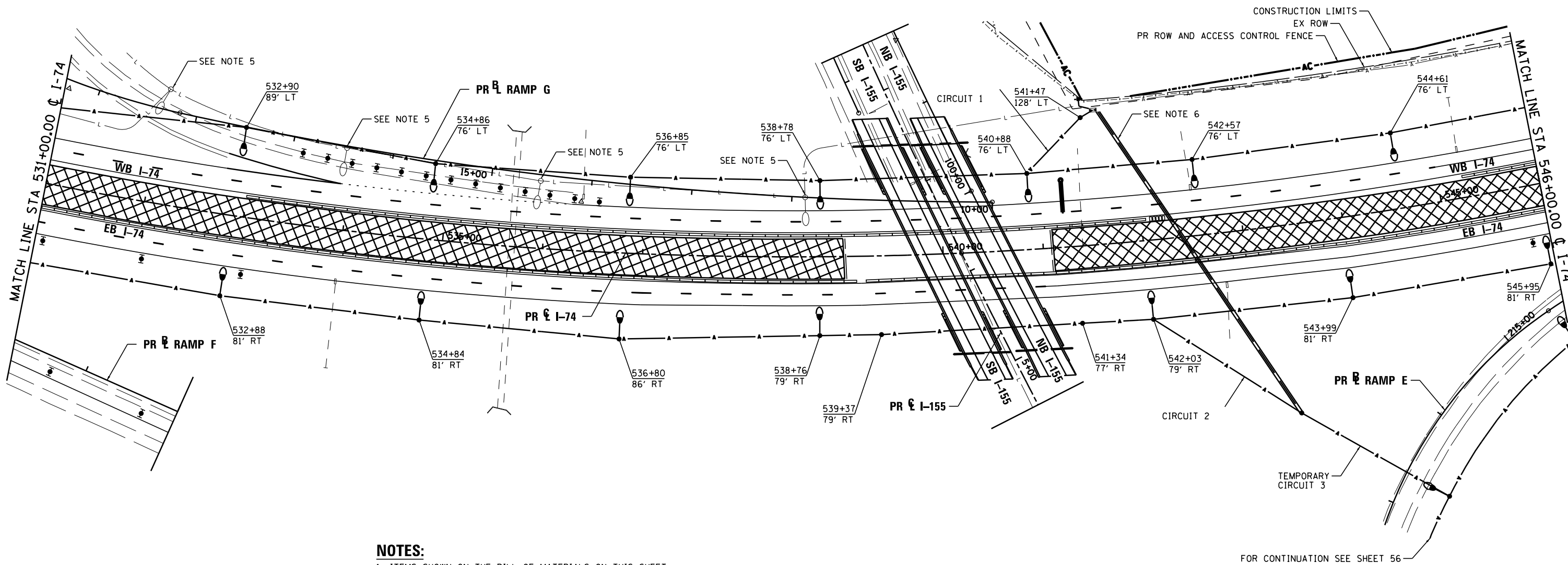


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 50 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R]14HB-4,14,14HVB[BR]		TAZEWELL	2433	1765
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				



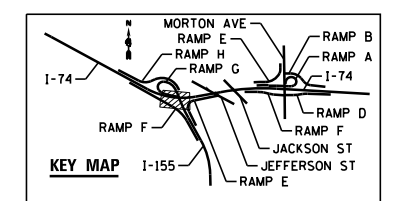
**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. FOR PROPOSED CASING, SEE LIGHTING SHEET 8.
3. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
4. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
5. EXISTING LIGHTING UNIT TO BE REMOVED. TEMPORARY LIGHTING IN THIS SECTION SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL.
6. CONTRACTOR SHALL PULL A UNIT DUCT WITH 4-1/C NO.2, 1/C NO. 4 GROUND THROUGH CASING AS PART OF THE TEMPORARY LIGHTING SYSTEM. UNIT DUCT TO BE ABANDONED FOLLOWING PERMANENT CONSTRUCTION. SEE PROPOSED LIGHTING PLANS FOR LOCATION AND CASING QUANTITY.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	16
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	20
AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	3508
UNIT DUCT, 600V, 4-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE-USE), 1/2" DIA. POLYETHYLENE	FOOT	364

CIRCUIT 1



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shr-1-74-TempStg01-light06.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

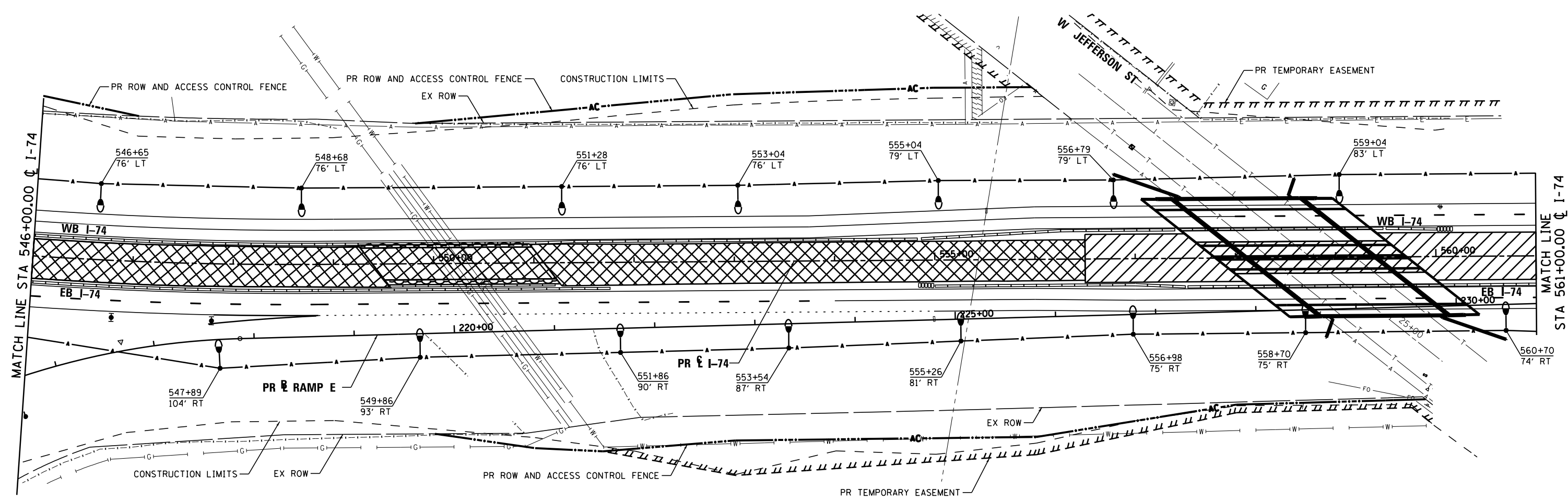


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1**

SCALE: 1"=50' SHEET NO. 51 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR		TAZEWELL	2433	1766
CONTRACT NO. 68620				

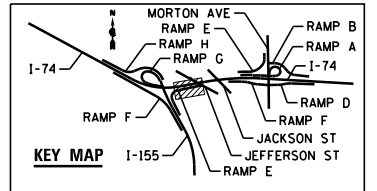


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	15
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	15
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	3008



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg01-light07.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

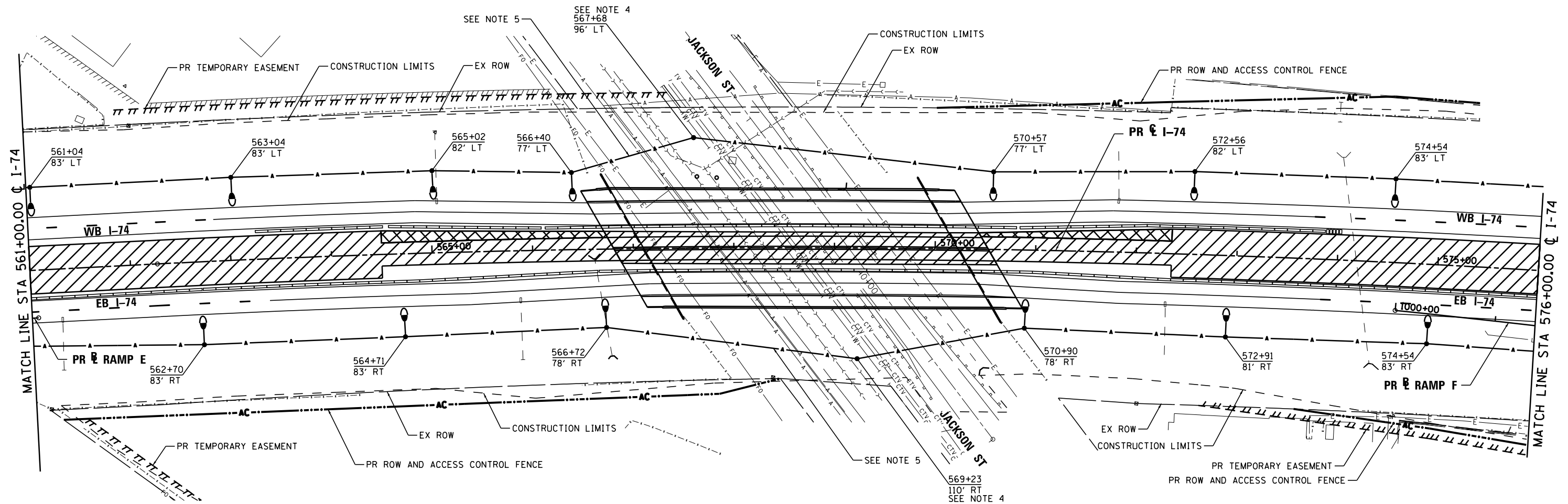


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 52 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1767	
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

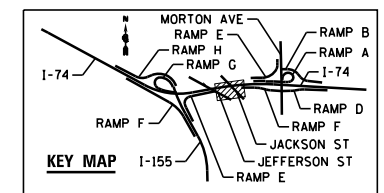


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. WOOD POLE SHALL BE 100' IN LENGTH. THE POLE SHALL BE EMBEDDED TO A DEPTH OF 20'.
5. CROSSING OF AERIAL CABLES SHALL BE COORDINATED WITH AMEREN/CILCO. CLEARANCE REQUIRED BY AMEREN/CILCO SHALL BE MAINTAINED.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	13
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	13
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	3000
LIGHT POLE, WOOD, 100 FOOT, CLASS 3	FOOT	2



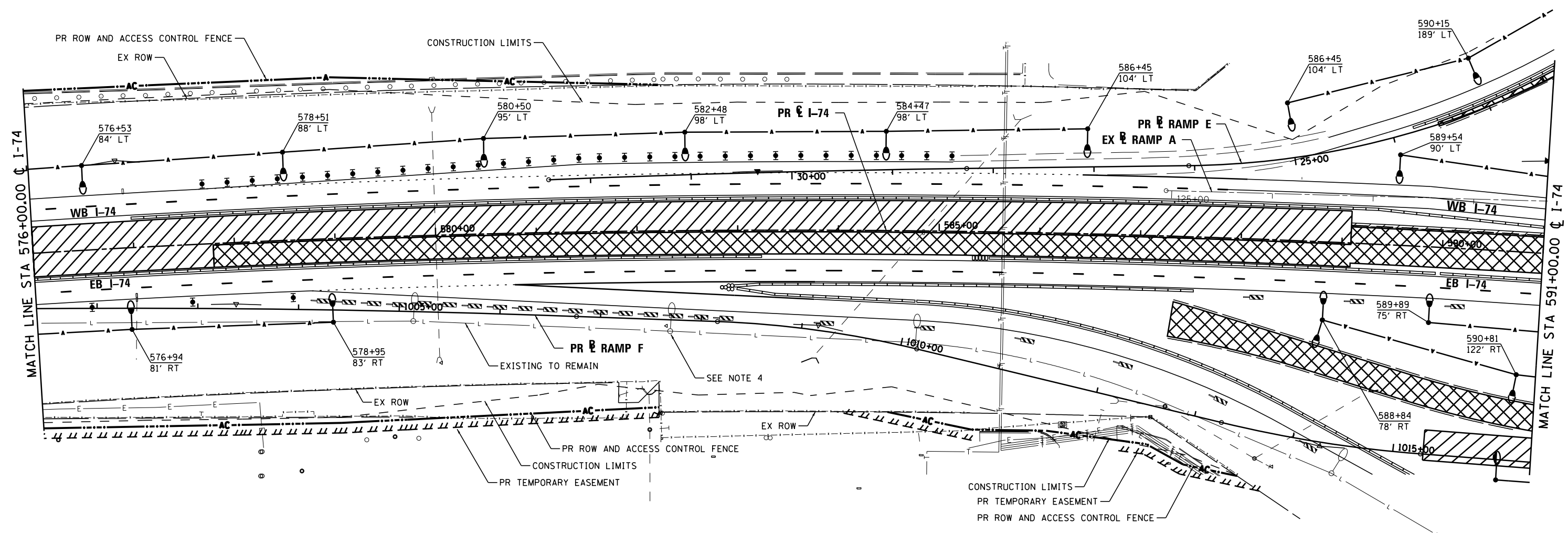
FILE NAME =	DESIGNED - BENESCH	REVISED -
...ND468620-sh1-1-74-TempStg01-light08.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>TEMPORARY LIGHTING CONSTRUCTION STAGE 1</b>	
SCALE: 1"=50'	SHEET NO. 53 OF 138 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	ILLINOIS	2433	1768
CONTRACT NO. 68620				

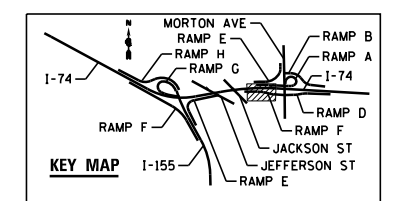


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI -MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	16
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	15
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	2114



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg01-light09.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

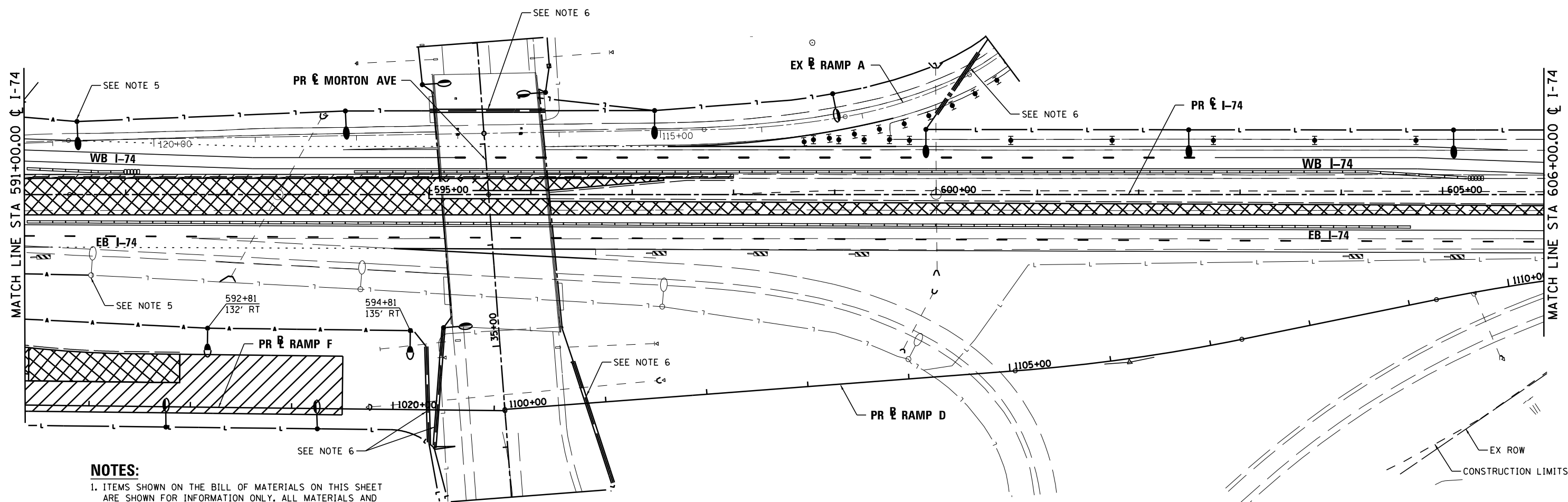


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 54 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	ILLINOIS	2433	1769
CONTRACT NO. 68620				

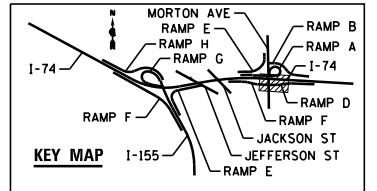


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. FOR PROPOSED LIGHT POLES, LUMINAIRES, CONDUIT, ETC., SEE SHEET 12.
5. ATTACH WEATHER HEAD TO PROPOSED LIGHTING UNIT FOR AERIAL CABLE CONNECTION. THE WEATHER HEAD SHALL BE REMOVED IN STAGE 13 WITH THE REMOVAL OF THE AERIAL CABLE. THE WEATHER HEAD AND AERIAL CABLE CONNECTION AND DISCONNECTION SHALL BE PAID WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
6. SEE PROPOSED LIGHTING PLAN FOR LOCATION AND QUANTITY OF CASING AND UNIT DUCT.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	2
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	458



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg01-lightl0.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

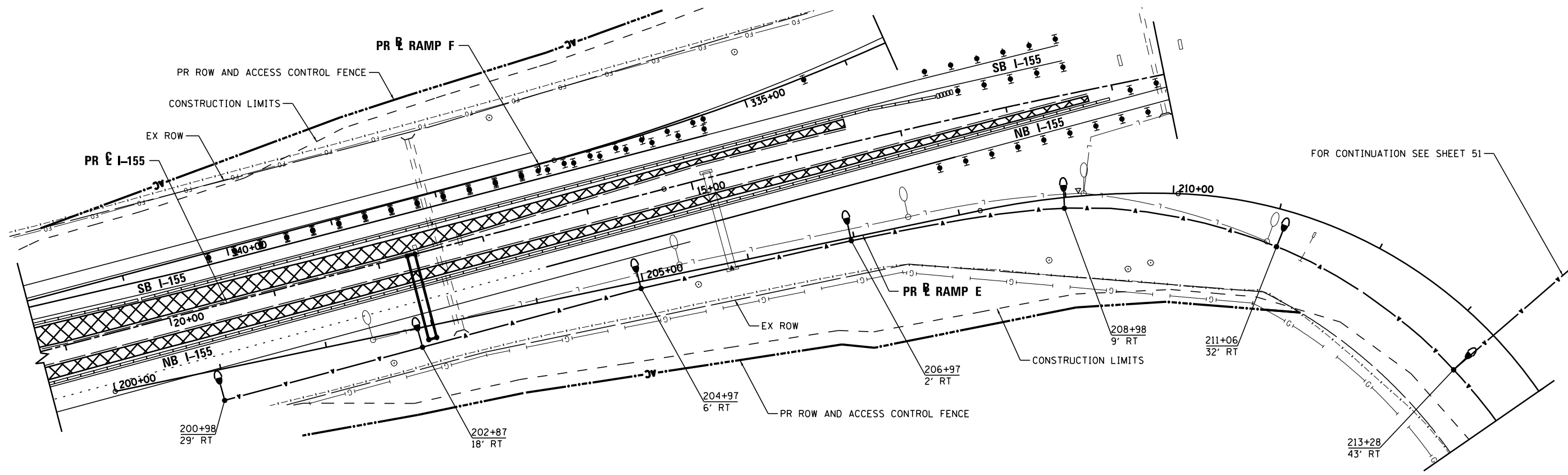


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 55 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HB)BR	TAZEWELL	ILLINOIS	2433	1770
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				



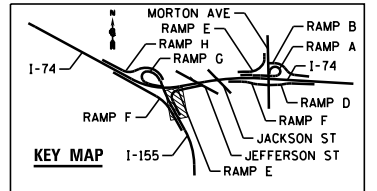
FOR CONTINUATION SEE SHEET 51

**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	7
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	7
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	1266



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-TempStg01-light17.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

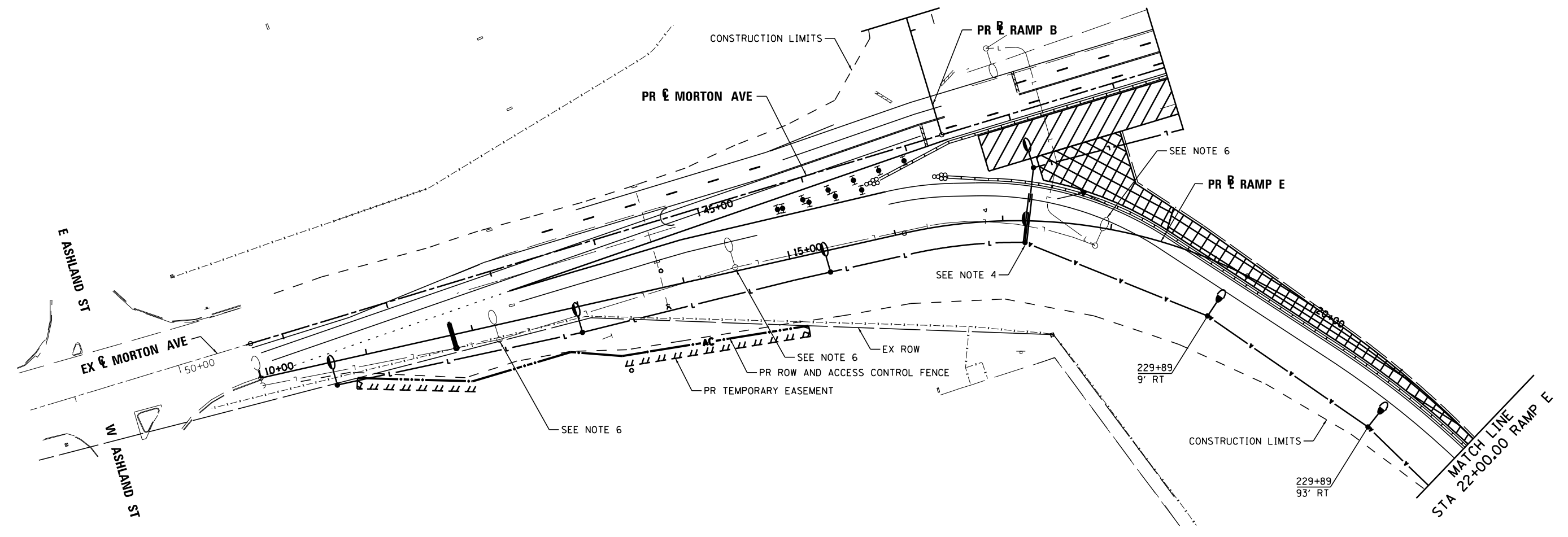


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1

SCALE: 1"=50' SHEET NO. 56 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1771
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

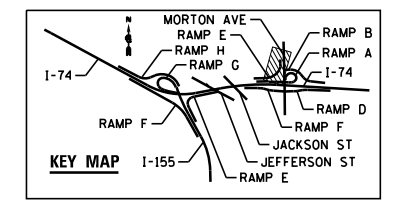


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. ATTACH WEATHER HEAD TO PROPOSED LIGHTING UNIT FOR AERIAL CABLE CONNECTION. THE WEATHER HEAD SHALL BE REMOVED IN STAGE 4 WITH THE REMOVAL OF THE AERIAL CABLE. THE WEATHER HEAD AND AERIAL CABLE CONNECTION AND DISCONNECTION SHALL BE PAID WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
5. FOR PROPOSED LIGHT POLES, LUMINAIRES, CONDUIT, ETC., SEE SHEET 28.
6. TEMPORARY AND PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	2
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	2
AERIAL CABLE, 2-1/2 NO. 2 WITH MESSENGER WIRE	FOOT	440



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shit-Morton-TempStg01-light38.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

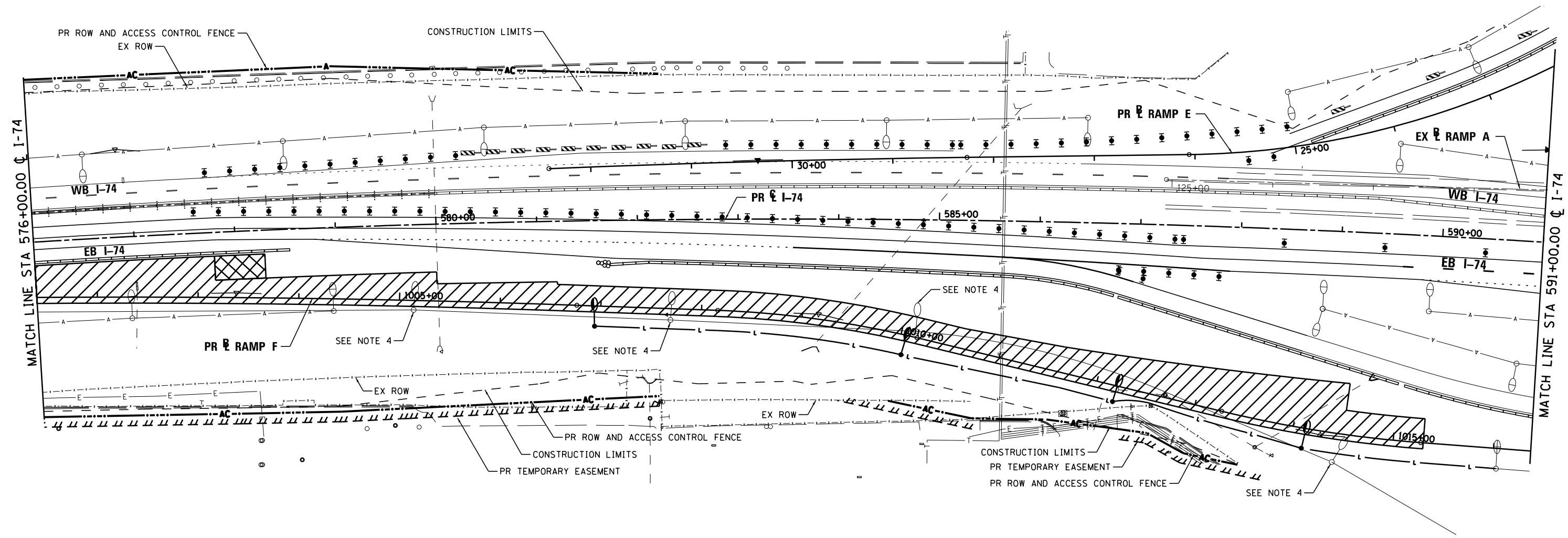


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 1  
SCALE: 1"=50' SHEET NO. 57 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	ILLINOIS	2433	1772
CONTRACT NO. 68620			ILLINOIS FED. AID PROJECT	



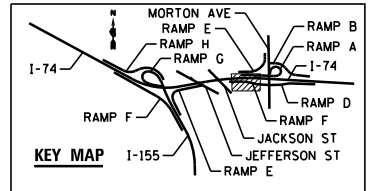


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	0
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	0
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	0



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg02-light09.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

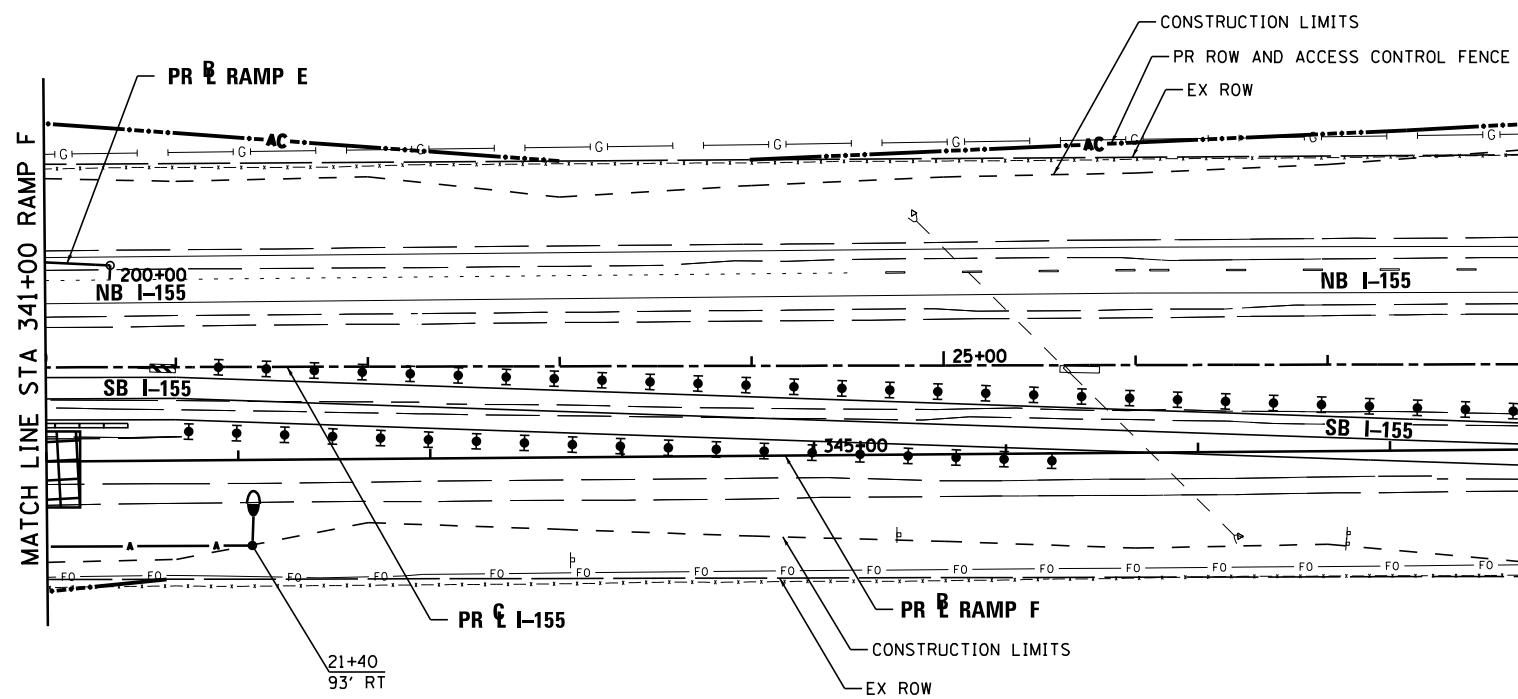
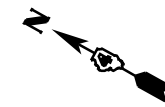


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
CONSTRUCTION STAGE 2**

SCALE: 1"=50' SHEET NO. 58 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	2433	1773	
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

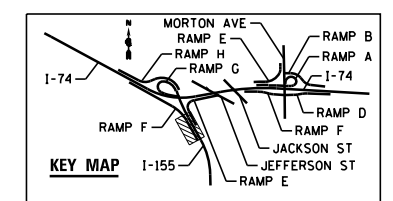


**NOTES:**

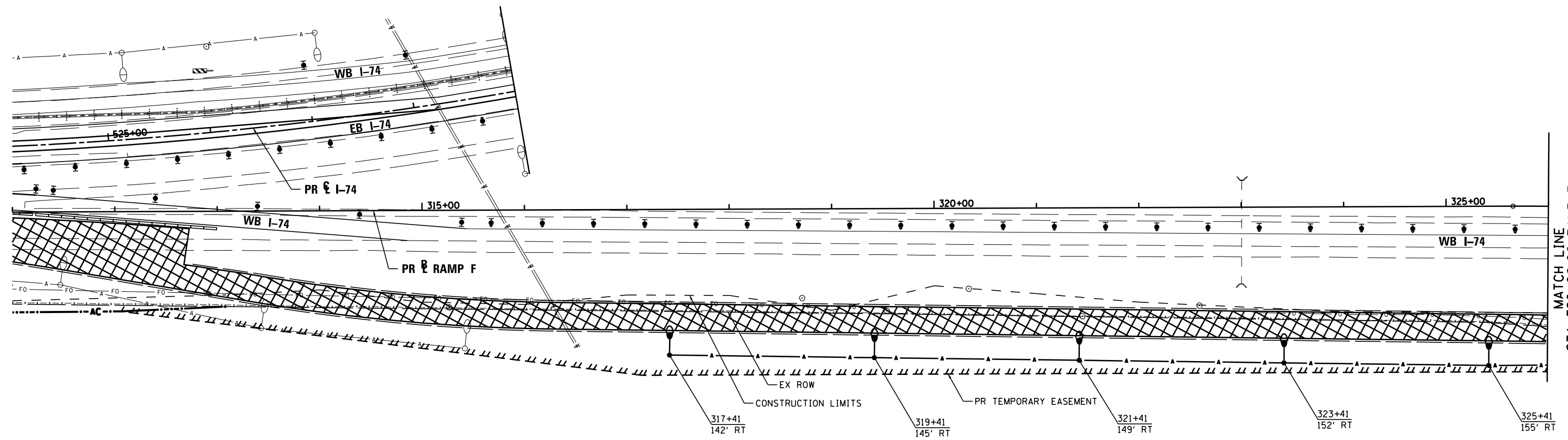
1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	1
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	1
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	100



FILE NAME = ...D468620-sh1-1-155-TempStg02-light14.dgn	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY LIGHTING CONSTRUCTION STAGE 2</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
USER NAME = tblank	DRAWN - NLH	REVISED -					90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1774		
PLOT DATE = 9/5/2012	CHECKED - GHT	REVISED -			SCALE: 1"=50'		SHEET NO. 59 OF 138 SHEETS	STA.	TO STA.	<b>CONTRACT NO. 68620</b>		
DATE - JULY 20, 2012	REVIS	REVISED -			ILLINOIS FED. AID PROJECT							

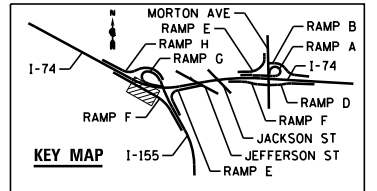


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	5
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	5
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	859



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-TempStg02-light21.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

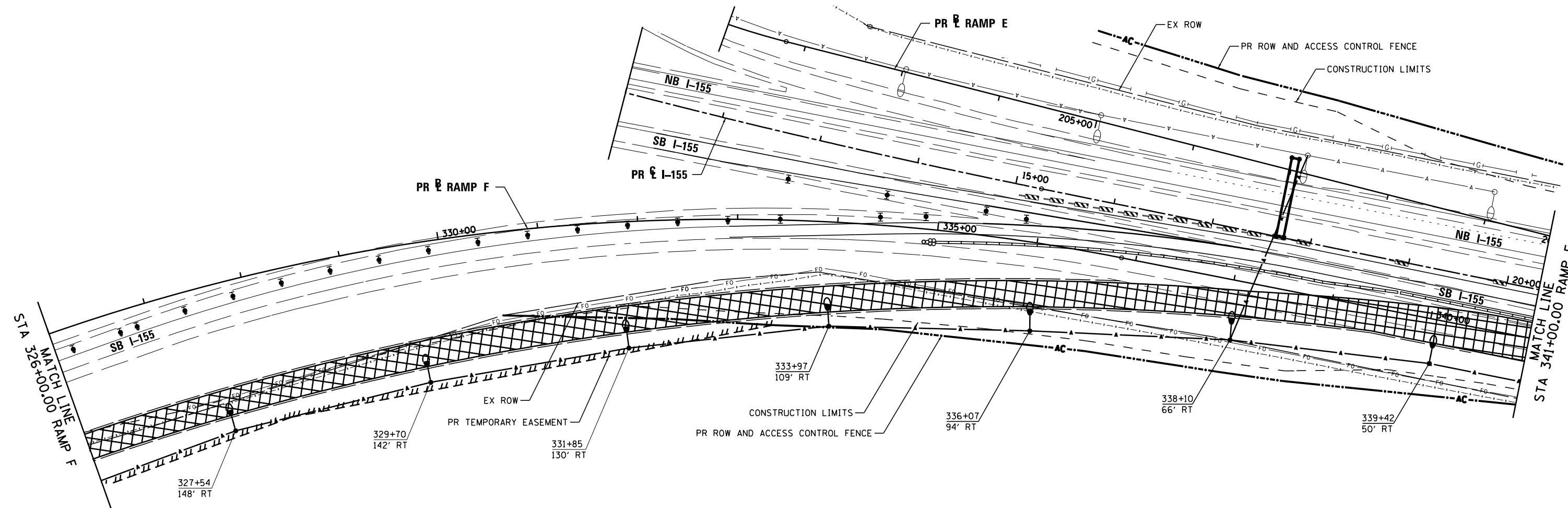
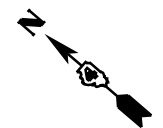


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 2

SCALE: 1"=50' SHEET NO. 60 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1775
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

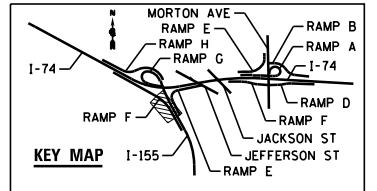


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	7
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	7
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	1600



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-TempStg02-light22.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

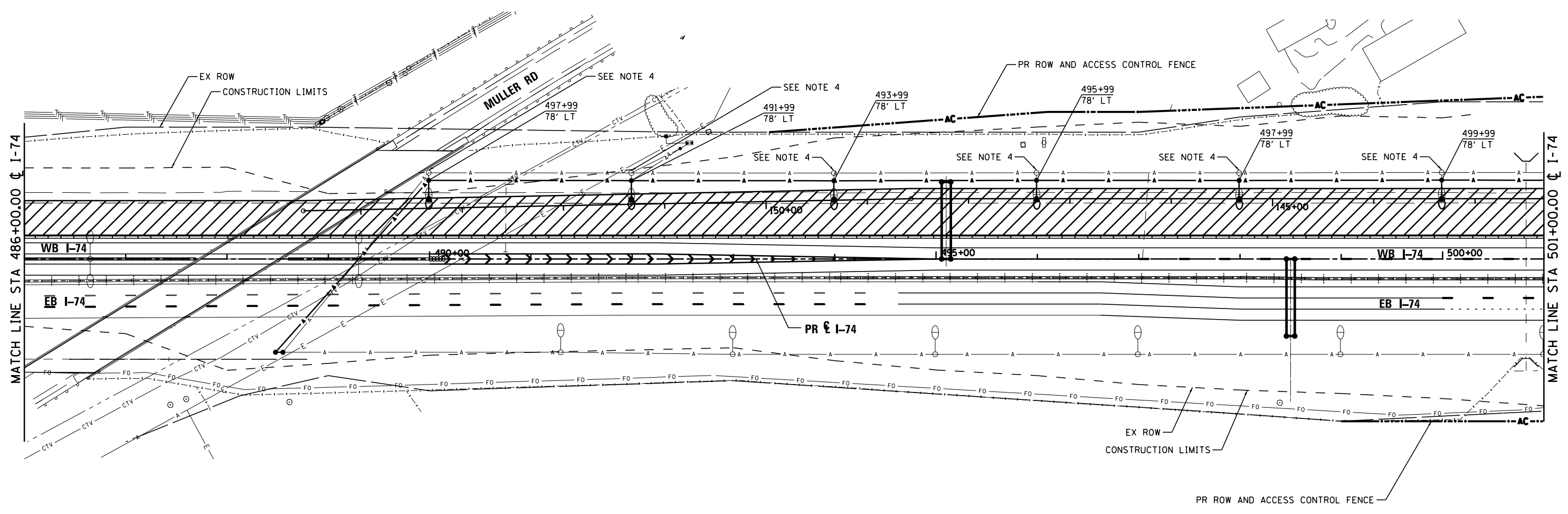


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 2

SCALE: 1"=50' SHEET NO. 61 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14Rz(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1776
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				

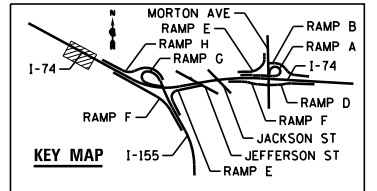


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	6
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	6
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	1330



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-74-TempStg03-light03.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

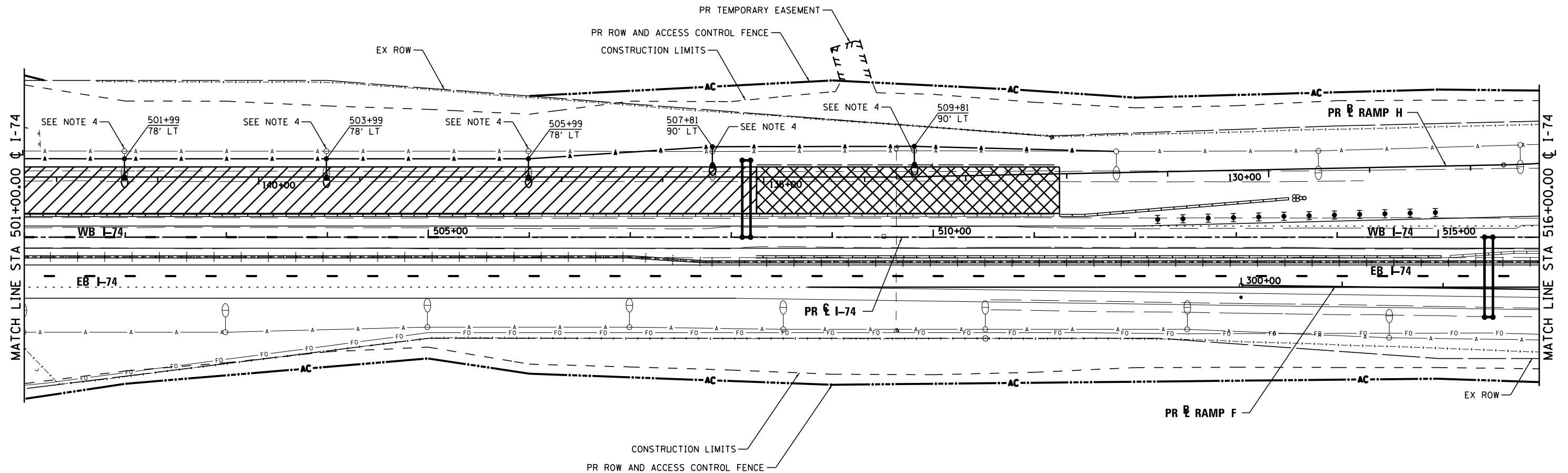


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 3

SCALE: 1"=50' SHEET NO. 62 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1777
CONTRACT NO. 68620				

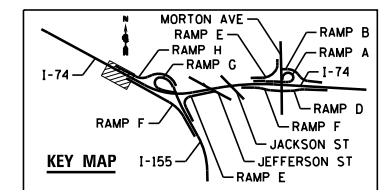


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	5
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	5
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	1082



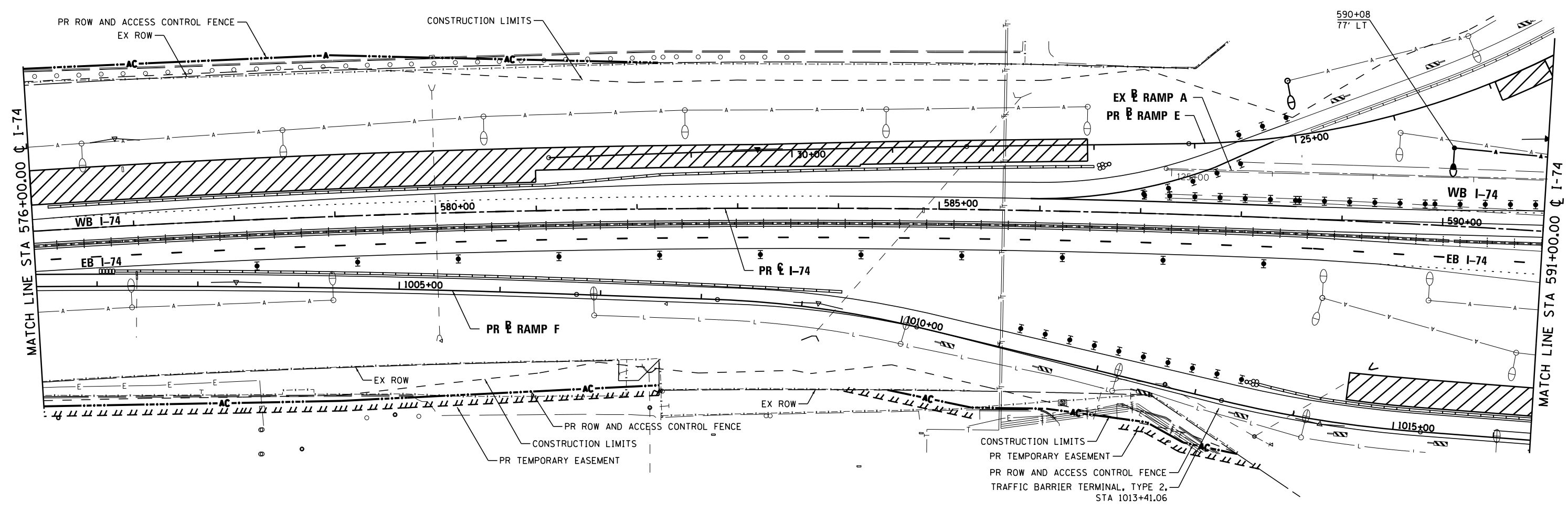
FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-74-TempStg03-light04.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>TEMPORARY LIGHTING CONSTRUCTION STAGE 3</b>	
SCALE: 1"=50'	SHEET NO. 63 OF 138 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1778	
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

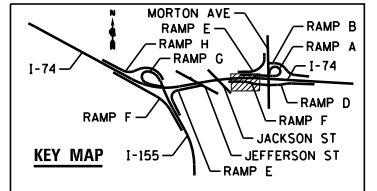


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	1
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	1
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	93



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shr-1-74-TempStg03-light09.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

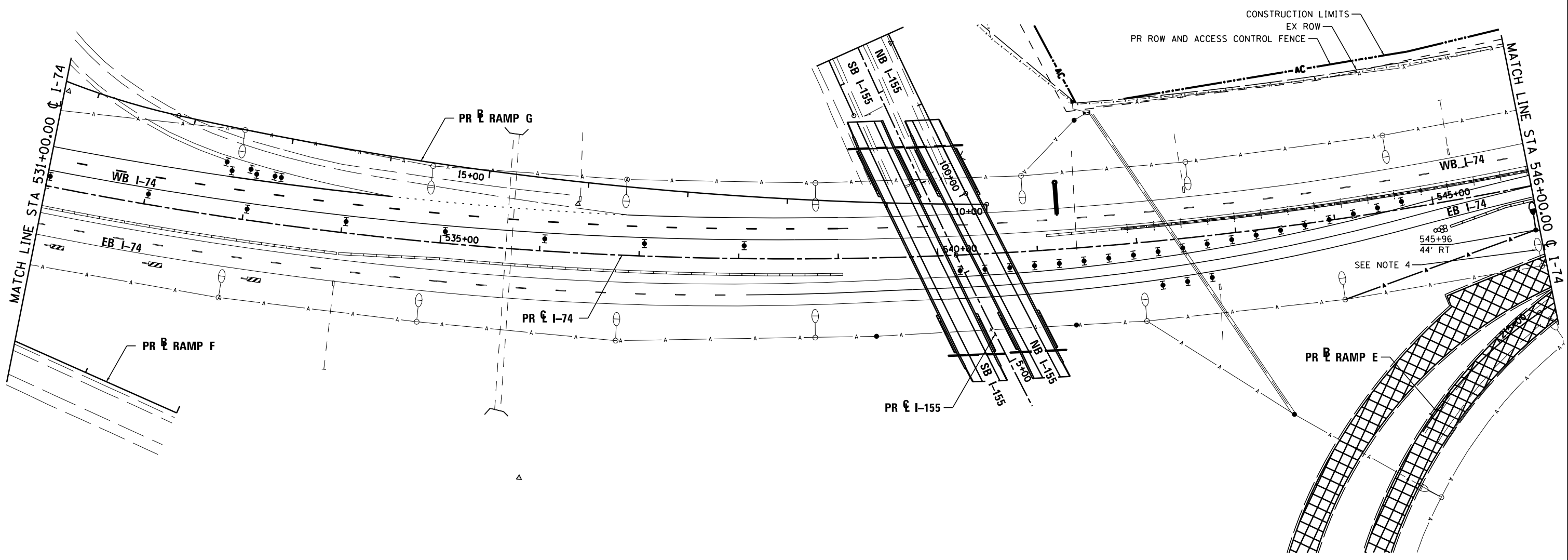


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 3

SCALE: 1"=50' SHEET NO. 64 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HB)BR]		TAZEWELL	2433	1779
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				

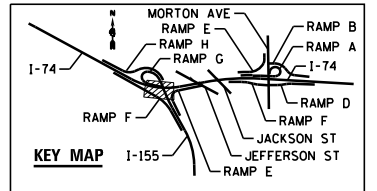


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	1
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	1
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	204



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shr-1-74-TempStg04-light06.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



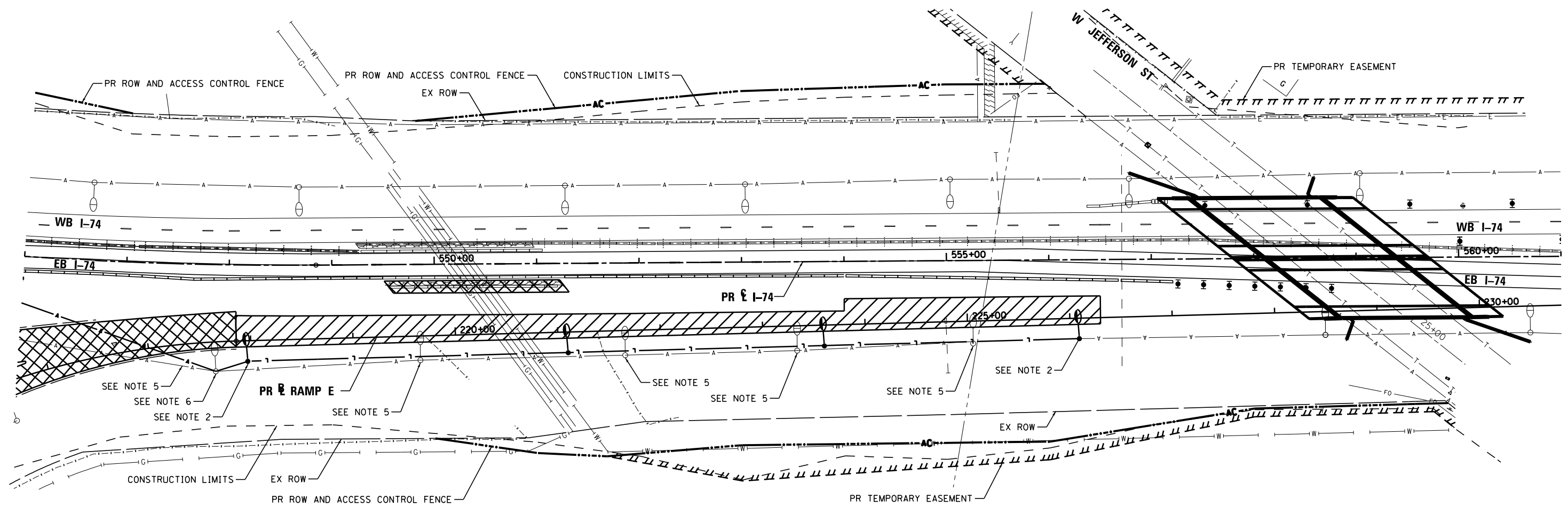
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 4

SCALE: 1"=50' SHEET NO. 65 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1780
CONTRACT NO. 68620				



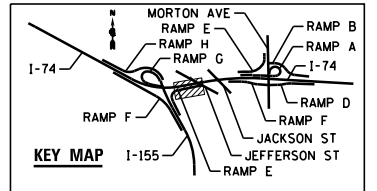


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. ATTACH WEATHER HEAD TO PROPOSED LIGHTING UNIT FOR AERIAL CABLE CONNECTION. THE WEATHER HEAD SHALL BE REMOVED IN STAGE 14 WITH THE REMOVAL OF THE AERIAL CABLE. THE WEATHER HEAD AND AERIAL CABLE CONNECTION AND DISCONNECTION SHALL BE PAID WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
3. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
4. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
5. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF TEMPORARY LIGHTS.
6. MULTI-MOUNT LUMINAIRE SHALL BE REMOVED FOLLOWING THE INSTALLATION OF PROPOSED LIGHTING UNIT. WOOD POLE TO REMAIN.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	250



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-74-TempStg04-light07.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

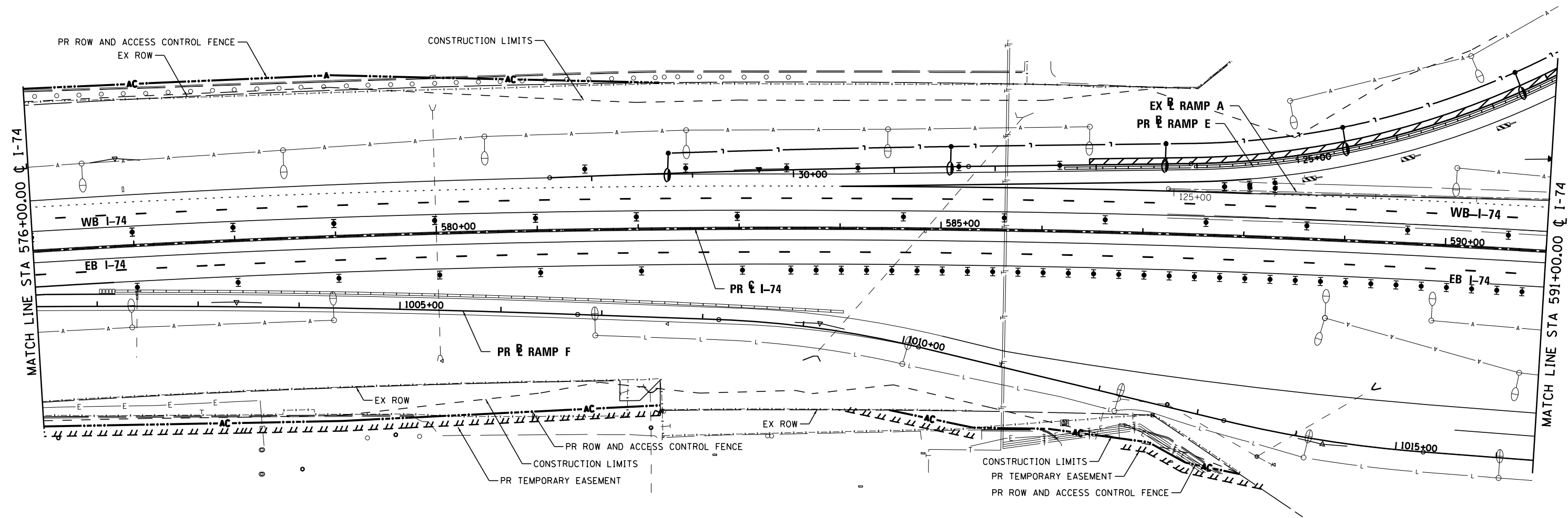


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 4

SCALE: 1"=50' SHEET NO. 66 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	ILLINOIS	2433	1781
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

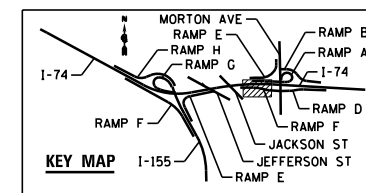


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	0
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	0
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	0



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-shr-1-74-TempStg04-light09.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

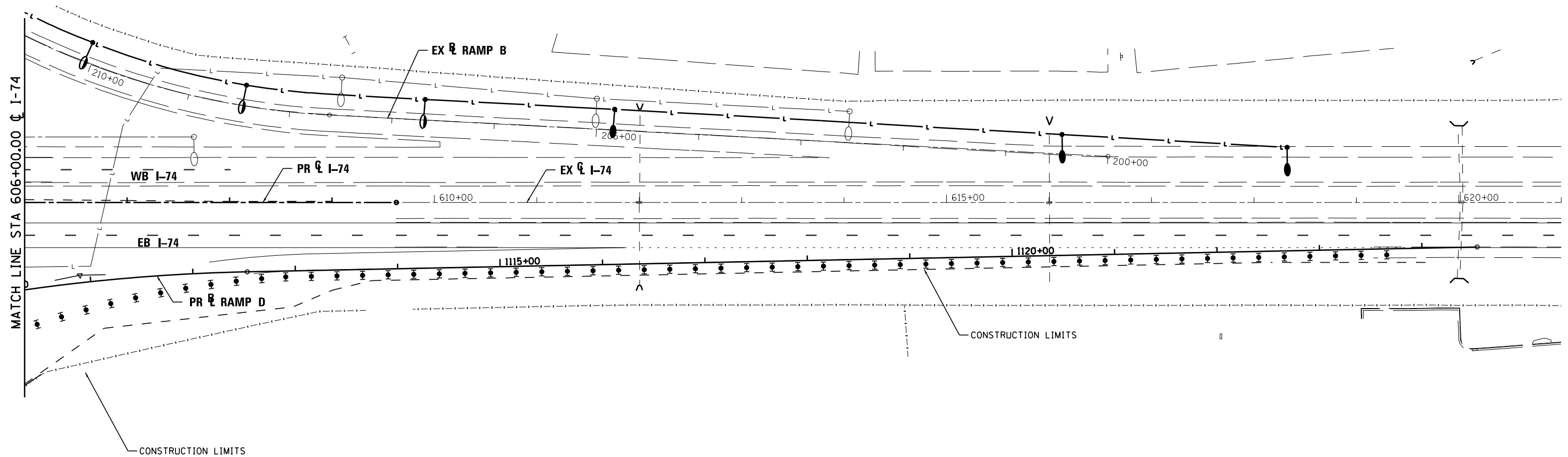


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 4

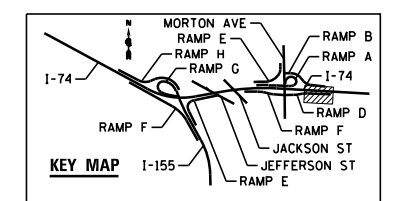
SCALE: 1"=50' SHEET NO. 67 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-I14R(14HB-4,14,14HVB)BRJ		TAZEWELL	2433	1782
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

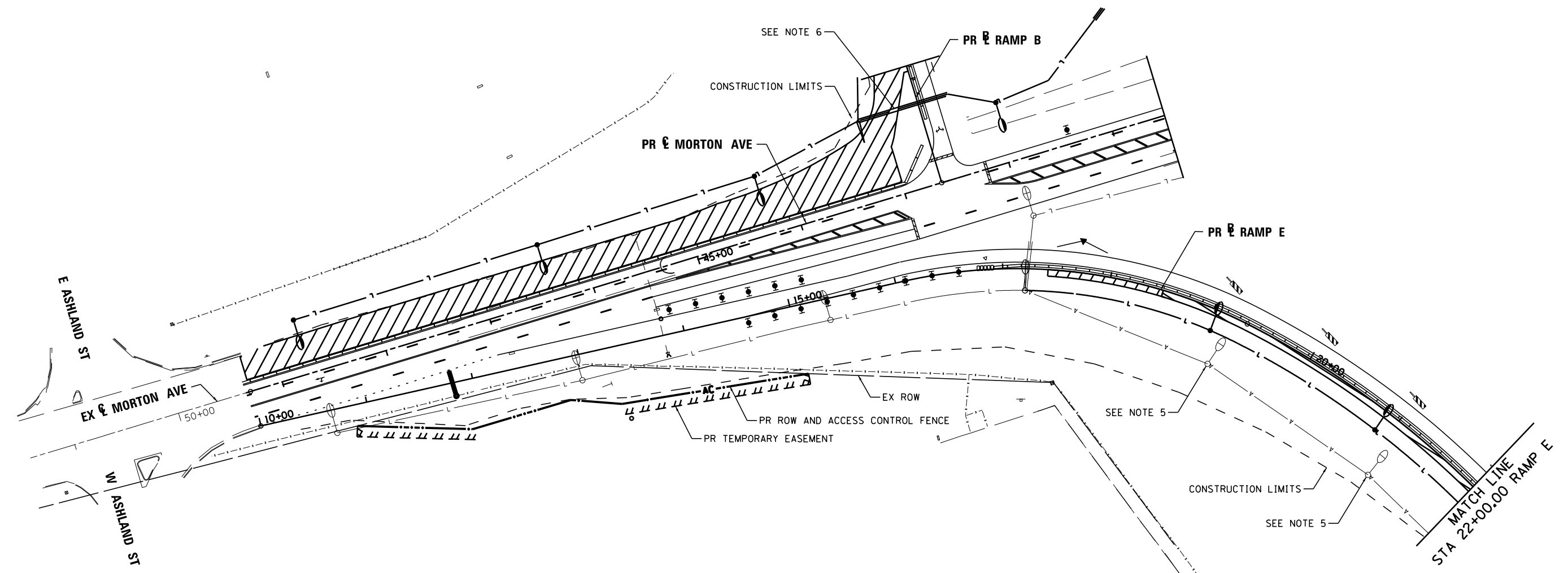


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

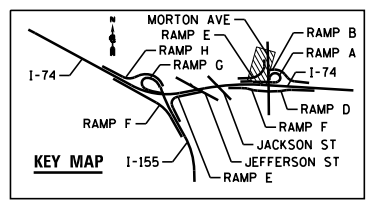


FILE NAME =	DESIGNED - BENESCH	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY LIGHTING CONSTRUCTION STAGE 4</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...ND468620-sh1-1-74-TempStg04-light1.dgn	DRAWN - NLH	REVISED -			90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1783				
USER NAME = tblank	CHECKED - GHT	REVISED -			<b>CONTRACT NO. 68620</b>			ILLINOIS FED. AID PROJECT				
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -			SCALE: 1"=50'	SHEET NO. 68 OF 138 SHEETS	STA.	TO STA.				

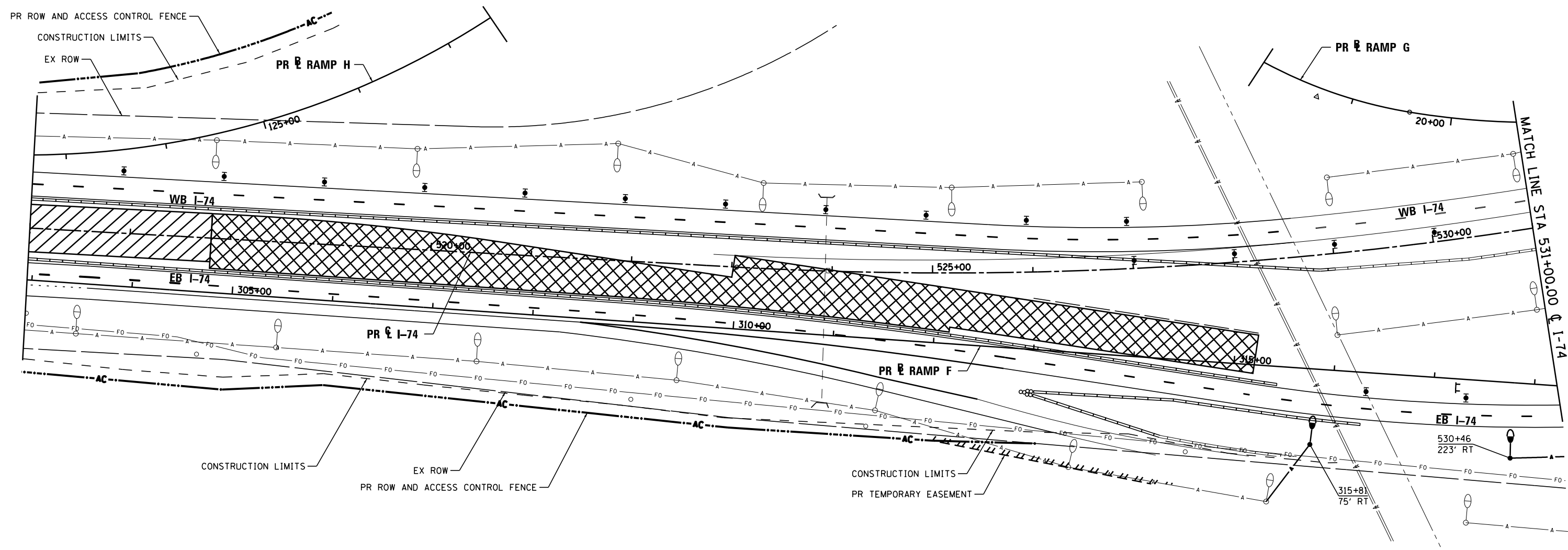


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. FOR PROPOSED LIGHT POLES, LUMINAIRES, CONDUIT, ETC., SEE SHEET 28.
5. TEMPORARY AND PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.
6. SEE PERMANENT LIGHTING PLANS FOR CASING LOCATION AND QUANTITY.



FILE NAME =	DESIGNED - BENESCH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY LIGHTING</b> <b>CONSTRUCTION STAGE 4</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \D468620-sh1-Morton-TempStg04-light38.dgn	DRAWN - NLH	REVISED -		SCALE: 1"=50'	SHEET NO. 69 OF 138 SHEETS	90-114R(14HB-4,14,14HVB)BR	TAZEWELL	2433	1784
USER NAME = tblank	CHECKED - GHT	REVISED -		STA.	TO STA.	<b>CONTRACT NO. 68620</b>			
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -		ILLINOIS FED. AID PROJECT					

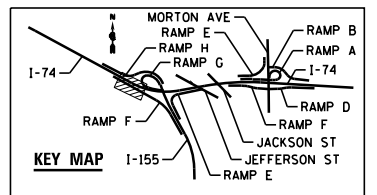


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	2
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	2
AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	127



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-74-TempStg06-light05.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

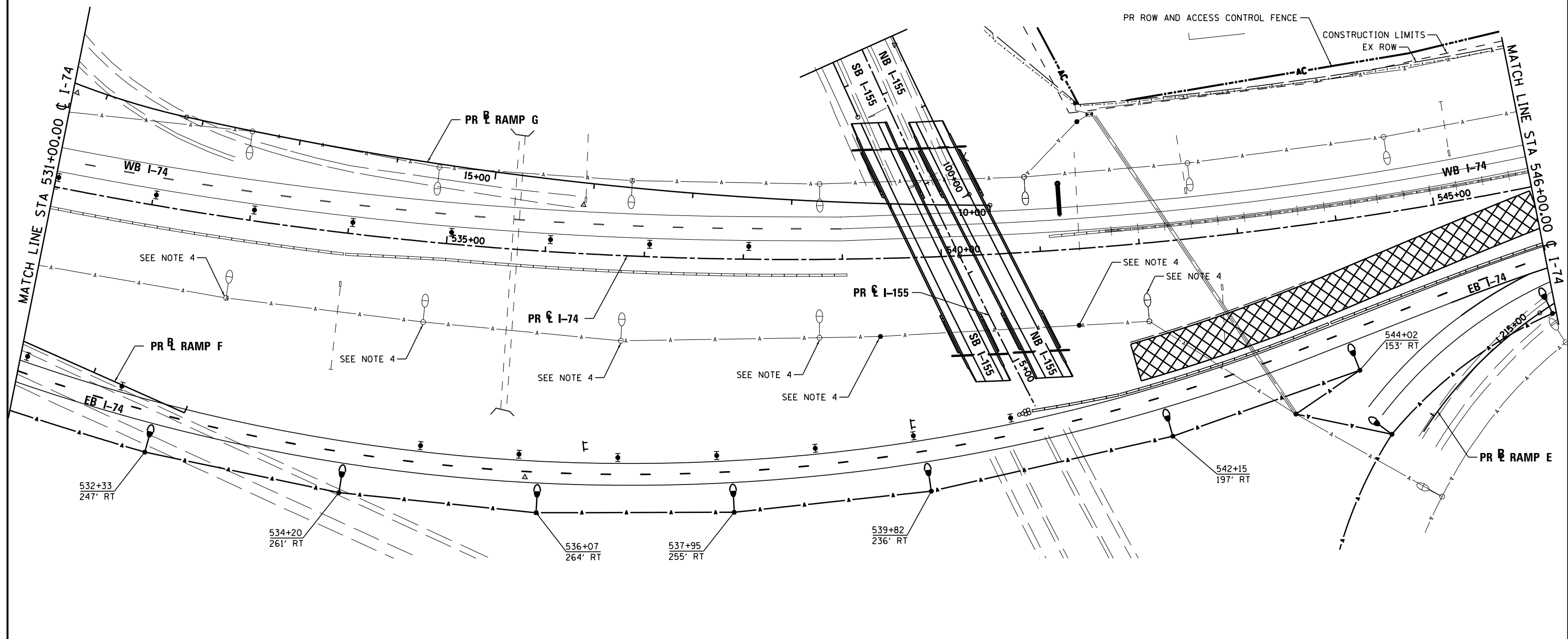


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 6

SCALE: 1"=50' SHEET NO. 70 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1785
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

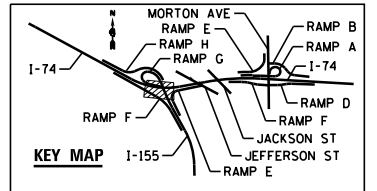


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	9
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	9
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	1862



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-74-TempStg06-light06.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

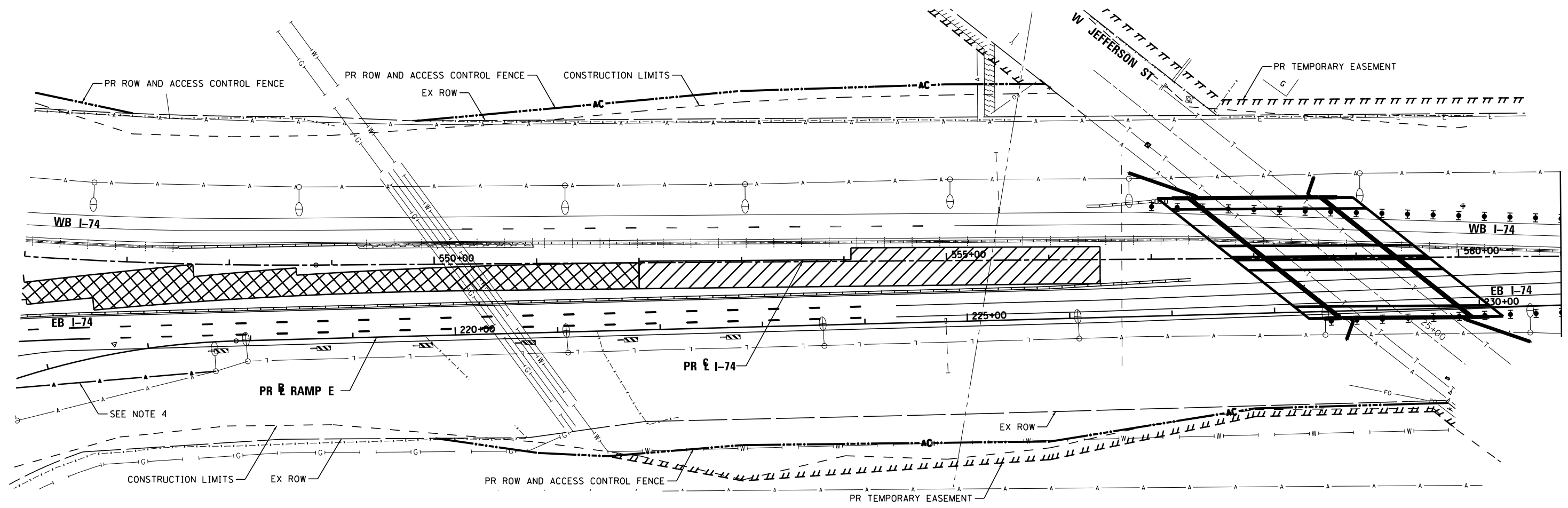


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 6

SCALE: 1"=50' SHEET NO. 71 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-I14R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1786
CONTRACT NO. 68620				

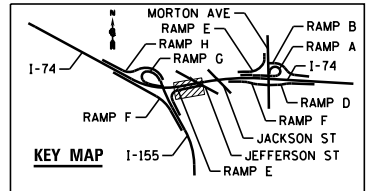


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	0
LIGHT POLE, WOOD, 60 FOOT, CLASS 3	EACH	0
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	197



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-74-TempStg06-light07.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

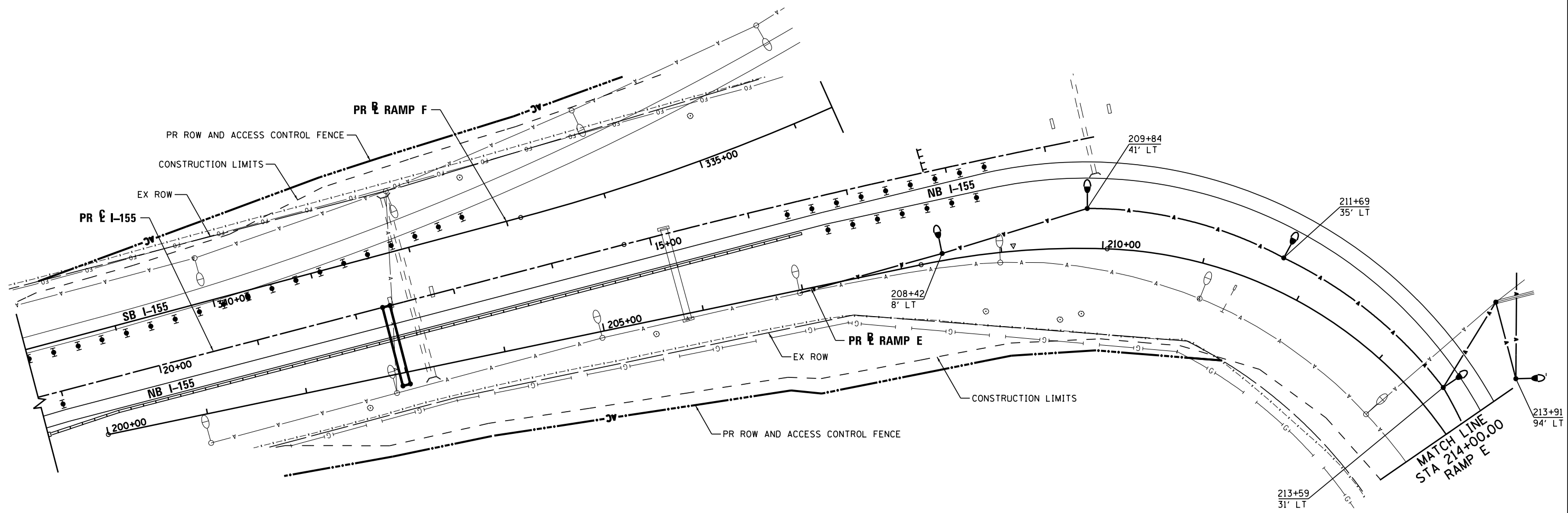


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 6

SCALE: 1"=50' SHEET NO. 72 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HB)BR		TAZEWELL	2433	1787
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				



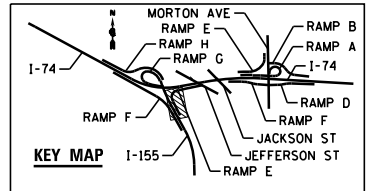
NB I-155 PERMANENT LIGHTING TO BE INSTALLED BEGINNING THIS STAGE. SEE PERMANENT LIGHTING PLAN.

**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	5
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	5
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	1026



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-TempStg06-light17.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

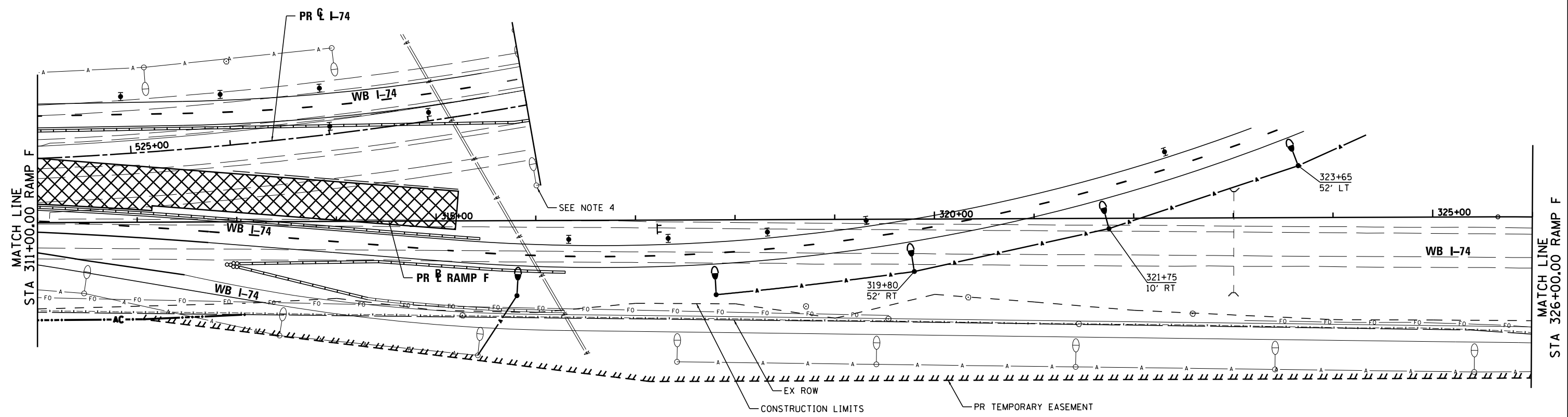
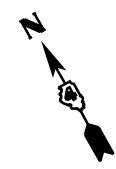


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>TEMPORARY LIGHTING CONSTRUCTION STAGE 6</b>		
SCALE: 1"=50'	SHEET NO. 73 OF 138 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1788	
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				



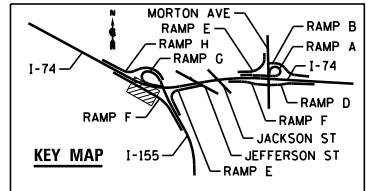


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	5
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	5
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	755



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-TempStg06-light21.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

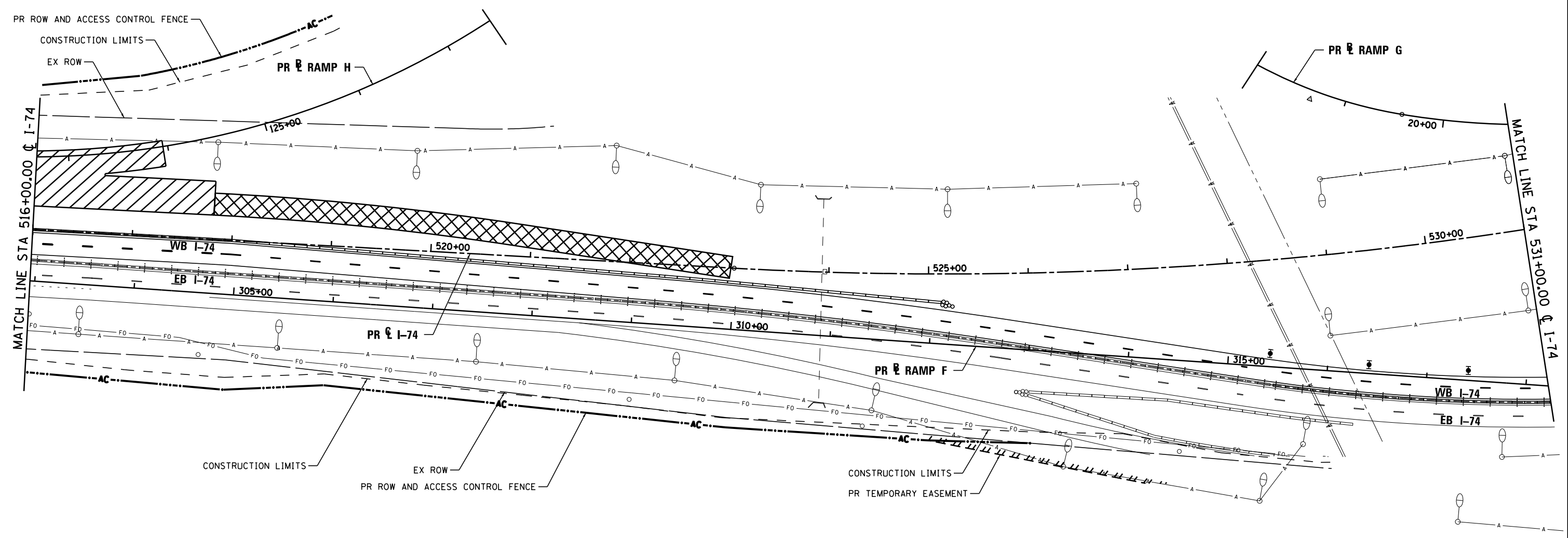


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
CONSTRUCTION STAGE 6**

SCALE: 1"=50' SHEET NO. 74 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1789
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

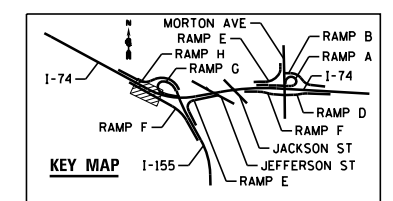


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	0
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	0
AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	0
UNIT DUCT, 600V, 4-1C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE-USE), 11*2" DIA. POLYETHYLENE	FOOT	0



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg07-light05.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

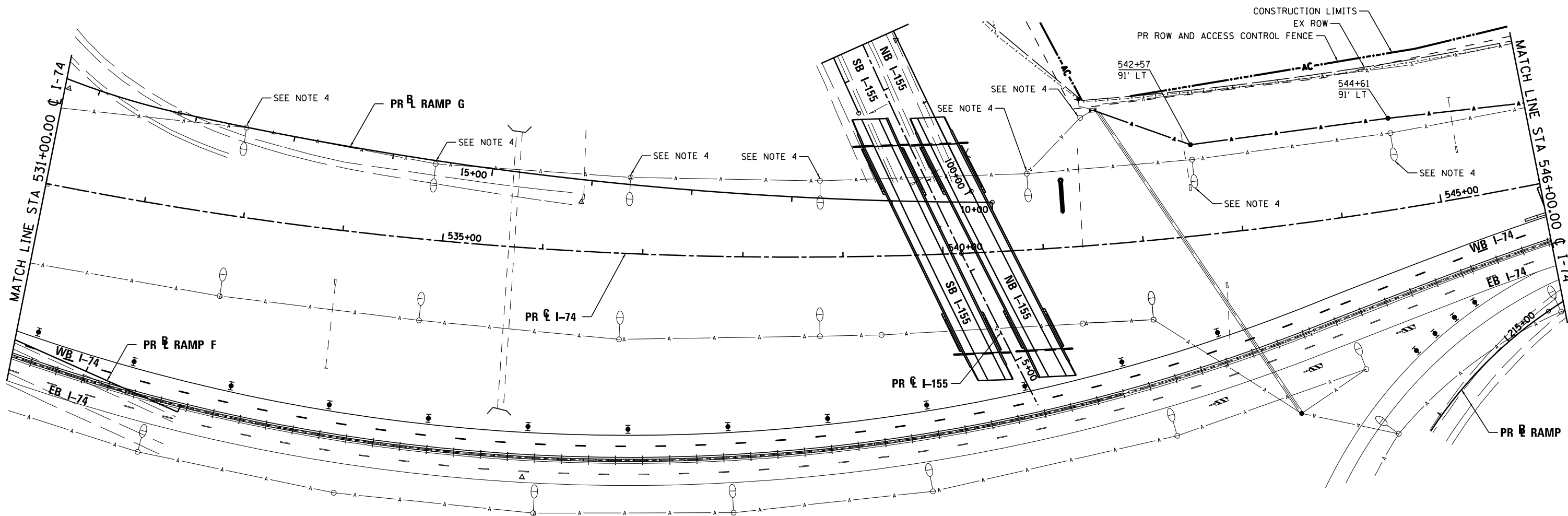


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
CONSTRUCTION STAGE 7**

SCALE: 1"=50' SHEET NO. 75 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HB)BR]	TAZEWELL	ILLINOIS	2433	1790
CONTRACT NO. 68620				

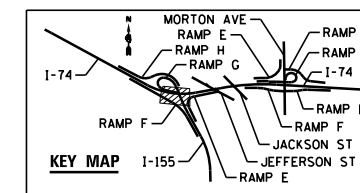


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTING.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	0
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	2
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	582



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg07-light06.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

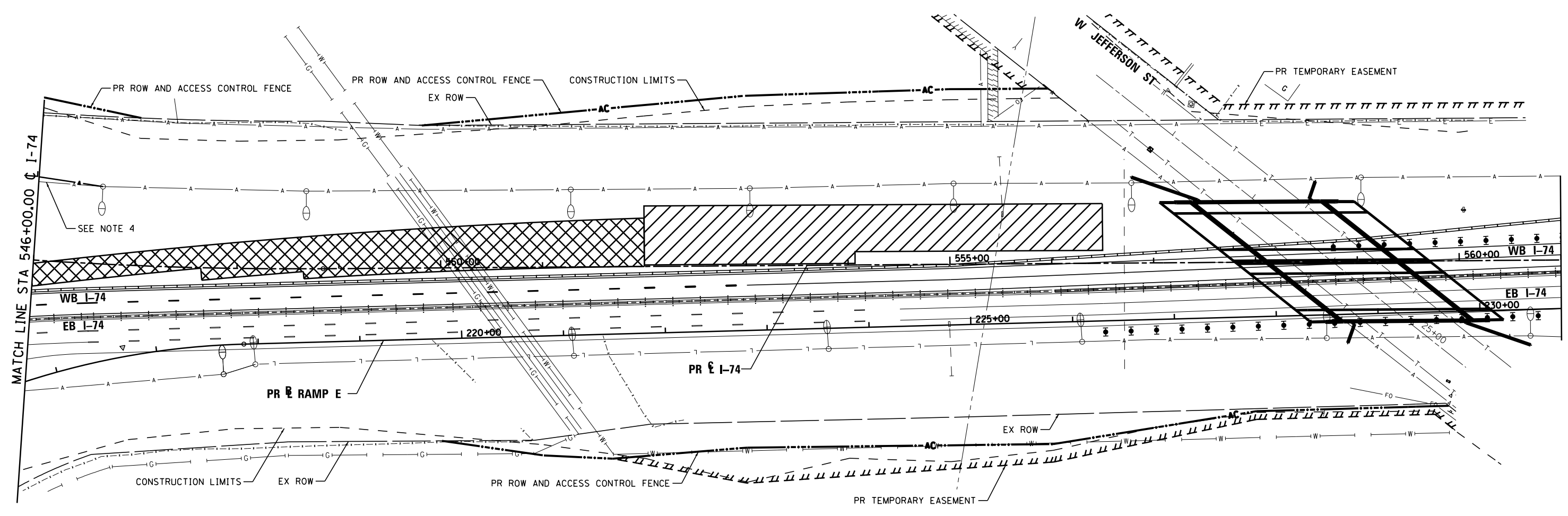


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 7

SCALE: 1"=50' SHEET NO. 76 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1791
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

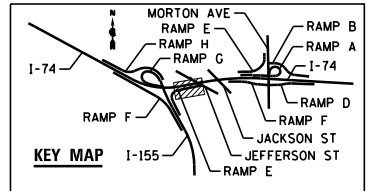


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	0
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	0
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	64



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg07-light07.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

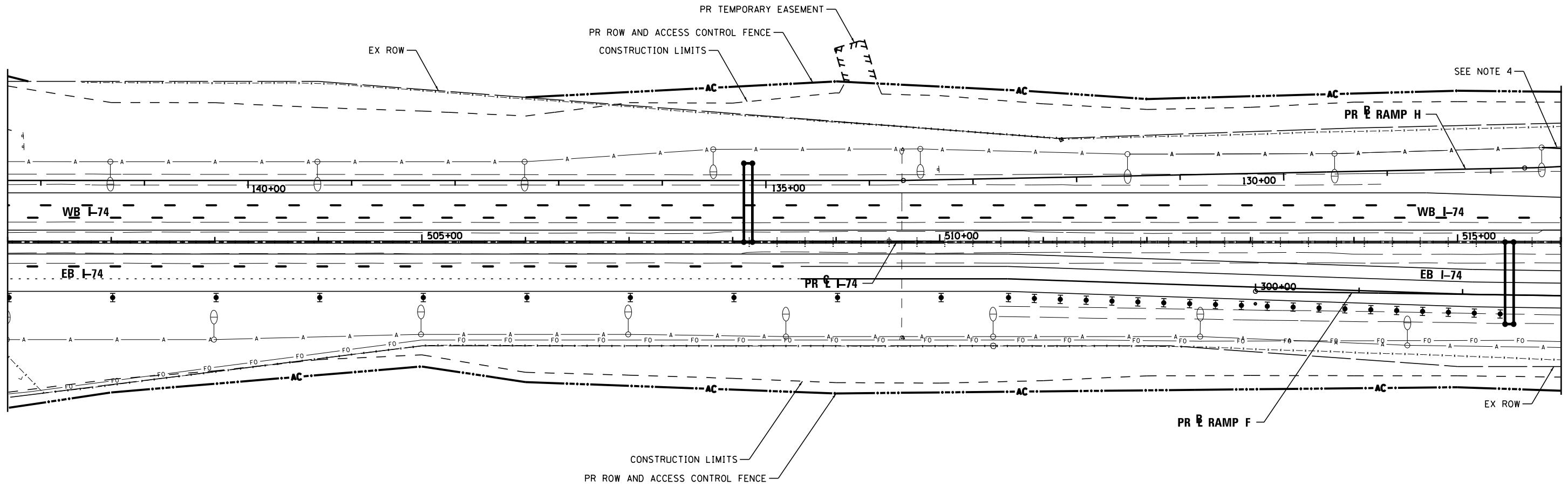


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
CONSTRUCTION STAGE 7**

SCALE: 1"=50' SHEET NO. 77 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1792
CONTRACT NO. 68620				

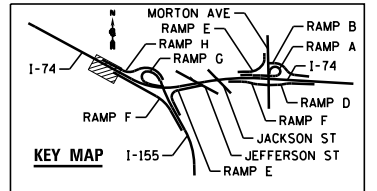


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
AERIAL CABLE, 4-1/2 NO. 2 WITH MESSENGER WIRE	FOOT	19



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-74-TempStg08-light04.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

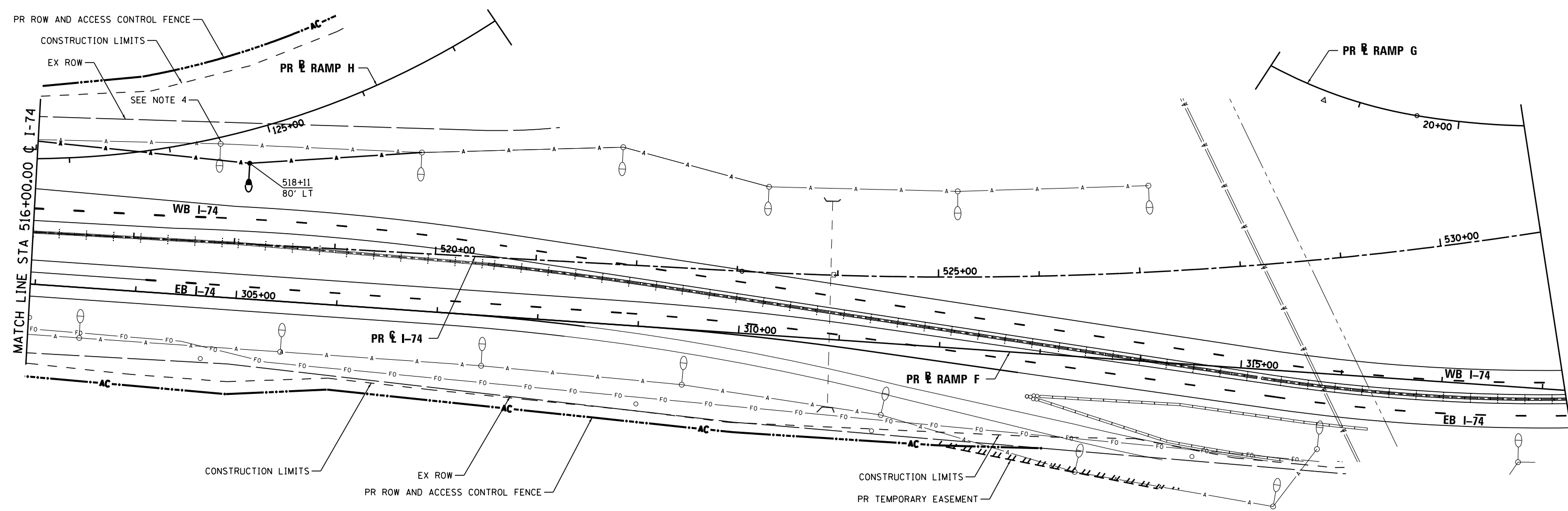


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 8

SCALE: 1"=50' SHEET NO. 78 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1793
CONTRACT NO. 68620				

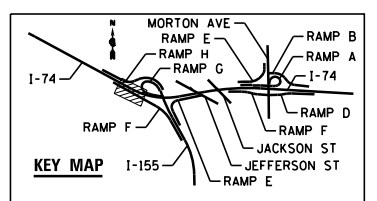


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	1
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	1
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	383



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg08-light05.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

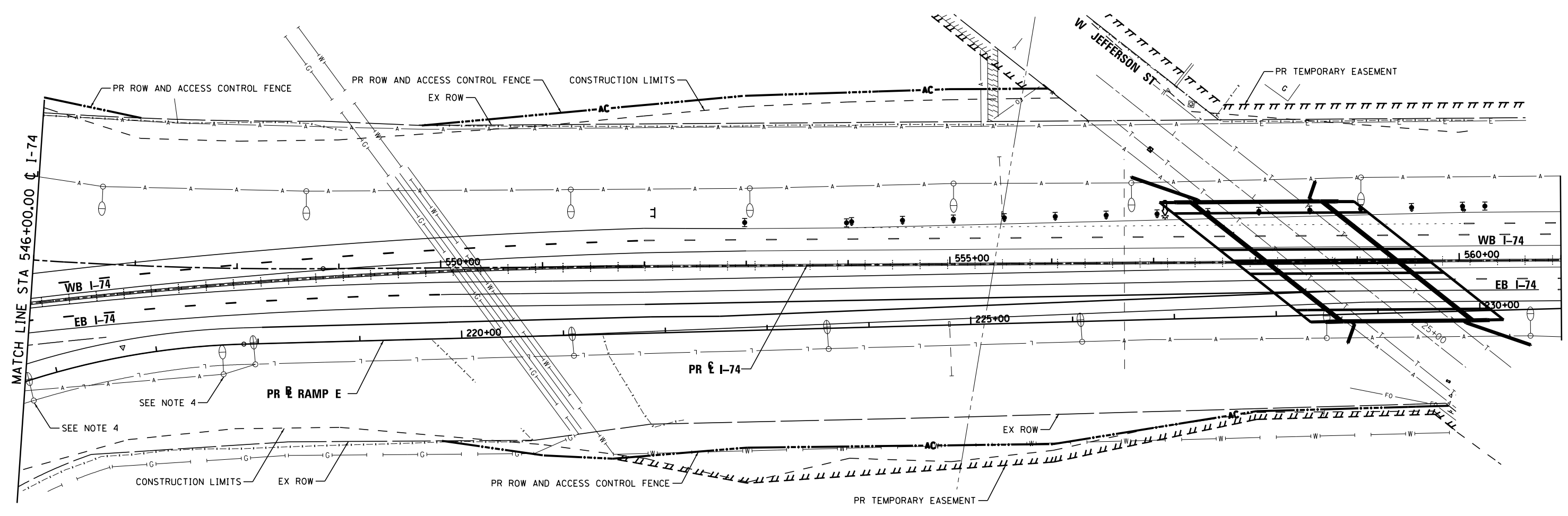


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
CONSTRUCTION STAGE 8**

SCALE: 1"=50' SHEET NO. 79 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR		TAZEWELL	2433	1794
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

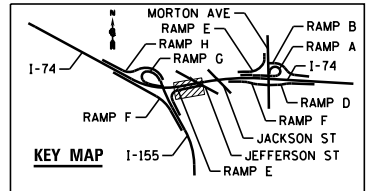


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	0
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	0
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	0



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg08-light07.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

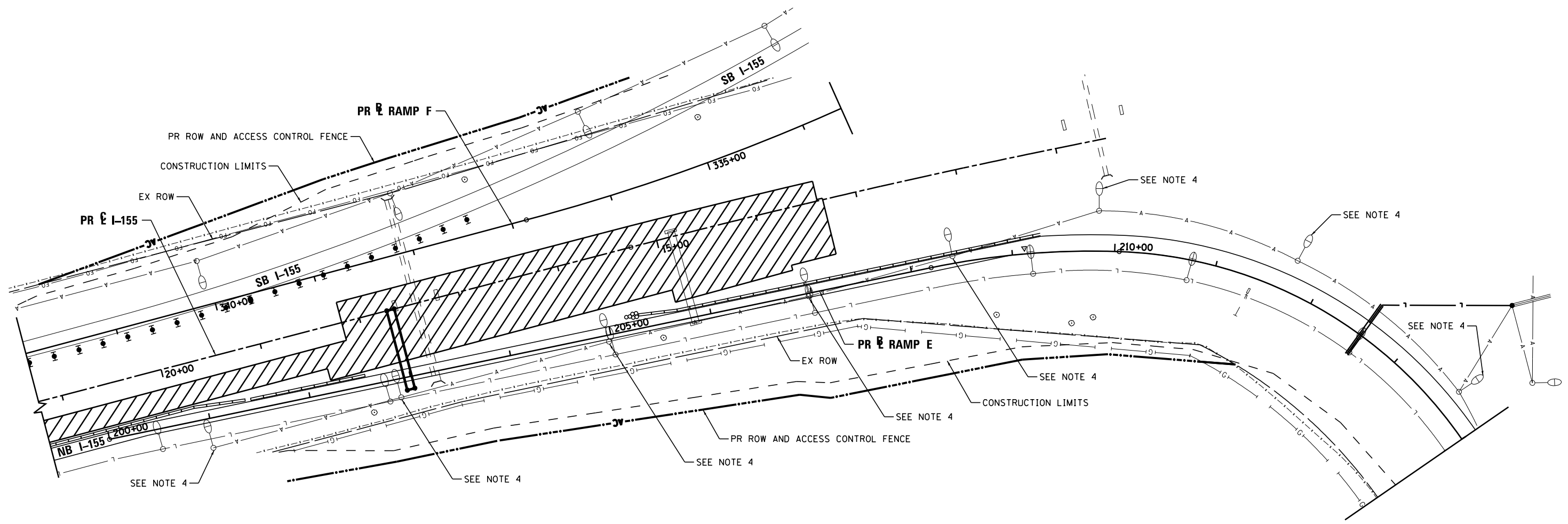


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 8

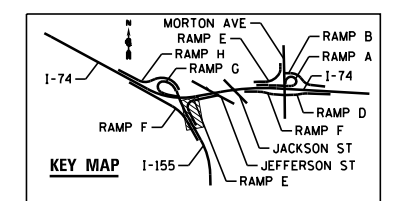
SCALE: 1"=50' SHEET NO. 80 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR		TAZEWELL	2433	1795
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-TempStg08-light17.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



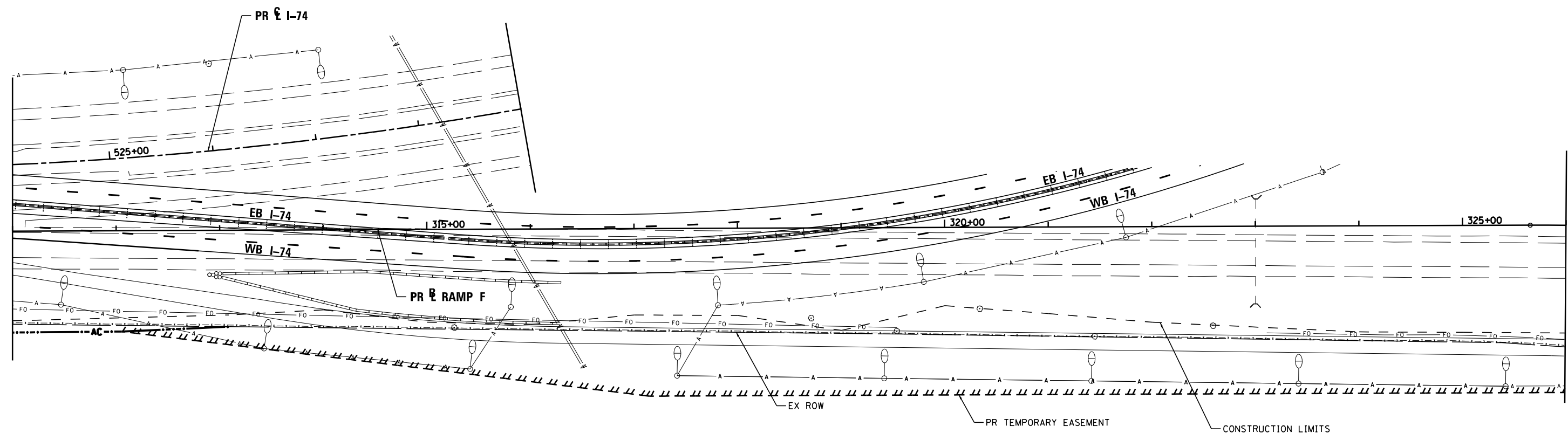
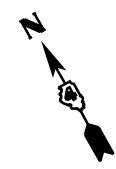
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
CONSTRUCTION STAGE 8**

SCALE: 1"=50'    SHEET NO. 81 OF 138 SHEETS    STA.    TO STA.

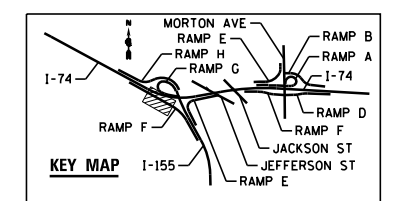
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	ILLINOIS	2433	1796
			CONTRACT NO. 68620	





**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.



FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-t-1-155-TempStg08-light21.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -

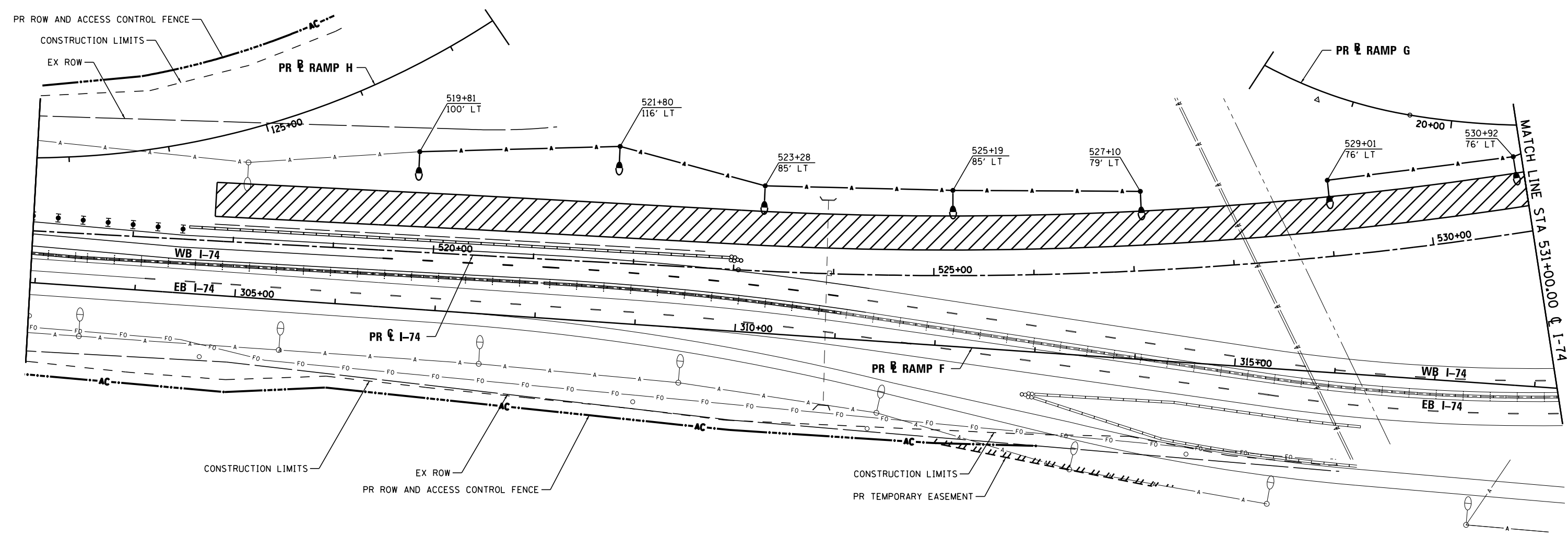


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
CONSTRUCTION STAGE 8**

SCALE: 1"=50'    SHEET NO. 82 OF 138 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BRJ		TAZEWELL	2433	1797
<b>CONTRACT NO. 68620</b>				
ILLINOIS FED. AID PROJECT				

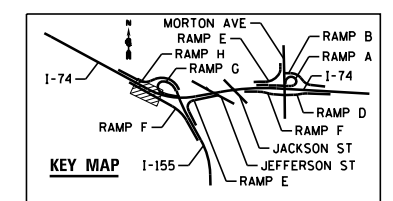


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	7
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	7
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	921



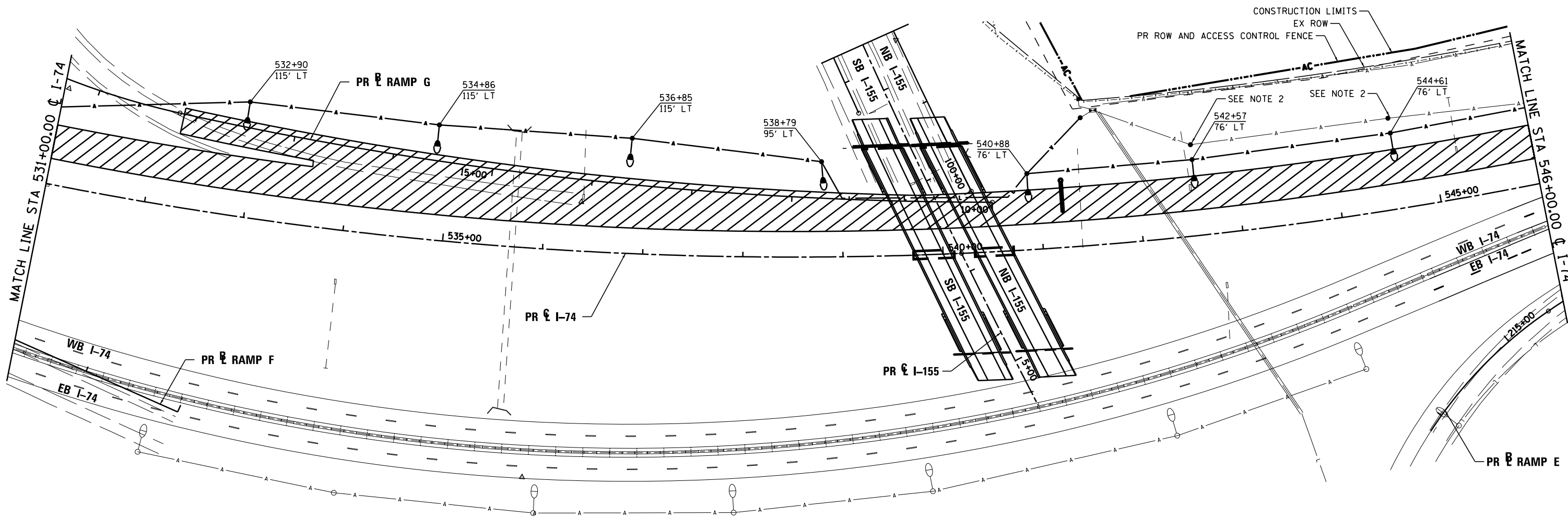
FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-74-TempStg09-light05.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 9  
SCALE: 1"=50' SHEET NO. 83 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-[14R(14HB-4,14,14HVB)BR]		TAZEWELL	2433	1798
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				

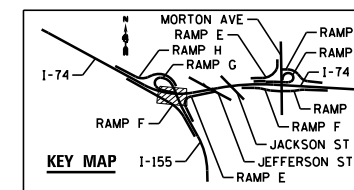


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO THE REMOVAL OF EXISTING LIGHTS.
3. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
4. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.

**TEMPORARY LIGHTING SYSTEM - BILL OF MATERIAL - THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	7
LIGHT POLE, WOOD, 60 FOOT, CLASS 3	EACH	7
AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1371



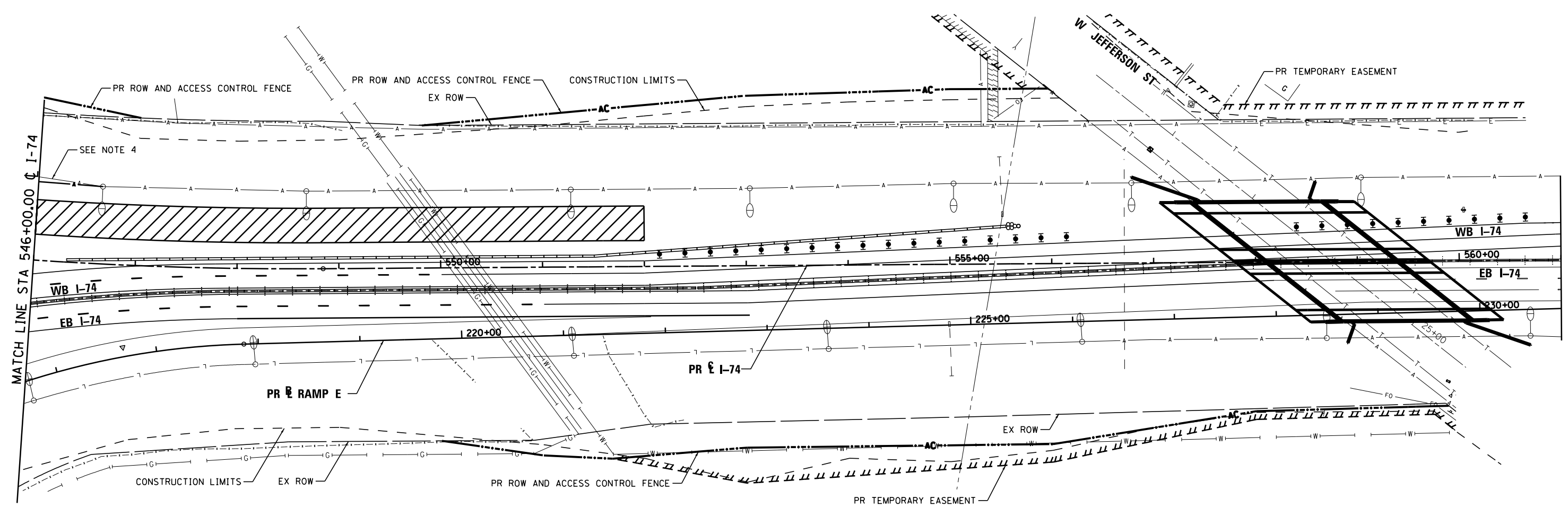
FILE NAME =	DESIGNED - BENESCH	REVISED -
...\\D468620-sh-1-74-TempStg09-light06.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 9  
SCALE: 1"=50' SHEET NO. 84 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR	TAZEWELL	ILLINOIS	2433	1799
CONTRACT NO. 68620				

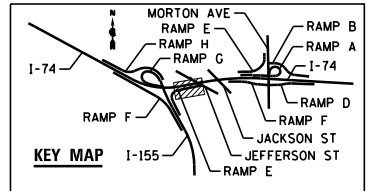


**NOTES:**

1. ITEMS SHOWN ON THE BILL OF MATERIALS ON THIS SHEET ARE SHOWN FOR INFORMATION ONLY. ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION AND REMOVAL OF TEMPORARY LIGHTING ITEMS SHALL BE PAID FOR WITH THE BID ITEM "TEMPORARY LIGHTING SYSTEM".
2. WOOD POLES SHALL BE EMBEDDED 20' BELOW EXISTING GRADE.
3. MULTI-MOUNT LUMINAIRES SHALL BE TILTED 25° OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING LIGHTS.

**TEMPORARY LIGHTING SYSTEM – BILL OF MATERIAL – THIS SHEET**

PAY ITEM	UNIT	QTY
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	0
LIGHT POLE, WOOD, 70 FOOT, CLASS 3	EACH	0
AERIAL CABLE, 2-1/8 NO. 2 WITH MESSENGER WIRE	FOOT	64



FILE NAME =	DESIGNED - BENESCH	REVISED -
...D468620-sh1-1-74-TempStg09-light07.dgn	DRAWN - NLH	REVISED -
USER NAME = tblank	CHECKED - GHT	REVISED -
PLOT DATE = 9/5/2012	DATE - JULY 20, 2012	REVISED -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
CONSTRUCTION STAGE 9

SCALE: 1"=50' SHEET NO. 85 OF 138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90-114R(14HB-4,14,14HVB)BR		TAZEWELL	2433	1800
			CONTRACT NO. 68620	