

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	1
		ILLINOIS	CONTRACT NO. 72977	

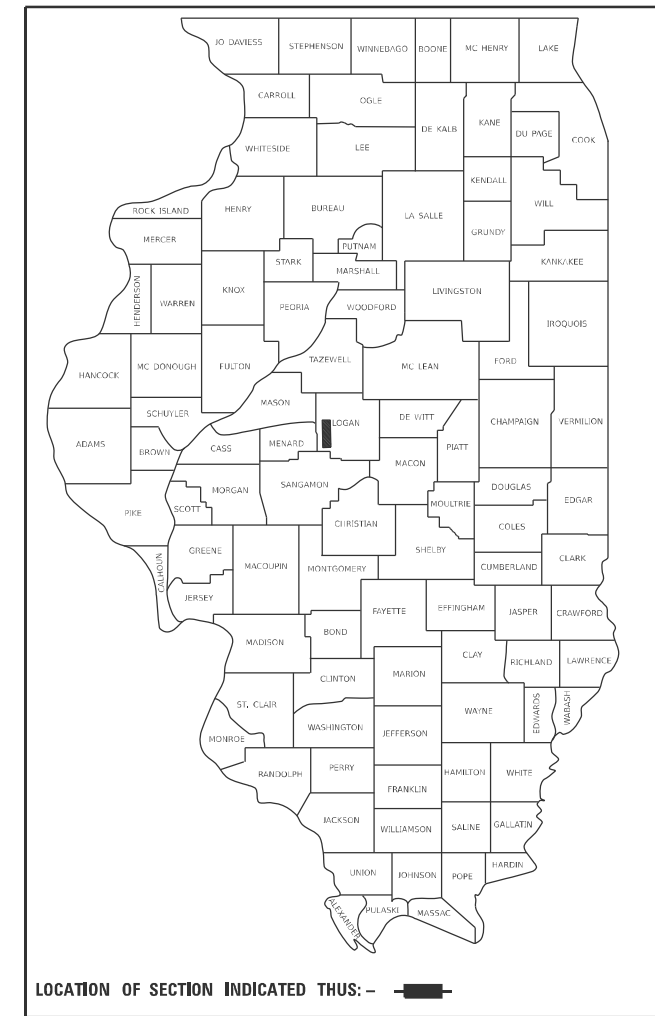
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

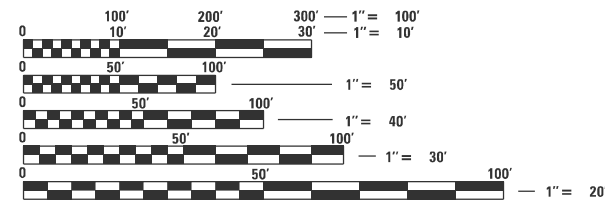
FAI ROUTE 55 (I 55)
SECTION (54-1,2)HL
PROJECT NHPP-M3MF(391)
HIGHWAY LIGHTING
LOGAN COUNTY

C-96-084-25

D96-048-25

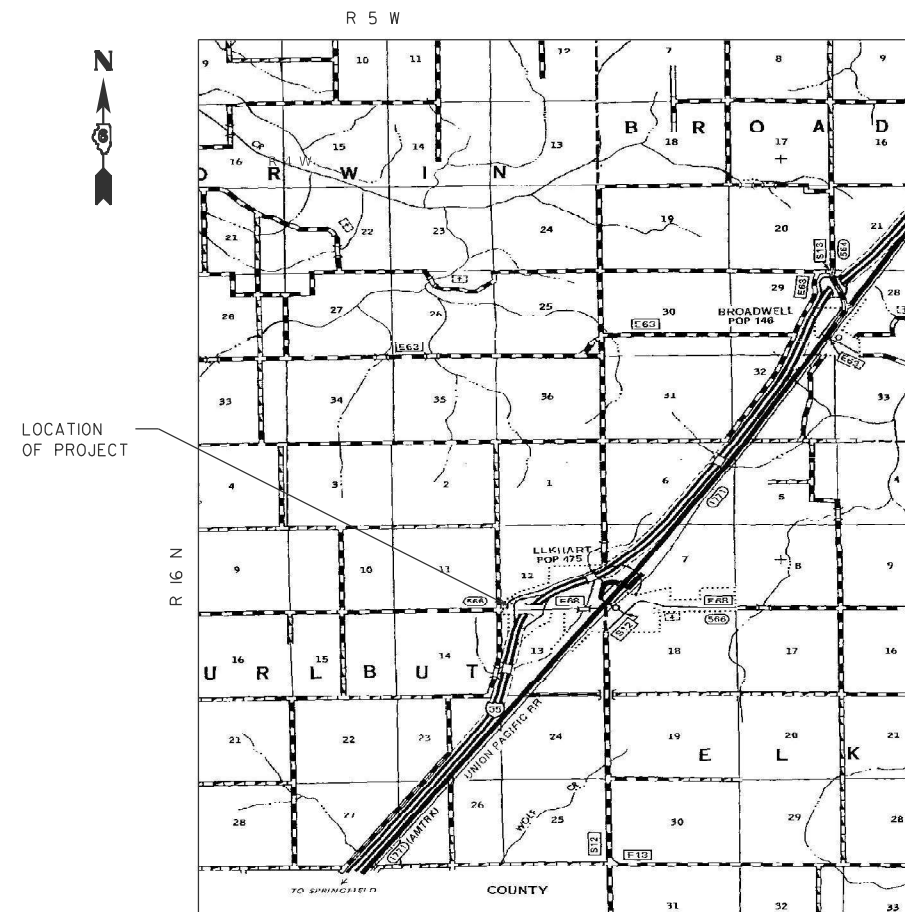


ADT - 16,600 (2023)
MU - 4,700 (2023)
SU - 400 (2023)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



PROJECT ENGINEER: MIKE HAMBY (217)524-7765
PROJECT MANAGER TIM SHARP (217)524-9160

CONTRACT NO. 72977

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION











SUBMITTED July 10 2025
Lora Ramsey REGIONAL ENGINEER

August 15 2025
Seal Etk ENGINEER OF DESIGN AND ENVIRONMENT

August 15 2025
Grady DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

LEGEND

-  EXISTING ELECTRIC SERVICE TO BE REMOVED.
-  PROPOSED ELECTRIC SERVICE, 120/240V.
-  EXISTING LIGHTING CONTROLLER TO BE REMOVED.
-  PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V, 60A.
-  EXISTING LIGHTING UNIT TO BE REMOVED.
-  EXISTING HIGHMAST LIGHT TOWER TO BE REMOVED.
-  PROPOSED LIGHTING UNIT, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 35 FT M.H., ALUMINUM POLE, 15 FT DAVIT ARM, METAL FOUNDATION, BREAKAWAY COUPLINGS WITH SS SCREEN
-  EXISTING CABLE IN CONDUIT TO BE REMOVED.
-  PROPOSED UNIT DUCT, 600V, 2-IC NO. 6, 1/C NO. 6 GROUND (XLP-TYPE USE), 1" DIA. POLYETHYLENE. (UNLESS STATED OTHERWISE)
-  PROPOSED COILABLE NONMETALLIC CONDUIT 2" DIA. LENGTH AS NOTED

GENERAL NOTES

CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM OVER HEAD UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODES AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS BETWEEN PROPOSED LIGHT POLE LOCATIONS AND UTILITY LINES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE APPLICABLE UNDERGROUND CONDUIT OR UNIT DUCT PAY ITEM.

PROPOSED LIGHT POLES ARE TO BE INSTALLED AT A 15 FEET SETBACK FROM THE EDGE OF ROADWAY OR 5 FEET BEHIND THE GUARDRAIL UNLESS NOTED OTHERWISE ON THE PLANS. NO POLES TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE INCREASED IF NECESSARY, AS DIRECTED BY THE ENGINEER.

UNDERGROUND COILABLE NON-METAL CONDUIT SHALL BE SCHEDULE 80.

UNIT DUCT SHALL BE SCHEDULE 40.

WASHERS USED TO INSTALL LIGHT POLES SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE. THE VOIDS ON THE BOTTOM SIDE OF THE ALUMINUM POLE BASE MUST BE SEALED FROM RODENT ENTRY.

STAINLESS STEEL SCREEN INSTALLED AROUND BREAKAWAY COUPLING OR ANCHOR RODS AND NUTS SHALL BE ACCORDING TO ARTICLE 1070.04(g)(2)c OF THE STANDARD SPECIFICATIONS EXCEPT THE MINIMUM WIRE DIAMETER SHALL BE AWG NO. 16 (1.6mm).

CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR EXISTING OVERHEAD POWERLINES.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

EXAMINED July 10, 20 25
Lora Ramsey-Catt
ENGINEER OF OPERATIONS

EXAMINED July 10, 20 25
Lora Ramsey-Catt
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED July 10, 20 25
MM
ENGINEER OF PROGRAM DEVELOPMENT

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, INDEX OF SHEETS, LEGEND, AND SUMMARY OF QUANTITIES
- 3 SUMMARY OF QUANTITIES
- 4-9 LIGHTING REMOVAL PLAN
- 10-15 PROPOSED LIGHTING PLAN
- 16 WIRING DIAGRAM AND LUMINAIRE PERFORMANCE TABLE

HIGHWAY STANDARDS

- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 821101-03 LUMINAIRE WIRING IN POLE
- 825011-04 LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
- 830006-05 LIGHT POLE ALUMINUM DAVIT ARM
- 836001-05 LIGHT POLE FOUNDATION
- 838001-01 BREAKAWAY DEVICES
- 701901-10 TRAFFIC CONTROL DEVICES
- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
- 701456-05 PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS

REV - MS

USER NAME = Timothy.Sharp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, GENERAL NOTES, SIGNATURES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN --	REVISED -	REVISED -				55	(54-1,2)HL	LOGAN	16	2	
PLOT SCALE = \$SCALE\$	CHECKED --	REVISED -				CONTRACT NO. 72977					
PLOT DATE = 6/2/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

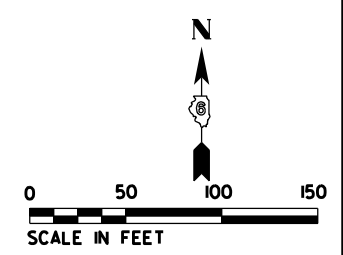
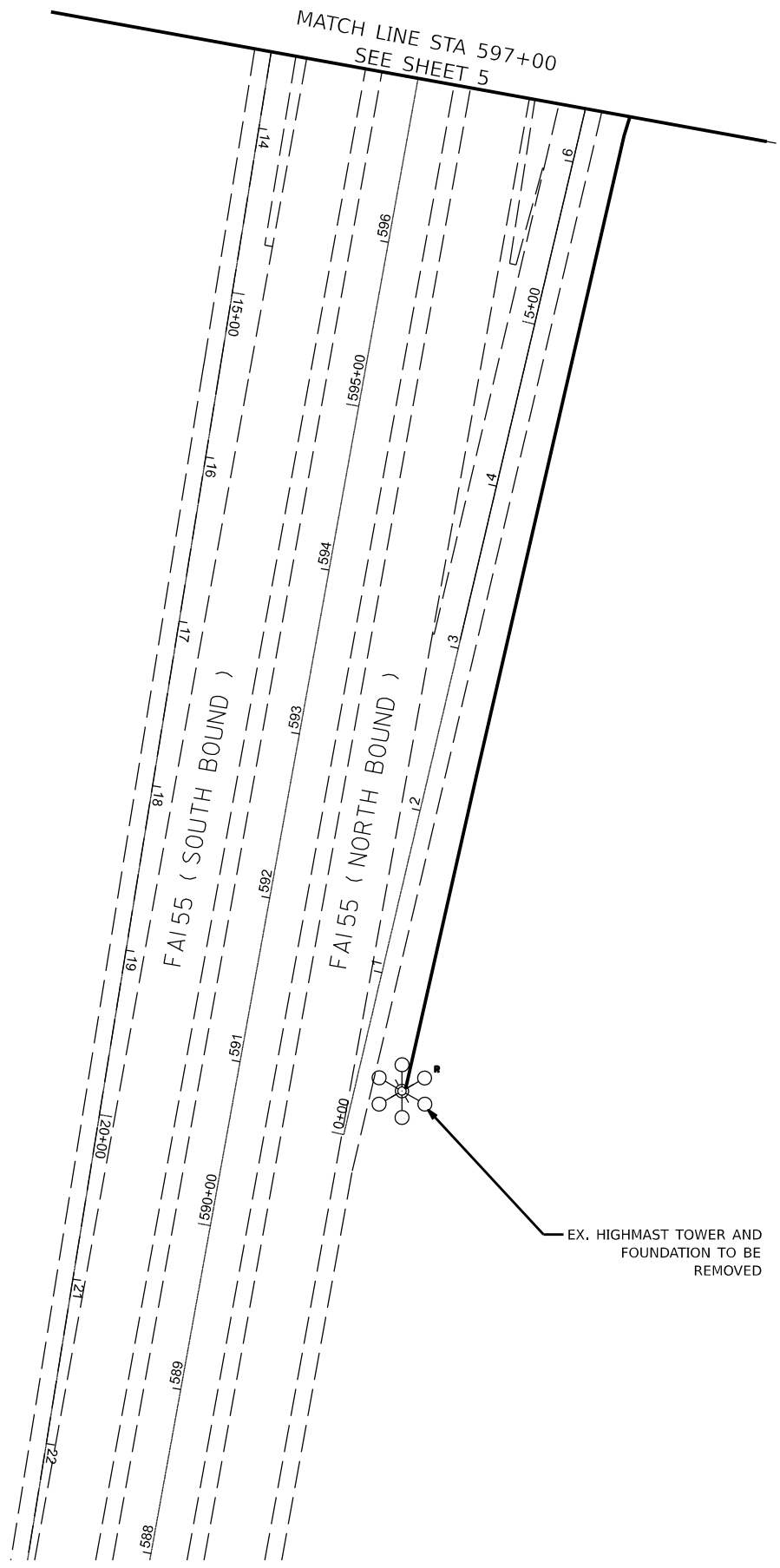
0-02088-6001
 90% FED. 10% STATE
 LOGAN
 LIGHTING
 0021
 RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	612	612
81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	10084	10084
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	21	21
82500330	LIGHTING CONTROLLER, PEDISTAL MOUNTD, 240 VOLT, 60AMP	EACH	1	1
83001600	LIGHT POLE ALUMINUM, 35 FT. M.H., 15 FT DAVIT ARM	EACH	21	21
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	21	21
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	84	84
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2	2
84200605	REMOVAL OF LIGHTING TOWER, NO SALVAGE	EACH	4	4
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	23295	23295
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	4	4

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 USER: benley

REV - MS

USER NAME = Timothy.Sharp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUNATITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	LOGAN	16	3
PLOT DATE = 7/10/2025	CHECKED -	REVISED -		CONTRACT NO. 72977								
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



MODEL NAME: I-55 HL
FILE NAME: 72977

USER NAME = SUSERS	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 55CALES	CHECKED - _____	REVISED - _____
PLOT DATE = SDATES	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LIGHTING REMOVAL PLAN
I-55 AND KENNEDY RD.**

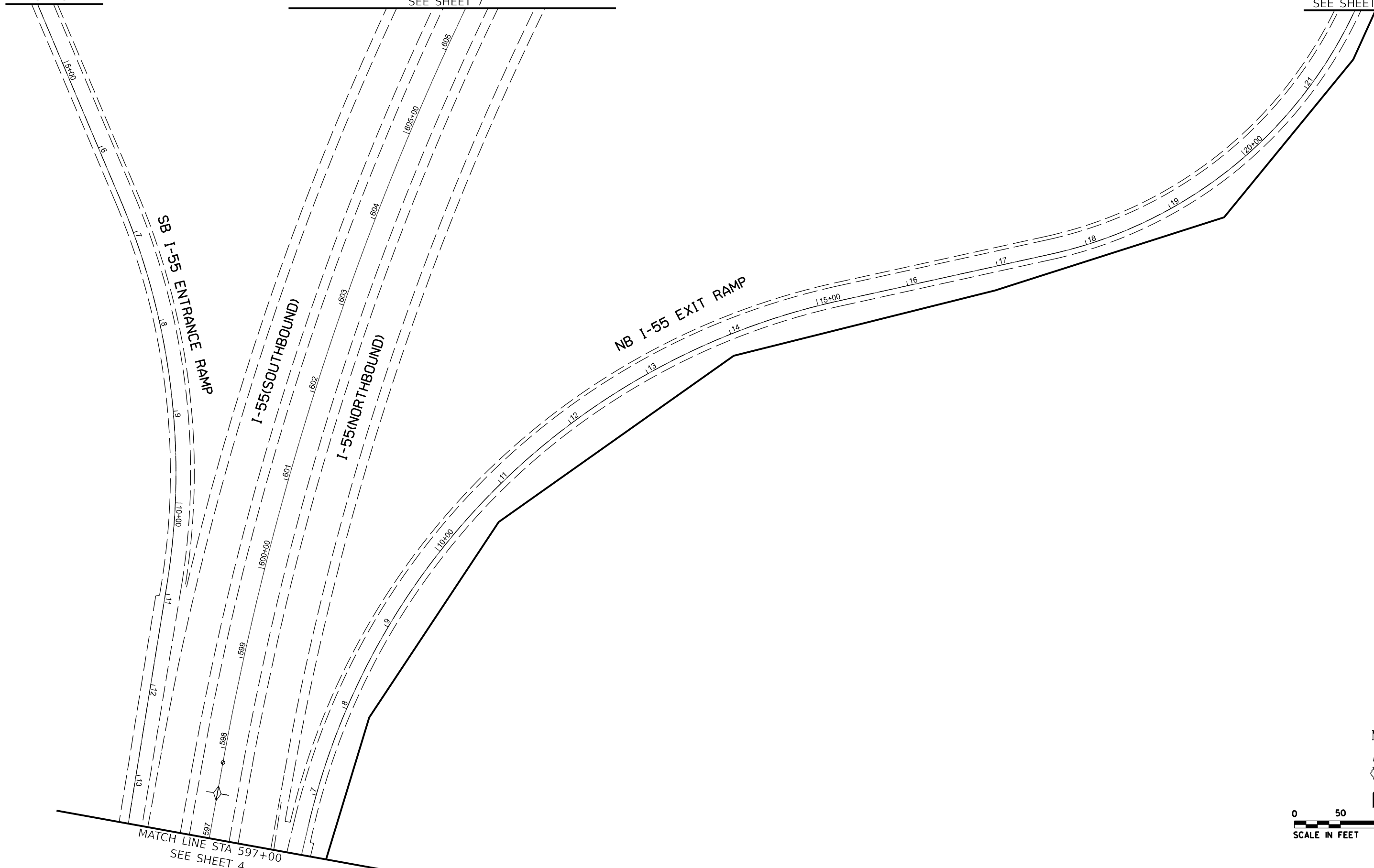
SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	4
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 4+30
SEE SHEET 7

MATCH LINE STA 606+50
SEE SHEET 7

MATCH LINE STA 22+00
SEE SHEET 6



MATCH LINE STA 597+00
SEE SHEET 4

MODEL NAME: I-55
FILE NAME: I-55

USER NAME = SUSERS	DESIGNED - _____	REVISED - _____
PLOT SCALE = 5/8"=1'	DRAWN - _____	REVISED - _____
PLOT DATE = 5/20/15	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LIGHTING REMOVAL PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 55	SECTION (54-1,2)HL	COUNTY LOGAN	TOTAL SHEETS 16	SHEET NO. 5
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 617+50
SEE SHEET 8

MATCH LINE STA 4+50
SEE SHEET 8

MATCH LINE STA 49+00
SEE SHEET 7

I-55(SOUTHBOUND)

I-55(NORTHBOUND)

NB I-55 ENTRANCE RAMP

NB I-55 EXIT RAMP

KENNEDY RD.

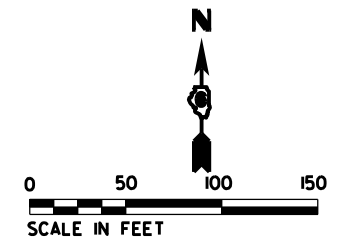
EX. HIGHMAST TOWER AND
FOUNDATION TO BE
REMOVED

EX. LIGHTING CONTROLLER
AND FOUNDATION TO BE
REMOVED

EX. ELECTIRC SERVICE
TO BE REMOVED

EX. LIGHT POLE AND
FOUNDATION TO BE
REMOVED

MATCH LINE STA 22+00
SEE SHEET 5



MODEL NAME: MAMMIES
FILE NAME: 021015

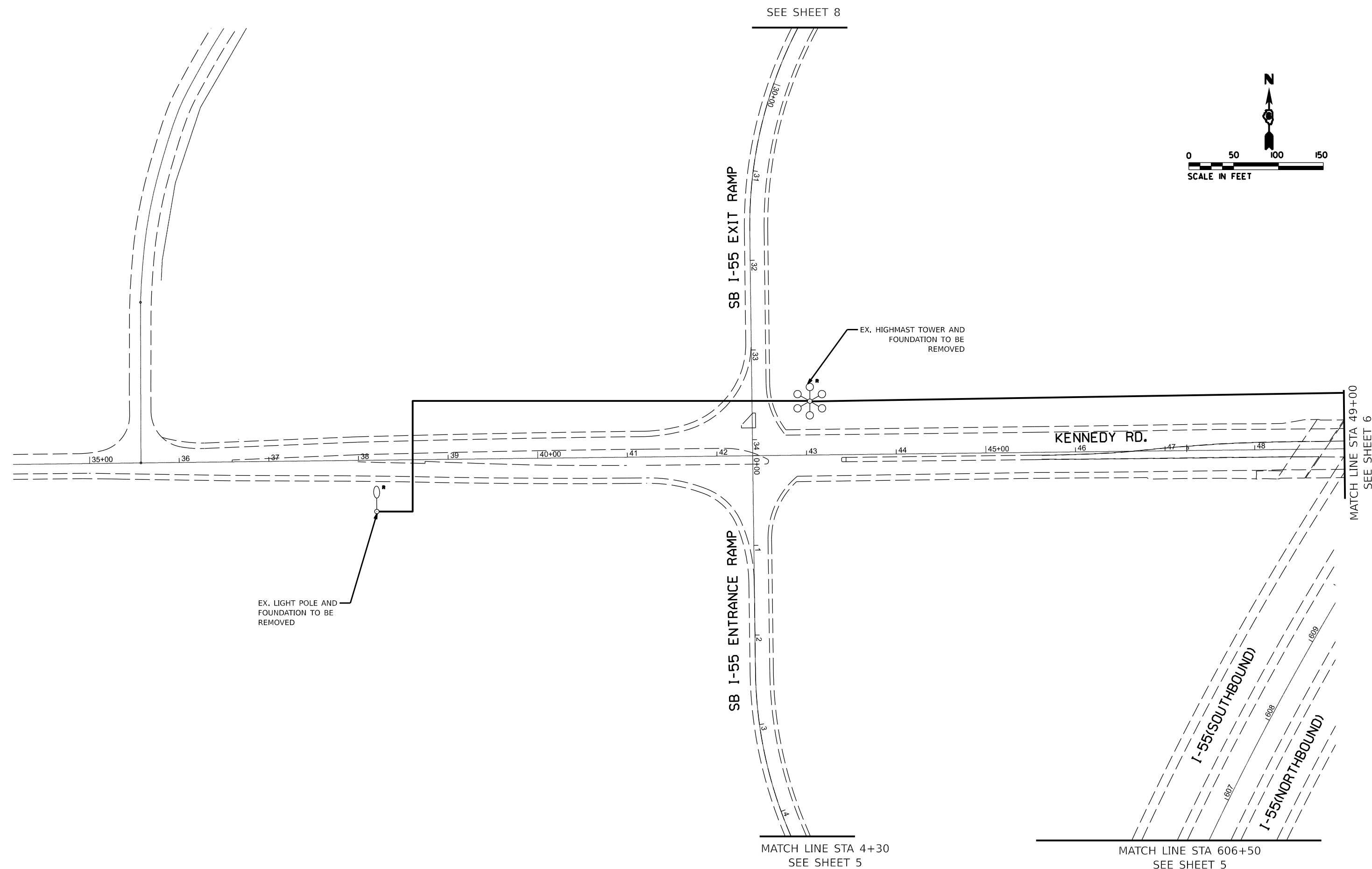
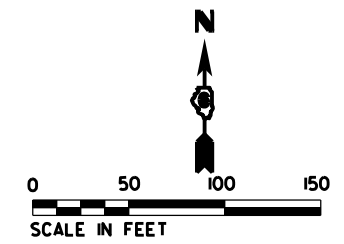
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DRAWN - _____	REVISOR - _____	REVISOR - _____
PLOT SCALE = 5/32"=1'	CHECKED - _____	REVISOR - _____
PLOT DATE = 5/20/15	DATE - _____	REVISOR - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LIGHTING REMOVAL PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 55	SECTION (54-1,2)HL	COUNTY LOGAN	TOTAL SHEETS 16	SHEET NO. 6
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				



MODEL: M001E1M1M1E
FILE NAME: 021E15

USER NAME = SUSERS	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 55CALES	CHECKED - _____	REVISIONS - _____
PLOT DATE = SDATES	DATE - _____	REVISIONS - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LIGHTING REMOVAL PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	7
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				

SEE SHEET 7

MATCH LINE STA 629+60
SEE SHEET 9

SB I-55 EXIT RAMP

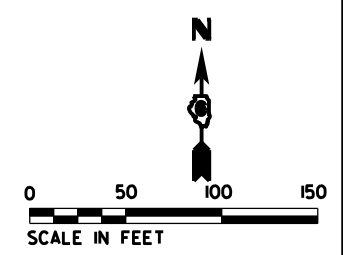
I-55 (SOUTHBOUND)

I-55 (NORTHBOUND)

NB I-55 ENTRANCE RAMP

MATCH LINE STA 617+50
SEE SHEET 6

MATCH LINE STA 4+50
SEE SHEET 6



MODEL NAME: I-55 HL
FILE NAME: 72977

USER NAME = SUSERS	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISOR - _____	REVISOR - _____
PLOT SCALE = 5/32"=1'	CHECKED - _____	REVISOR - _____
PLOT DATE = 5/20/15	DATE - _____	REVISOR - _____

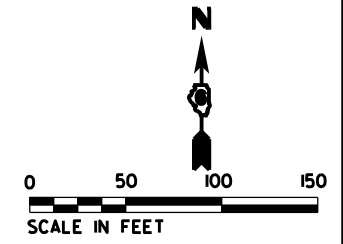
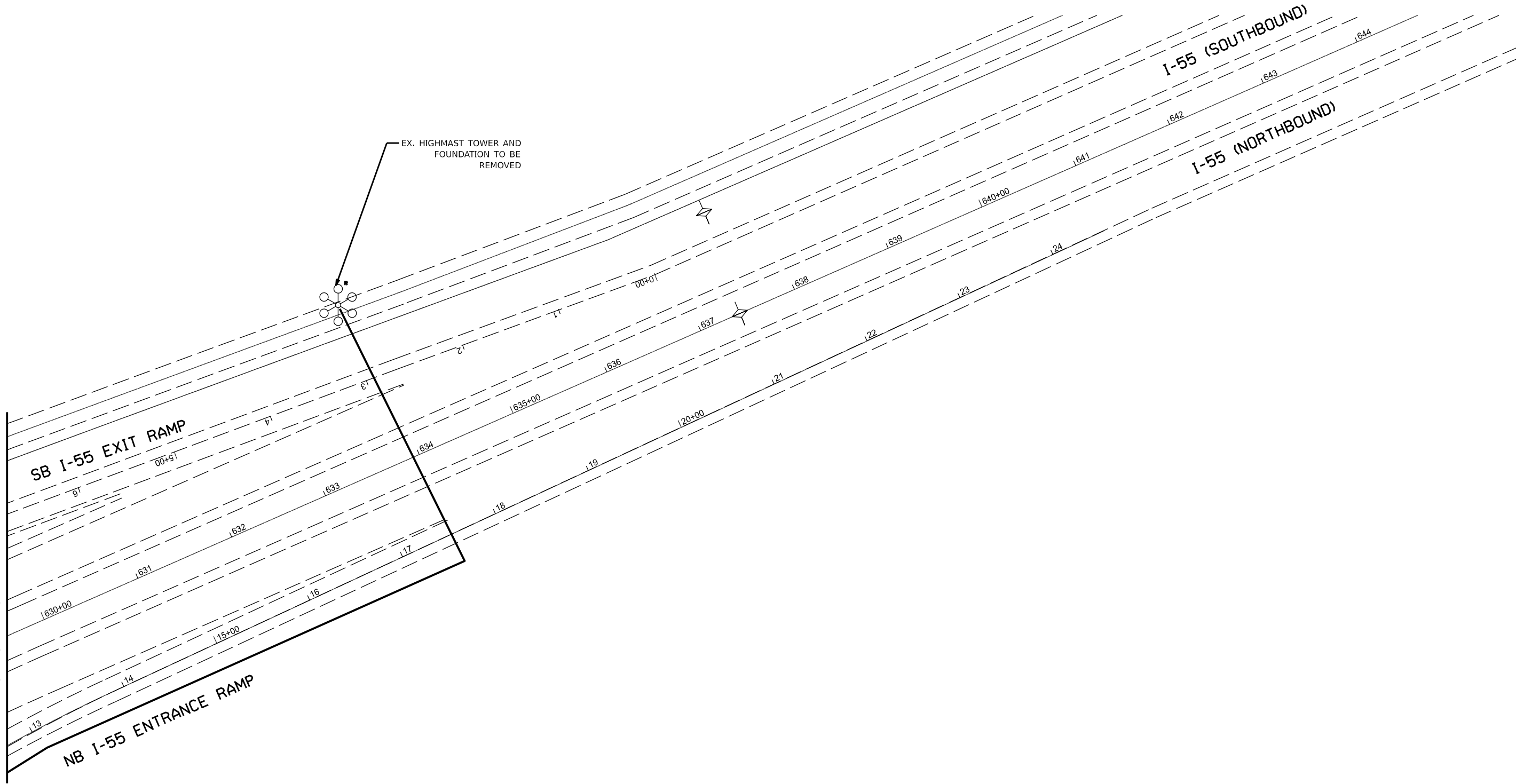
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LIGHTING REMOVAL PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ____ OF ____ SHEETS STA. ____ TO STA. ____

F.A.I. RTE. 55	SECTION (54-1,2)HL	COUNTY LOGAN	TOTAL SHEETS 16	SHEET NO. 8
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 629+60
SEE SHEET 8



MODEL: I:\MODELS\MAMES
FILE NAME: 021515

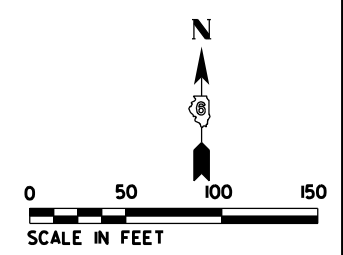
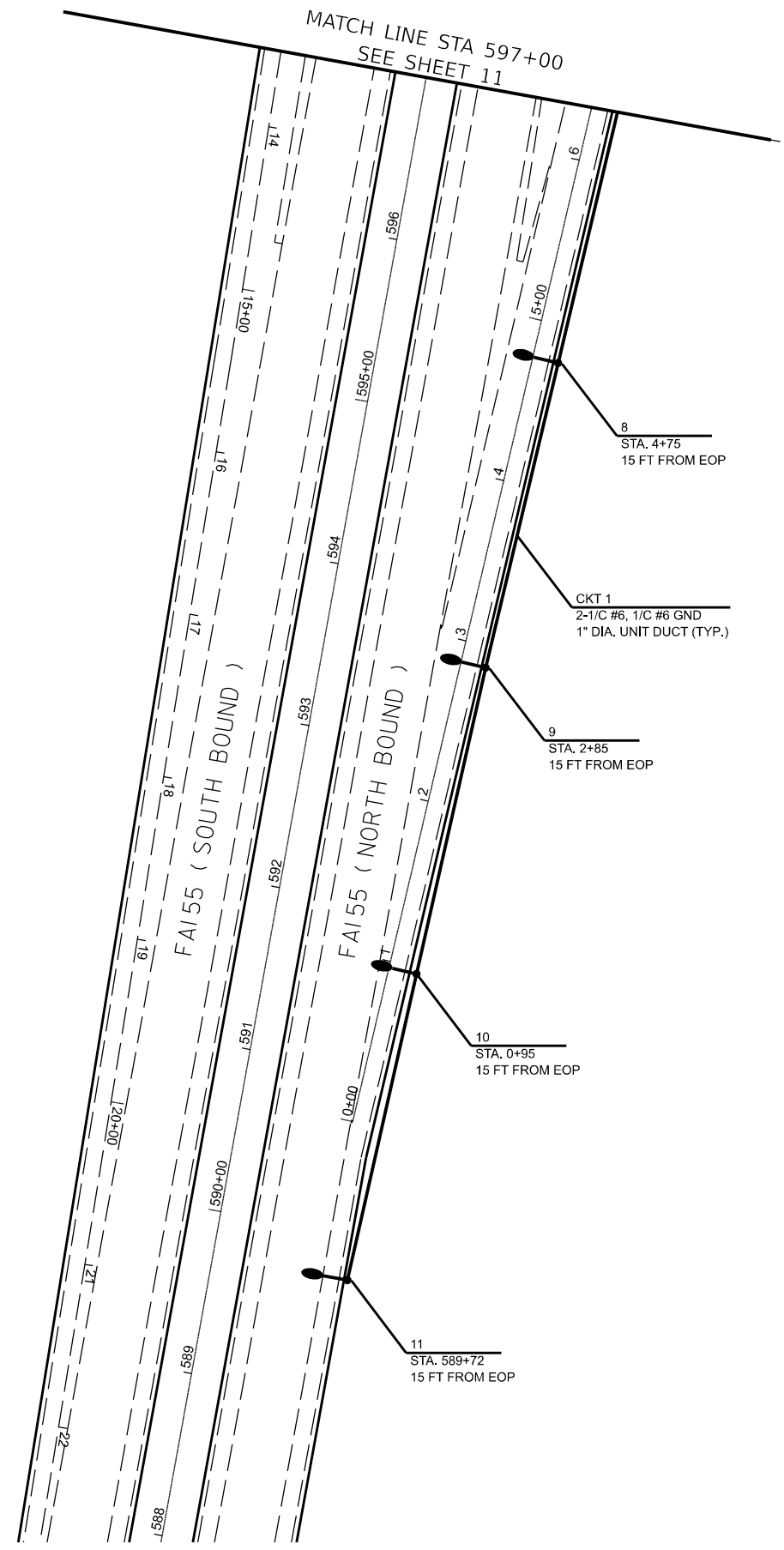
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PLOT DATE = SDATES	DATE - _____	REVISIONS - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LIGHTING REMOVAL PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	9
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				



MODEL NAME: I-55.KENNEDY
FILE NAME: 72977

USER NAME = SUSERS	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 55SCALE\$	CHECKED - _____	REVISIONS - _____
PLOT DATE = SDATES	DATE - _____	REVISIONS - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-55 AND KENNEDY RD.

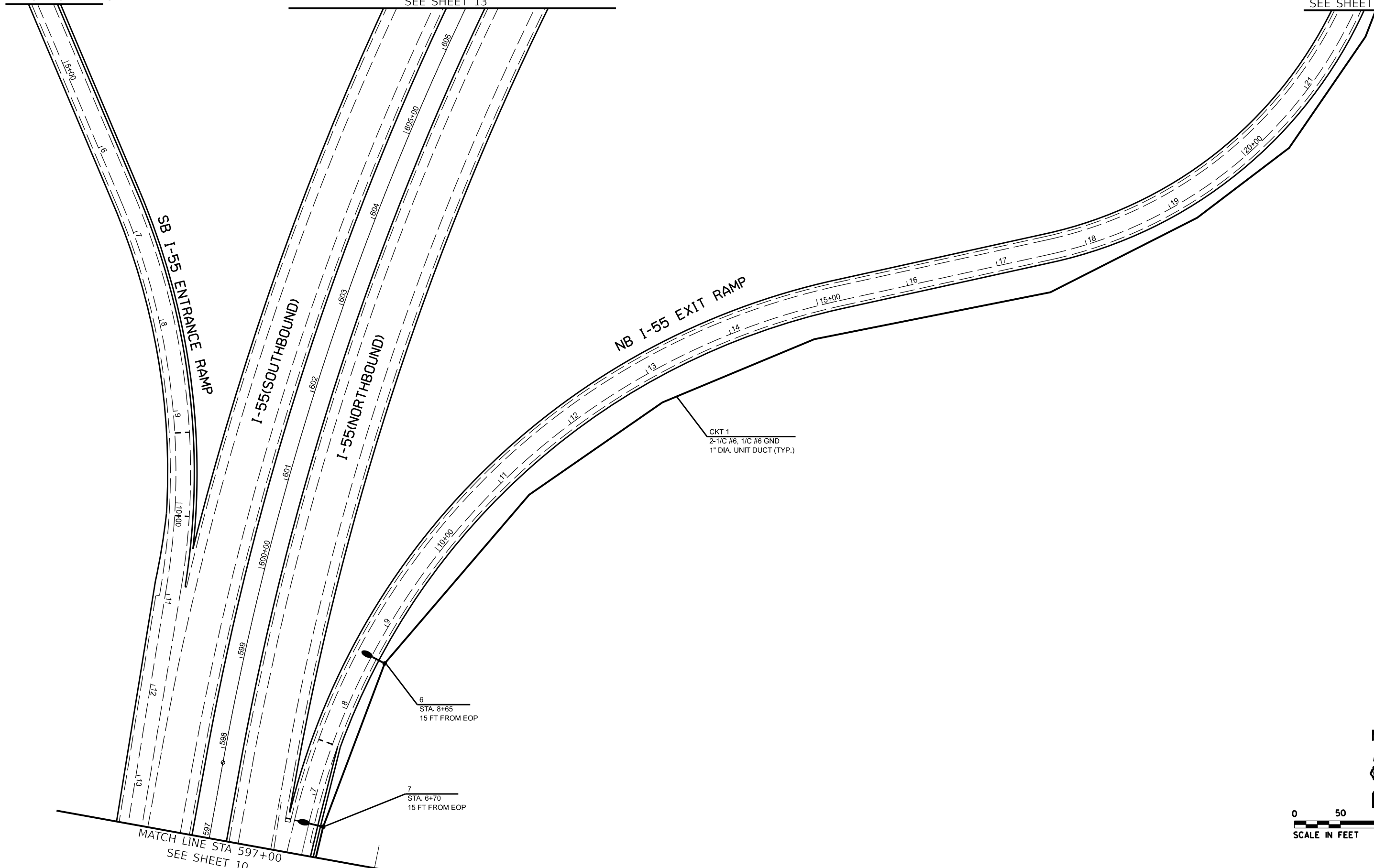
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F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	10
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 4+30
SEE SHEET 13

MATCH LINE STA 606+50
SEE SHEET 13

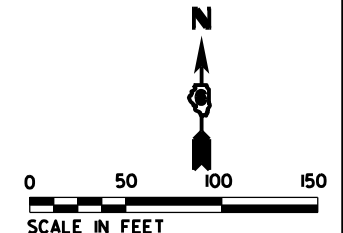
MATCH LINE STA 22+00
SEE SHEET 12



CKT 1
2-1/C #6, 1/C #6 GND
1" DIA. UNIT DUCT (TYP.)

6
STA. 8+65
15 FT FROM EOP

7
STA. 6+70
15 FT FROM EOP



MODEL: I-55/ENRAMP
FILE NAME: 081115

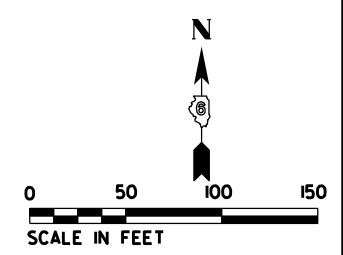
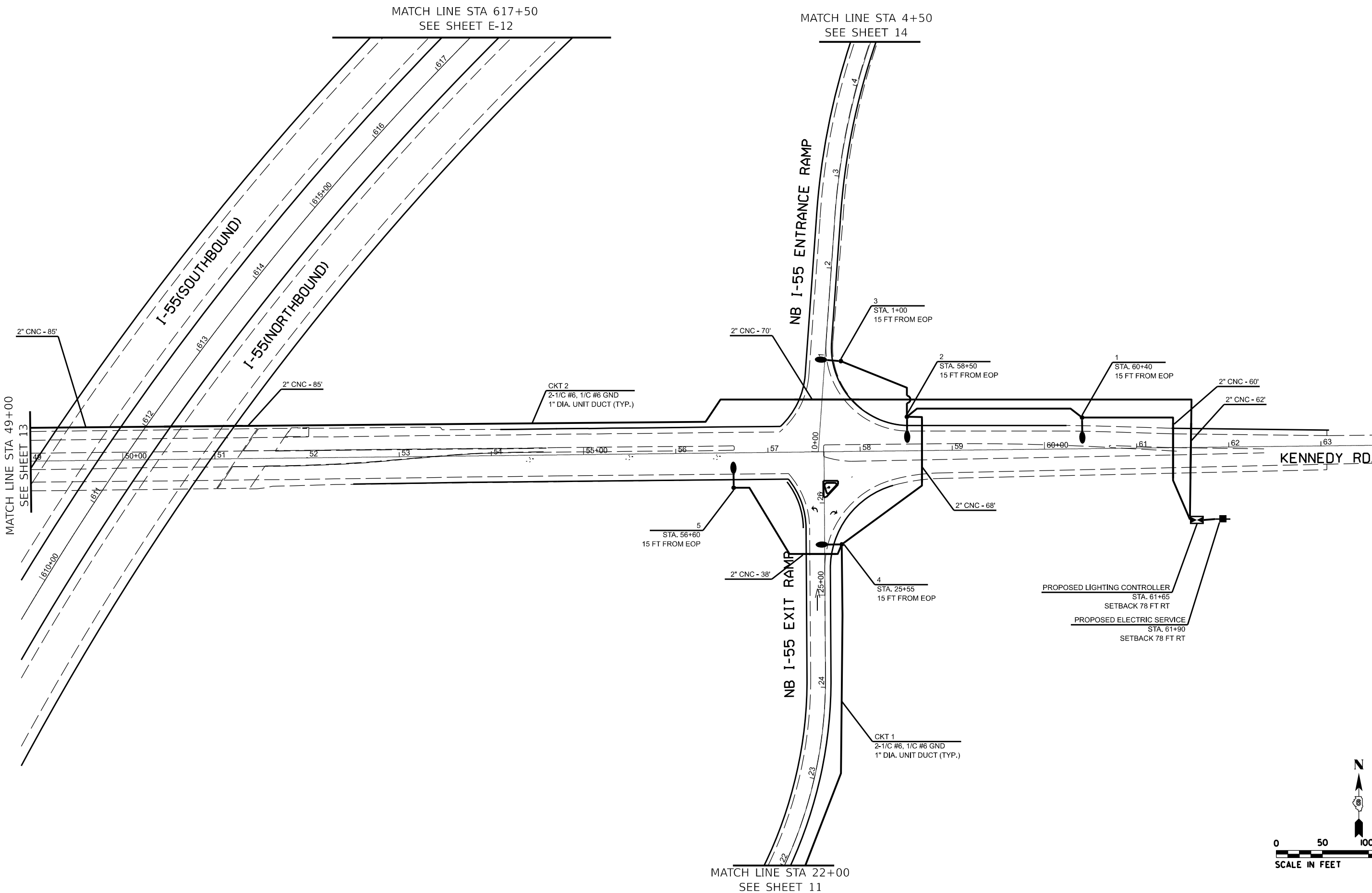
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PLOT SCALE = 5/8"=1'	DRAWN - _____	REVISED - _____
PLOT DATE = 5/20/15	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-55 AND KENNEDY RD.

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	11
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				



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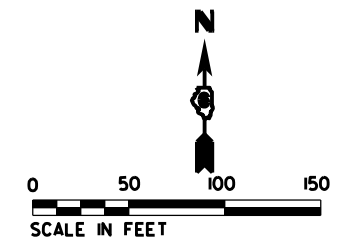
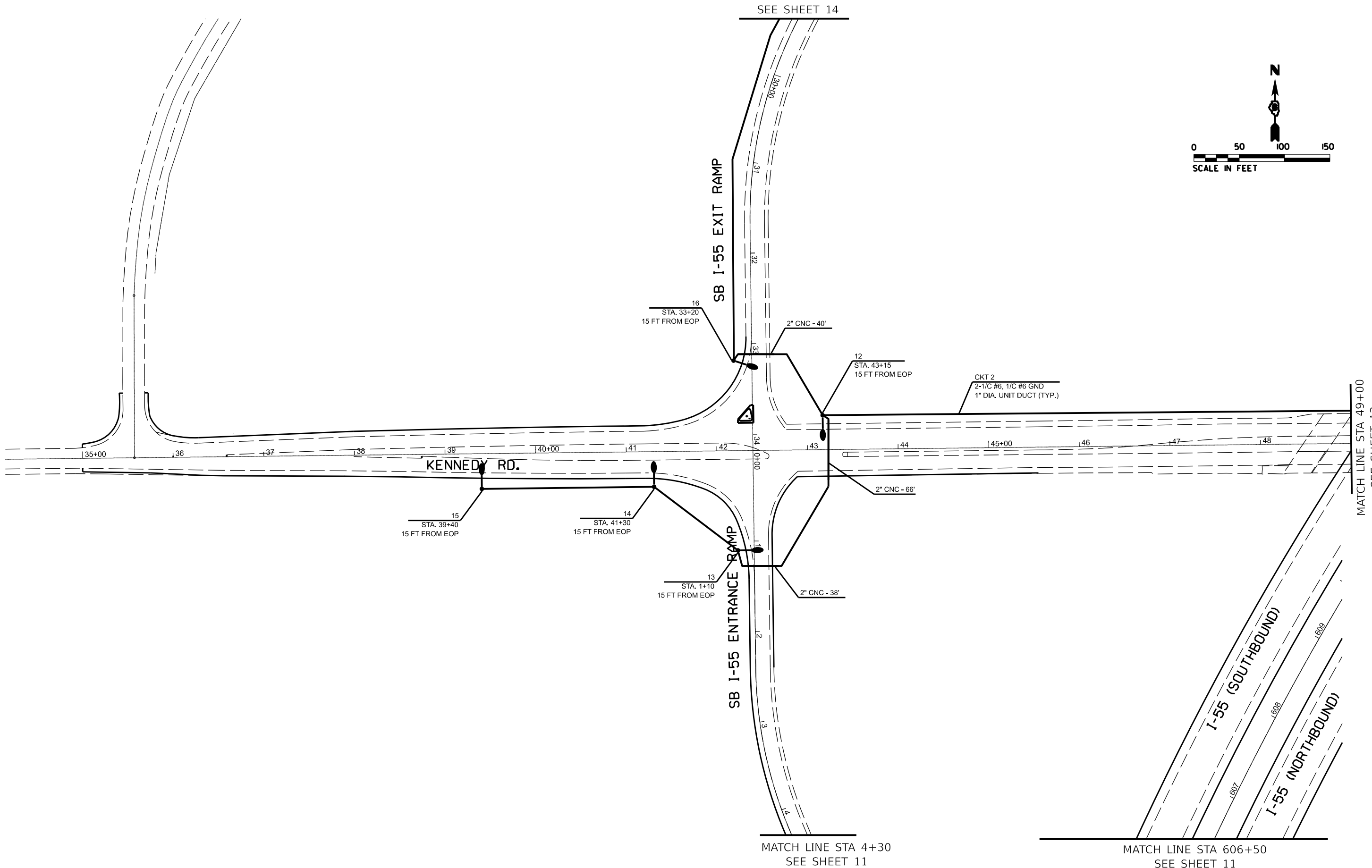
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PLOT SCALE = 5/8"=1'-0"	CHECKED - _____	REVISIONS - _____
PLOT DATE = 5/20/2015	DATE - _____	REVISIONS - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED LIGHTING PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	12
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				



MODEL: M001E1M1M1E
FILE NAME: 021E15

USER NAME = SUSERS	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 5/8"=1'	CHECKED - _____	REVISIONS - _____
PLOT DATE = 5/20/15	DATE - _____	REVISIONS - _____

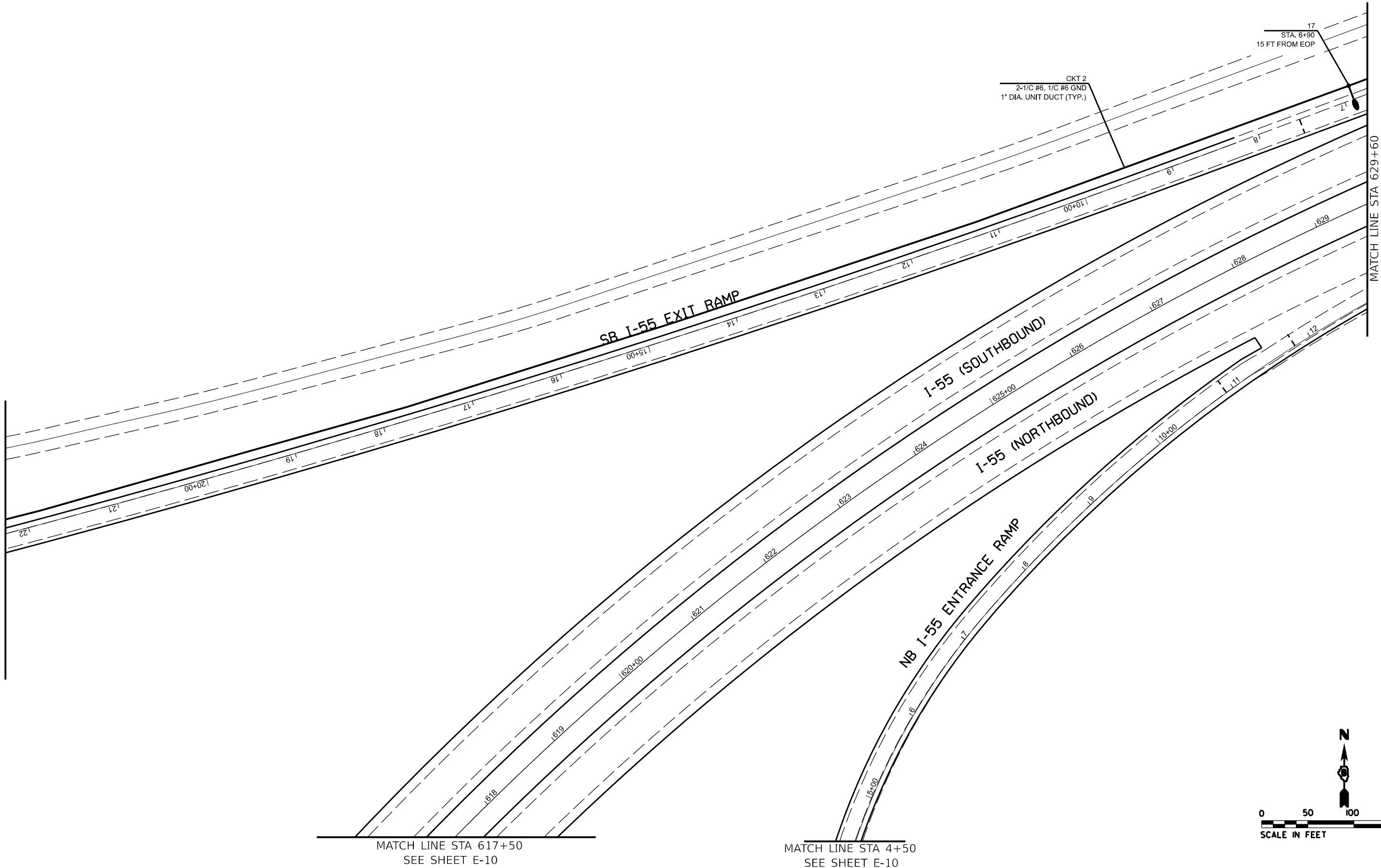
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED LIGHTING PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	13
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				

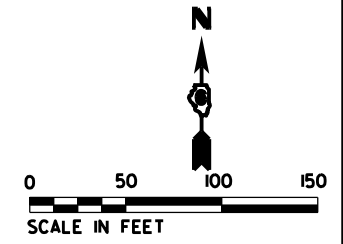
SEE SHEET 13



MATCH LINE STA 629+60
SEE SHEET 15

MATCH LINE STA 617+50
SEE SHEET E-10

MATCH LINE STA 4+50
SEE SHEET E-10



MODEL: IAD02ELMAMT5
FILE NAME: 02ELM5

USER NAME = SUSERS	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISED - _____	
PLOT SCALE = 5SCALES	CHECKED - _____	REVISED - _____
PLOT DATE = SDATES	DATE - _____	REVISED - _____

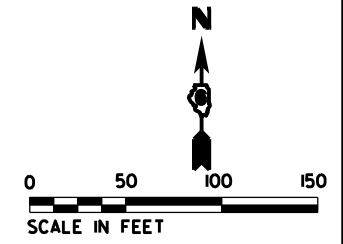
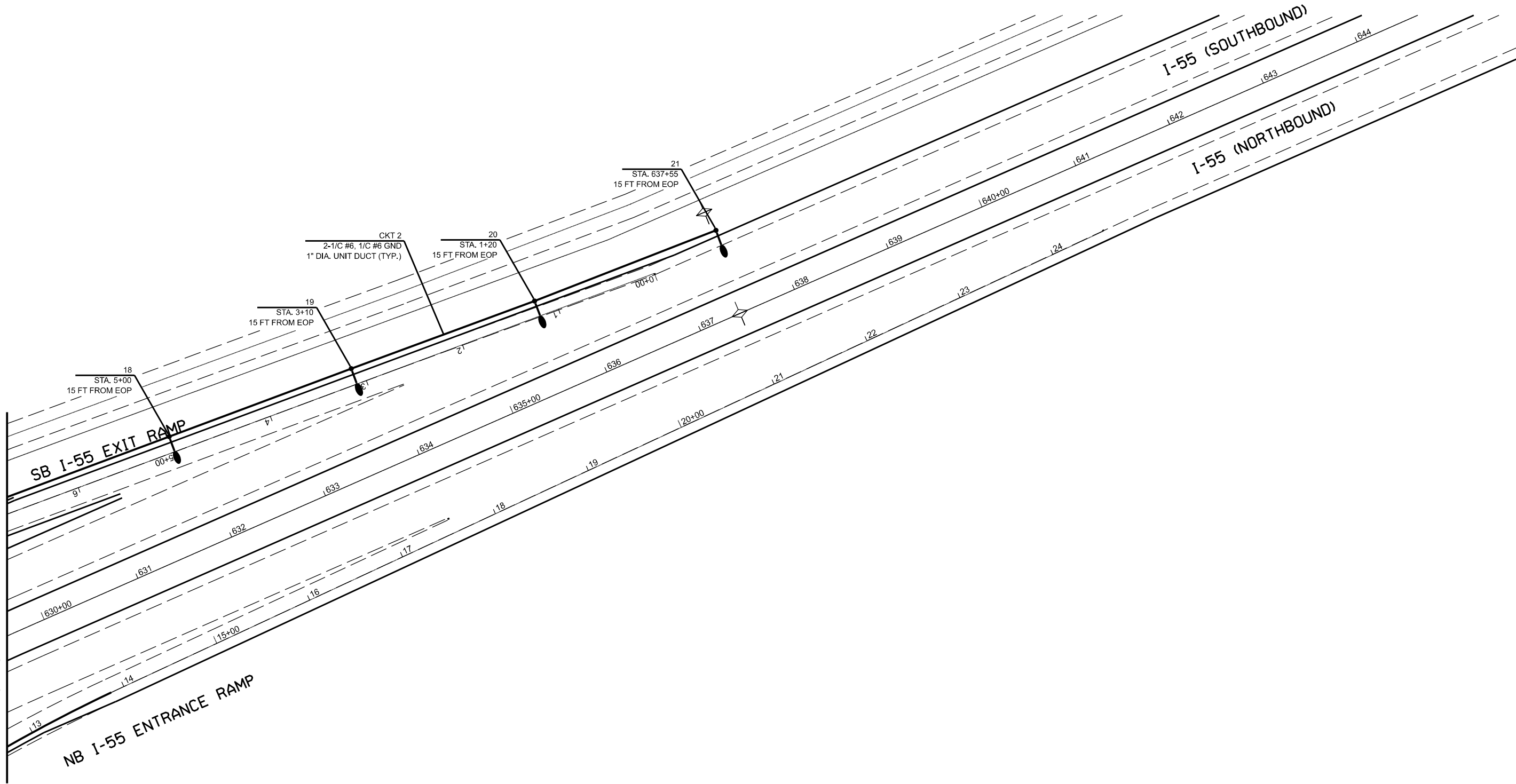
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED LIGHTING PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE. 55	SECTION (54-1,2)HL	COUNTY LOGAN	TOTAL SHEETS 16	SHEET NO. 14
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 629+60
SEE SHEET E-14



MODEL NAME: I-55
FILE NAME: I-55

USER NAME = SUSERS	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 5SCALES	CHECKED - _____	REVISIONS - _____
PLOT DATE = SDATES	DATE - _____	REVISIONS - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED LIGHTING PLAN
I-55 AND KENNEDY RD.**

SCALE: 1"=50' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	15
CONTRACT NO. 72977				
ILLINOIS FED. AID PROJECT				

Project

Date	Contract Number	Section Number	County
02/18/25			Logan
Marked Route Number		Municipality	
I-55			

Roadway

Lane Width (see note 4)	Number and Direction of lanes	Median Width	Surface Classification	Q-Zero Value
16	1 - In One Direction	N/A	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back (see note 1)	Number of Luminaires
35	15	15	1

Luminaire

Description	Transverse Distribution	Lateral Distribution	
Roadway Luminaire Output Designation G	Type III	Medium	
Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
Refer to Notes 6 and 7	U=0	N/A	0-10V

Layout

Spacing	Configuration
190	Single Sided

Performance (see notes 5 and 6)

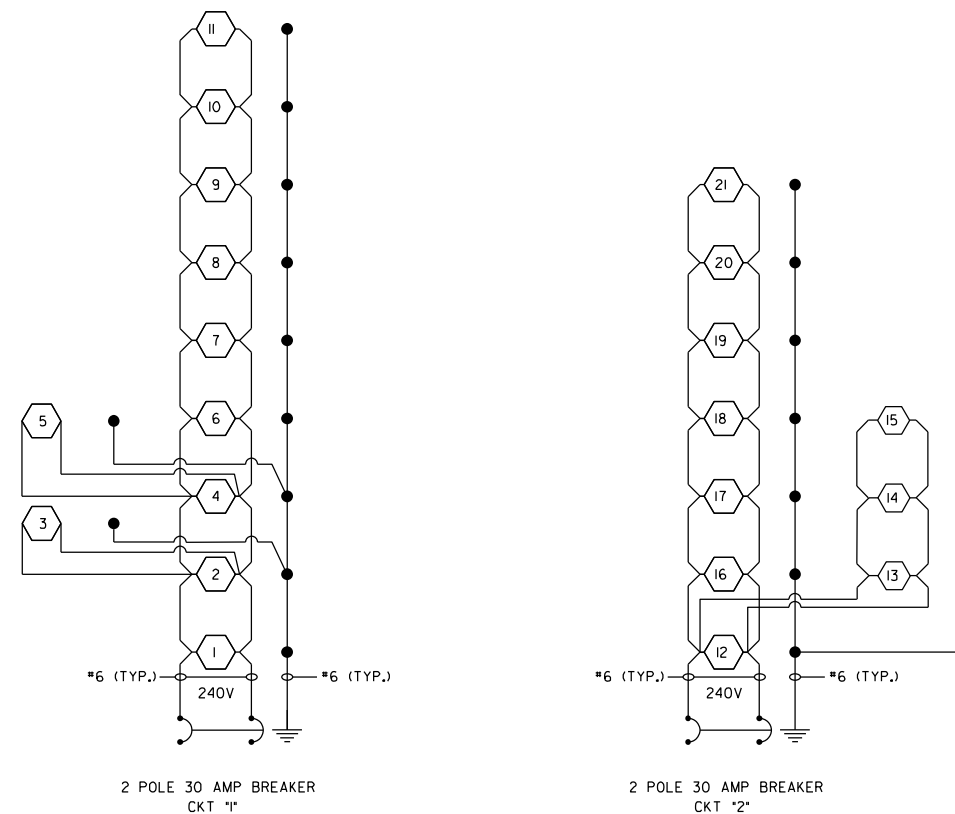
Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}		
0.8	3.0		
Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_V/L_{AVE}
N/A	N/A	N/A	0.3

Light Trespass (see notes 5 and 7)

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_V
N/A	N/A	N/A

Notes

1. Set-Back is from Edge of Pavement (white line).
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
3. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.
4. Lane width is the width of each **individual** lane, not to be confused with total roadway width.
5. Compliance with performance criteria shall be held to one significant digit.
6. Photometric calculations for roadways shall be performed with a total light loss factor of 0.7
7. Light trespass calculations shall be performed with a total light loss factor of 1.0 and with horizontal calculations performed at grade and vertical calculations performed with calculation points located three feet above grade.
8. Luminaire performance table is intended to define the luminaire and does not necessarily match any specific roadway geometry, mounting height, setback, or arm length.



PROPOSED ROADWAY LIGHTING CONTROLLER
KENNEDY RD. AT STA. 61+65
PEDESTAL MOUNT, 240V

LEGEND

- PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G.
- GROUND ROD.

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

Printed 03/10/25

BDE 5630 (Draft)

MODEL NUMBER/NAME
FILE NAME: 5630

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAMS AND LUMINAIRE
PERFORMANCE TABLE

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(54-1,2)HL	LOGAN	16	16
CONTRACT NO. 72977			ILLINOIS FED. AID PROJECT	