

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

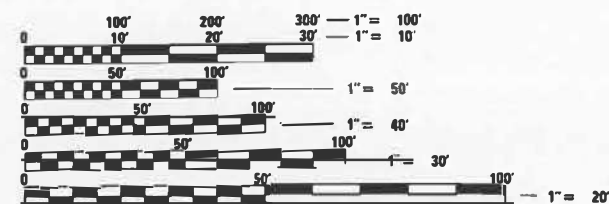
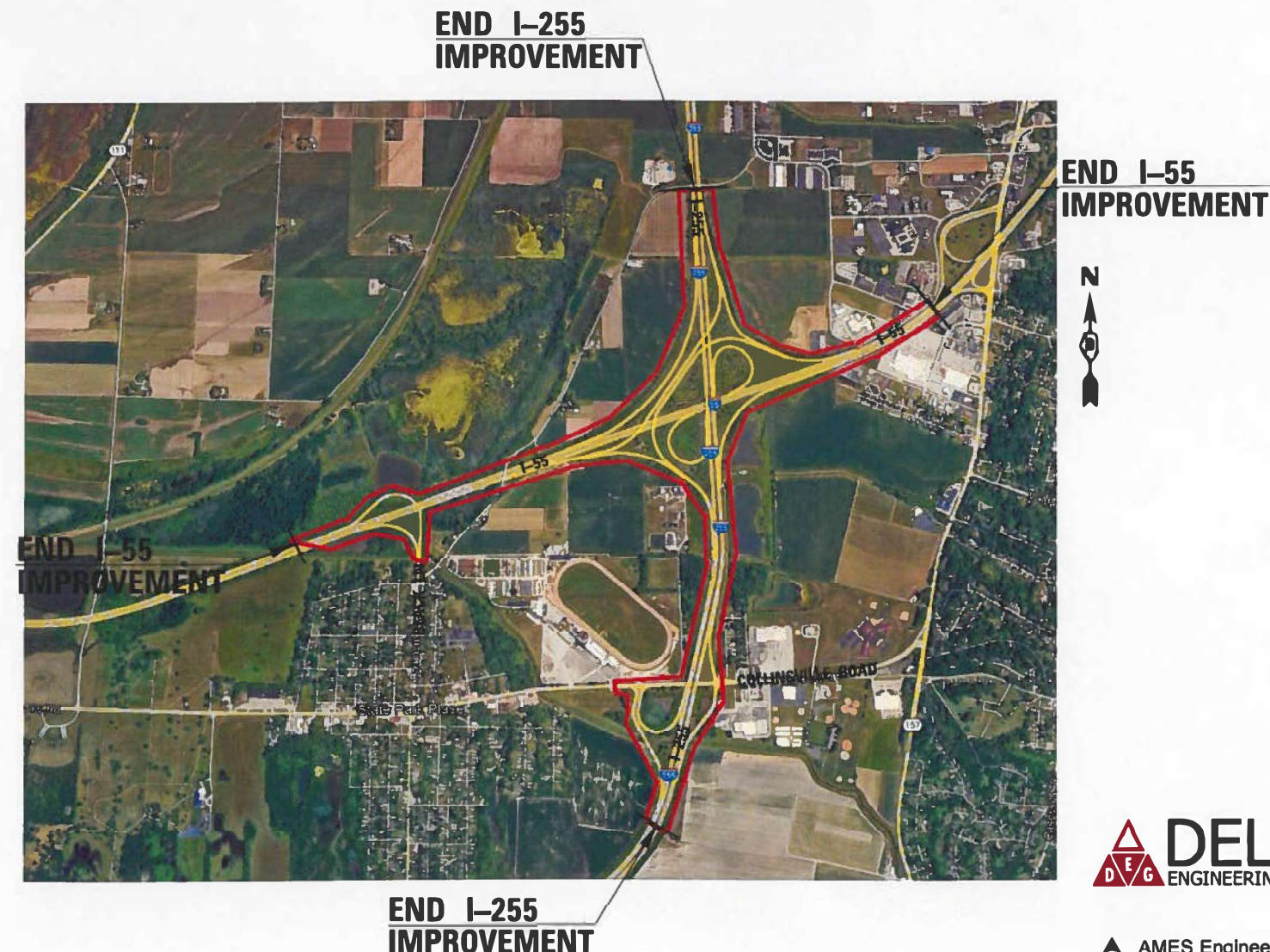
PROPOSED
HIGHWAY PLANS

FAI ROUTE 255(I-255) /FAI ROUTE 70 (I-70)
SECTION: 60-7L , 60-6L

MADISON AND ST. CLAIR COUNTY
C-98-110-24

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-255	60-7L / 60-6L	MADISON AND ST. CLAIR ILLINOIS	34	01
CONTRACT NO. 76774				

D-98-048-24



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 EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER:
PROJECT MANAGER: RICHARD BARBEE



AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Mar 25 2025

[Signature] REGIONAL ENGINEER

May 9 2025

[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2025

[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

100% STATE				CONSTRUCTION TYPE CODE	
CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITIES	0021	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2088	2088	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	24	24	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	9	9	
67100100	MOBILIZATION	L SUM	1	1	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	4	4	
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	803	300	
81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	1155	1155	
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	274	274	
82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	4	4	
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	5	5	
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	4	4	

* SPECIALTY ITEM

REV - MS

MODEL & MODEL NAMES
FILE NAMES & STYLES



USER NAME = \$USERS\$	DESIGNED - AM/HM	REVISED -
	DRAWN - AM	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - KK/HM	REVISED -
PLOT DATE = \$DATE\$	DATE - 03/24/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-255	60-7L / 60-6L	MADISON/ST. CLAIR	34	2
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	100% STATE URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
				0021	
83503400	LIGHT TOWER, 110 FT. MOUNTING HEIGHT, LUMINAIRE MT - 6	EACH	4	4	
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	76	76	
84200605	REMOVAL OF LIGHTING TOWER, NO SALVAGE	EACH	4	4	
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1	1	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5910	5910	
X0327234	LIGHTING UNIT IDENTIFICATION DECAL	EACH	278	278	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X1400267	REMOVAL OF LIGHTING LUMINAIRE, NO SALVAGE	EACH	4	4	
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	4	4	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	1000	1000	

Ø 0042

REV - MS

MODEL: \\MODEL\NAMES
FILE: \\MODEL\STYLES

	USER NAME = \$USERS\$	DESIGNED - AM/HM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	DRAWN - AM	REVISED -					I-255	60-7L / 60-6L	MADISON/ST. CLAIR	34	3
	PLOT DATE = \$DATE\$	CHECKED - KK/HM	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 76T74				
		DATE - 03/24/2025	REVISED -					ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

1	COVER SHEET
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34	LUMINAIRE PERFORMANCE TABLE

HIGHWAY STANDARDS

701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-10	TRAFFIC CONTROL DEVICES
821101-03	LUMINAIRE WIRING IN POLE
825026-04	LIGHTING CONTROLLER BASE MOUNT 480V

GENERAL NOTES

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:

* AT&T ILLINOIS (PHONE/COMMUNICATIONS)
* CHARTER/SPECTRUM COMMUNICATIONS (CABLE TV)
* MEDIACOM (CABLE TV)
* USIC LOCATING SERVICES
2. ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR.S EXPENSE
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUBCONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM IT'S FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSE WORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS US, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 619-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
5. A FULL SURVEY WAS NOT PERFORMED AND THE PLANS WERE CREATED USING MICROFILM, FIELD MEASUREMENTS AND SUPPLEMENTAL SURVEY.

COMMITMENTS

NONE

REV - MS

MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Dgn\D876T4-border.dgn



USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 0.166666 ' / in.	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	4
		CONTRACT NO. 76T74		
		ILLINOIS	FED. AID PROJECT	

LIGHTING GENERAL NOTES:

1.

THIS PROJECT INCLUDES THE INSTALLATION OF NEW LED LUMINAIRES TO REPLACE THE EXISTING HPS LUMINAIRES ON EXISTING LIGHT POLES ALONG THE INTERCHANGE OF I-255 AND I-55, I-255 AT COLLINSVILLE RD. AND I-55 AT BLACK RD. NEW ELECTRIC SERVICE. CONTROL CABINETS AND WIRING SHALL ALSO BE INSTALLED. THE PROPOSED LIGHTING SHALL BE OWNED AND MAINTAINED BY THE STATE OF ILLINOIS.
2.

THE QUANTITIES OF RACEWAY WHERE INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
3.

EXISTING WIRING IN CONDUIT ATTACHED TO STRUCTURES AND IN CONDUIT UNDER PAVEMENT SHALL BE REMOVED AND REPLACED, EXISTING WIRING UNDER PAVEMENT SHALL BE CUT AT BOTH ENDS OF UNDERGROUND SLEEVES TO FACILITATE REMOVAL.
4.

A NOMINAL QUANTITY OF UNDERGROUND CONDUIT HAS BEEN PROVIDED TO BE USED IN THE EVENT THAT THE EXISTING SLEEVES UNDER PAVEMENT ARE NO LONGER USABLE.
5.

ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.
6.

THE CONTRACTOR SHALL TAKE PRECAUTION WHEN INSTALLING ELECTRIC CABLE TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.
7.

THE CONTRACTOR SHALL TAKE PRECAUTION WHEN INSTALLING LIGHTING CONTROLLER FOUNDATIONS TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES AND EXISTING DITCH FLOWLINE. WHEN CONFLICTS ARE ENCOUNTERED, THE CONTRACTOR SHALL REQUEST TO RELOCATE THE FOUNDATION. THE NEW LOCATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
8.

GROUND RODS SHALL BE INSTALLED AT EACH LIGHTING CONTROLLER.
9.

EXISTING DIRECT BURIED WIRE SHALL BE ABANDONED IN PLACE.
10.

EXISTING CABLE IN CONDUIT SHALL BE REMOVED FROM CONDUIT AND BECOME THE PROPERTY OF THE CONTRACTOR.

LEGEND

- 

EXISTING LIGHTING UNIT TO BE REMOVED
- 

EXISTING LIGHT POLE WITH PROPOSED LED LUMINAIRE
OUTPUT DESIGNATION H (480V-PHASE TO PAHSE)
- 

ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC)
2/C NO. 4 AND NO. 6 (OR SIZE AS INDICATED)
- 

ELECTRIC SERVICE 240/480V, 1 PHASE, 3 WIRE
- 

PROPOSED LIGHTING CONTROLLER 240/480V, 1 PHASE, 3 WIRE
100 AMP, BASE MOUNTED
- 

EXISTING LIGHTING CONTROLLER
- 

UNDERGROUND CONDUIT GALVANIZED STEEL
- 

ELECTRIC CABLE IN CONDUIT 4" DIA., 3-1/C NO. 1/0
- 

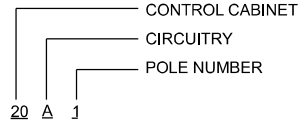
GROUND ROD 5/8" X 10 FT.
- 

EXISTING UNDERGROUND CONDUIT TO REMAIN

CALL - OUT DESCRIPTION



CIRCUIT NUMBER EXAMPLE



MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Dgn\ID876T4-border.dgn



USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING GENERAL NOTES AND LEGEND

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	5
		CONTRACT NO. 76T74		
		ILLINOIS	FED. AID PROJECT	

MODEL: INDEX [Sheet]
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\SHND6\6T174-SCHEDULED-01-sh1.dgn

CIRCUIT #	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
A	20A1	2/C #4 & #6	1	LT-04
A	20A2	2/C #4 & #6	1	LT-02
A	20A3	2/C #4 & #6	1	LT-04
A	20A4	2/C #4 & #6	1	LT-02
A	20A5	2/C #4 & #6	1	LT-05
A	20A6	2/C #4 & #6	1	LT-05
A	20A7	2/C #4 & #6	1	LT-05
A	20A8	2/C #4 & #6	1	LT-05
A	20A9	2/C #4 & #6	1	LT-06
A	20A10	2/C #4 & #6	1	LT-06
A	20A11	2/C #4 & #6	1	LT-06
A	20A12	2/C #4 & #6	1	LT-06
A	20A13	2/C #4 & #6	1	LT-06
A	20A14	2/C #4 & #6	1	LT-07
A	20A15	2/C #4 & #6	1	LT-07
A	20A16	2/C #4 & #6	1	LT-07
B	20B1	2/C #4 & #6	1	LT-04
B	20B2	2/C #4 & #6	1	LT-04
B	20B3	2/C #4 & #6	1	LT-04
B	20B4	2/C #4 & #6	1	LT-04
B	20B5	2/C #4 & #6	1	LT-04
B	20B6	2/C #4 & #6	1	LT-04
B	20B7	2/C #4 & #6	1	LT-04
B	20B8	2/C #4 & #6	1	LT-07
B	20B9	2/C #4 & #6	1	LT-07
B	20B10	2/C #4 & #6	1	LT-07
B	20B11	2/C #4 & #6	1	LT-07
B	20B12	2/C #4 & #6	1	LT-07
C	20C1	2/C #4 & #6	1	LT-04
C	20C2	2/C #4 & #6	1	LT-04

CONTROLLER #20

2/C #4 & #6	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
A	21A1	2/C #4 & #6	1	LT-02
A	21A2	2/C #4 & #6	1	LT-02
A	21A3	2/C #4 & #6	1	LT-02
A	21A4	2/C #4 & #6	1	LT-02
A	21A5	2/C #4 & #6	1	LT-02
A	21A6	2/C #4 & #6	1	LT-02
A	21A7	2/C #4 & #6	1	LT-02
A	21A8	2/C #4 & #6	1	LT-02
A	21A9	2/C #4 & #6	1	LT-05
A	21A10	2/C #4 & #6	1	LT-05
B	21B1	2/C #4 & #6	1	LT-02
B	21B2	2/C #4 & #6	1	LT-02
B	21B3	2/C #4 & #6	1	LT-05
B	21B4	2/C #4 & #6	1	LT-05
B	21B5	2/C #4 & #6	1	LT-05
B	21B6	2/C #4 & #6	1	LT-05
B	21B7	2/C #4 & #6	1	LT-05
B	21B8	2/C #4 & #6	1	LT-06
B	21B9	2/C #4 & #6	1	LT-06
B	21B10	2/C #4 & #6	1	LT-06
B	21B11	2/C #4 & #6	1	LT-06
B	21B12	2/C #4 & #6	1	LT-07
B	21B13	2/C #4 & #6	1	LT-07
B	21B14	2/C #4 & #6	1	LT-07
B	21B15	2/C #4 & #6	1	LT-07
B	21B16	2/C #4 & #6	1	LT-07
C	21C1	2/C #4 & #6	1	LT-02

CONTROLLER #21

2/C #4 & #6	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
A	25A1	2/C #6 & #8	1	LT-03
A	25A2	2/C #6 & #8	1	LT-03
A	25A3	2/C #6 & #8	1	LT-01
A	25A4	2/C #6 & #8	1	LT-01
A	25A5	2/C #6 & #8	1	LT-01
A	25A6	2/C #6 & #8	1	LT-03
B	25B1	2/C #6 & #8	1	LT-01
B	25B2	2/C #6 & #8	1	LT-01
B	25B3	2/C #6 & #8	1	LT-01
B	25B4	2/C #6 & #8	1	LT-01
B	25B5	2/C #6 & #8	1	LT-01
B	25B6	2/C #6 & #8	1	LT-01
B	25B7	2/C #6 & #8	1	LT-03

CONTROLLER #25

CIRCUIT #	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
E	22E5	2/C #4 & #6	1	LT-17
E	22E6	2/C #4 & #6	1	LT-17
E	22E7	2/C #4 & #6	1	LT-08
E	22E8	2/C #4 & #6	1	LT-08
E	22E9	2/C #4 & #6	1	LT-08
E	22E10	2/C #4 & #6	1	LT-08
E	22E11	2/C #4 & #6	1	LT-06
E	22E12	2/C #4 & #6	1	LT-08
E	22E13	2/C #4 & #6	1	LT-08
E	22E14	2/C #4 & #6	1	LT-08
E	22E15	2/C #4 & #6	1	LT-09
E	22E16	2/C #4 & #6	1	LT-18
E	22E17	2/C #4 & #6	1	LT-18
E	22E18	2/C #4 & #6	1	LT-18
E	22E19	2/C #4 & #6	1	LT-18
E	22E20	2/C #4 & #6	1	LT-10
E	22E21	2/C #4 & #6	1	LT-10

CONTROLLER #22

CIRCUIT #	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
A	22A1	2/C #4 & #6	1	LT-16
A	22A2	2/C #4 & #6	1	LT-16
A	22A3	2/C #4 & #6	1	LT-16
A	22A4	2/C #4 & #6	1	LT-15
A	22A5	2/C #4 & #6	1	LT-15
A	22A6	2/C #4 & #6	1	LT-15
A	22A7	2/C #4 & #6	1	LT-15
A	22A8	2/C #4 & #6	1	LT-15
A	22A9	2/C #4 & #6	1	LT-14
A	22A10	2/C #4 & #6	1	LT-14
A	22A11	2/C #4 & #6	1	LT-14
A	22A12	2/C #4 & #6	1	LT-14
A	22A13	2/C #4 & #6	1	LT-14
A	22A14	2/C #4 & #6	1	LT-14
A	22A15	2/C #4 & #6	1	LT-14
A	22A16	2/C #4 & #6	1	LT-14
A	22A17	2/C #4 & #6	1	LT-14
A	22A18	2/C #4 & #6	1	LT-14
A	22A19	2/C #4 & #6	1	LT-13
A	22A20	2/C #4 & #6	1	LT-13
A	22A21	2/C #4 & #6	1	LT-13
B	22B1	2/C #2 & #4	1	LT-16
B	22B2	2/C #2 & #4	1	LT-16
B	22B3	2/C #2 & #4	1	LT-16
B	22B4	2/C #2 & #4	1	LT-15
B	22B5	2/C #2 & #4	1	LT-15
B	22B6	2/C #2 & #4	1	LT-15
B	22B7	2/C #2 & #4	1	LT-15
B	22B8	2/C #2 & #4	1	LT-15
B	22B9	2/C #2 & #4	1	LT-14

CONTROLLER #22

CIRCUIT #	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
B	22B10	2/C #2 & #4	1	LT-14
B	22B11	2/C #2 & #4	1	LT-14
B	22B12	2/C #2 & #4	1	LT-14
B	22B13	2/C #2 & #4	1	LT-14
B	22B14	2/C #2 & #4	1	LT-14
B	22B15	2/C #2 & #4	1	LT-14
B	22B16	2/C #2 & #4	1	LT-14
B	22B17	2/C #2 & #4	1	LT-14
B	22B18	2/C #2 & #4	1	LT-13
B	22B19	2/C #2 & #4	1	LT-13
B	22B20	2/C #2 & #4	1	LT-13
B	22B21	2/C #2 & #4	1	LT-13
C	22C1	2/C #4 & #6	1	LT-16
C	22C2	2/C #4 & #6	1	LT-16
C	22C3	2/C #4 & #6	1	LT-17
C	22C4	2/C #4 & #6	1	LT-17
C	22C5	2/C #4 & #6	1	LT-16
C	22C6	2/C #4 & #6	1	LT-17
C	22C7	2/C #4 & #6	1	LT-17
C	22C8	2/C #4 & #6	1	LT-17
C	22C9	2/C #4 & #6	1	LT-17
C	22C10	2/C #4 & #6	1	LT-17
C	22C11	2/C #4 & #6	1	LT-17
C	22C12	2/C #4 & #6	1	LT-09
C	22C13	2/C #4 & #6	1	LT-09
C	22C14	2/C #4 & #6	1	LT-09
C	22C15	2/C #4 & #6	1	LT-09
C	22C16	2/C #4 & #6	1	LT-18
C	22C17	2/C #4 & #6	1	LT-18
C	22C18	2/C #4 & #6	1	LT-18

CONTROLLER #22

CIRCUIT #	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
C	22C19	2/C #4 & #6	1	LT-18
C	22C20	2/C #4 & #6	1	LT-10
C	22C21	2/C #4 & #6	1	LT-10
C	22C22	2/C #4 & #6	1	LT-10
D	22D1	2/C #2 & #4	1	LT-16
D	22D2	2/C #2 & #4	1	LT-17
D	22D3	2/C #2 & #4	1	LT-17
D	22D4	2/C #2 & #4	1	LT-17
D	22D5	2/C #2 & #4	1	LT-17
D	22D6	2/C #2 & #4	1	LT-18
D	22D7	2/C #2 & #4	1	LT-18
D	22D8	2/C #2 & #4	1	LT-18
D	22D9	2/C #2 & #4	1	LT-18
D	22D10	2/C #2 & #4	1	LT-10
D	22D11	2/C #2 & #4	1	LT-10
D	22D12	2/C #2 & #4	1	LT-11
D	22D13	2/C #2 & #4	1	LT-11
D	22D14	2/C #2 & #4	1	LT-11
D	22D15	2/C #2 & #4	1	LT-11
D	22D16	2/C #2 & #4	1	LT-11
D	22D17	2/C #2 & #4	1	LT-12
D	22D18	2/C #2 & #4	1	LT-12
D	22D19	2/C #2 & #4	1	LT-12
D	22D20	2/C #2 & #4	1	LT-12
D	22D21	2/C #2 & #4	1	LT-12
D	22D22	2/C #2 & #4	1	LT-12
E	22E1	2/C #4 & #6	1	LT-16
E	22E2	2/C #4 & #6	1	LT-16
E	22E3	2/C #4 & #6	1	LT-17
E	22E4	2/C #4 & #6	1	LT-17

CONTROLLER #22

LTS-01



USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 0.166666" / in.	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING EQUIPMENT SCHEDULE

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	6
CONTRACT NO. 76T74				
ILLINOIS		FED. AID PROJECT		

CIRCUIT #	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
A	23A1	2/C #4 & #6	1	LT-21
A	23A2	2/C #4 & #6	1	LT-09
A	23A3	2/C #4 & #6	1	LT-09
A	23A4	2/C #4 & #6	1	LT-09
A	23A5	2/C #4 & #6	1	LT-09
A	23A6	2/C #4 & #6	1	LT-09
A	23A7	2/C #4 & #6	1	LT-07
A	23A8	2/C #4 & #6	1	LT-07
A	23A9	2/C #4 & #6	1	LT-07
A	23A10	2/C #4 & #6	1	LT-07
A	23A11	2/C #4 & #6	1	LT-07
A	23A12	2/C #4 & #6	1	LT-08
A	23A13	2/C #4 & #6	1	LT-08
A	23A14	2/C #4 & #6	1	LT-08
A	23A15	2/C #4 & #6	1	LT-08
A	23A16	2/C #4 & #6	1	LT-08
A	23A17	2/C #4 & #6	1	LT-08
A	23A18	2/C #4 & #6	1	LT-09
A	23A19	2/C #4 & #6	1	LT-09
A	23A20	2/C #4 & #6	1	LT-09
A	23A21	2/C #4 & #6	1	LT-10
A	23A22	2/C #4 & #6	1	LT-10
A	23A23	2/C #4 & #6	1	LT-10
A	23A24	2/C #4 & #6	1	LT-11
A	23A25	2/C #4 & #6	1	LT-11
B	23B1	2/C #4 & #6	1	LT-21
B	23B2	2/C #4 & #6	1	LT-21
B	23B3	2/C #4 & #6	1	LT-10
B	23B4	2/C #4 & #6	1	LT-10
B	23B5	2/C #4 & #6	1	LT-10

CONTROLLER #23

CIRCUIT #	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
C	23C13	2/C #4 & #6	1	LT-20
C	23C14	2/C #4 & #6	1	LT-20
C	23C15	2/C #4 & #6	1	LT-20
C	23C16	2/C #4 & #6	1	LT-20
C	23C17	2/C #4 & #6	1	LT-20
D	23D1	2/C #2 & #4	1	LT-19
D	23D2	2/C #2 & #4	1	LT-19
D	23D3	2/C #2 & #4	1	LT-10
D	23D4	2/C #2 & #4	1	LT-11
D	23D5	2/C #2 & #4	1	LT-11
D	23D6	2/C #2 & #4	1	LT-11
D	23D7	2/C #2 & #4	1	LT-11
D	23D8	2/C #2 & #4	1	LT-11
D	23D9	2/C #2 & #4	1	LT-11
D	23D10	2/C #2 & #4	1	LT-12
D	23D11	2/C #2 & #4	1	LT-12
D	23D12	2/C #2 & #4	1	LT-12
D	23D13	2/C #2 & #4	1	LT-12
D	23D14	2/C #2 & #4	1	LT-12
D	23D15	2/C #2 & #4	1	LT-12
D	23D16	2/C #2 & #4	1	LT-12
E	23E1	2/C #4 & #6	1	LT-21
E	23E2	2/C #4 & #6	1	LT-21
E	23E3	2/C #4 & #6	1	LT-21
E	23E4	2/C #4 & #6	1	LT-21
E	23E5	2/C #4 & #6	1	LT-21
E	23E6	2/C #4 & #6	1	LT-19
E	23E7	2/C #4 & #6	1	LT-19
E	23E8	2/C #4 & #6	1	LT-19
E	23E9	2/C #4 & #6	1	LT-19

CONTROLLER #23

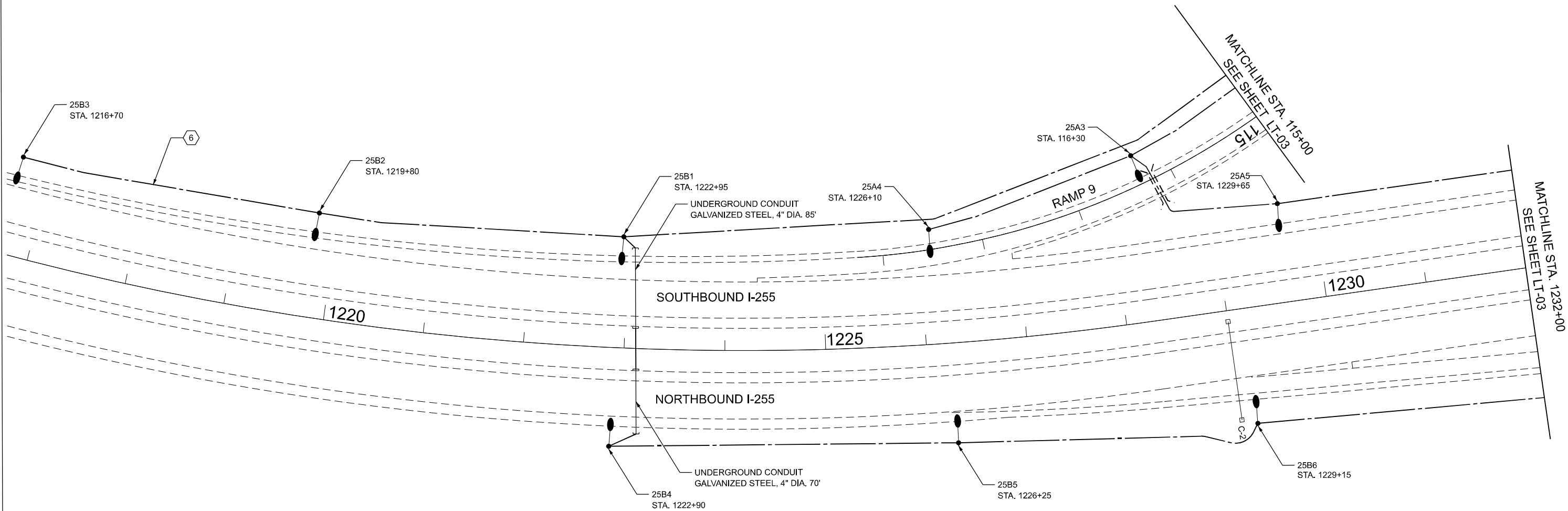
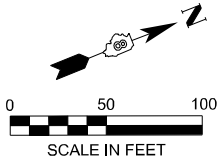
CIRCUIT #	POLE ID #	ELECTRIC CABLE ASSEMBLY	LED LUMINAIRE (480V)	SHEET NO.
B	23B6	2/C #4 & #6	1	LT-10
B	23B7	2/C #4 & #6	1	LT-10
B	23B8	2/C #4 & #6	1	LT-10
B	23B9	2/C #4 & #6	1	LT-10
B	23B10	2/C #4 & #6	1	LT-10
B	23B11	2/C #4 & #6	1	LT-10
B	23B12	2/C #4 & #6	1	LT-19
B	23B13	2/C #4 & #6	1	LT-10
B	23B14	2/C #4 & #6	1	LT-10
B	23B15	2/C #4 & #6	1	LT-11
B	23B16	2/C #4 & #6	1	LT-11
B	23B17	2/C #4 & #6	1	LT-11
B	23B18	2/C #4 & #6	1	LT-11
B	23B19	2/C #4 & #6	1	LT-11
B	23B20	2/C #4 & #6	1	LT-11
B	23B21	2/C #4 & #6	1	LT-11
B	23B22	2/C #4 & #6	1	LT-12
B	23B23	2/C #4 & #6	1	LT-12
C	23C1	2/C #4 & #6	1	LT-21
C	23C2	2/C #4 & #6	1	LT-21
C	23C3	2/C #4 & #6	1	LT-21
C	23C4	2/C #4 & #6	1	LT-19
C	23C5	2/C #4 & #6	1	LT-19
C	23C6	2/C #4 & #6	1	LT-19
C	23C7	2/C #4 & #6	1	LT-19
C	23C8	2/C #4 & #6	1	LT-19
C	23C9	2/C #4 & #6	1	LT-19
C	23C10	2/C #4 & #6	1	LT-19
C	23C11	2/C #4 & #6	1	LT-20
C	23C12	2/C #4 & #6	1	LT-20

CONTROLLER #23

[illegible]

CONTROLLER #23

LTS-02



KEYED NOTE:

- 6 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "LC 21". SEE SHEET LT-02.
- FOR LOCATION OF PROPOSED CONTROLLER "LC 20". SEE SHEET LT-04.

LT-01



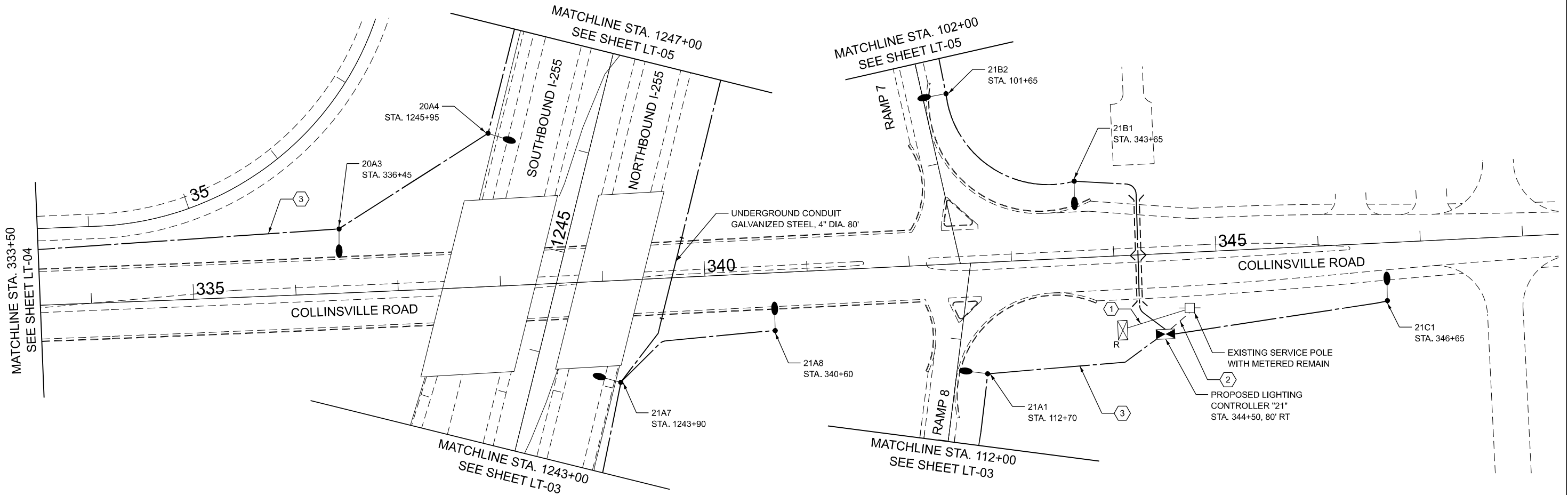
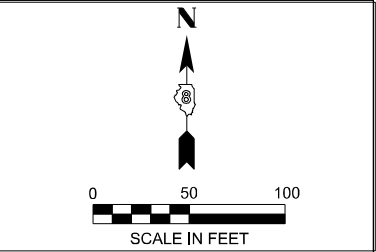
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		DRAWN	- MD / SR	REVISED	-
PLOT SCALE	= 100,000' / in.	CHECKED	- MH	REVISED	-
PLOT DATE	= 2/14/2025	DATE	- 02-14-25	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	8
CONTRACT NO. 76T74				
		ILLINOIS	FED. AID PROJECT	



KEYED NOTE:

- 1 DISCONNECT AND REMOVE EXISTING SERVICE CABLE AND CONDUIT FROM EXISTING SERVICE POLE.
- 2 NEW SERVICE CABLE IN CONDUIT 4" (3-1/C #1/0)
- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2-C NO. 4, AND NO. 6

NOTES:

- 1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- 2. FOR LOCATION OF PROPOSED CONTROLLER "20". SEE SHEET LT-04.

LT-02

MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Ign\LT02.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
8330 Belmont Road, Suite 4B
Downers Grove, IL 60516

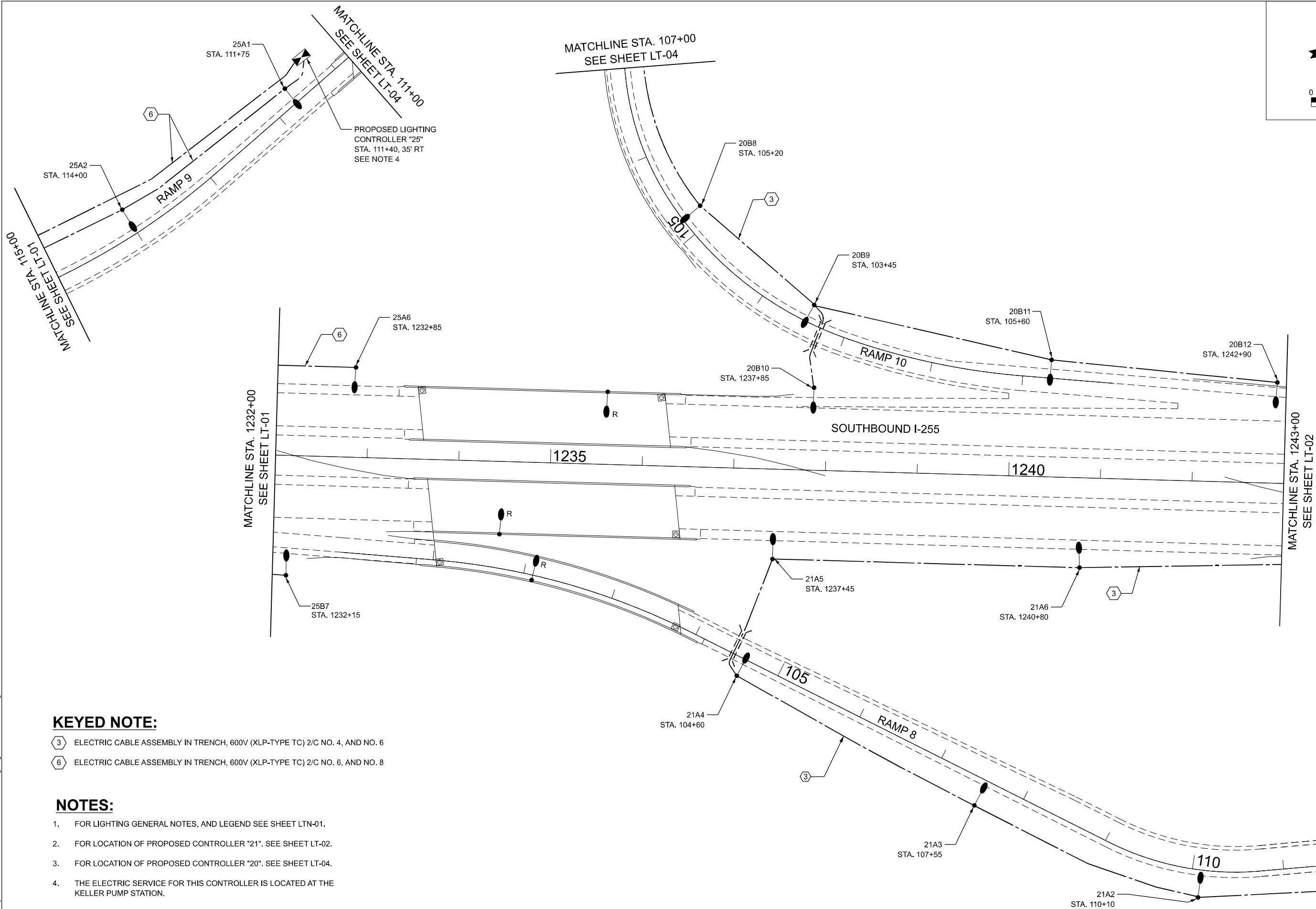
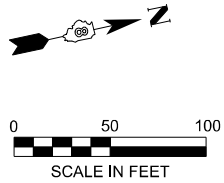
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	DRAWN - MD / SR	REVISED -
PLOT SCALE = 100,000' / 1"	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	9
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				



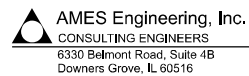
KEYED NOTE:

- ③ ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- ⑥ ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 6, AND NO. 8

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "21". SEE SHEET LT-02.
- FOR LOCATION OF PROPOSED CONTROLLER "20". SEE SHEET LT-04.
- THE ELECTRIC SERVICE FOR THIS CONTROLLER IS LOCATED AT THE KELLER PUMP STATION.

MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Drawings\LT-03.dgn



USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 100,000' / 1in.	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

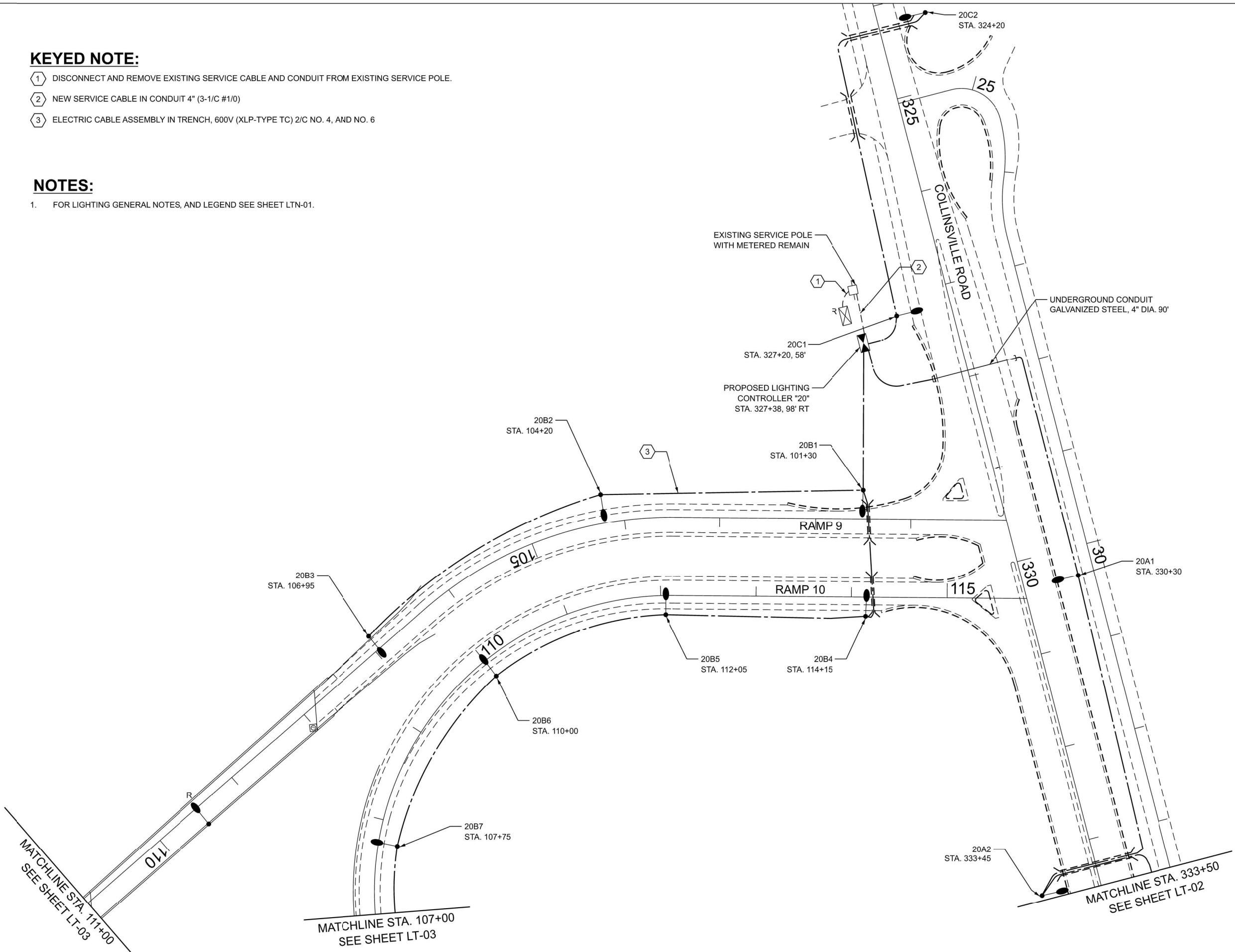
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	10
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

KEYED NOTE:

- 1
- DISCONNECT AND REMOVE EXISTING SERVICE CABLE AND CONDUIT FROM EXISTING SERVICE POLE.
- 2
- NEW SERVICE CABLE IN CONDUIT 4" (3-1/C #1/0)
- 3
- ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6

NOTES:

1.
- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.



MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\cgm\ID87674-border.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME	= Srahman	DESIGNED	- BL / KV	REVISED	-
DRAWN	- MD / SR	CHECKED	- MH	REVISED	-
PLOT SCALE	= \$\$CALE\$	DATE	- 02-14-25	REVISED	-
PLOT DATE	= 2/14/2025				

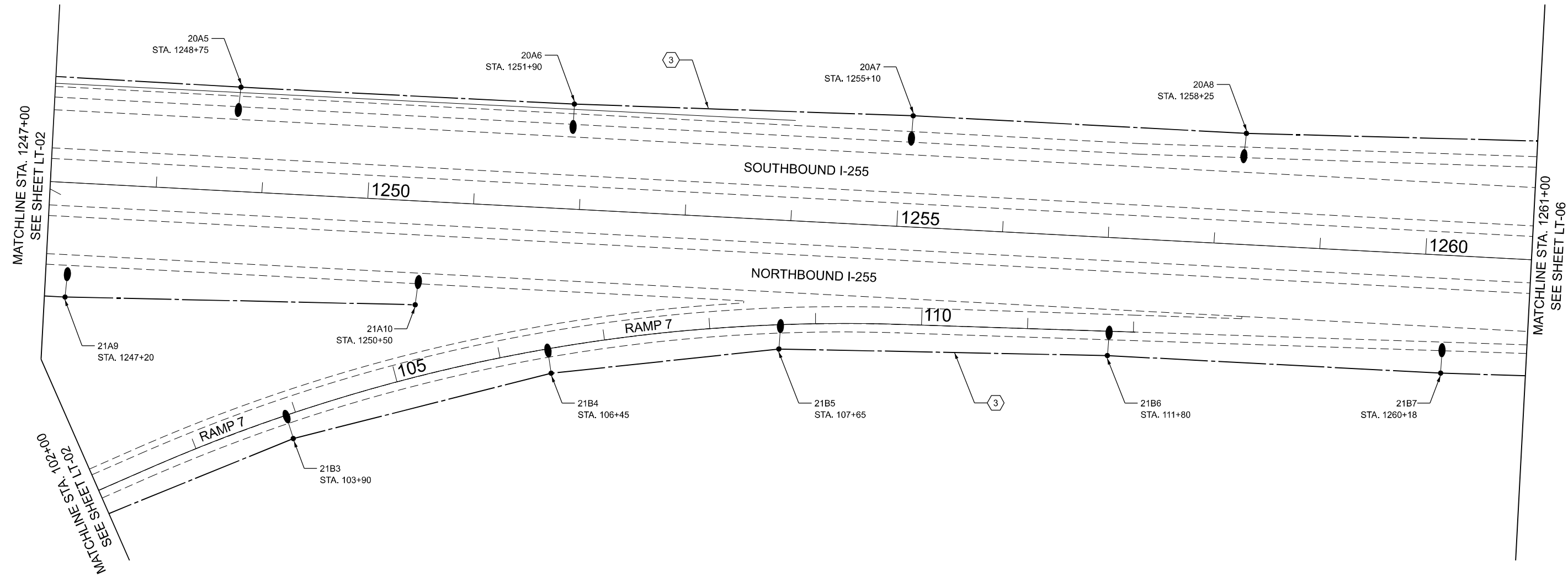
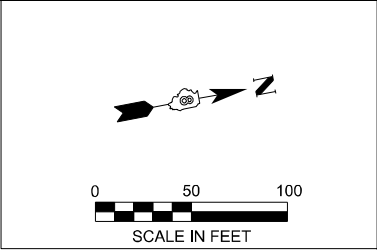
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	11
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

LT-04



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "21". SEE SHEET LT-02.
- FOR LOCATION OF PROPOSED CONTROLLER "20". SEE SHEET LT-04.

LT-05

MODEL: Default
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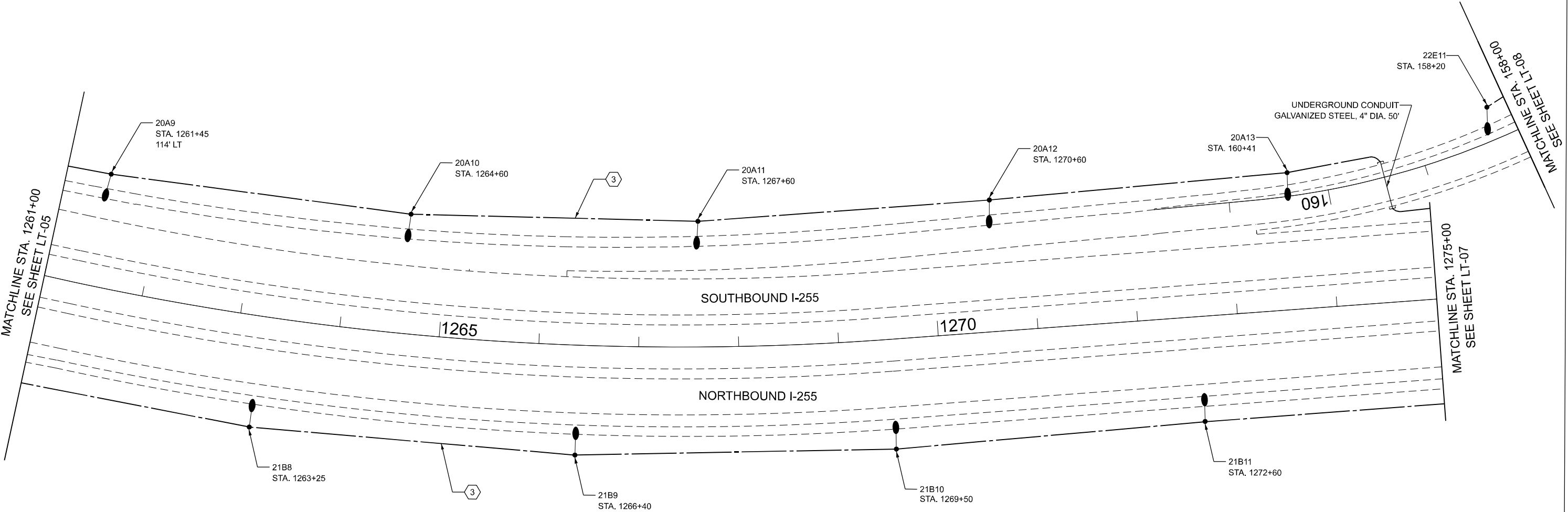
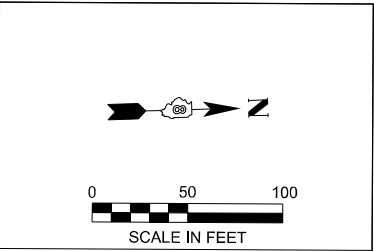
USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	12
CONTRACT NO. 76T74				
ILLINOIS			FED. AID PROJECT	



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "21". SEE SHEET LT-02.
- FOR LOCATION OF PROPOSED CONTROLLER "20". SEE SHEET LT-04.
- FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.

MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta Design\Drawn\Drawn\LT-06.dgn

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6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

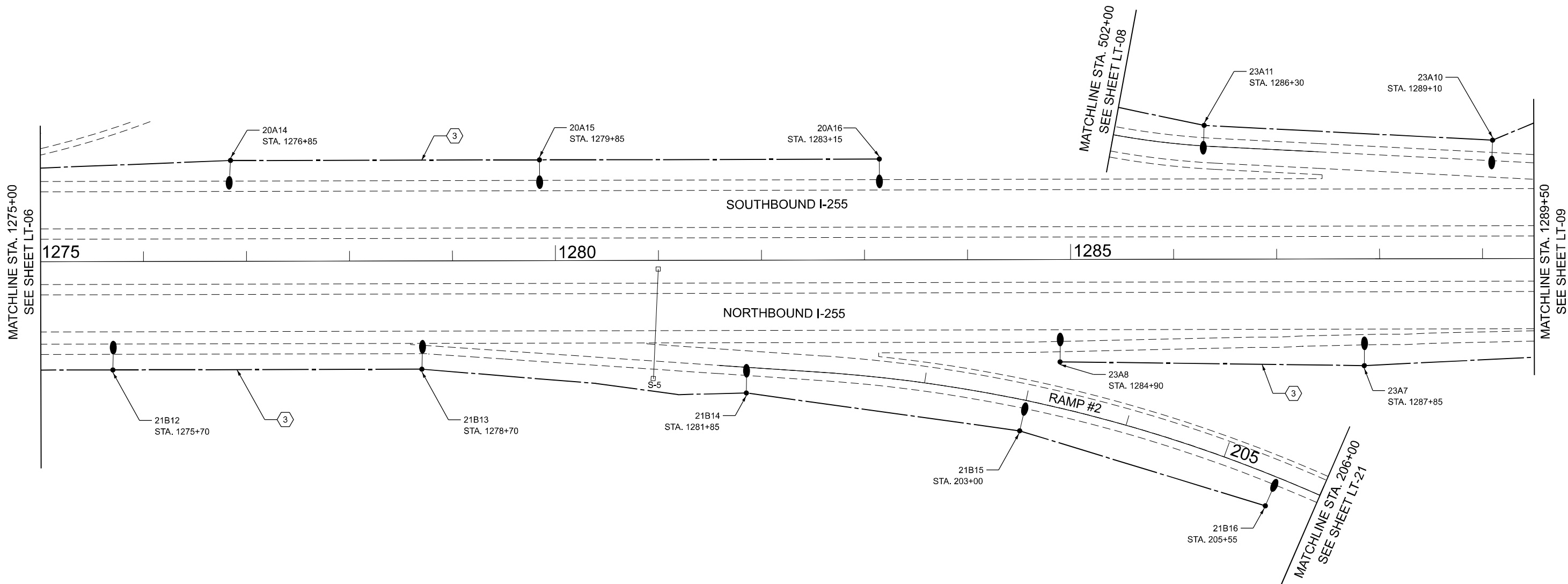
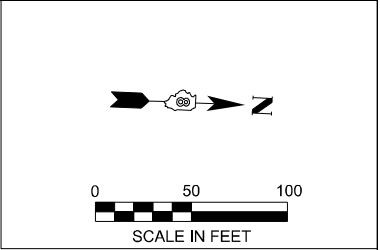
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		DRAWN	-	MD / SR	REVISED	-
PLOT SCALE	= 100.773' / in.	CHECKED	-	MH	REVISED	-
PLOT DATE	= 2/14/2025	DATE	-	02-14-25	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	13
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "21". SEE SHEET LT-02.
- FOR LOCATION OF PROPOSED CONTROLLER "20". SEE SHEET LT-04.
- FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.

LT-07

MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Drawings\LT-07.dgn



USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

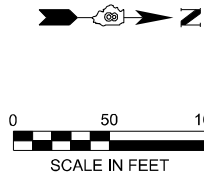
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	14
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.
- FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.



MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Drawn\LT-08.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
8330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME	= Srahman	DESIGNED	- BL / KV	REVISED	-
DRAWN	- MD / SR	REVISIONS			
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PLOT DATE	= 2/14/2025	DATE	- 02-14-25	REVISED	-

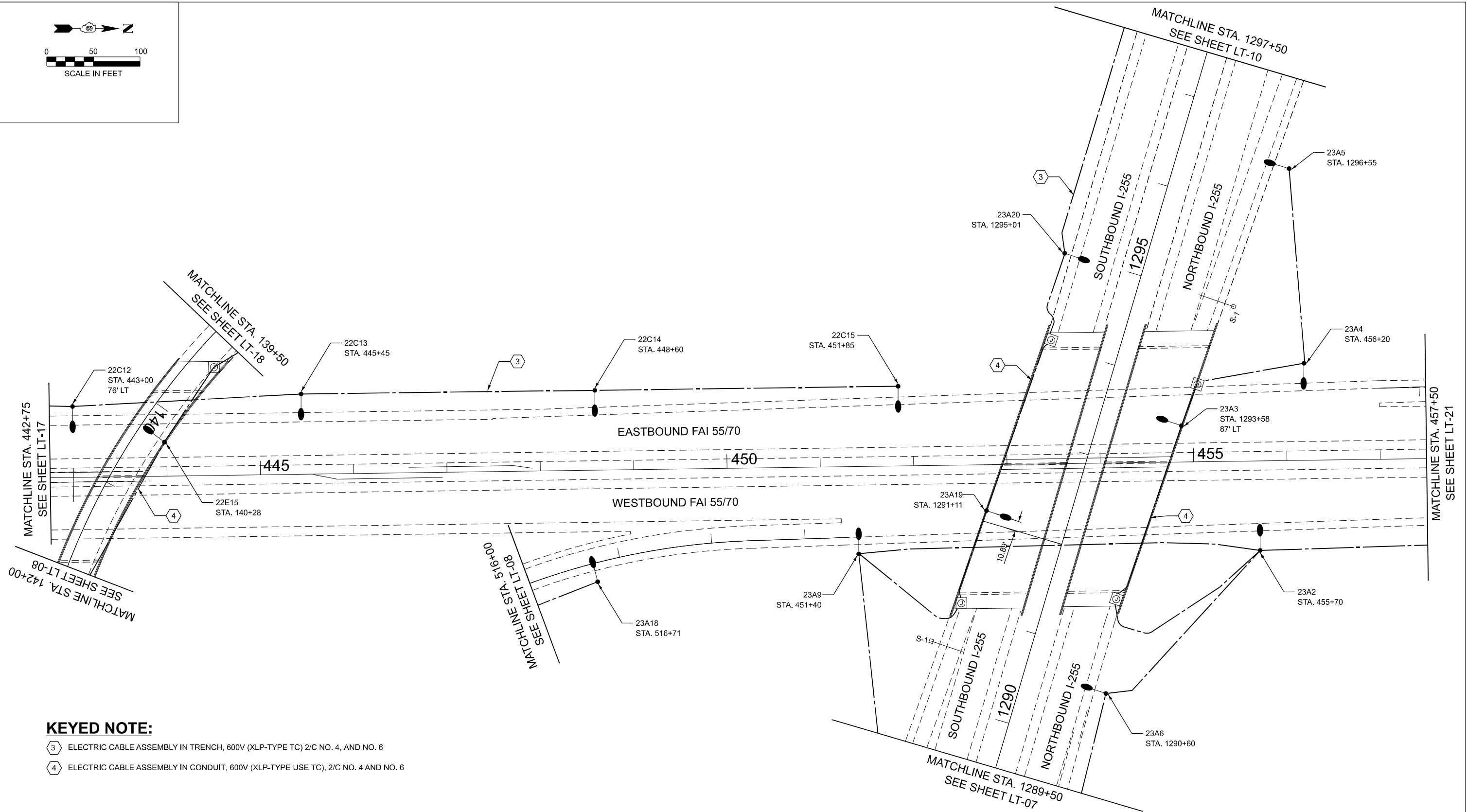
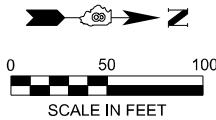
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	15
CONTRACT NO. 76774				
ILLINOIS FED. AID PROJECT				

LT-08



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 4 ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE USE TC), 2/C NO. 4 AND NO. 6

NOTES:

1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
2. FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.
3. FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.

LT-09

 AMES Engineering, Inc. CONSULTING ENGINEERS 8330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = Srahman		DESIGNED - BL / KV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN				F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MD / SR		CHECKED - MH	REVISED -						255	60 - 7L	MADISON	34	16
	PLOT SCALE = 100,000' / in.		DATE - 02-14-25	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 76T74				
	PLOT DATE = 2/14/2025									ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Drawn\LT-10.dgn

KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 2
- 4 ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC), 2/C NO. 4 AND NO. 2
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
2. FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.
3. FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.



USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

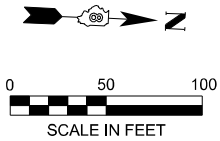
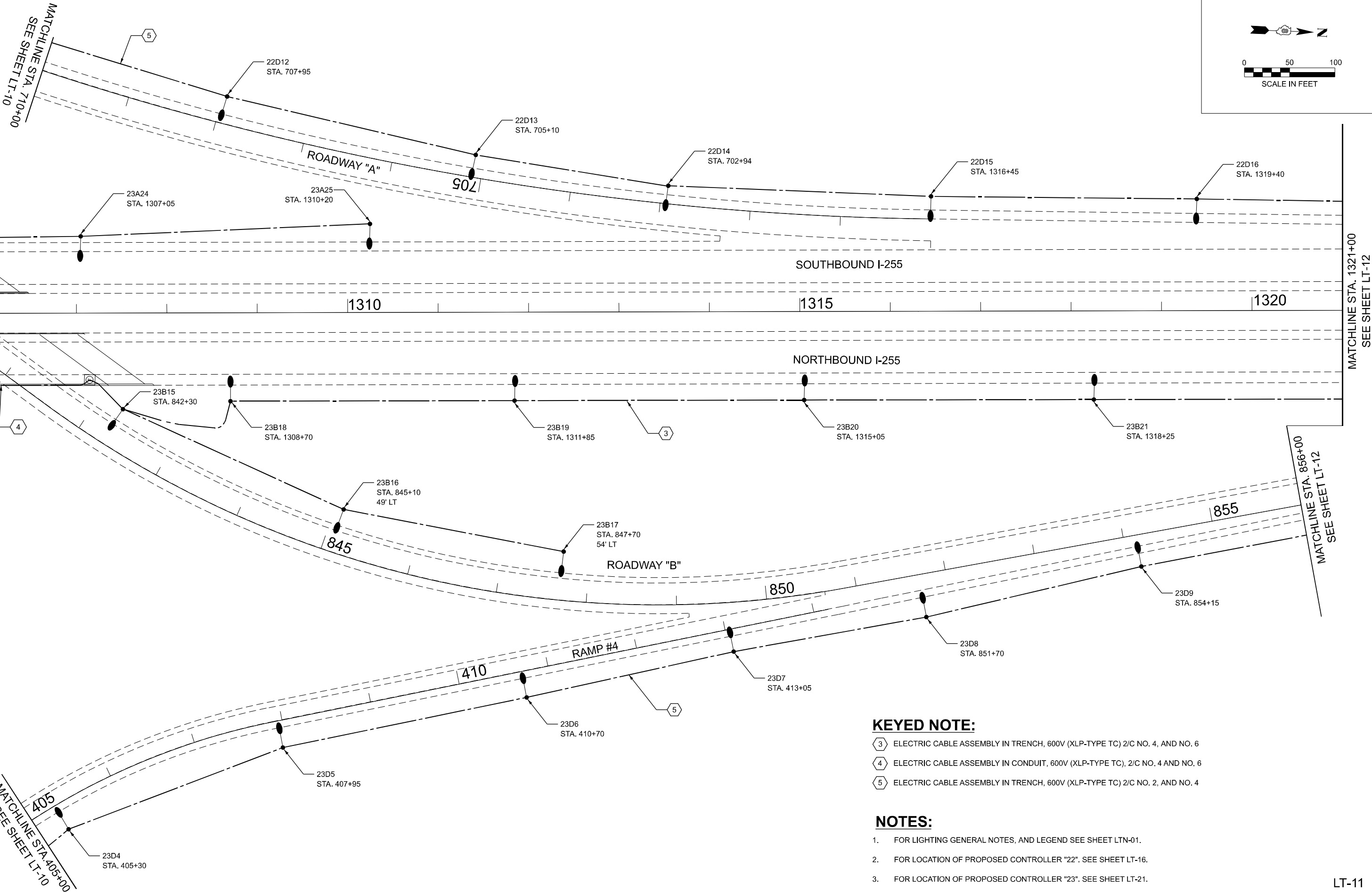
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	17
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

LT-10



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 4 ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC), 2/C NO. 4 AND NO. 6
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.
- FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.

LT-11

MODEL: Default
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USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	18
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

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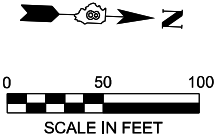
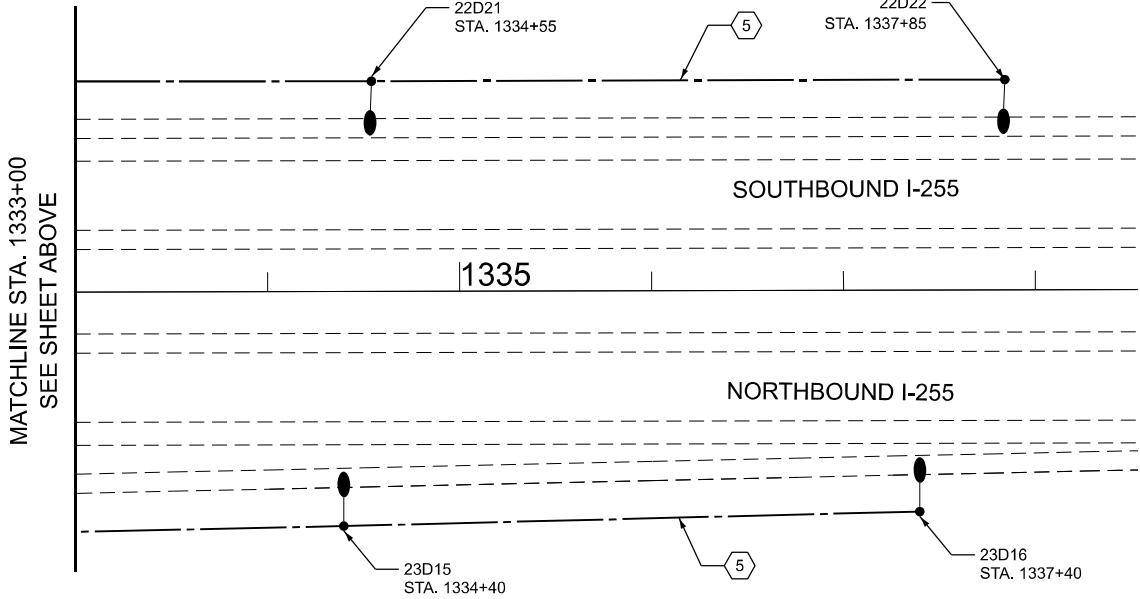
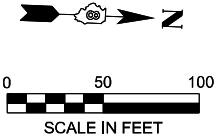
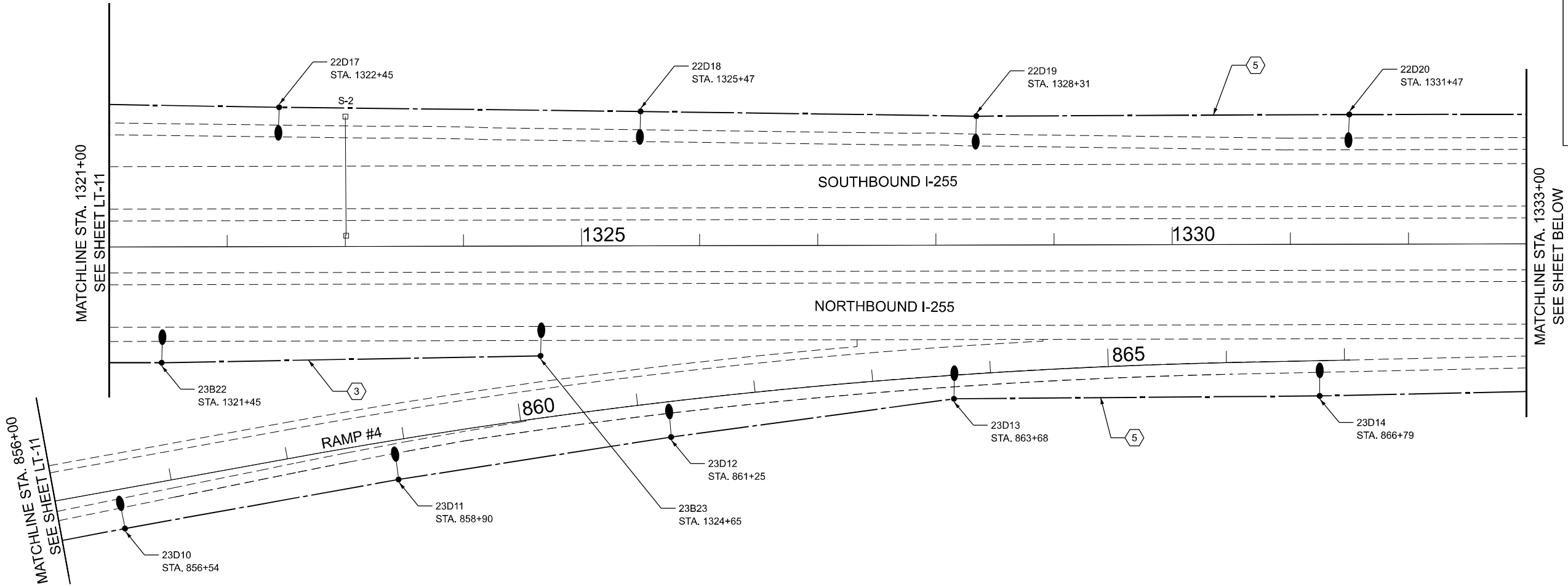
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PLOT DATE	= 2/14/2025	DATE -	02-14-25	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	19
CONTRACT NO. 76T74				
		ILLINOIS	FED. AID PROJECT	

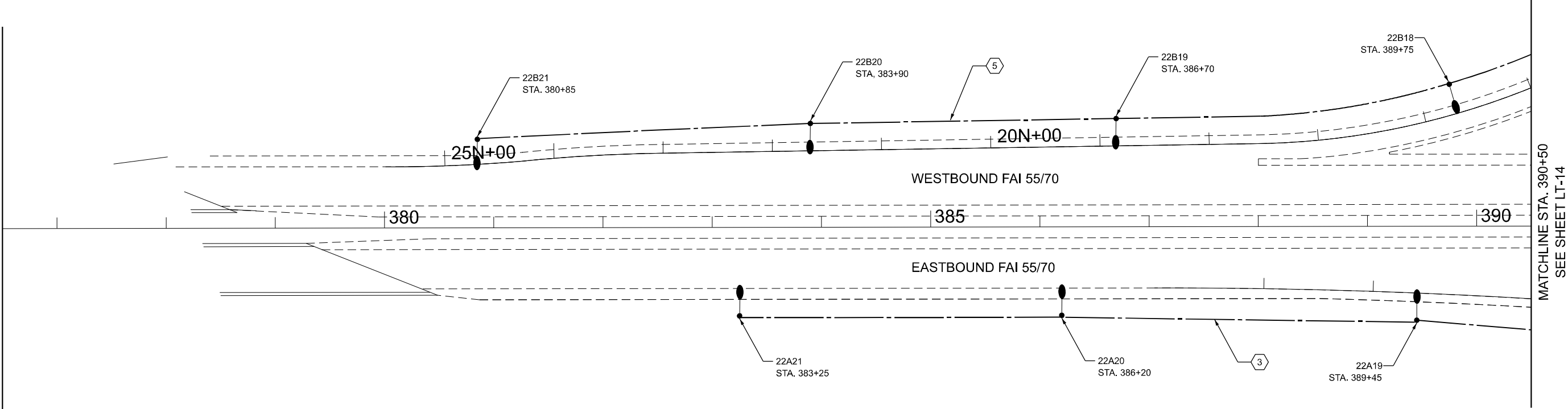
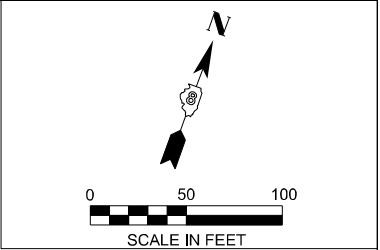


KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.
- FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.



KEYED NOTE:

-  ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
-  ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

- FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.

LT-13

MODEL: Default
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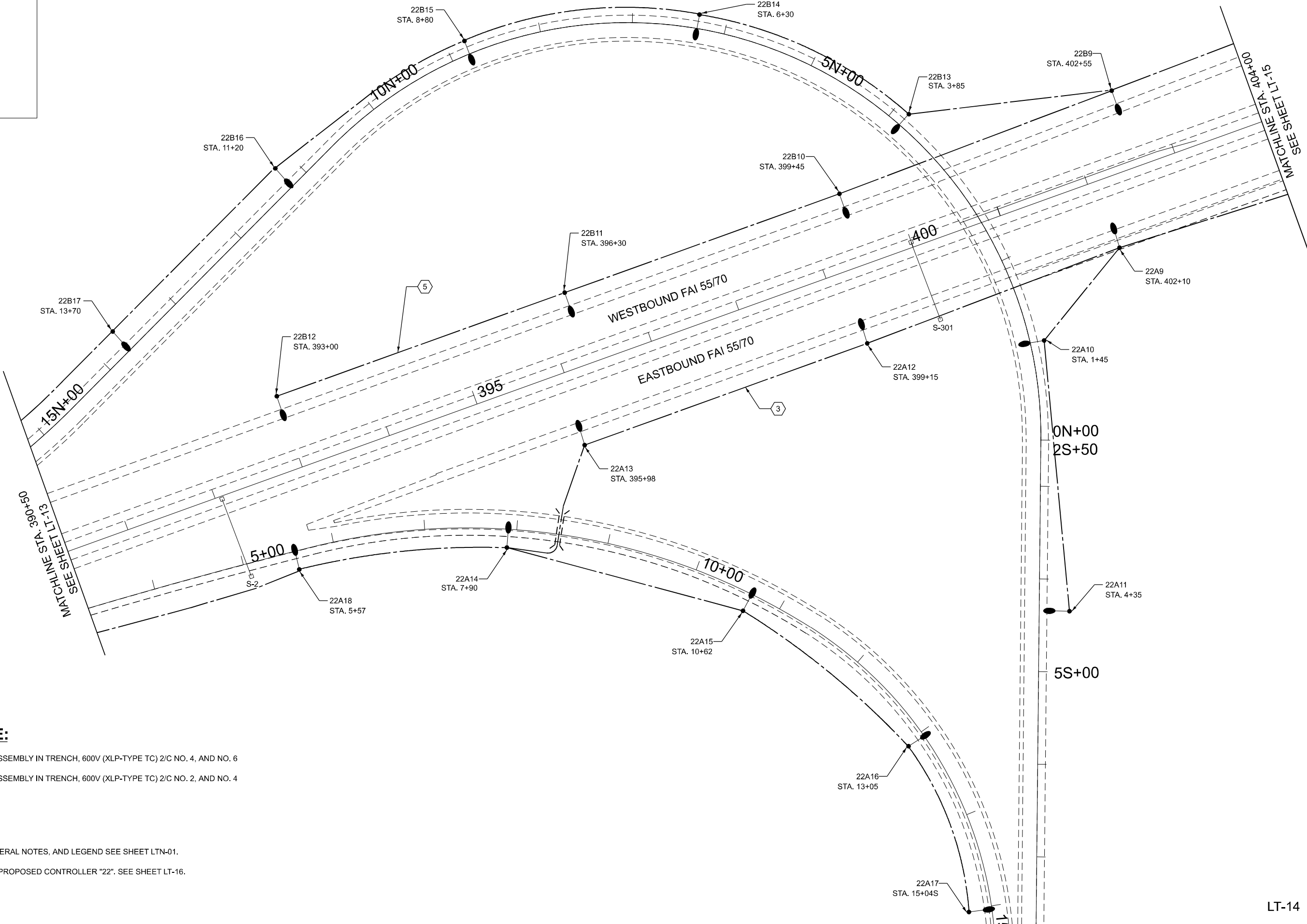
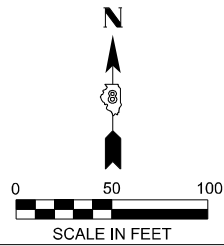
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PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	20
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
2. FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.

MODEL: Default
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Downers Grove, IL 60516

USER NAME	= Srahman	DESIGNED -	BL / KV	REVISED -	
		DRAWN -	MD / SR	REVISED -	
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PLOT DATE	= 2/14/2025	DATE -	02-14-25	REVISED -	

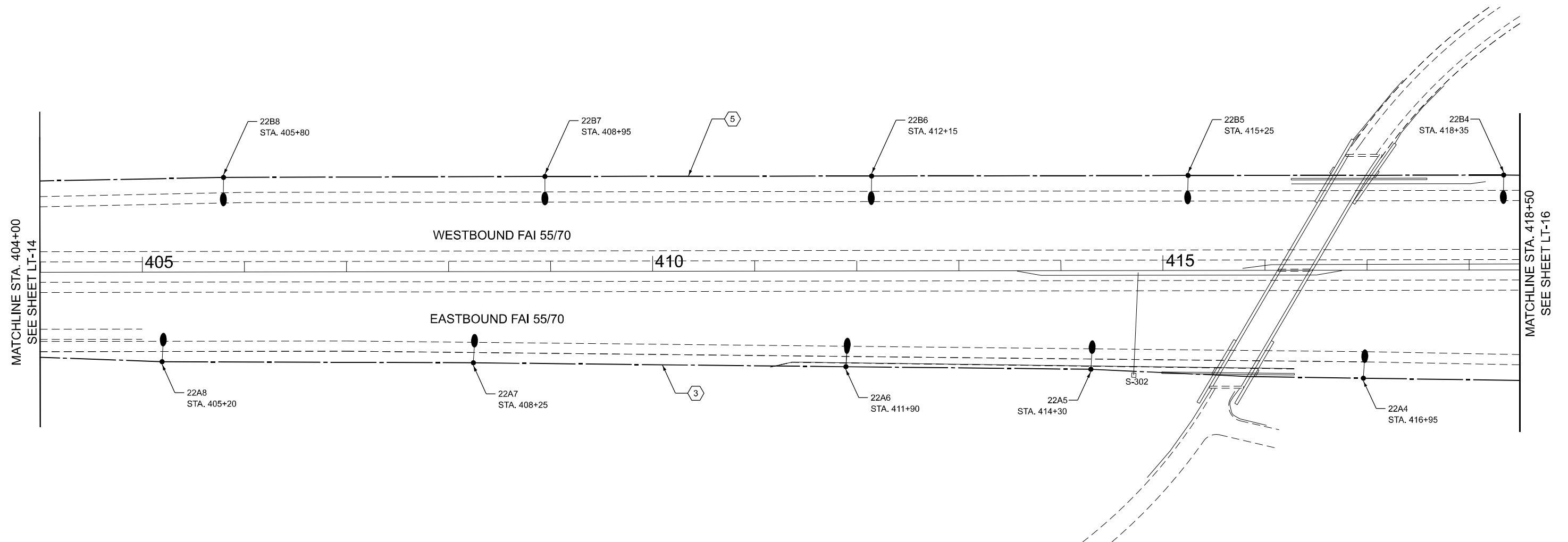
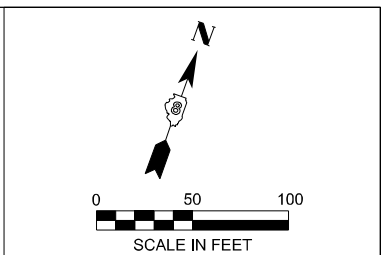
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	21
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

LT-14



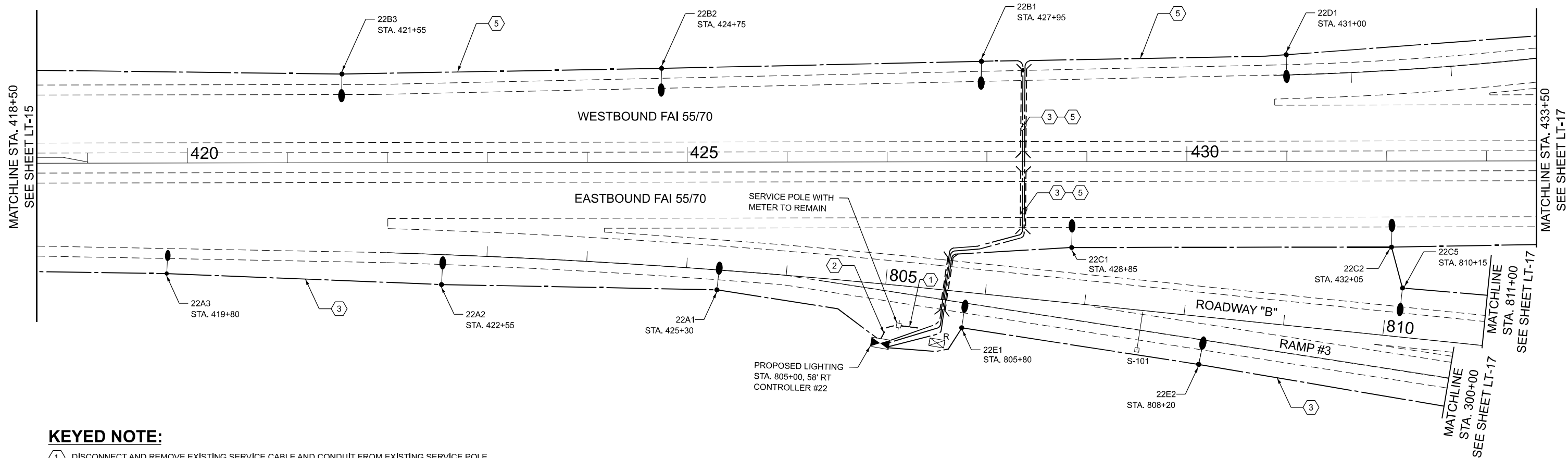
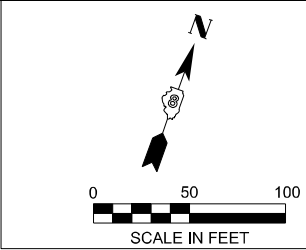
KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
2. FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.

T-15



KEYED NOTE:

- 1 DISCONNECT AND REMOVE EXISTING SERVICE CABLE AND CONDUIT FROM EXISTING SERVICE POLE.
- 2 NEW SERVICE CABLE IN CONDUIT 4" (3-1/C #1/0)
- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

- 1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.

LT-16

MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Dgn\LT-16.dgn



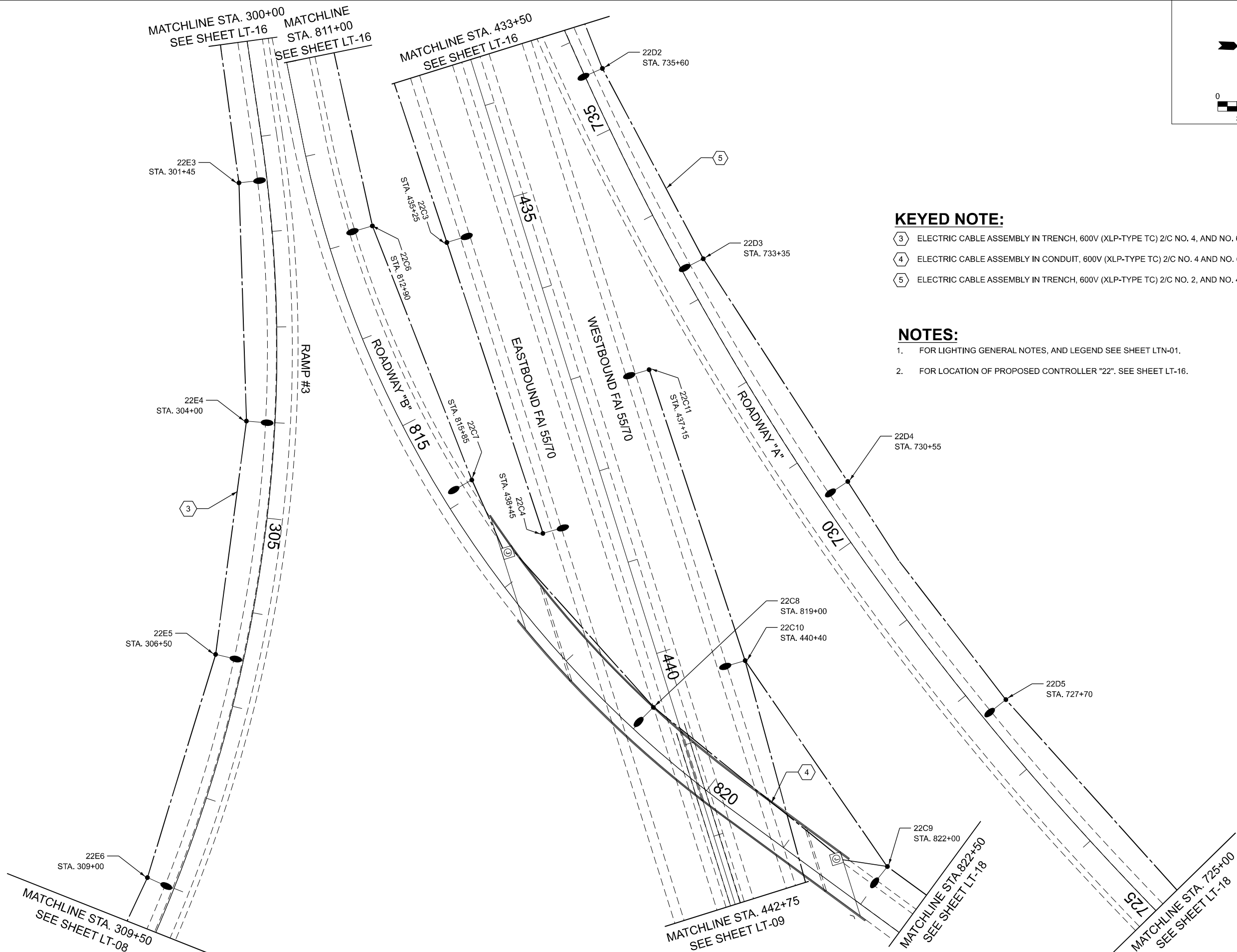
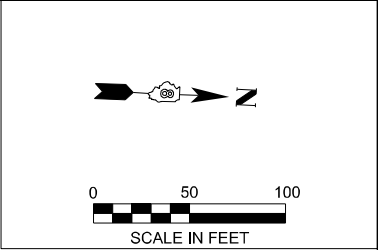
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PLOT SCALE = 100,000' / 1" =	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	23
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 4 ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 4 AND NO. 6
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

- 1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
- 2. FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.

LT-17

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Downers Grove, IL 60516

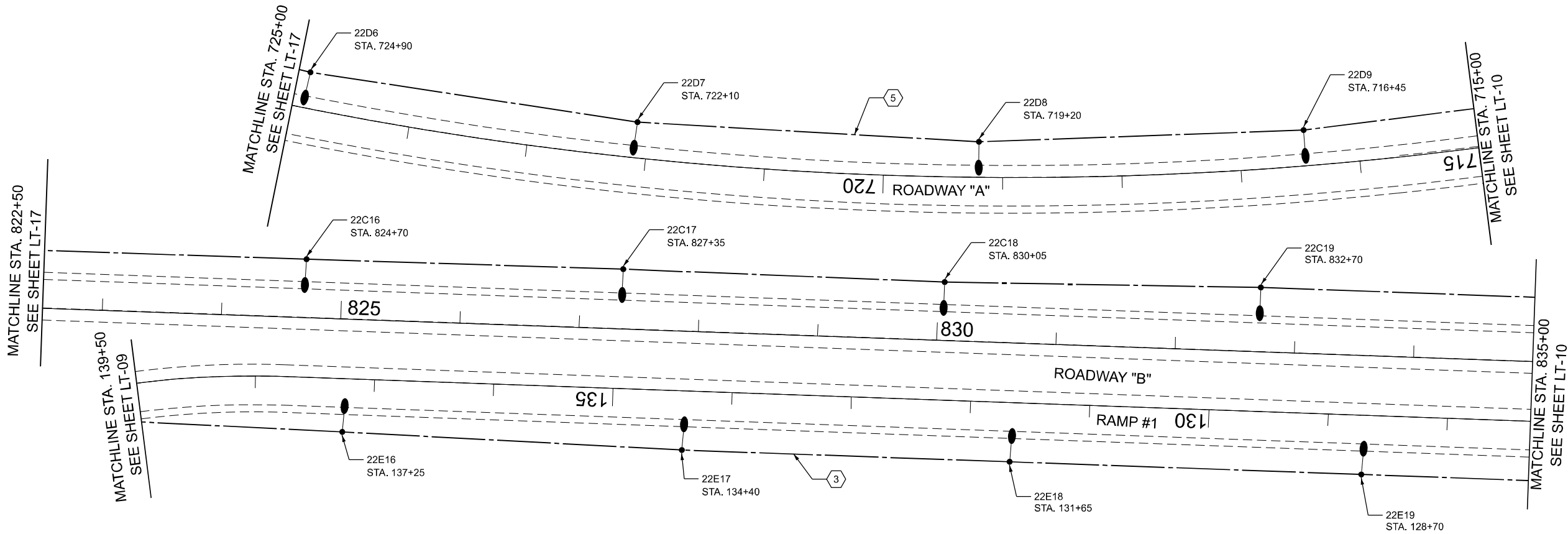
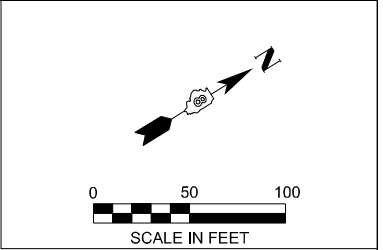
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PLOT SCALE	= 100,000' / in.	CHECKED	- MH	REVISED	-
PLOT DATE	= 2/14/2025	DATE	- 02-14-25	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	24
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
2. FOR LOCATION OF PROPOSED CONTROLLER "22". SEE SHEET LT-16.

LT-18

MODEL: Default
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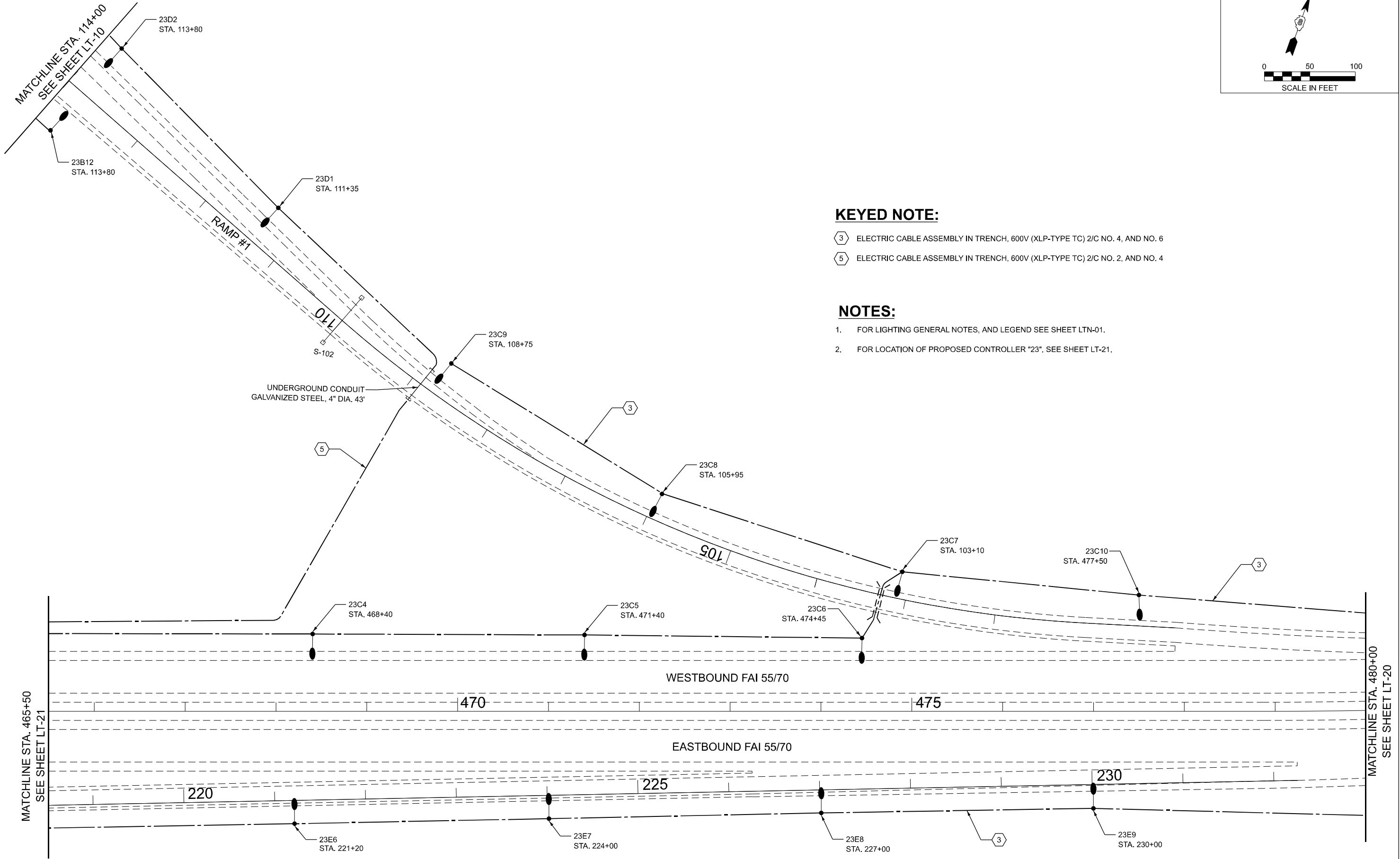
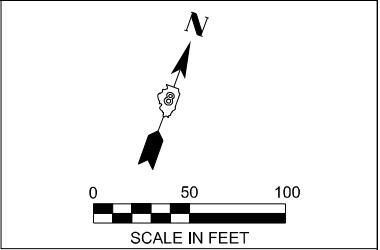
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PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	25
CONTRACT NO. 76774				
ILLINOIS FED. AID PROJECT				



KEYED NOTE:

- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6
- 5 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2, AND NO. 4

NOTES:

1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
2. FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.

LT-19

MODEL: Default
FILE NAME: F:\Projects\1077 - Var Phase I and or II - Delta\Design\Drawings\LT-19.dgn

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CONSULTING ENGINEERS
8330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
DRAWN - MD / SR	REVISIONS	
PLOT SCALE = 100,000' / 1" =	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

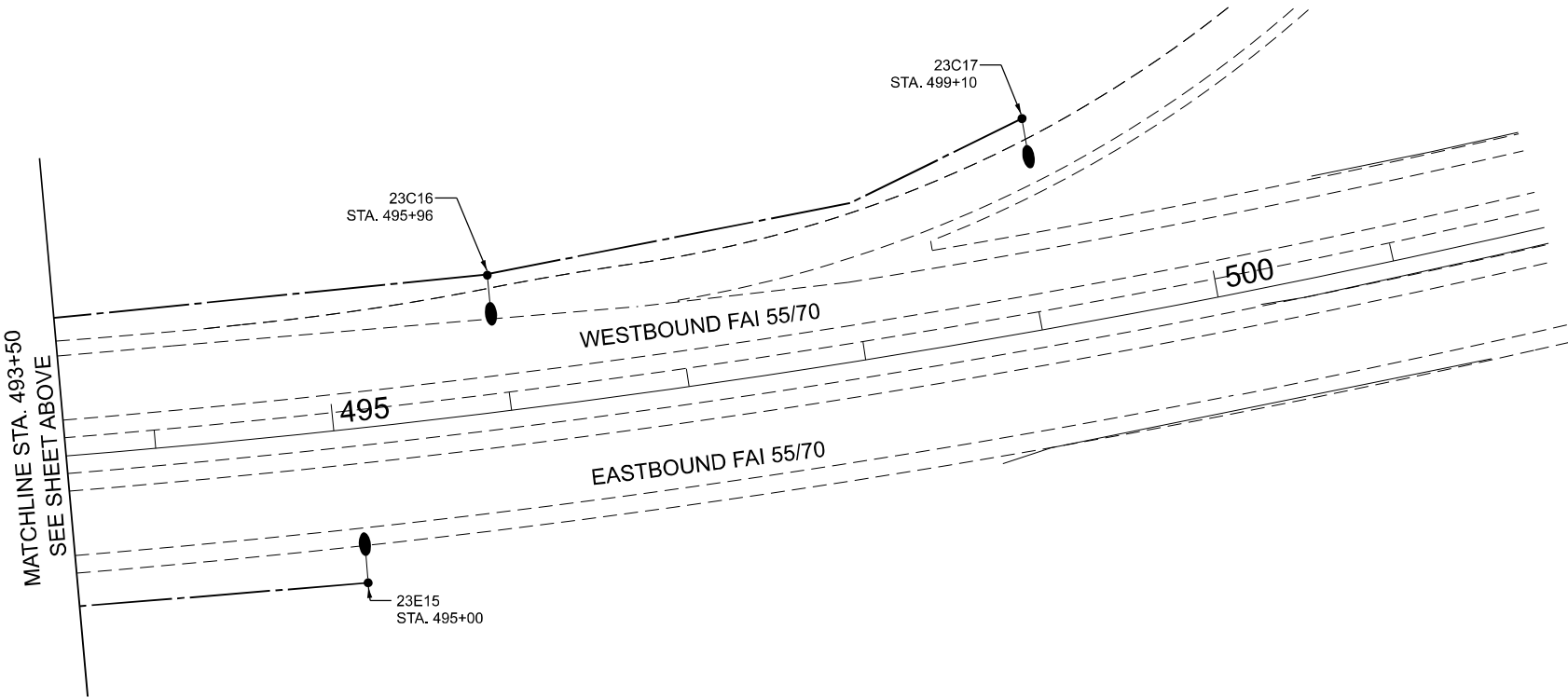
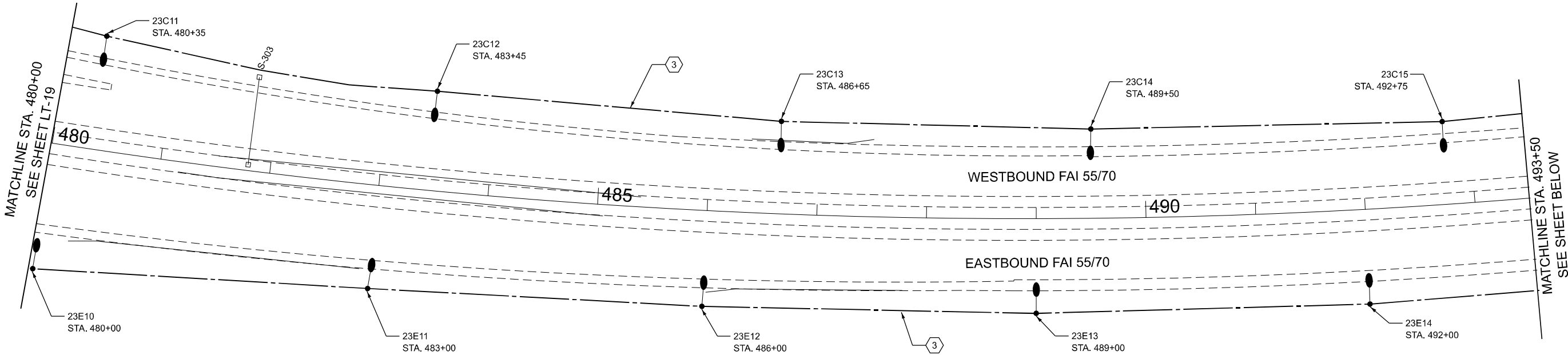
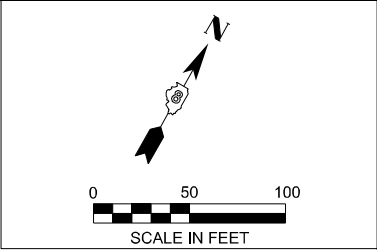
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	26
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

KEYED NOTE:

3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6

NOTES:

1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
2. FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.



NOTES:

1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.
2. FOR LOCATION OF PROPOSED CONTROLLER "23". SEE SHEET LT-21.

MODEL: Default
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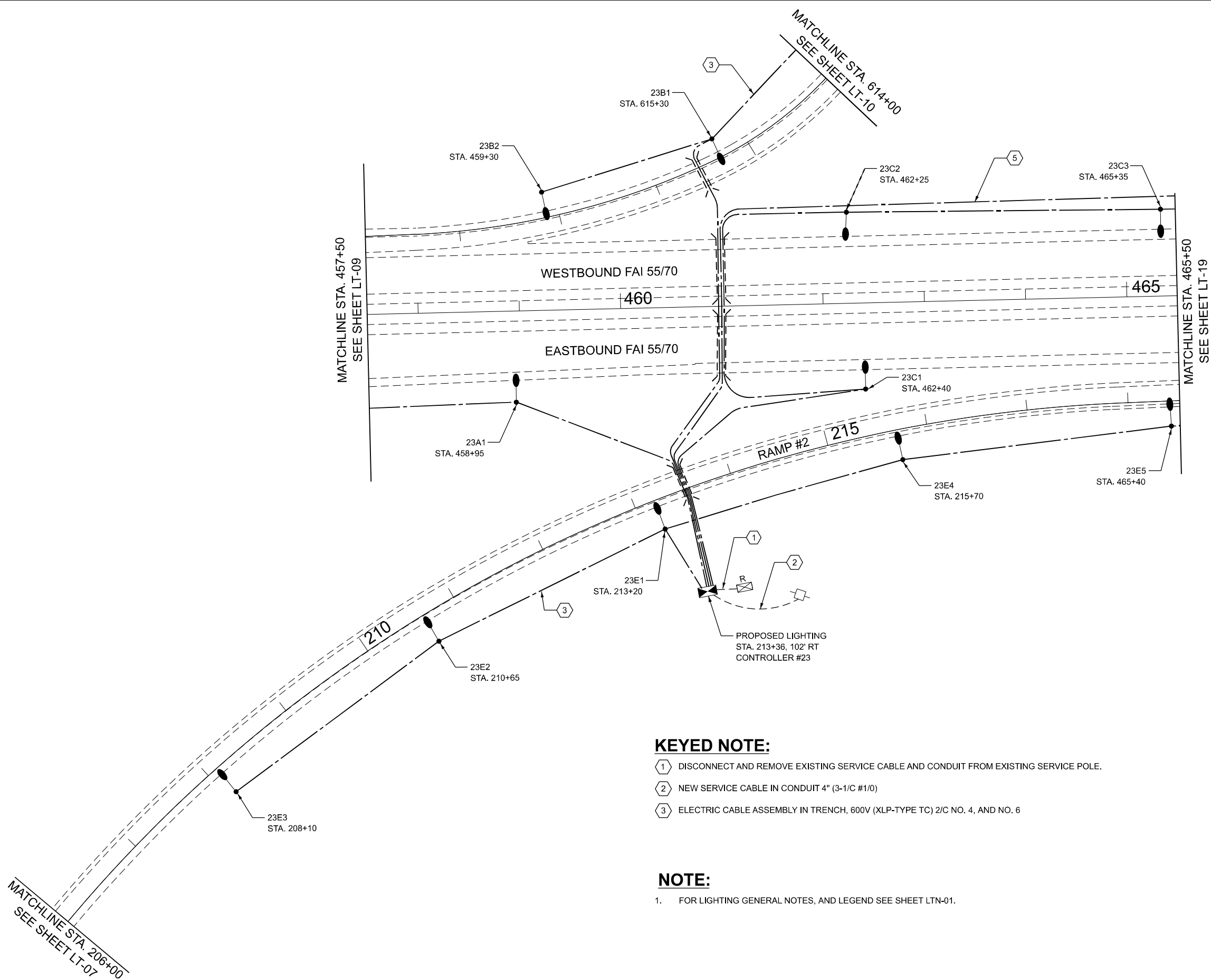
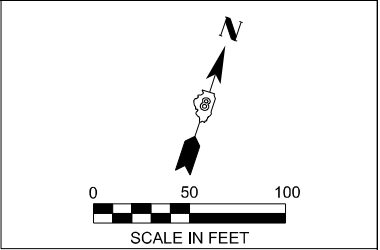
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DRAWN - MD / SR	REVISIONS	
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PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	27
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				



KEYED NOTE:

- 1 DISCONNECT AND REMOVE EXISTING SERVICE CABLE AND CONDUIT FROM EXISTING SERVICE POLE.
- 2 NEW SERVICE CABLE IN CONDUIT 4" (3-1/C #1/0)
- 3 ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4, AND NO. 6

NOTE:

- 1. FOR LIGHTING GENERAL NOTES, AND LEGEND SEE SHEET LTN-01.

USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
DRAWN - MD / SR	REVISIONS	
PLOT SCALE = 100,000' / 1" =	CHECKED - MH	REVISED -
PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	28
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

MODEL: CONTR20 (Sheet)
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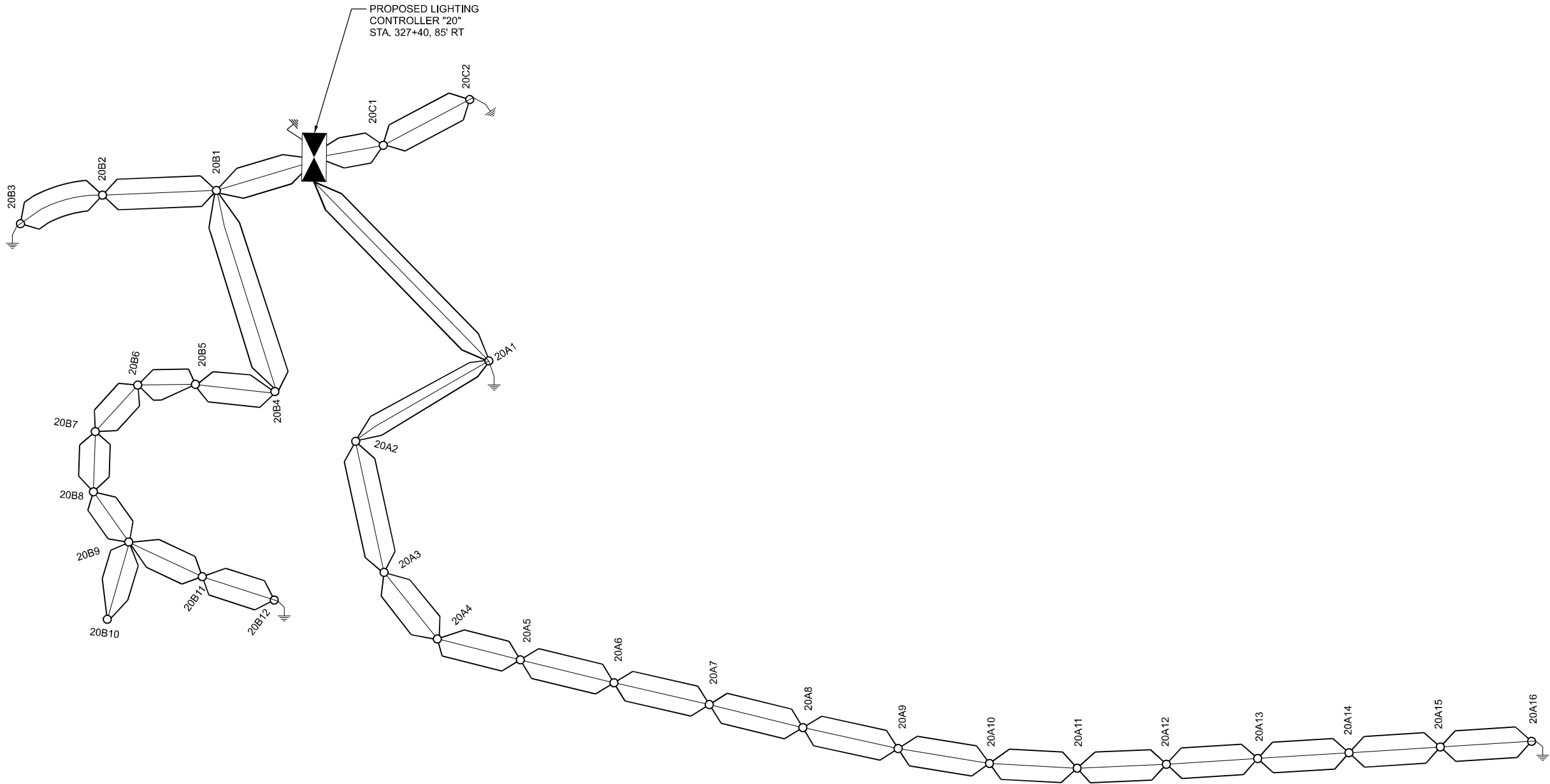
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PLOT DATE = 2/14/2025	DATE - 02-14-25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM
CONTROLLER #20

SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	29
CONTRACT NO. 76T74				
		ILLINOIS	FED. AID PROJECT	

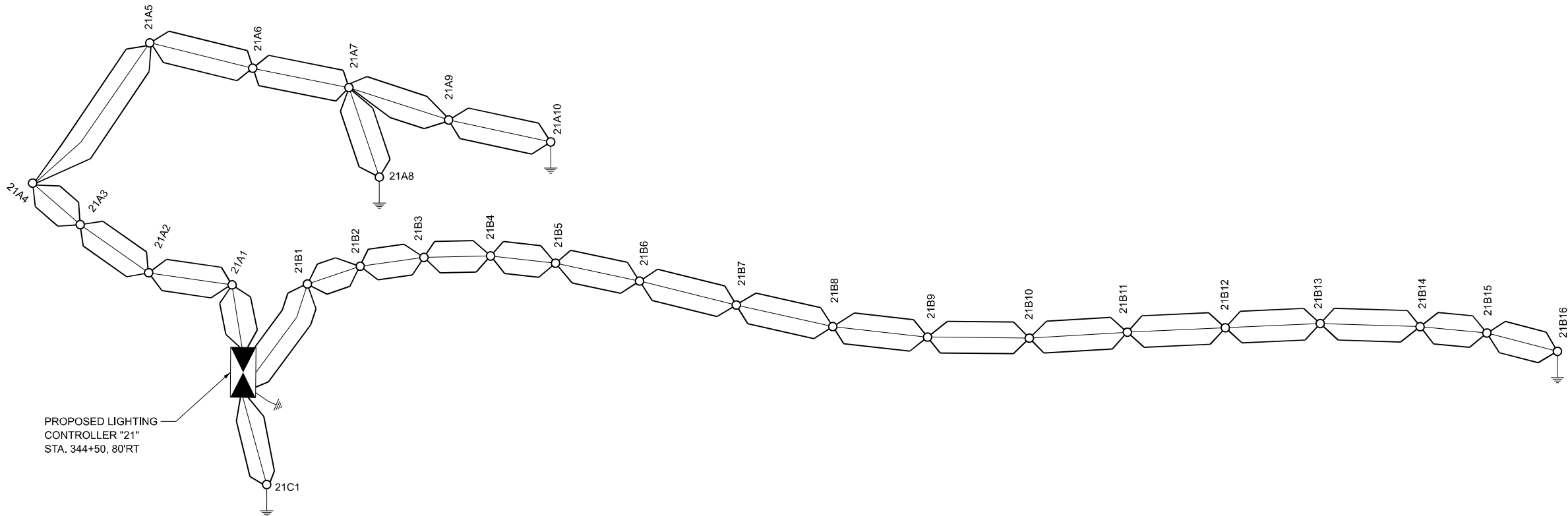


LEGEND

- PROPOSED LIGHTING CONTROLLER "20" , 480V, 1 PHASE, 3 WIRE
100 AMP, WITH 20A, 2 P BRANCH CIRCUIT BREAKERS, BASE MOUNTED
- ELECTRIC CABLE ASSEMBLY, 600V, 1/C NO.4
- PROPOSED LIGHTING UNIT WITH LUMINAIRE OUTPUT DESIGNATED H
- EXISTING GROUND ROD AT EACH POLE PER STANDARDS
- 1/C NO. 6 GROUND

LOAD TABLE LIGHTING CONTROLLER "20"
480V, A.C. 1 PHASE, 3 WIRE, 100A WITH 2P BRANCH CIRCUIT BREAKERS

CIRCUIT	TOTAL LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	16	11.84	5104
B	12	8.88	3828
C	2	1.48	638
D	SPARE	-	-
E	SPARE	-	-
TOTAL		22.2	9570



PROPOSED LIGHTING
CONTROLLER "21"
STA. 344+50, 80'RT

LEGEND



PROPOSED LIGHTING CONTROLLER "20", 480V, 1 PHASE, 3 WIRE
100 AMP, WITH 20A, 2 P BRANCH CIRCUIT BREAKERS, BASE MOUNTED

ELECTRIC CABLE ASSEMBLY, 600V, 1/C NO.4



PROPOSED LIGHTING UNIT WITH LUMINAIRE OUTPUT DESIGNATED H



EXISTING GROUND ROD AT EACH POLE PER STANDARDS

1/C NO. 6 GROUND

LOAD TABLE LIGHTING CONTROLLER "21"
480V, A.C. 1 PHASE, 3 WIRE, 100A WITH 2P BRANCH CIRCUIT BREAKERS

CIRCUIT	TOTAL LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	10	7.4	3190
B	16	11.84	5104
C	1	.74	319
D	SPARE	-	-
E	SPARE	-	-
TOTAL		19.98	8613

MODEL: CONTR21 [Sheet]
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		DRAWN	- MD / SR	REVISED	-
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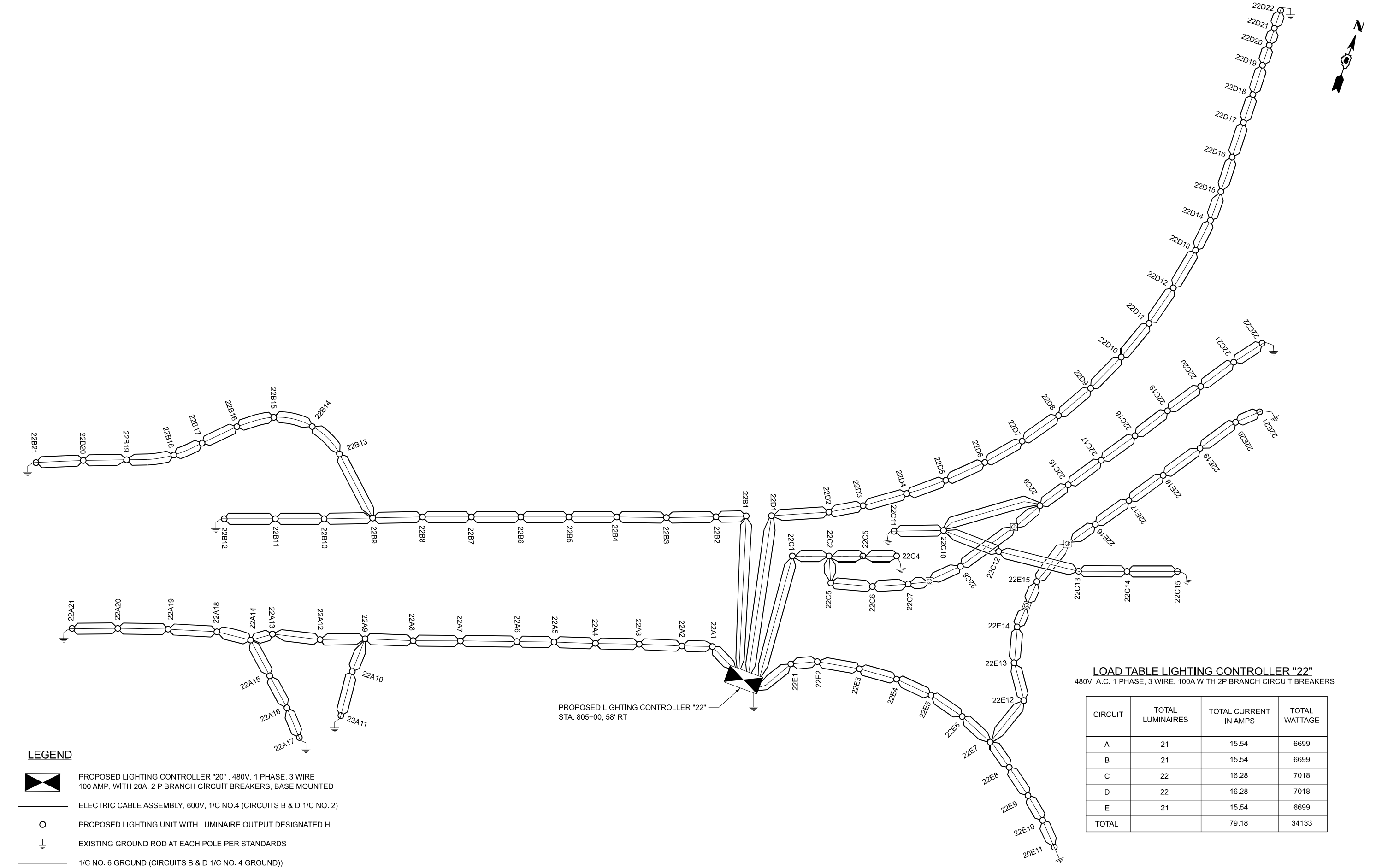
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM
CONTROLLER #21

SCALE: NONE SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	30
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

MODEL: CONTR22 (Sheet)
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USER NAME = Srahman
PLOT SCALE = 0.166666' / in.
PLOT DATE = 2/14/2025

DESIGNED - BL / KV
DRAWN - MD / SR
CHECKED - MH
DATE - 02-14-25

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM
CONTROLLER #22

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	31
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				



PROPOSED LIGHTING
CONTROLLER "23"
STA. 213+36, 102' RT

LEGEND



PROPOSED LIGHTING CONTROLLER "20" , 480V, 1 PHASE, 3 WIRE
100 AMP, WITH 20A, 2 P BRANCH CIRCUIT BREAKERS, BASE MOUNTED



ELECTRIC CABLE ASSEMBLY, 600V, 1/C NO.4 (CIRCUIT D 1/C NO. 2)



PROPOSED LIGHTING UNIT WITH LUMINAIRE OUTPUT DESIGNATED H



EXISTING GROUND ROD AT EACH POLE PER STANDARDS



1/C NO. 6 GROUND (CIRCUIT D 1/C NO. 4 GROUND)



LOAD TABLE LIGHTING CONTROLLER "23"

480V, A.C. 1 PHASE, 3 WIRE, 100A WITH 2P BRANCH CIRCUIT BREAKERS

CIRCUIT	TOTAL LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	25	18.5	7975
B	23	17.02	7337
C	17	12.58	5423
D	16	11.84	5104
E	15	11.10	4785
F	SPARE	-	-
G	SPARE	-	-
TOTAL		59.94	30624



USER NAME	= Srahman	DESIGNED	- BL / KV	REVISED	-
		DRAWN	- MD / SR	REVISED	-
PLOT SCALE	= 0.166666" / in.	CHECKED	- MH	REVISED	-
PLOT DATE	= 2/14/2025	DATE	- 02-14-25	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM
CONTROLLER #23

SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	32
CONTRACT NO. 76T74				
ILLINOIS FED. AID PROJECT				

LT-25

MODEL: CONT 25 [Sheet]
FILE NAME: F:\Projects\107 - Var Phase I and or II - Delta Design\SHD67674\WIRING DIAGRAM SHEET.dgn



USER NAME	= Srahman	DESIGNED -	BL / KV	REVISED -
		DRAWN -	MD / SR	REVISED -
PLOT SCALE	= 0.166666 ' / in.	CHECKED -	MH	REVISED -
PLOT DATE	= 2/14/2025	DATE -	02-14-25	REVISED -

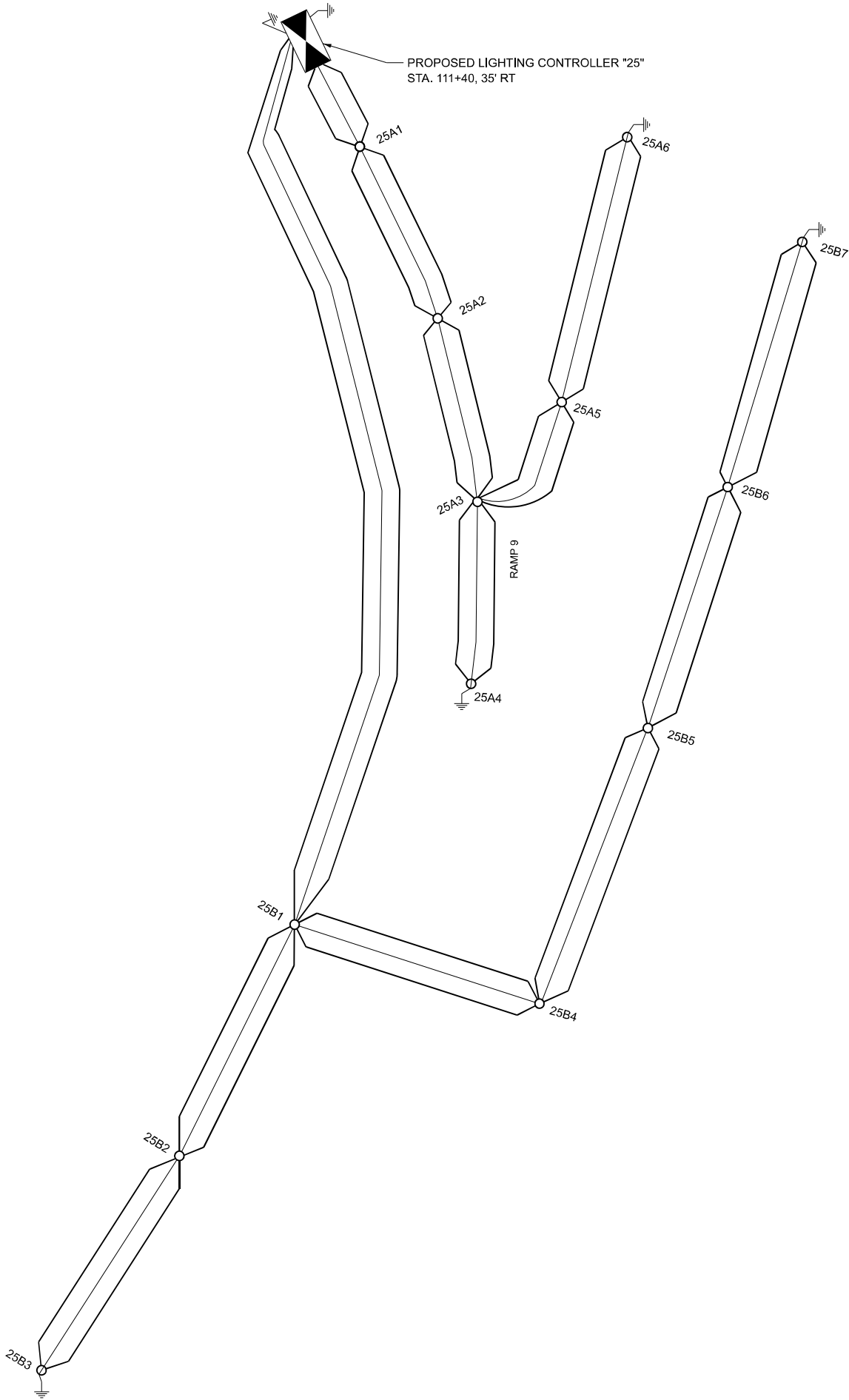
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM
CONTROLLER #25

SCALE: NONE SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	60 - 7L	MADISON	34	33
		CONTRACT NO. 76T74		
		ILLINOIS	FED. AID PROJECT	

- LEGEND**
-  PROPOSED LIGHTING CONTROLLER "25", 480V, 1 PHASE, 3 WIRE
100 AMP, WITH 20A, 2 P BRANCH CIRCUIT BREAKERS, BASE MOUNTED
 -  ELECTRIC CABLE ASSEMBLY, 600V, 1/C NO.6
 -  PROPOSED LIGHTING UNIT WITH LUMINAIRE OUTPUT DESIGNATED H
 -  EXISTING GROUND ROD AT EACH POLE PER STANDARDS
 -  1/C NO. 8 GROUND



LOAD TABLE LIGHTING CONTROLLER "25"
480V, A.C. 1 PHASE, 3 WIRE, 100A WITH 2P BRANCH CIRCUIT BREAKERS

CIRCUIT	TOTAL LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	6	4.44	1914
B	7	5.18	2233
C	SPARE	-	-
D	SPARE	-	-
TOTAL	13	9.62	4147





Project

Date	Contract Number	Section Number	County
02/04/25	76T74	60-7L	Madison
Marked Route Number		Municipality	
I-255 AND I-55/70		COLLINSVILLE	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
12 FT	4	N/A	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminares (Highmast & Sign Lighting Only)
50 FT	15 FT	20 FT	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution	
ROADWAY, OUTPUT DESIGNATION H	TYPE II OR TYPE III	MEDIUM	
Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U=0	N/A	N/A

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
275 FT	1 SIDED

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}		
0.9	3		
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}
0.6	3.5	6.0:1	0.3:1

Light Tresspass

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

- Set-Back is from Edge of Pavement (white line) except for sign luminares when it is vertical and horizontal distance from the sign to the luminaire.
- Lighting calculations shall be performed with all luminares oriented toward and perpendicular to the roadway.
- Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

Compliance with performance criteria shall be held to one significant digit.