

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA
POPLAR ST. BRIDGE 67,300
I-55 /70 /64 58,100 TO 105,300
POSTED SPEED LIMIT
POPLAR ST. BRIDGE I-55/70 50 MPH
I-55/70 TO IL 203 55 MPH
FUNCTIONAL CLASSIFICATION:
INTERSTATE

MUNICIPALITY:
CITY OF EAST ST. LOUIS

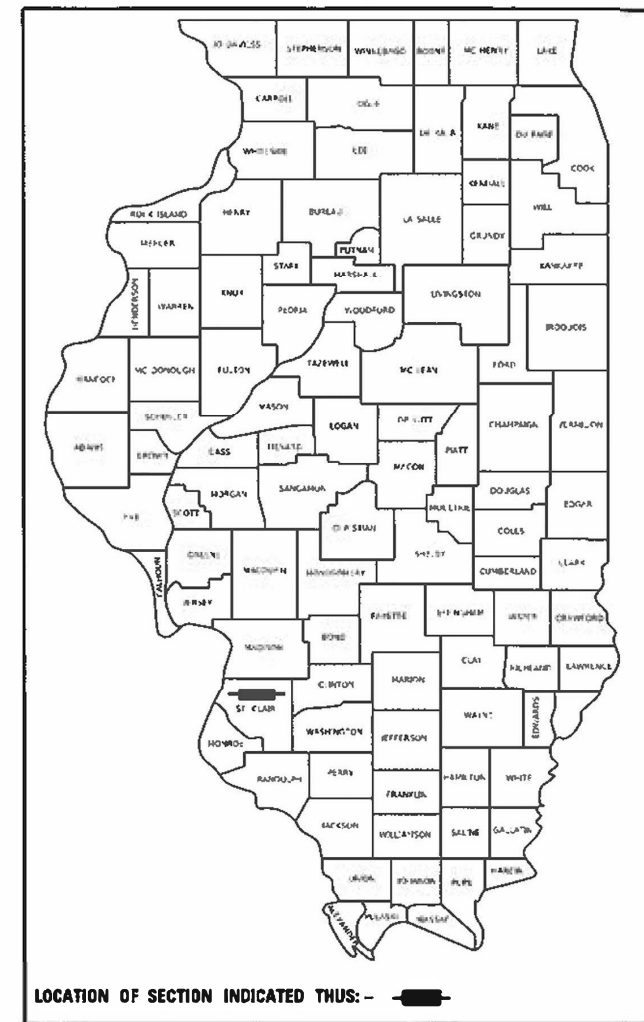
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAI 70 (I-55 /70 /64)
I-55/64 AND I-55/70
FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE
SECTION 82-3, 4HL-4
PROJECT HSIP-ZVSK (274)
HIGH MAST LIGHT TOWER AND SIGNAGE REPLACEMENT
ST. CLAIR COUNTY

FAI RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	1
		ILLINOIS	CONTRACT NO. 76M86	

D-98-013-20



I-55 /64 STA. 62 + 00
END IMPROVEMENT

I-55 /64 STA. 80 + 00
BEGIN IMPROVEMENT

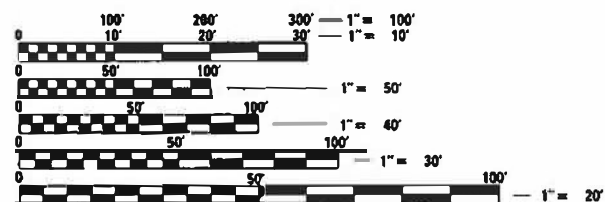


EAST ST. LOUIS
TOWNSHIP

LOCATION MAP
(NOT TO SCALE)

I-55 /70 STA. 89 + 00
END IMPROVEMENT

I-55 /70 STA. 80 + 00
BEGIN IMPROVEMENT



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: RICHARD BARBEE
PROJECT MANAGER: CHERYL KEPLAR
ELECTRICAL SERVICES SUPERVISOR: KENNETH DAVIS
CONTRACT NO. 76M86

PROJECT LENGTH:
GROSS LENGTH = 16,300 FT = 3.09 MILES
NET LENGTH = 16,300 FT = 3.09 MILES

PROFESSIONAL ENGINEER'S SIGN & SEAL
FOR SHEETS: 1-41, 73-81
BRENDA D LOWERY, P.E.
EXPIRES 11-30-2023

PROFESSIONAL ENGINEER'S SIGN & SEAL
FOR SHEETS: 48-72
EMILYA A. DRUCKREY, P.E.
EXPIRES 11-30-2023

PROFESSIONAL ENGINEER'S SIGN & SEAL
FOR SHEETS: 42-47
GARY BAKER, P.E.
EXPIRES 11-30-2023

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED MARCH 21, 2023
[Signature] REGIONAL ENGINEER
May 12, 2023 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
May 12, 2023 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

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- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
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- 720006-04 SIGN PANEL ERECTION DETAILS
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GENERAL NOTES

- 1. NOTIFICATION SHALL BE MADE TO THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL EMERGENCY SERVICE, PUBLIC WORKS DEPARTMENTS AND OTHER AGENCIES AFFECTED BY THE CONTRACTOR'S WORK. ANY NOTIFICATION TO ANY AGENCY MUST BE MADE THROUGH THE CONSTRUCTION MANAGER.
- 2. ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THIS PROJECT AREA. ARE AS FOLLOWS:
 - AMEREN ILLINOIS ELECTRIC
 - AT&T
 - BI-STATE DEVELOPMENT AGENCY
 - CHARTER/SPECTRUM COMM
 - CITY OF EAST ST. LOUIS
 - CLEARWAVE COMMUNICATIONS
 - IL AMERICAN WATER EAST ST. LOUIS
 - LEVEL 3 (CENTURYLINK)
 - MCI/VERIZON
 - MEDIACOM
 - SPIRE NGL INC
 - STAKE CENER LOCATING
 - USIC LOCATING SERVICES
 - WINDSTREAM KDL/MCLEOD USA
 - ZAYO FIBER SOLUTIONS
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 4. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 5. 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.
- 6. 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.
- 7. A FULL SURVEY WAS NOT PERFORMED AND THE PLANS WERE CREATED USING MICROFILM, FIELD MEASUREMENTS AND SUPPLEMENTAL SURVEY.

REV. - MS

GN-01

MODEL: 4400BELNAMES
FILE: 4400BELNAMES.dwg

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

USER NAME = mdeitch	DESIGNED - BL	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = 2.0001' / in.	CHECKED - MH	REVISED -
PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	2
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

LIGHT TOWER REMOVAL SCHEDULE

TOWER NO.	CONTROLLER	SHEET NO.
ML-1	1	LT-01
ML-2	1	LT-02
ML-3	1	LT-02
ML-4	2	LT-03
ML-5	2	LT-03
ML-6	3	LT-03
ML-7	3	LT-03
ML-8	3	LT-04
ML-9	3	LT-04
ML-10	3	LT-04
ML-11	3	LT-04
ML-12	4	LT-05
ML-13	4	LT-05
ML-14	4	LT-05
ML-15	4	LT-05
ML-16	4	LT-05
ML-17	4	LT-06
LT2	200A at MLK	LT-06
LT3	200A at MLK	LT-07
LT4	200A at MLK	LT-07
LT5	200A at MLK	LT-07
LT6	200A at MLK	LT-07
LT7	200A at MLK	LT-07
LT8	200A at MLK	LT-07
LT9	200A at MLK	LT-07
LT10	200A at MLK	LT-08
LT11	200A at MLK	LT-08
LT12	200A at MLK	LT-08
LT13	200A at MLK	LT-08
LT14	200A at MLK	LT-08
LT15	200A at MLK	LT-09
LT16	200A at MLK	LT-09
LT17	200A at MLK	LT-09
BO-2	100A at Raceway Blvd.	LT-11
BO-3	100A at Raceway Blvd.	LT-12
RS-2	5	LT-13
RS-1	5	LT-13
TP-2	6	LT-14
TP-1	6	LT-14
TP-4	6	LT-15
TP-3	6	LT-15

PROPOSED LIGHT TOWER SCHEDULE

TOWER NO.	CONTROLLER	TOWER HEIGHT	FOUNDATION DEPTH (ft)	NO. OF LUMINAIRES	NORTHING	EASTING	SHEET NO.
1-B1	1	130	21.5	3	14035460.33	2447034.28	LT-16
1-B2	1	130	21.5	3	14035369.68	2447436.56	LT-16
1-B3	1	130	21.5	3	14035374.20	2447892.79	LT-16
1-A1	1	130	21.5	3	14035225.93	2447117.89	LT-16
1-A2	1	130	21.5	6	14035046.33	2447900.62	LT-16
2-A1	2	160	24	4	14035188.48	2448184.15	LT-16
2-A2	2	160	24	6	14035072.96	2448559.02	LT-17
2-B1	2	140	22	3	14035503.81	2448971.67	LT-17
2-B2	2	160	24	3	14035767.26	2449232.39	LT-17
2-B3	2	160	24	2	14035448.66	2449450.87	LT-17
2-B4	2	160	24	3	14035192.10	2449346.04	LT-17
3-A1	3	100	22.5	4	14036200.91	2449693.44	LT-18
3-A2	3	100	22.5	6	14037000.10	2449887.69	LT-18
3-A3	3	100	18.5	8	14036108.83	2449911.96	LT-18
3-A4	3	100	22.5	8	14036563.78	2450025.61	LT-18
4-B2	4	110	16	2	14037677.39	2449883.62	LT-19
4-B1	4	100	18.5	3	14038179.10	2450179.25	LT-19
4-C2	4	100	16.5	4	14037276.49	2450264.56	LT-19
4-C1	4	100	18.5	3	14037673.77	2450221.34	LT-19
4-A1	4	100	18.5	6	14039011.21	2450326.33	LT-20
4-A2	4	100	13.5	2	14039281.57	2450347.40	LT-20
5A-C5	5A	100	*	6	14039561.00	2450543.77	LT-20
5A-B5	5A	100	13.5	6	14040272.59	2451112.63	LT-21
5A-C4	5A	100	15.5	8	14039930.84	2451130.54	LT-21
5A-C3	5A	130	18	3	14040129.45	2451560.67	LT-21
5A-C2	5A	100	16.5	4	14040225.36	2451913.14	LT-21
5A-B4	5A	100	18.5	4	14040489.30	2452188.82	LT-21
5A-D2	5A	100	18.5	3	14039825.88	2451595.47	LT-21
5A-C1	5A	120	20.5	2	14040043.49	2452056.52	LT-21
5A-D1	5A	100	18.5	3	14040108.03	2452395.47	LT-21
5A-B2	5A	100	18.5	4	14040603.40	2452528.27	LT-22
5A-B3	5A	100	18.5	3	14040702.25	2452799.41	LT-22
5A-B1	5A	120	20.5	3	14040276.53	2452738.36	LT-22
5A-A1	5A	100	18.5	2	14040697.76	2453319.34	LT-22
5A-A2	5A	100	18.5	3	14040892.68	2453591.81	LT-22
5A-A5	5A	100	15.5	3	14041521.53	2454165.26	LT-23
5A-A3	5A	100	18.5	3	14041139.53	2453986.02	LT-23
5A-A4	5A	100	18.5	4	14041537.68	2454517.90	LT-23
5A-A6	5A	100	18.5	3	14041776.19	2454841.51	LT-24
5A-A7	5A	100	15.5	3	14041557.79	2454942.96	LT-24
6-A1	6	100	18.5	5	14043615.38	2458136.61	LT-25
6-B1	6	100	22.5	5	14043785.71	2458486.13	LT-25
6-C1	6	100	18.5	5	14044195.86	2458515.26	LT-26
2-A4	2	120	25	2	14034353.38	2448422.95	LT-27
2-A3	2	140	27.5	3	14034353.38	2448437.88	LT-27
3-A6	3	130	18	2	14035102.36	2450281.97	LT-28
3-A5	3	160	24	3	14035423.37	2450194.76	LT-28

* EXISTING TOWER WITH NEW LED LUMINAIRES (NO NEW FOUNDATION)

CONTROLLER REMOVAL

CONTROLLER	SHEET NO.
1	LT-02
2	LT-03
3	LT-04
4	LT-06
200A at MLK	LT-08
100A at Raceway	LT-11
6	LT-14

PROPOSED CONTROLLER

CONTROLLER	SHEET NO.
1	LT-16
2	LT-17
3	LT-18
4	LT-20
5A	LT-22
6	LT-25

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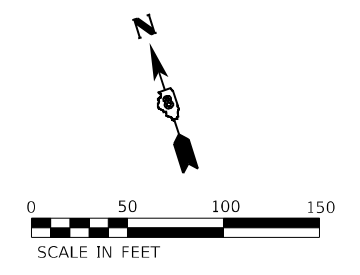
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING EQUIPMENT SCHEDULES
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M86	

LTS-01

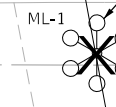


ACCESS RD.
SEE NOTE 3

BEGIN IMPROVEMENT
I-55/64
STA. 80+00

POPLAR STREET BRIDGE
135+00

EXISTING HIGH MAST LIGHT
TOWER TO BE REMOVED



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.
3. TO ACCESS THIS HIGH MAST LIGHT TOWER THE CONTRACTOR SHALL ENTER THE ACCESS ROAD OFF FRONT ST. BY TURNING RIGHT APPROXIMATELY 810 FT. SOUTH OF EADS BRIDGE.
4. THE CONTRACTOR SHALL SUBMIT A METRO EAST SANITARY DISTRICT (MESD) RIGHT OF ENTRY PERMIT APPLICATION AT LEAST A WEEK PRIOR TO THE DATE REQUIRING ENTRY TO THIS ACCESS ROAD. THE APPLICATION CAN BE FOUND ON MESD WEBSITE.

SEE SHEET LT-02

LT-01

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

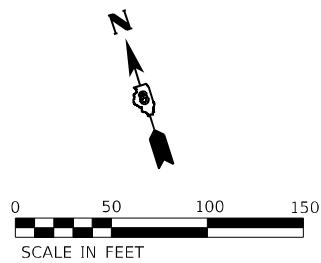
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	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	7
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

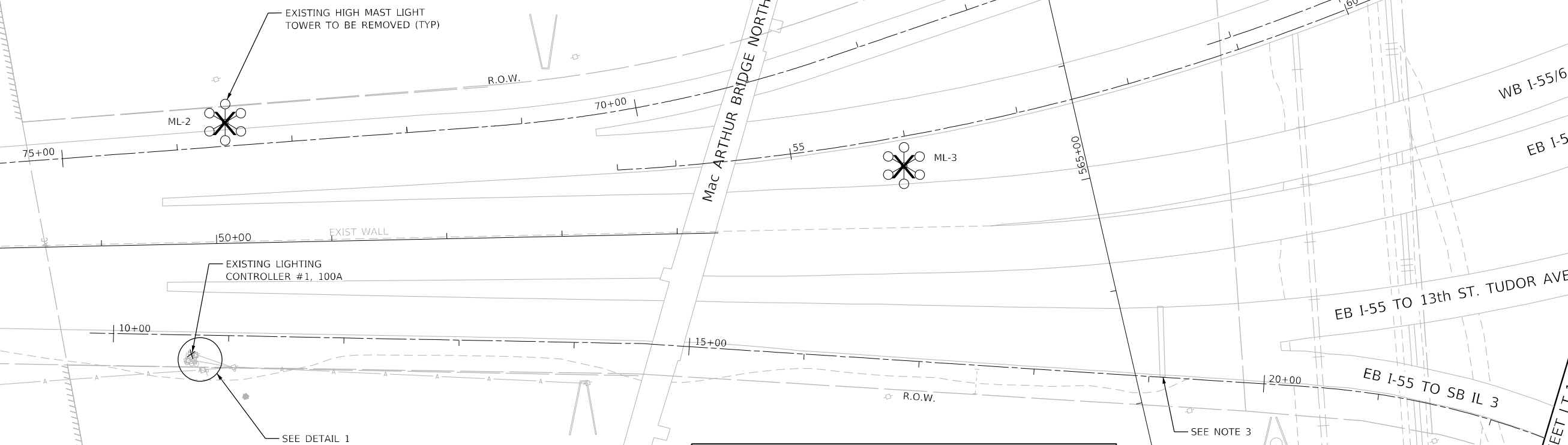


SEE SHEET LT-01

SEE SHEET LT-03

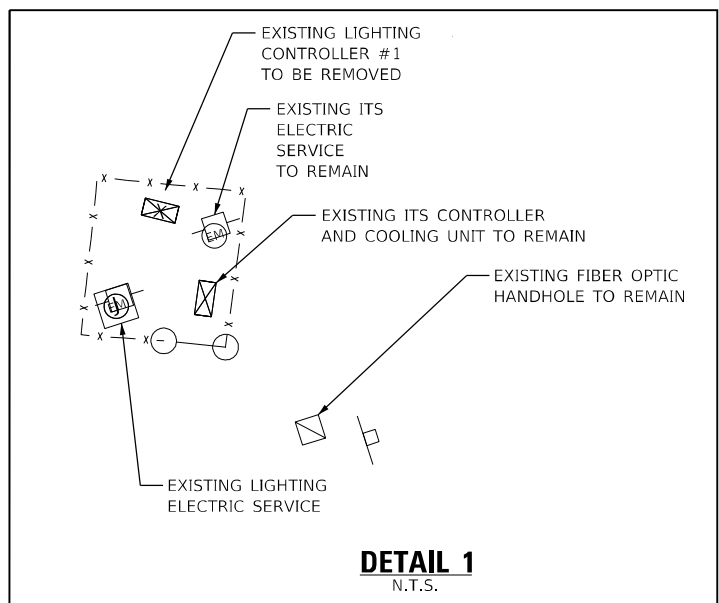
SEE SHEET LT-13

SEE SHEET LT-13



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.
3. EXISTING CONDUIT AND JUNCTION BOX ATTACHED TO STRUCTURE BELOW SIGN STRUCTURE SHALL BE REMOVED.



DETAIL 1
N.T.S.

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

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PLOT SCALE = 100,0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

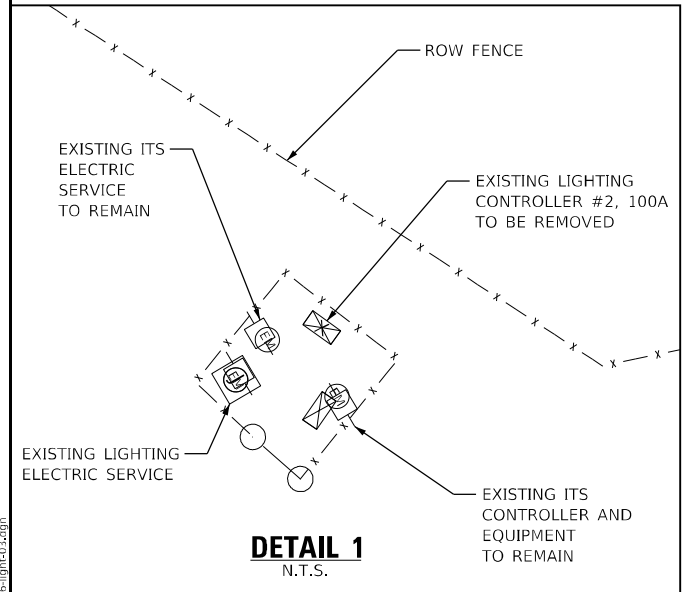
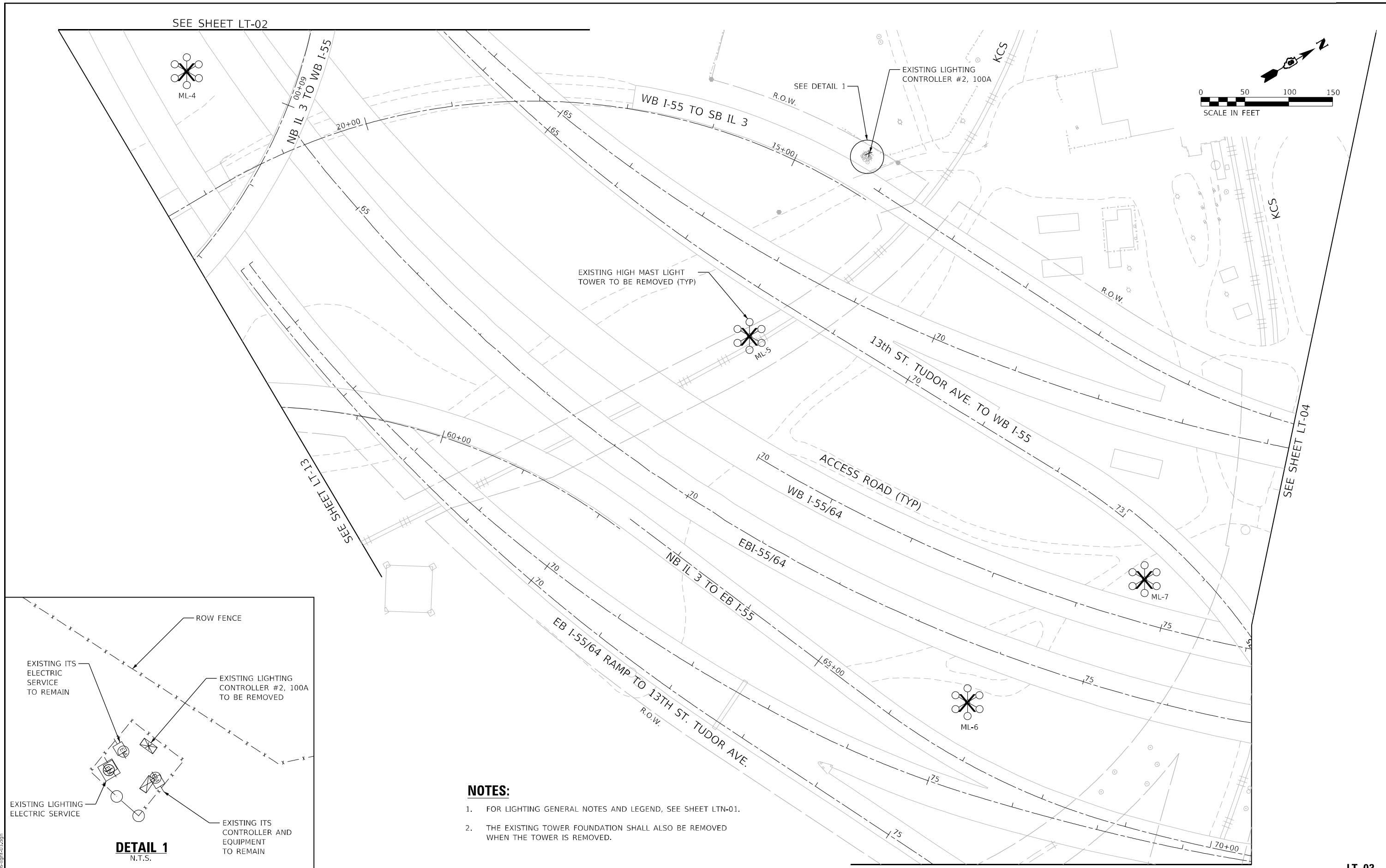
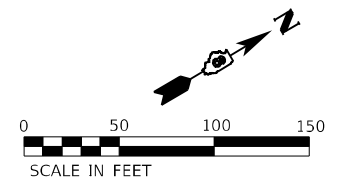
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	8
CONTRACT NO. 76M86				

ILLINOIS FED. AID PROJECT

LT-02

SEE SHEET LT-02



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

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Downers Grove, IL 60516

USER NAME = mdelkche
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DRAWN - MD
CHECKED - MH
DATE - 03-03-2023

REVISER -
REVISION -
REVISION -
REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

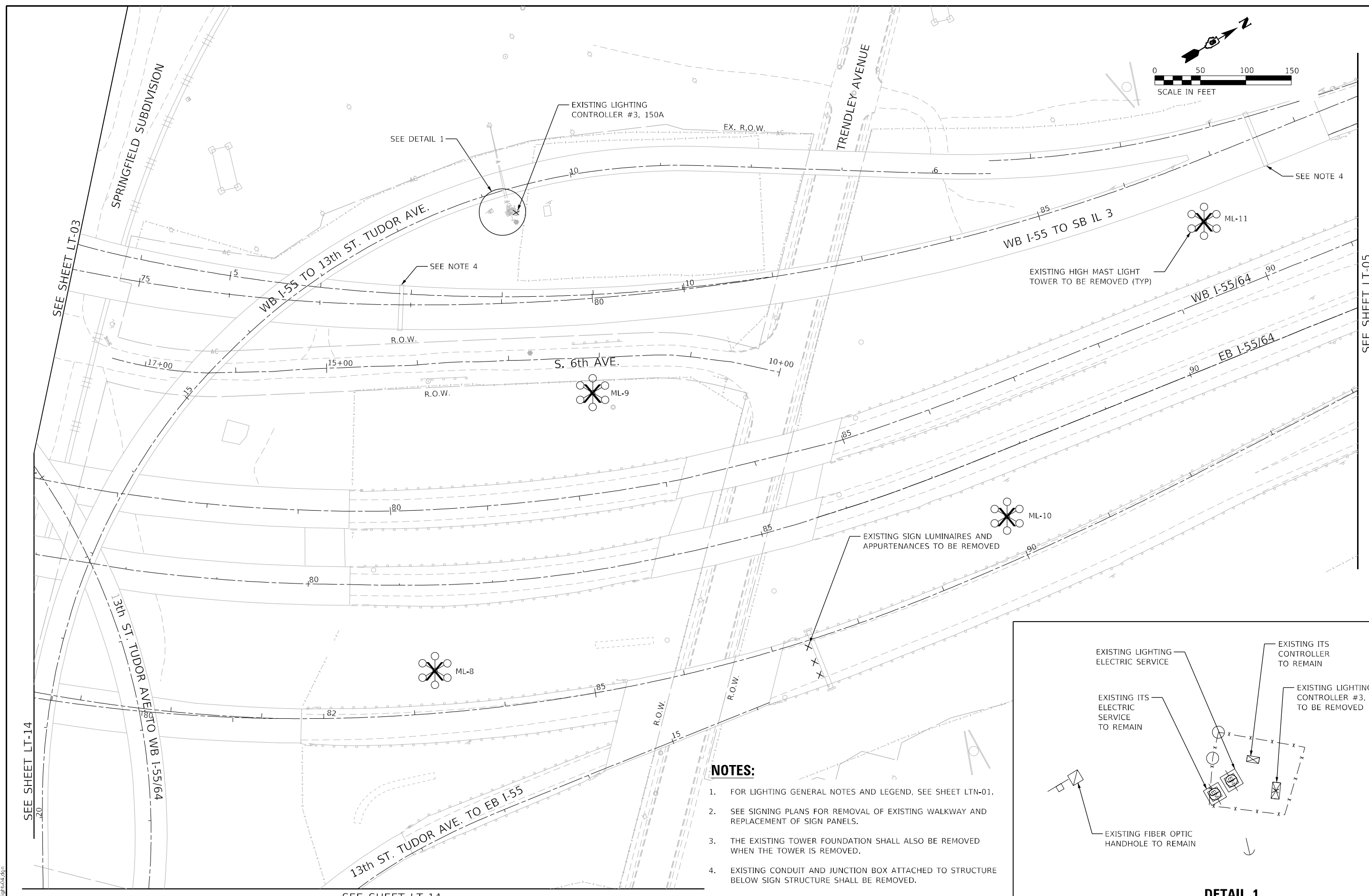
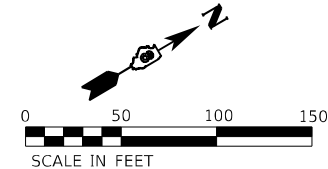
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	9
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

LT-03

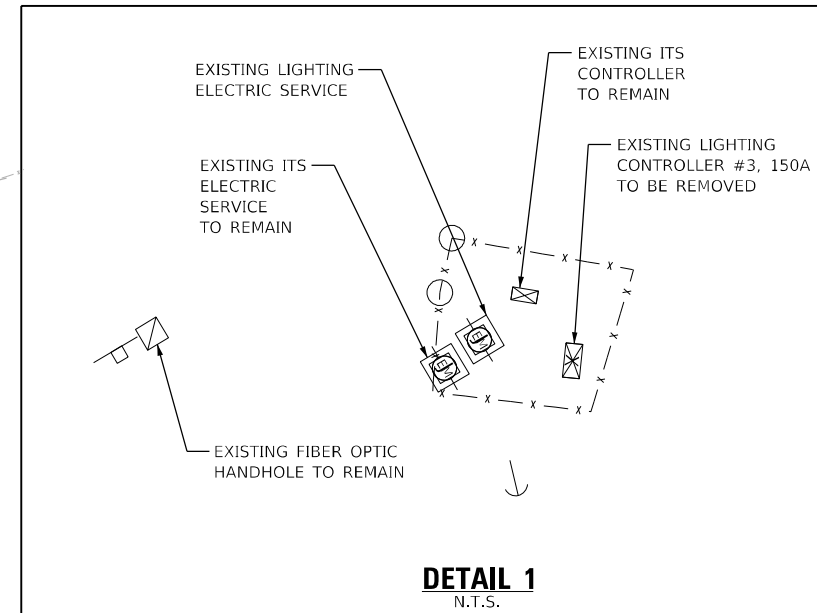
SEE SHEET LT-14

SEE SHEET LT-04



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. SEE SIGNING PLANS FOR REMOVAL OF EXISTING WALKWAY AND REPLACEMENT OF SIGN PANELS.
3. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.
4. EXISTING CONDUIT AND JUNCTION BOX ATTACHED TO STRUCTURE BELOW SIGN STRUCTURE SHALL BE REMOVED.



DETAIL 1
N.T.S.

LT-04

MODEL: 6MODELS\AMES
FILE NAME: D856864.dwg

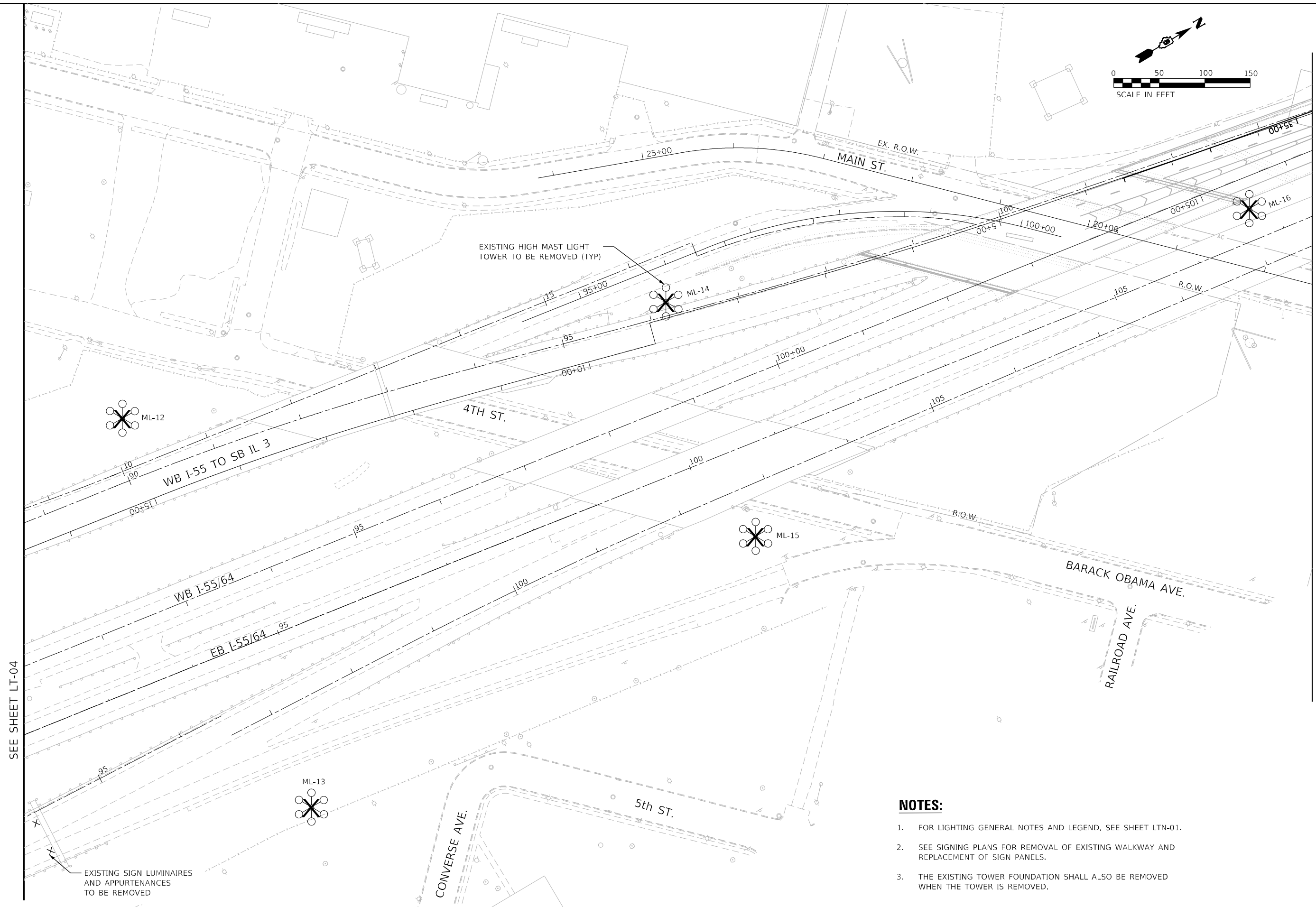
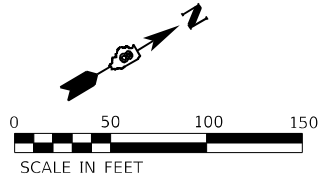
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = mdlctche	DESIGNED - BL	REVISED -
	PLOT SCALE = 100.5191' / in.	DRAWN - MD	REVISED -
	PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
		DATE - 03-03-2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL LIGHTING PLAN
I-55/064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	10
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



SEE SHEET LT-04

SEE SHEET LT-06

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. SEE SIGNING PLANS FOR REMOVAL OF EXISTING WALKWAY AND REPLACEMENT OF SIGN PANELS.
3. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

EXISTING SIGN LUMINAIRES AND APPURTENANCES TO BE REMOVED

MODEL: I:\MODEL\NAME FILE: NAME: 021256511p1-05.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

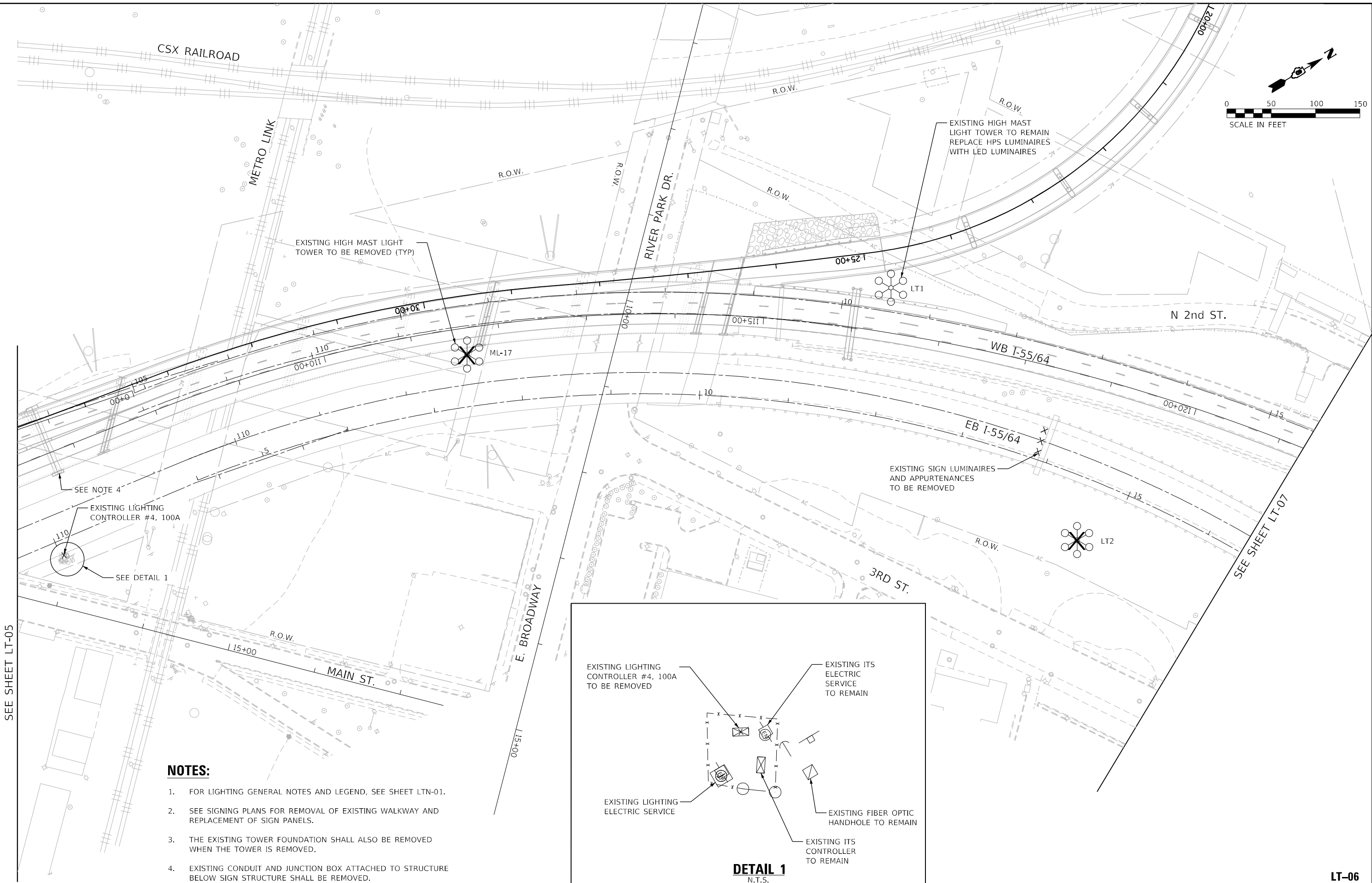
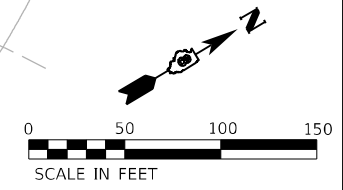
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
 I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
 I-64 (TRI-LEVEL) INTERCHANGE**

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

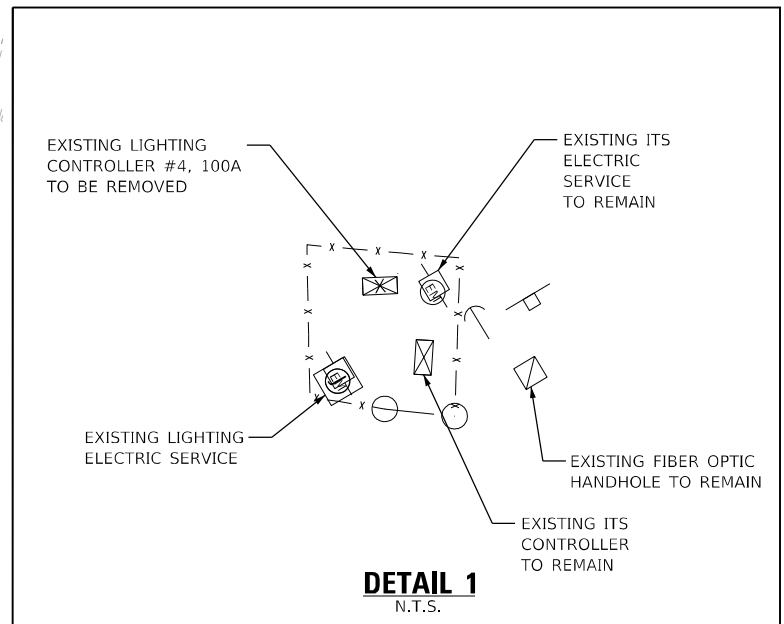
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	11
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				

LT-05



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. SEE SIGNING PLANS FOR REMOVAL OF EXISTING WALKWAY AND REPLACEMENT OF SIGN PANELS.
3. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.
4. EXISTING CONDUIT AND JUNCTION BOX ATTACHED TO STRUCTURE BELOW SIGN STRUCTURE SHALL BE REMOVED.



SEE SHEET LT-05

SEE SHEET LT-07

MODEL: I:\MODEL\NAME: FILE: NAME: 021525light-05.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

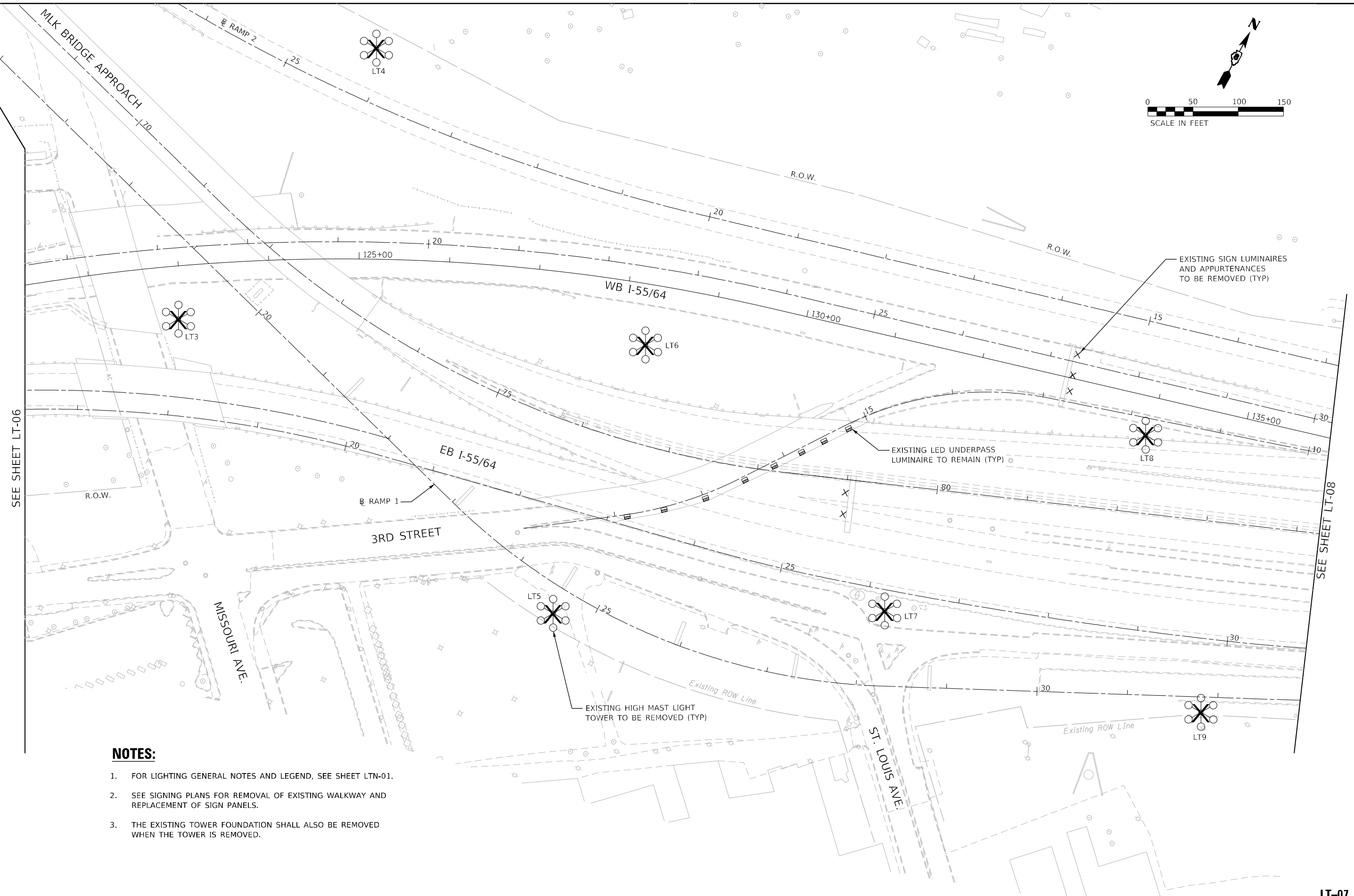
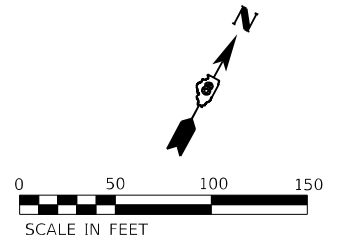
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	12
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

LT-06



SEE SHEET LT-06

SEE SHEET LT-08

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. SEE SIGNING PLANS FOR REMOVAL OF EXISTING WALKWAY AND REPLACEMENT OF SIGN PANELS.
3. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

MODEL: I:\MODEL\NAME FILE: NAME: 02125651p10-07.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
DRAWN - MD	REVISOR -	
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PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

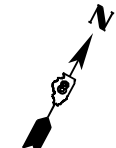
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	13
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				

LT-07

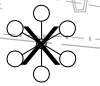


CSX

EXISTING HIGH MAST LIGHT TOWER TO BE REMOVED (TYP)



LT10



LT12

EXISTING SIGN LUMINAIRES AND APPURTENANCES TO BE REMOVED



LT14

R.O.W.

0+00

RAMP 2

145+00

WB I-55/64

WB MLK BRIDGE APPROACH

EB MLK BRIDGE APPROACH

EB I-55/64

SEE SHEET LT-07

SEE SHEET LT-09

140+00

35

40

85

35

40

40

Ramp 1



LT13

Existing ROW Line

Existing ROW Line

EXISTING LED UNDERPASS LUMINAIRE TO REMAIN (TYP)



LT11

EXISTING LIGHTING CONTROLLER 200A TO BE REMOVED

EXISTING LIGHTING ELECTRIC SERVICE TO REMAIN

MARTIN LUTHER KING DR.

COLLINSVILLE AVE.

UP

NOTES:

- 1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
- 2. SEE SIGNING PLANS FOR REMOVAL OF EXISTING WALKWAY AND REPLACEMENT OF SIGN PANELS.
- 3. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

MODEL: \\MODEL\NAME
FILE: NAME: 02125651p1-08.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

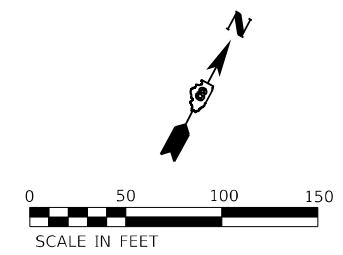
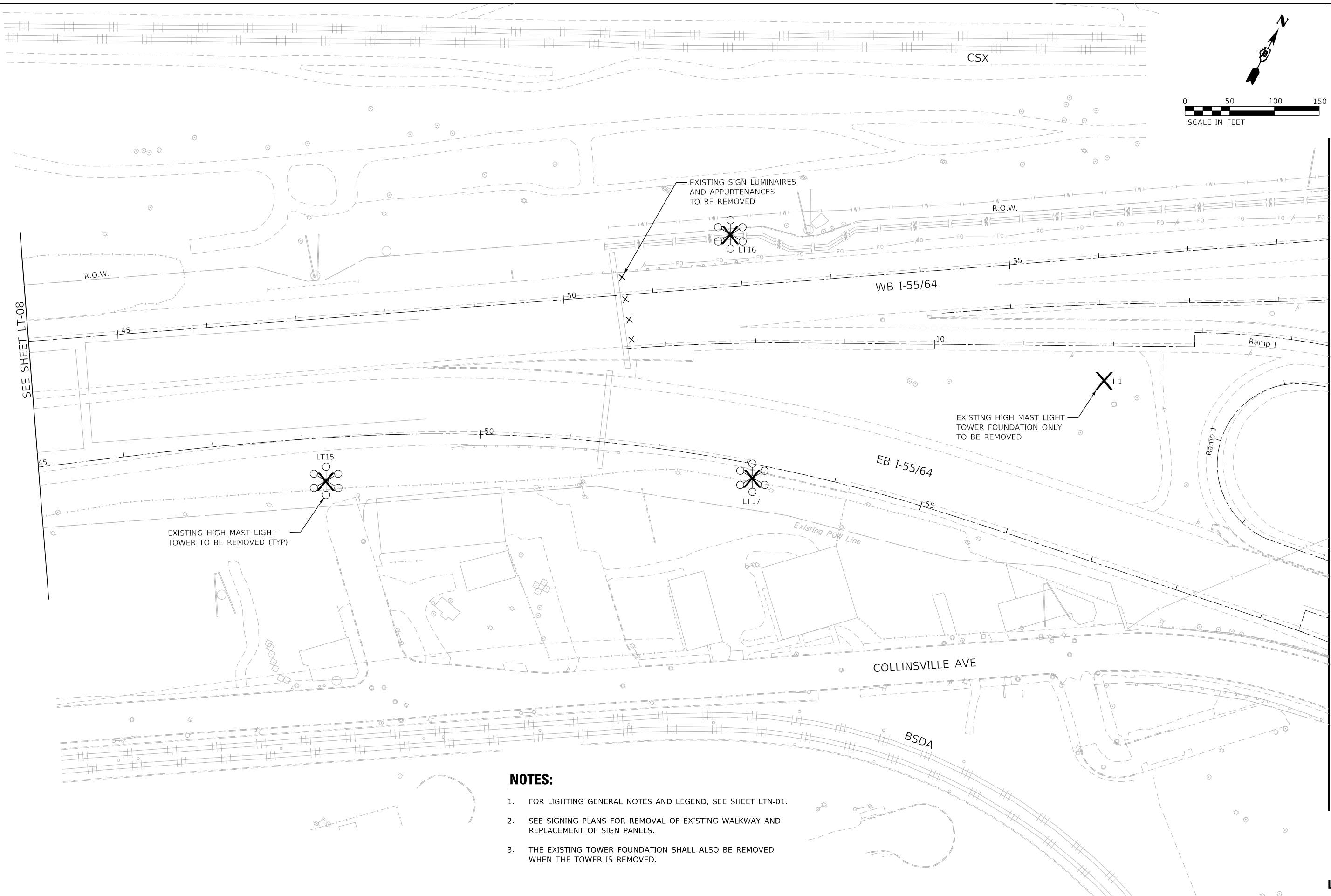
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	14
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				

LT-08



SEE SHEET LT-08

SEE SHEET LT-10

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. SEE SIGNING PLANS FOR REMOVAL OF EXISTING WALKWAY AND REPLACEMENT OF SIGN PANELS.
3. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

MODEL: 14091.MXD
FILE NAME: D:\2023\Light-09.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
DRAWN - MD	REVISIONS -	
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PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

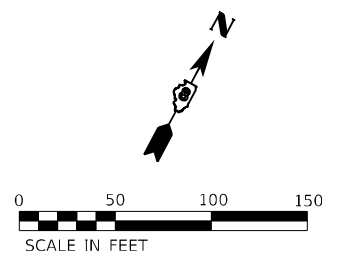
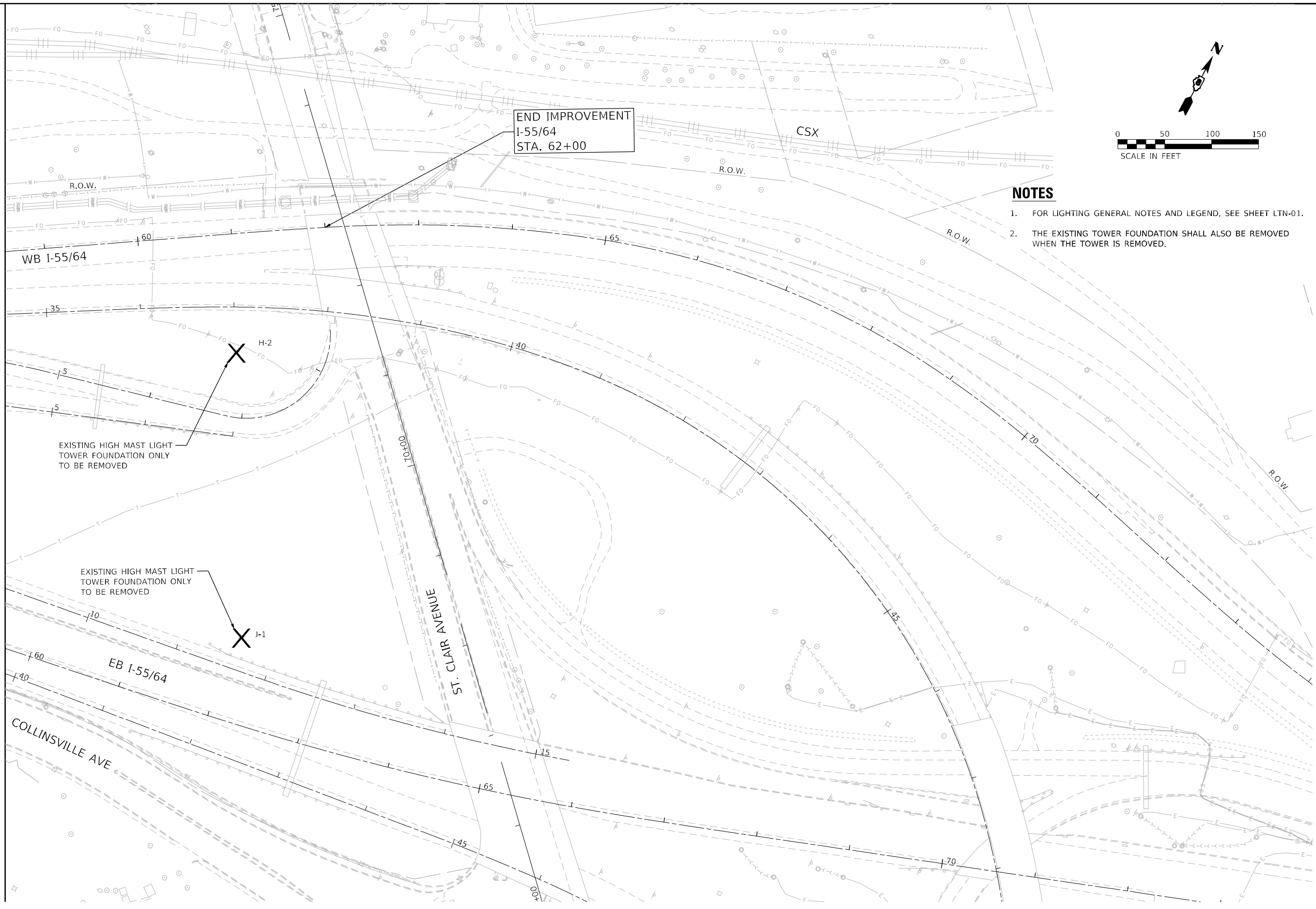
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	15
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

LT-09



- NOTES**
1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
 2. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

SEE SHEET LT-09

EXISTING HIGH MAST LIGHT TOWER FOUNDATION ONLY TO BE REMOVED

EXISTING HIGH MAST LIGHT TOWER FOUNDATION ONLY TO BE REMOVED

END IMPROVEMENT
I-55/64
STA. 62+00

MODEL: I:\MODEL\NAME
FILE NAME: 022523light-10.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
DRAWN - MD	REVISOR -	
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PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

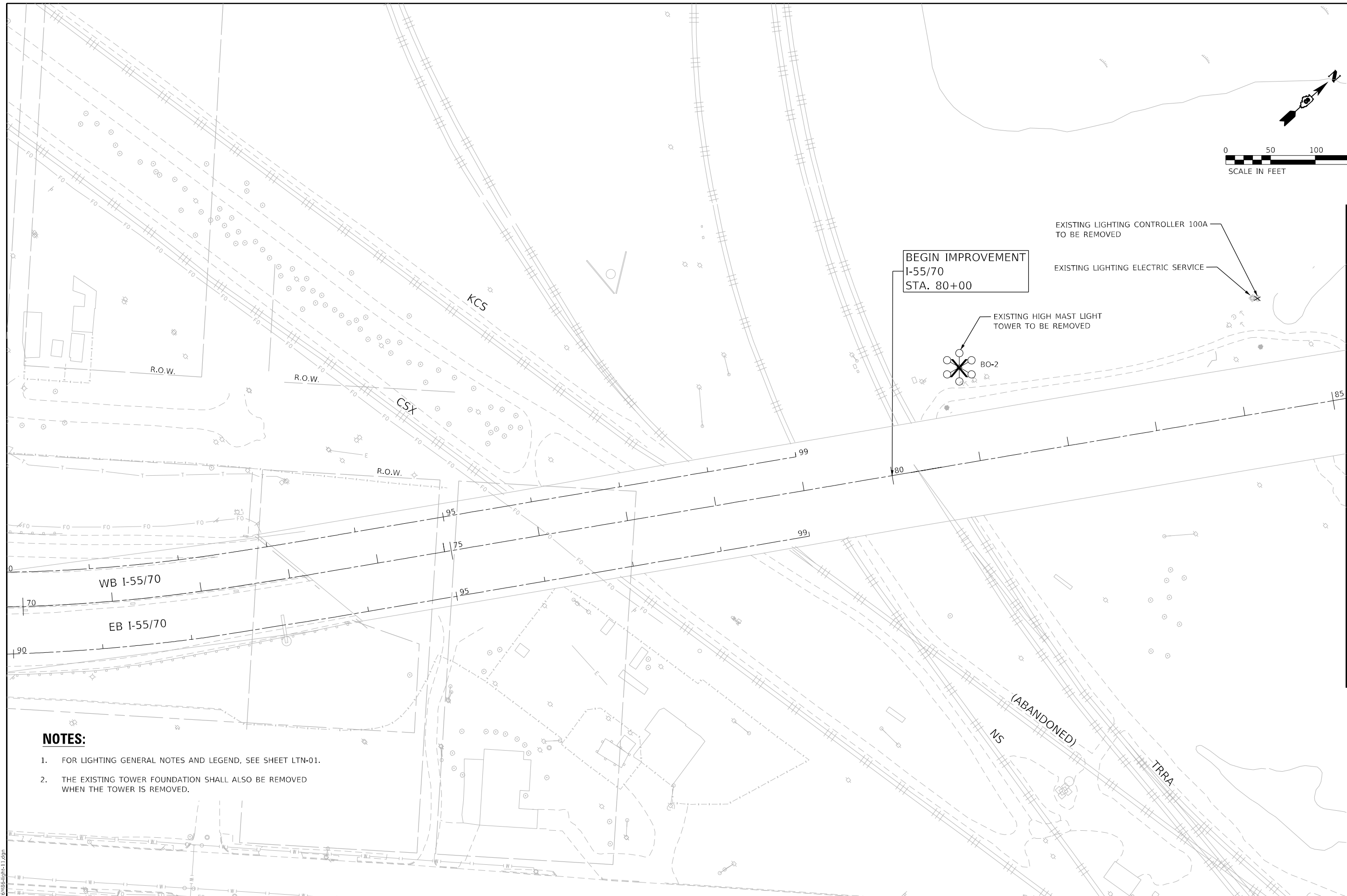
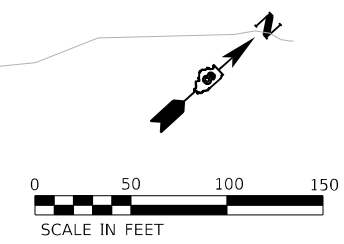
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	16
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

LT-10



SEE SHEET LT-12

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

MODEL NAME: D:\PROJECTS\I-55\I-55-LT.dwg
FILE NAME: D:\PROJECTS\I-55\I-55-LT.dwg

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

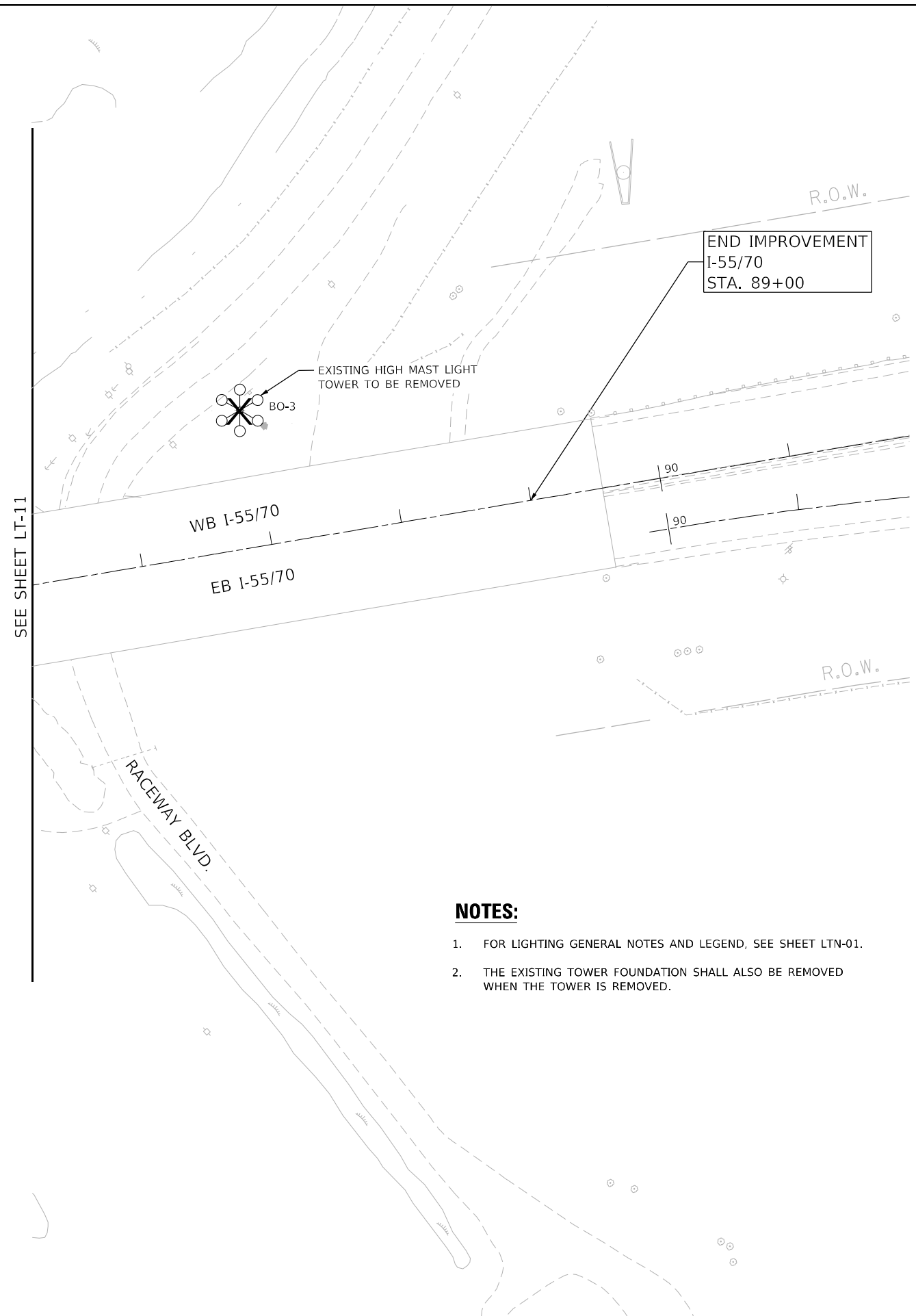
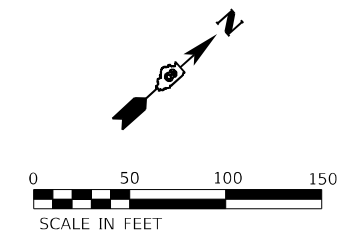
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	17
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

LT-11



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

MODEL: I:\MODEL\NAME FILE: NAME: D:\2023\light-12.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
	DRAWN - MD	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - MH	REVISED -
PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

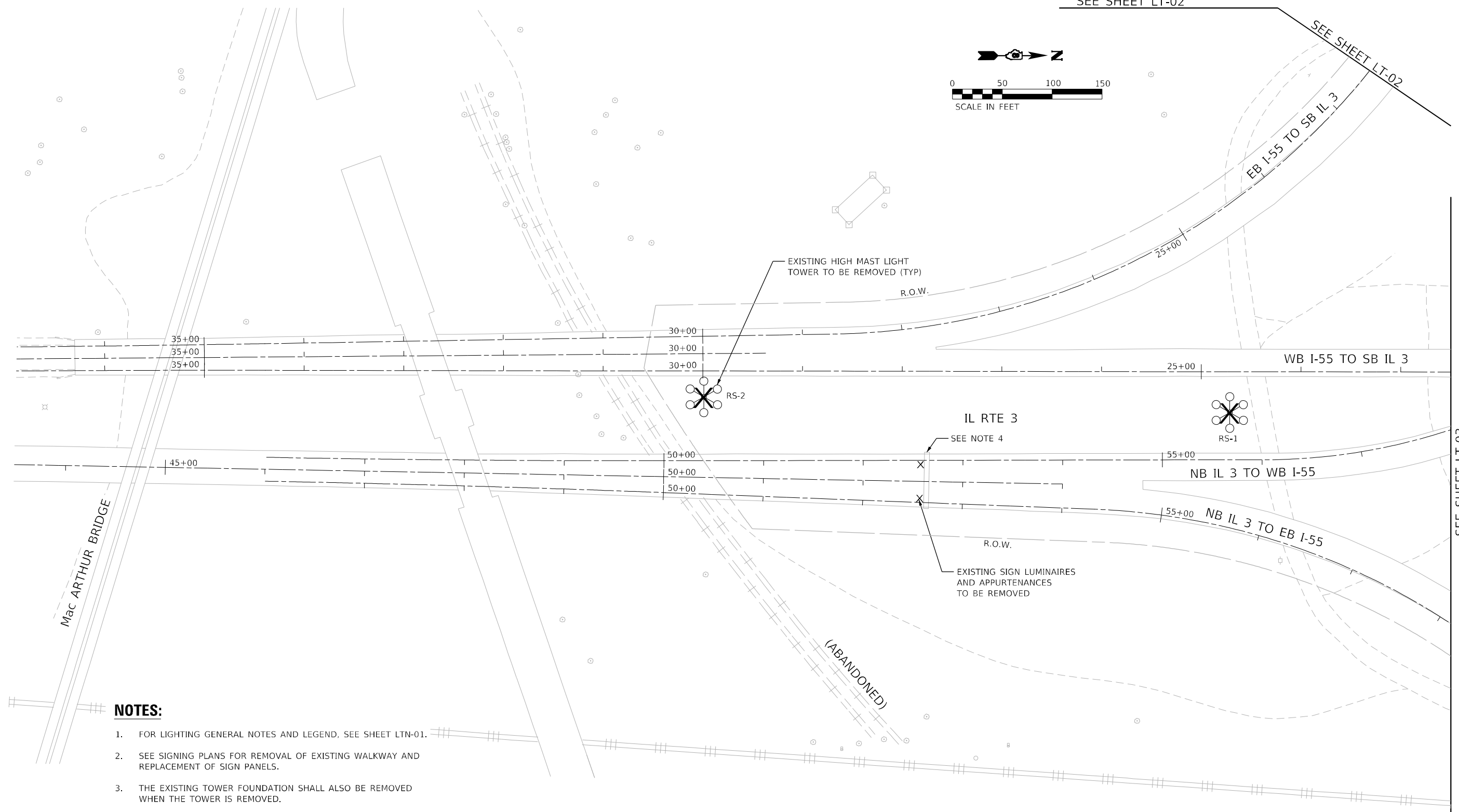
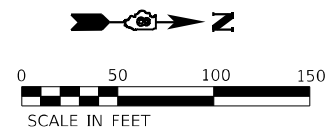
**REMOVAL LIGHTING PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	18
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				

SEE SHEET LT-02

SEE SHEET LT-02



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. SEE SIGNING PLANS FOR REMOVAL OF EXISTING WALKWAY AND REPLACEMENT OF SIGN PANELS.
3. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.
4. EXISTING CONDUIT AND JUNCTION BOX ATTACHED TO STRUCTURE BELOW SIGN STRUCTURE SHALL BE REMOVED.

SEE SHEET LT-03

MODEL: I:\MODELS\I-64\I-64-13.dgn
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AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdlctche	DESIGNED - BL	REVISED -
DRAWN - MD	REVISIONS -	
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PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

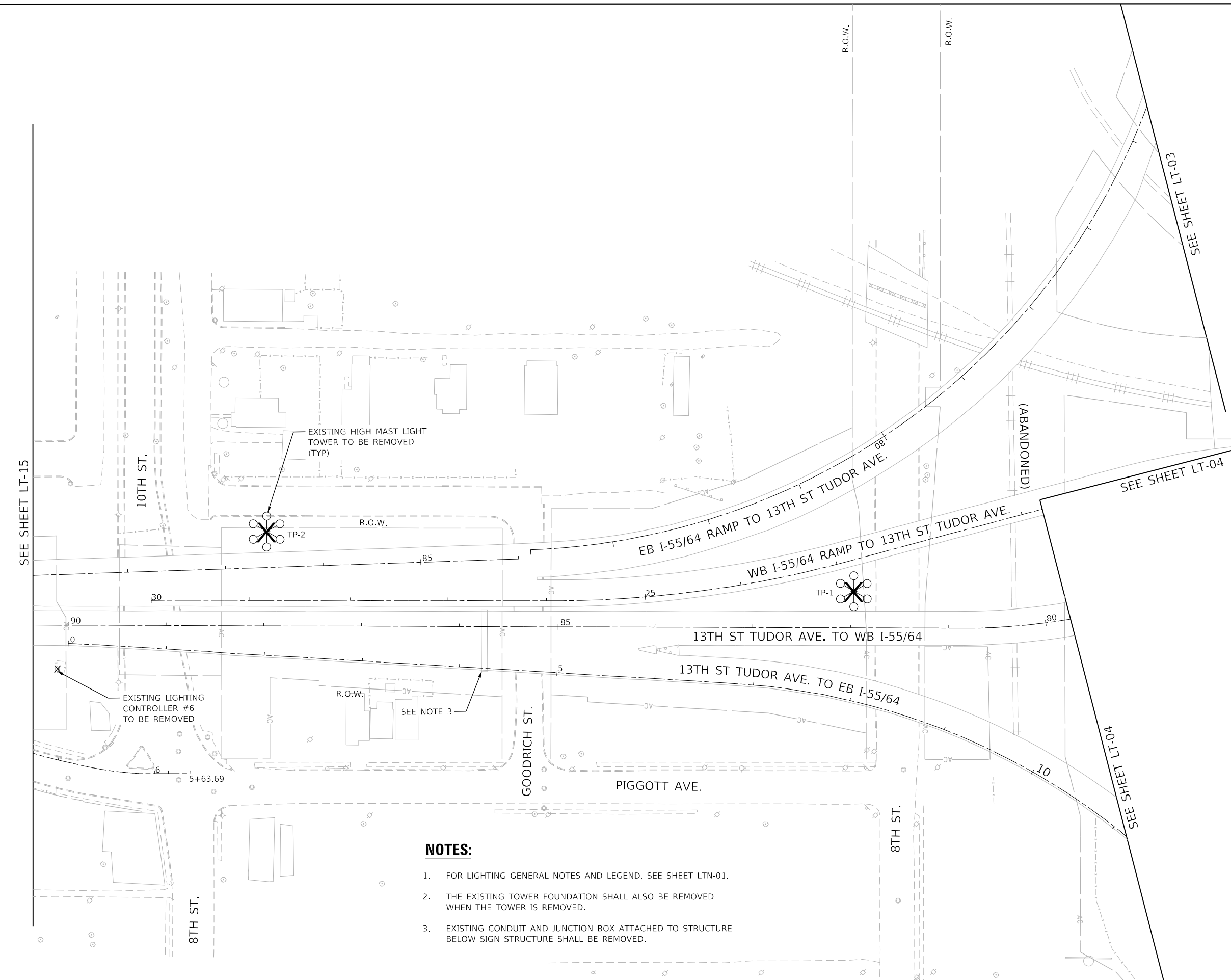
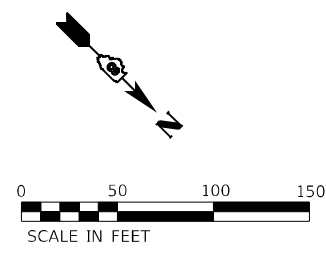
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	19
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

LT-13



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.
3. EXISTING CONDUIT AND JUNCTION BOX ATTACHED TO STRUCTURE BELOW SIGN STRUCTURE SHALL BE REMOVED.

MODEL: 140826\140826.dwg
FILE: 140826.dwg
DATE: 3/2/2023

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

USER NAME = mdeltche
DESIGNED - BL
DRAWN - MD
CHECKED - MH
DATE - 03-03-2023

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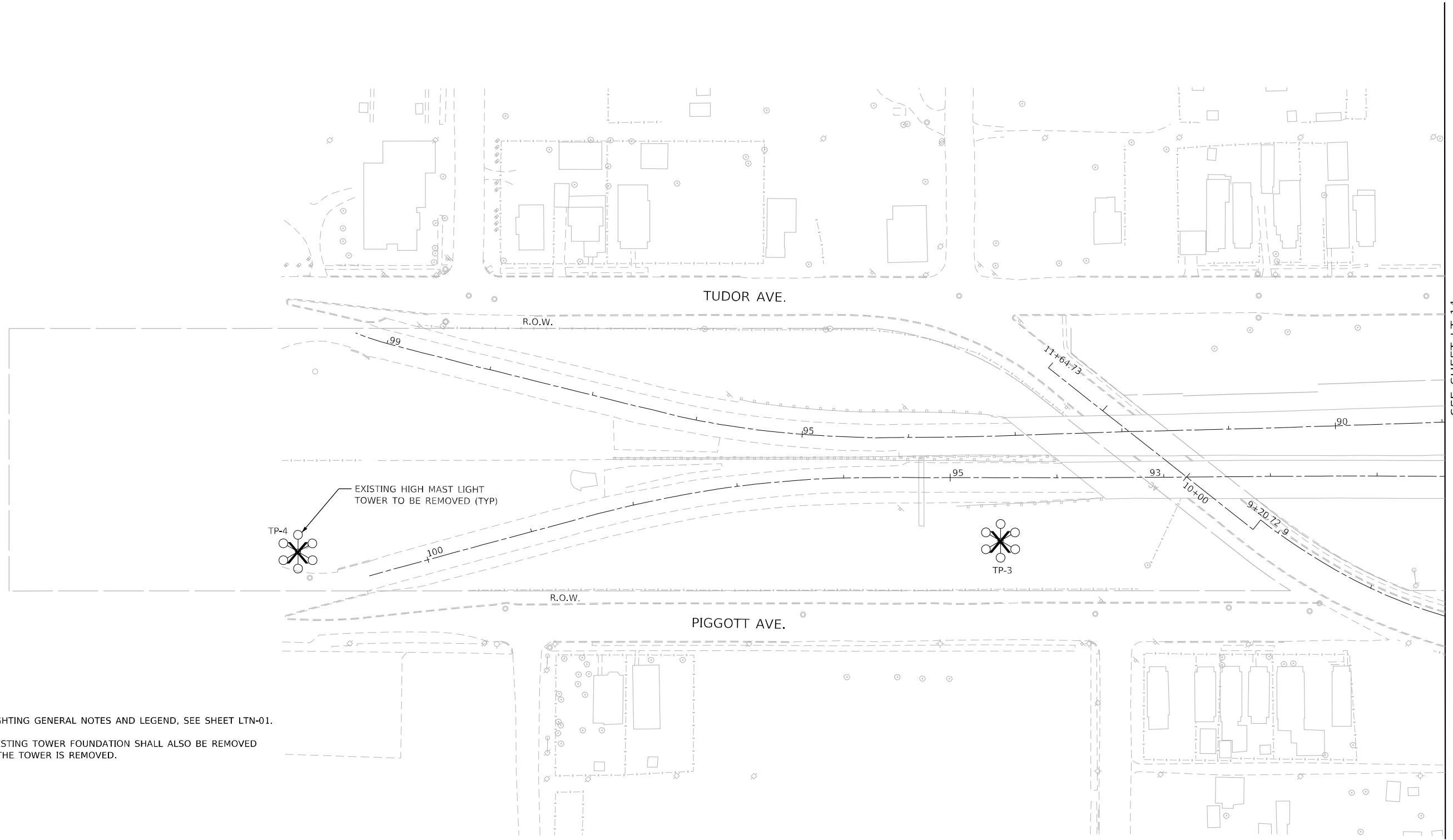
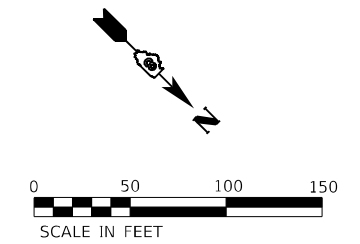
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	20
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

LT-14



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. THE EXISTING TOWER FOUNDATION SHALL ALSO BE REMOVED WHEN THE TOWER IS REMOVED.

SEE SHEET LT-14

LT-15

MODEL: I:\MODEL\NAME: FILE: NAME: 02/25/2023 11:15:00

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

USER NAME = mdlctche
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 3/2/2023

DESIGNED - BL
 DRAWN - MD
 CHECKED - MH
 DATE - 03-03-2023

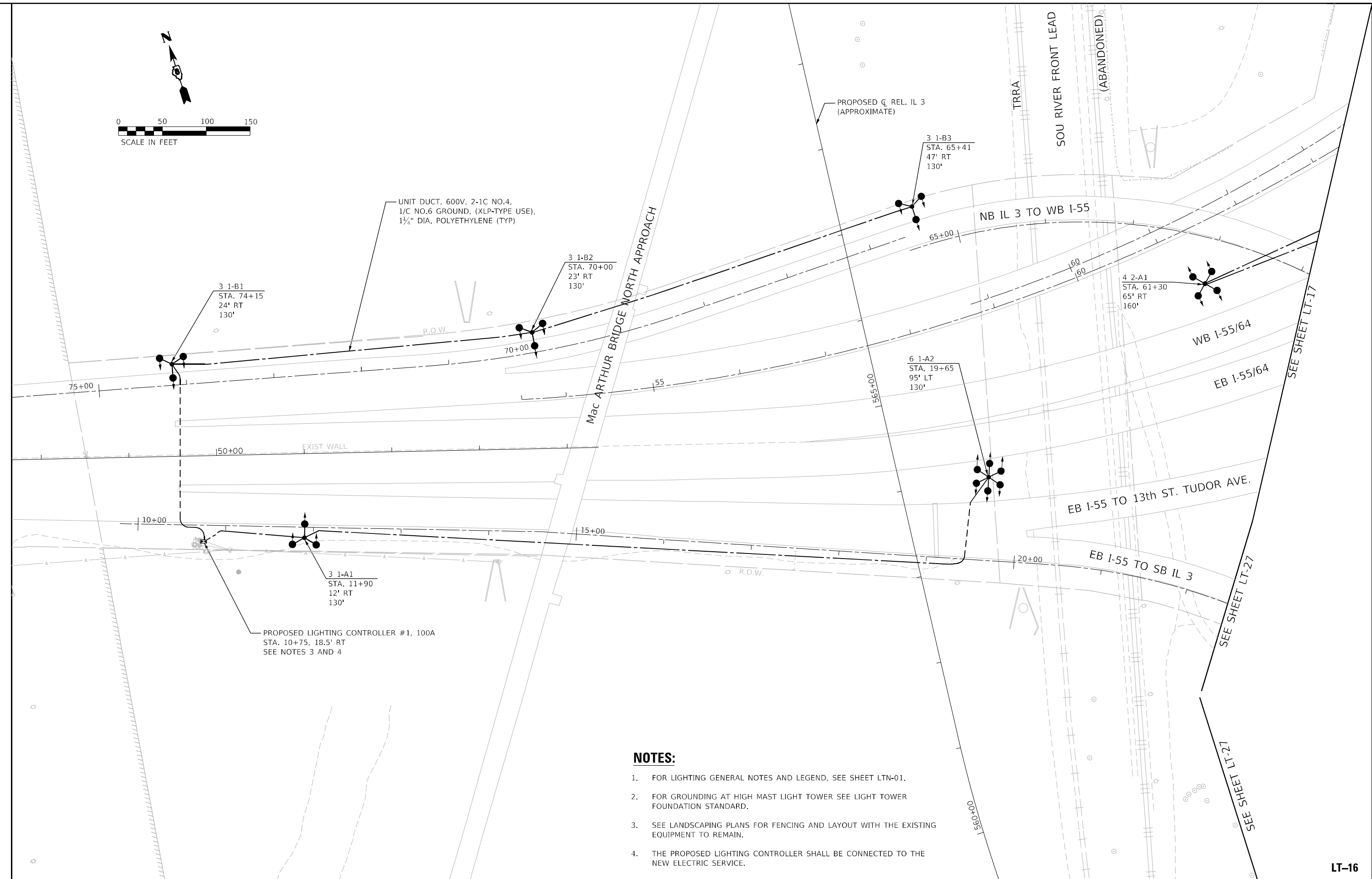
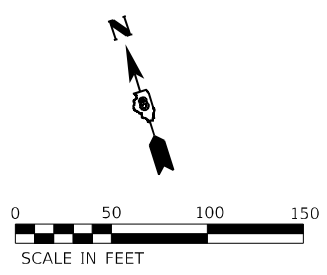
REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL LIGHTING PLAN
 I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
 I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M86	



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. SEE LANDSCAPING PLANS FOR FENCING AND LAYOUT WITH THE EXISTING EQUIPMENT TO REMAIN.
4. THE PROPOSED LIGHTING CONTROLLER SHALL BE CONNECTED TO THE NEW ELECTRIC SERVICE.

MODEL: I:\MODEL\NAME: FILE: NAME: 02/25/2023 10:16:00

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

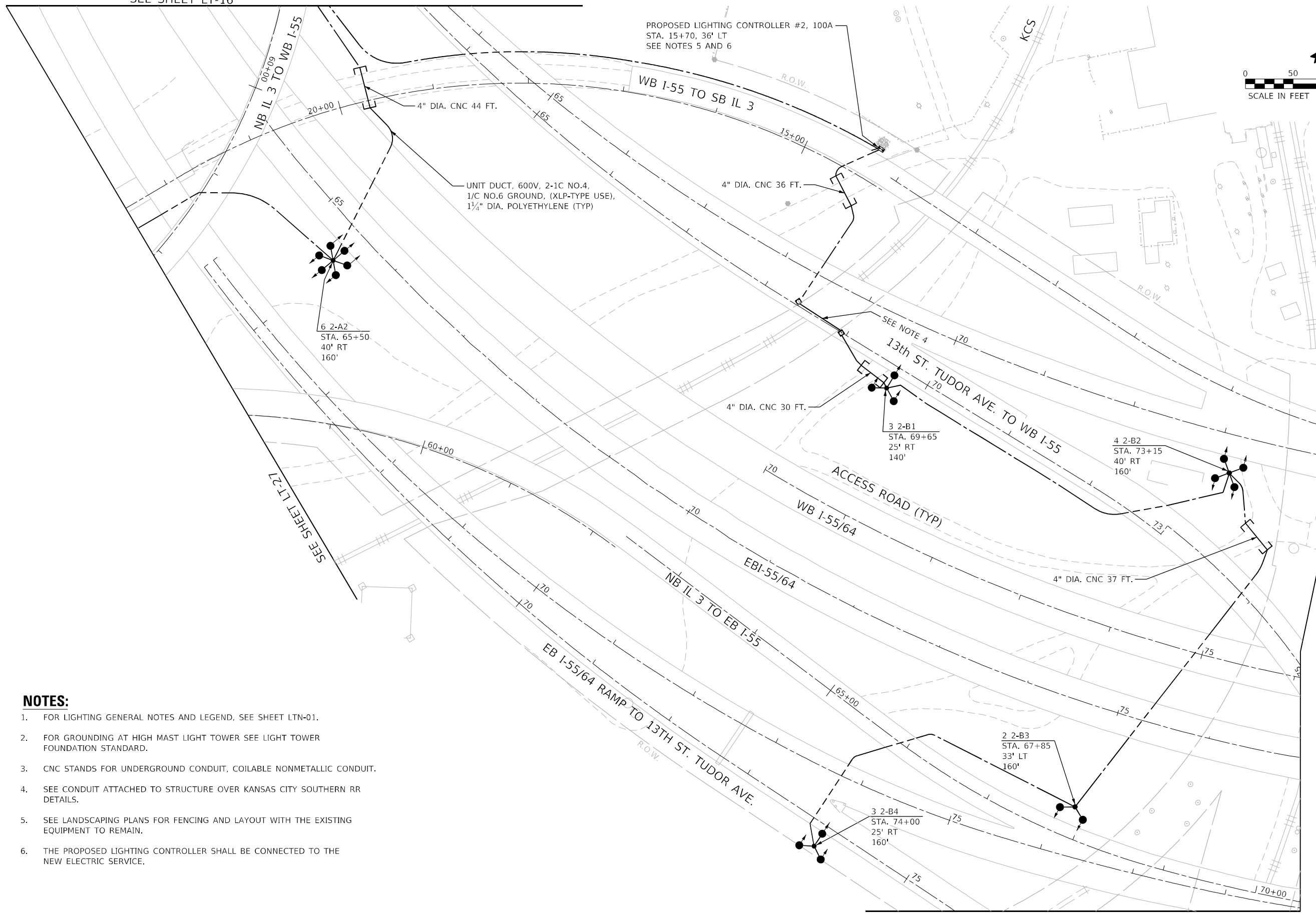
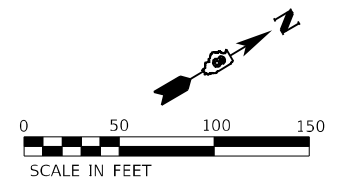
**PROPOSED LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE. 70	SECTION 82-3, 4HL-4	COUNTY ST. CLAIR	TOTAL SHEETS 81	SHEET NO. 22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M86	

LT-16

SEE SHEET LT-16



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.
4. SEE CONDUIT ATTACHED TO STRUCTURE OVER KANSAS CITY SOUTHERN RR DETAILS.
5. SEE LANDSCAPING PLANS FOR FENCING AND LAYOUT WITH THE EXISTING EQUIPMENT TO REMAIN.
6. THE PROPOSED LIGHTING CONTROLLER SHALL BE CONNECTED TO THE NEW ELECTRIC SERVICE.

MODEL: S:\MODEL\NAMES
FILE NAME: 0876485-light-17.dgn

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

USER NAME	= mdelicne
PLOT SCALE	= 100.9961' / in.
PLOT DATE	= 3/2/2023

DESIGNED	- BL
DRAWN	- MD
CHECKED	- MH
DATE	- 03-03-2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

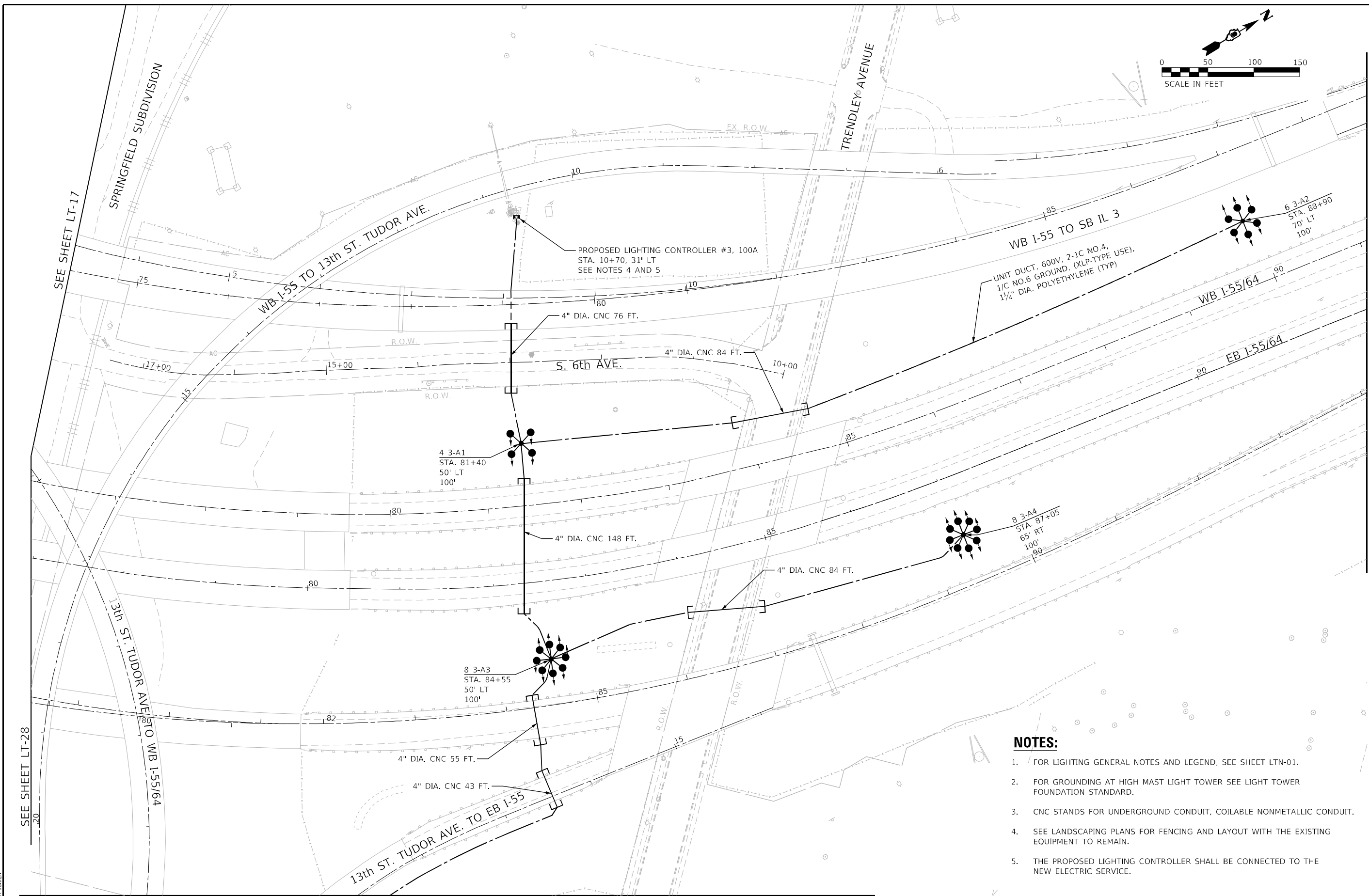
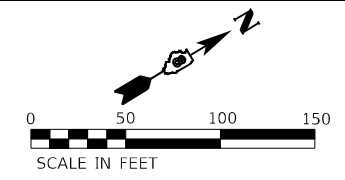
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	23
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

LT-17



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.
4. SEE LANDSCAPING PLANS FOR FENCING AND LAYOUT WITH THE EXISTING EQUIPMENT TO REMAIN.
5. THE PROPOSED LIGHTING CONTROLLER SHALL BE CONNECTED TO THE NEW ELECTRIC SERVICE.

MODEL: \$MODELNAME\$
FILE NAME: D976M86-001-18.cdw

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

USER NAME = mdeltche	DESIGNED - BL	REVISED -
PLOT SCALE = 101.3556' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

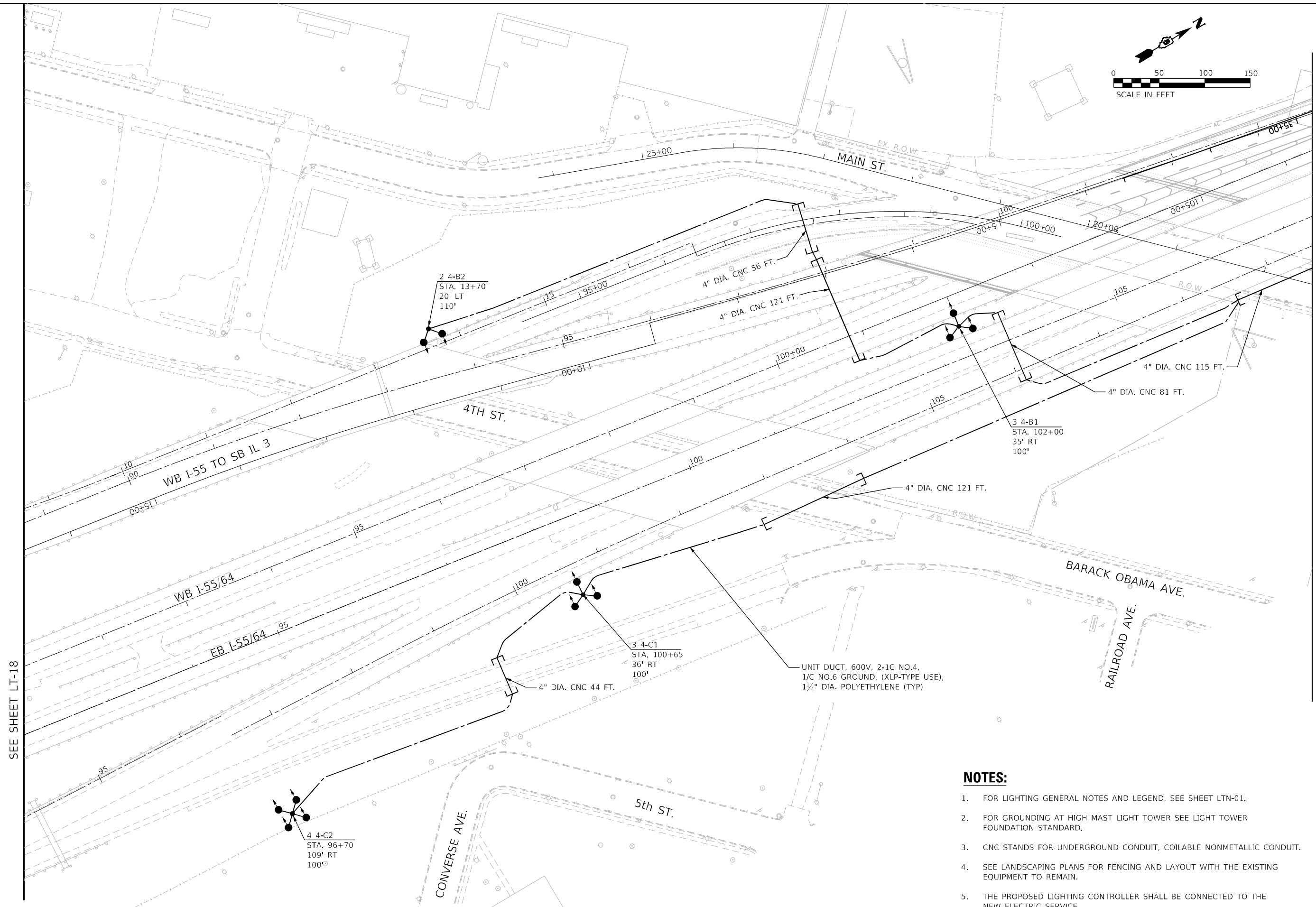
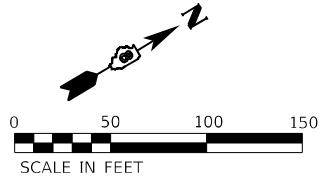
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.I. RTE. 70	SECTION 82-3, 4HL-4	COUNTY ST. CLAIR	TOTAL SHEETS 81	SHEET NO. 24
ILLINOIS FED. AID PROJECT				

LT-18



SEE SHEET LT-20

SEE SHEET LT-18

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.
4. SEE LANDSCAPING PLANS FOR FENCING AND LAYOUT WITH THE EXISTING EQUIPMENT TO REMAIN.
5. THE PROPOSED LIGHTING CONTROLLER SHALL BE CONNECTED TO THE NEW ELECTRIC SERVICE.

LT-19

MODEL: I-55/64.dwg
FILE NAME: D:\Projects\I-55/64\I-55/64.dwg

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

USER NAME = mdlrtche	DESIGNED - BL	REVISED -
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PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

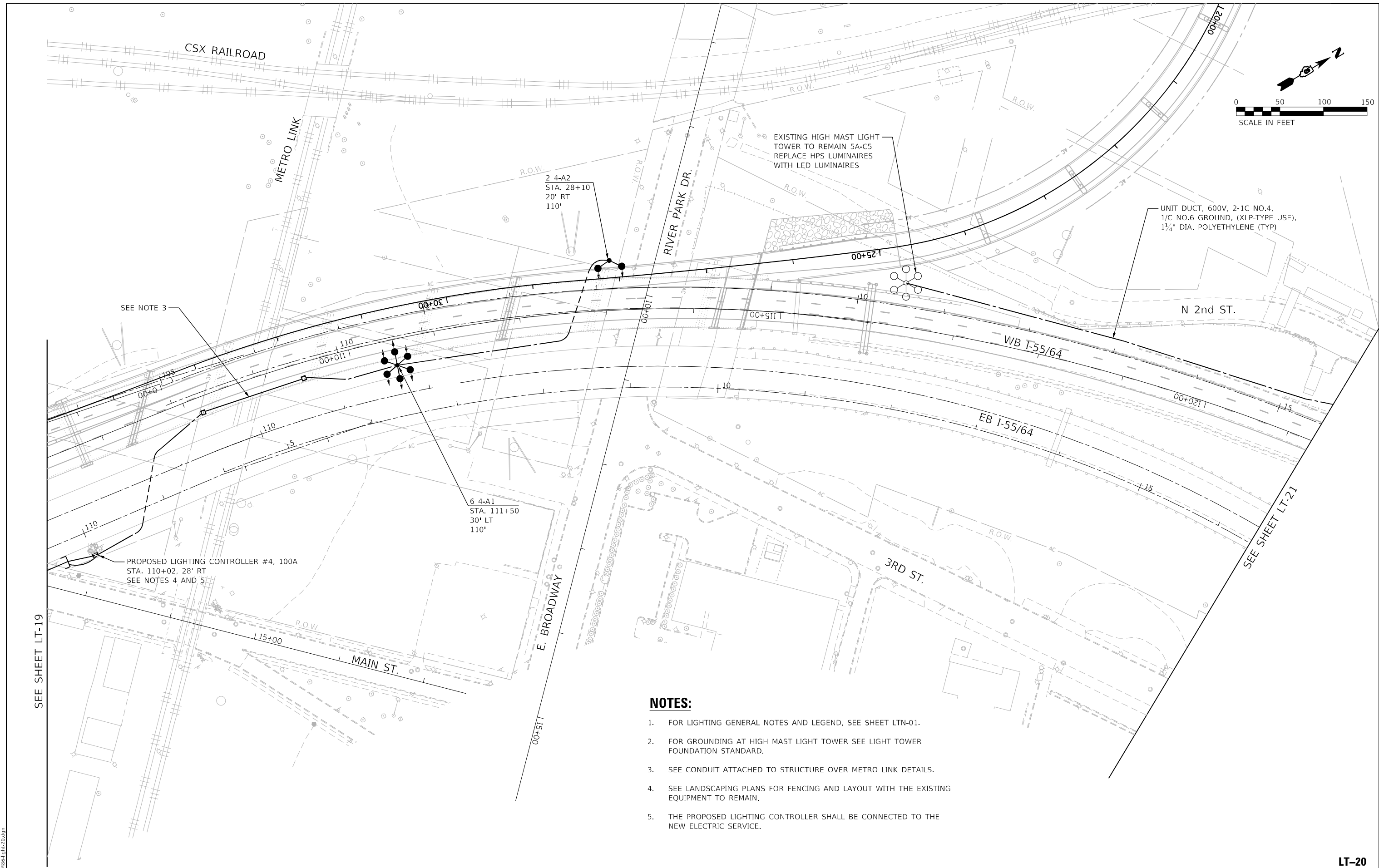
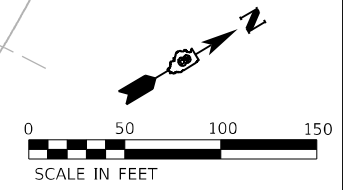
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50'

SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	25
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. SEE CONDUIT ATTACHED TO STRUCTURE OVER METRO LINK DETAILS.
4. SEE LANDSCAPING PLANS FOR FENCING AND LAYOUT WITH THE EXISTING EQUIPMENT TO REMAIN.
5. THE PROPOSED LIGHTING CONTROLLER SHALL BE CONNECTED TO THE NEW ELECTRIC SERVICE.

SEE SHEET LT-19

SEE SHEET LT-21

LT-20

MODEL: I:\MODEL\NAME CONSULTING ENGINEERS FILE NAME: D:\ENR\556\light-20.dgn

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

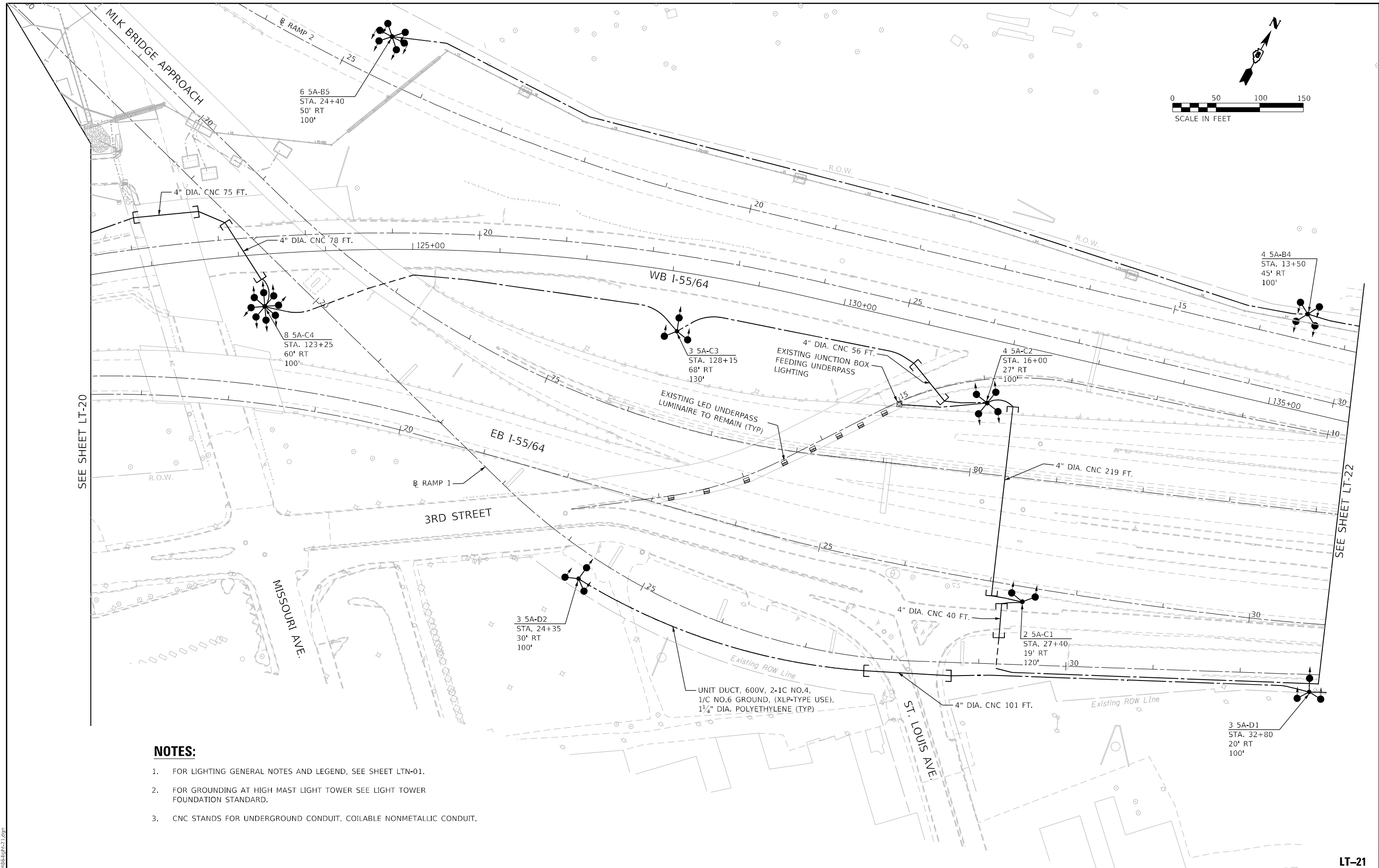
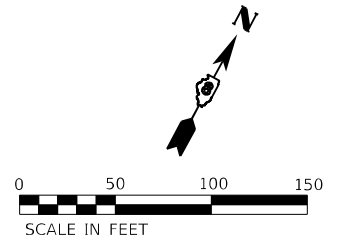
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PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	26
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				



SEE SHEET LT-20

SEE SHEET LT-22

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.

MODEL: I-55/64.LIN
FILE NAME: D:\Projects\I-55/64\I-55/64-21.dgn

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

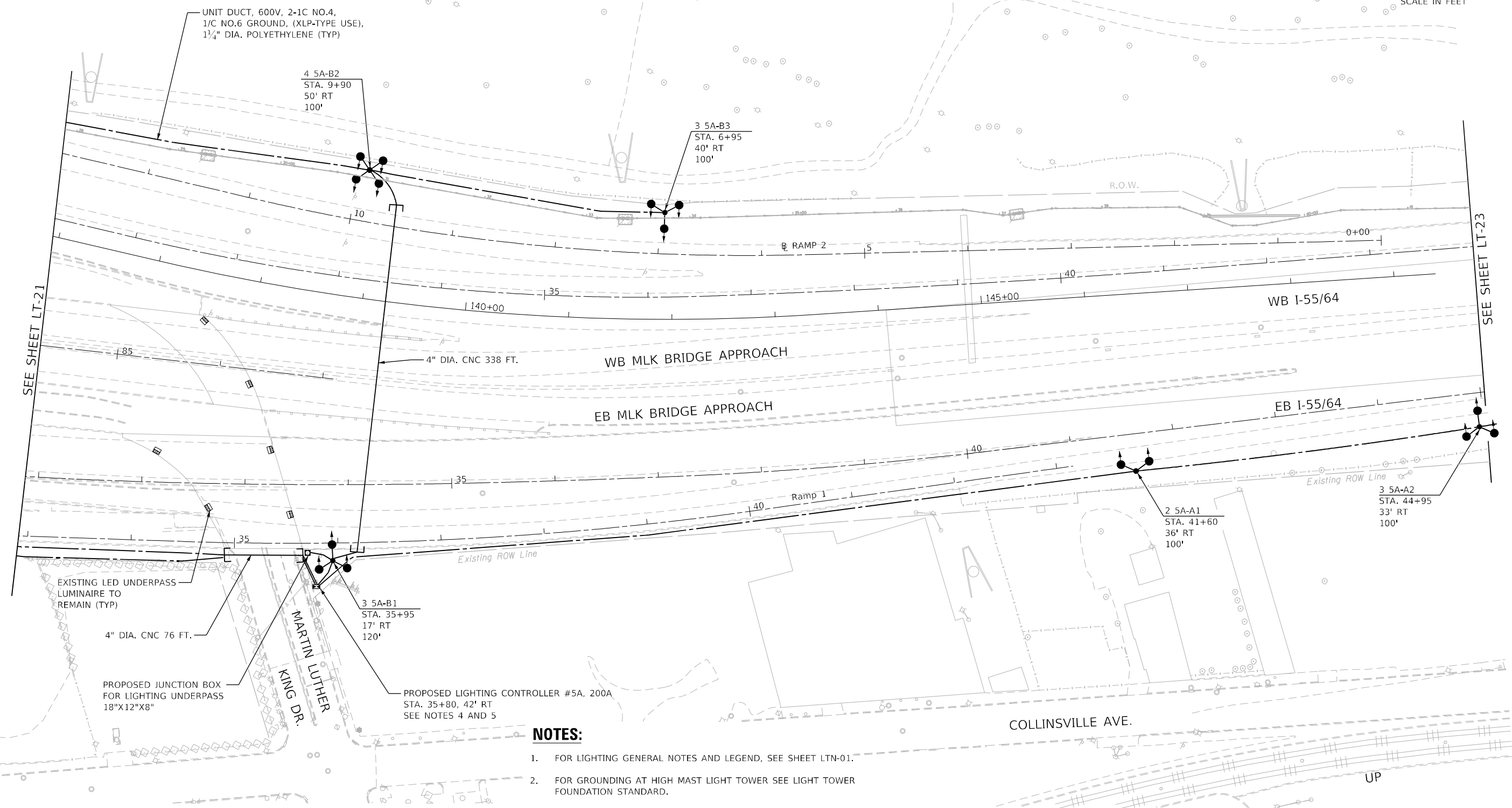
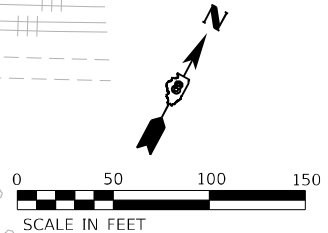
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	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	27
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



UNIT DUCT, 600V, 2-1C NO.4,
1/C NO.6 GROUND, (XLP-TYPE USE),
1 1/4" DIA. POLYETHYLENE (TYP)

4 5A-B2
STA. 9+90
50' RT
100'

3 5A-B3
STA. 6+95
40' RT
100'

3 5A-B1
STA. 35+95
17' RT
120'

2 5A-A1
STA. 41+60
36' RT
100'

3 5A-A2
STA. 44+95
33' RT
100'

EXISTING LED UNDERPASS
LUMINAIRE TO
REMAIN (TYP)

4" DIA. CNC 76 FT.

PROPOSED JUNCTION BOX
FOR LIGHTING UNDERPASS
18"X12"X8"

PROPOSED LIGHTING CONTROLLER #5A, 200A
STA. 35+80, 42' RT
SEE NOTES 4 AND 5

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.
4. SEE LANDSCAPING PLANS FOR FENCING AND LAYOUT WITH THE EXISTING EQUIPMENT TO REMAIN.
5. THE PROPOSED LIGHTING CONTROLLER SHALL BE CONNECTED TO THE NEW ELECTRIC SERVICE.

MODEL: 1408161.MXD
FILE NAME: 02125651.dwg
DATE: 3/2/2023

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

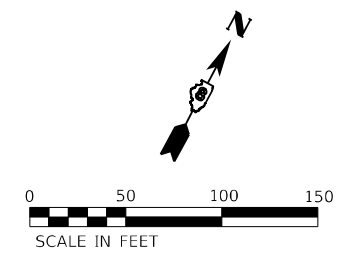
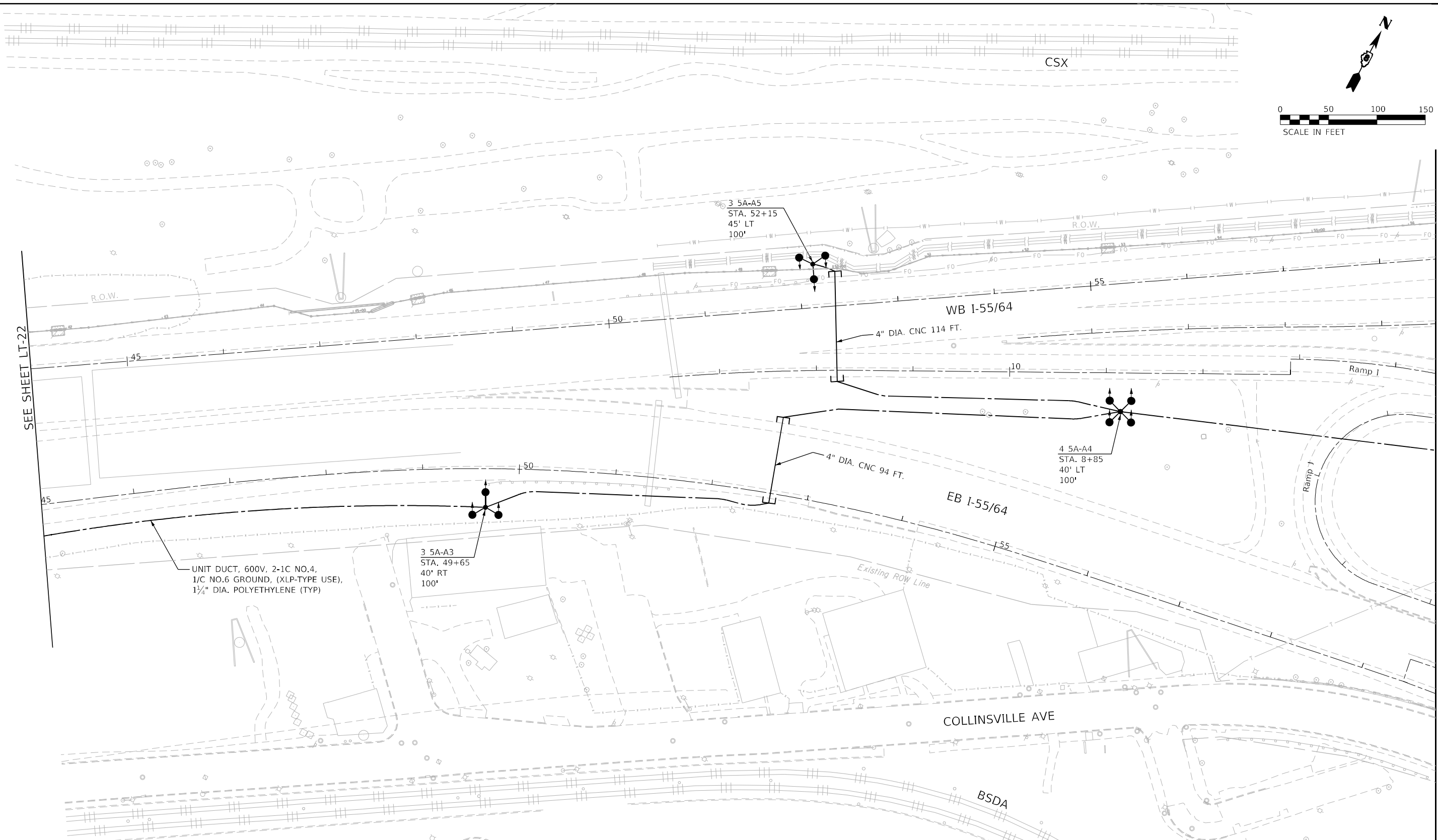
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DRAWN - MD	REVISIONS -	
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PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M86	



SEE SHEET LT-22

SEE SHEET LT-24

UNIT DUCT, 600V, 2-1C NO.4,
1/C NO.6 GROUND, (XLP-TYPE USE),
1 1/2" DIA. POLYETHYLENE (TYP)

3 5A-A3
STA. 49+65
40' RT
100'

3 5A-A5
STA. 52+15
45' LT
100'

4 5A-A4
STA. 8+85
40' LT
100'

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.

MODEL: I:\MODEL\NAME...
FILE NAME: D:\2023\11\13\11-23.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

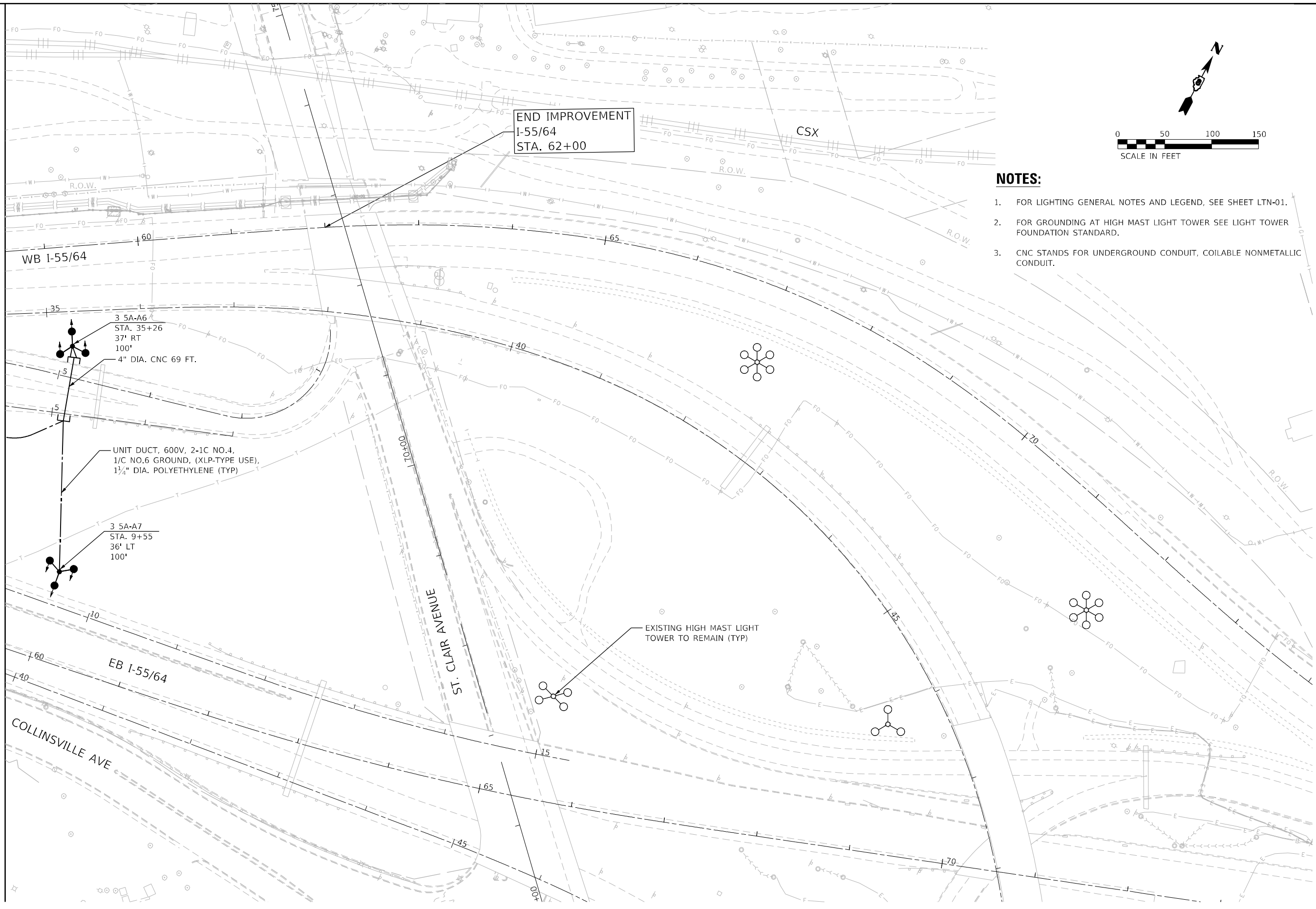
**PROPOSED LIGHTING PLAN
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

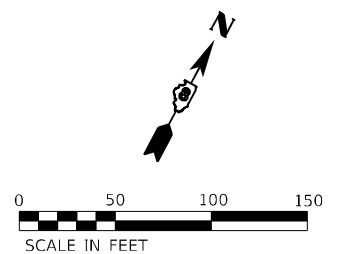
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	29
CONTRACT NO. 76M86				

ILLINOIS FED. AID PROJECT

LT-23



END IMPROVEMENT
I-55/64
STA. 62+00



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.

SEE SHEET LT-23

3 5A-A6
STA. 35+26
37' RT
100'
4" DIA. CNC 69 FT.

UNIT DUCT, 600V, 2-1C NO.4,
1/C NO.6 GROUND, (XLP-TYPE USE),
1 1/4" DIA. POLYETHYLENE (TYP)

3 5A-A7
STA. 9+55
36' LT
100'

EXISTING HIGH MAST LIGHT
TOWER TO REMAIN (TYP)

MODEL: I:\MODEL\NAME
FILE NAME: D:\2023\I55\I55-24.dgn

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

USER NAME = mdlctche	DESIGNED - BL	REVISED -
DRAWN - MD	REVISED -	
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PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

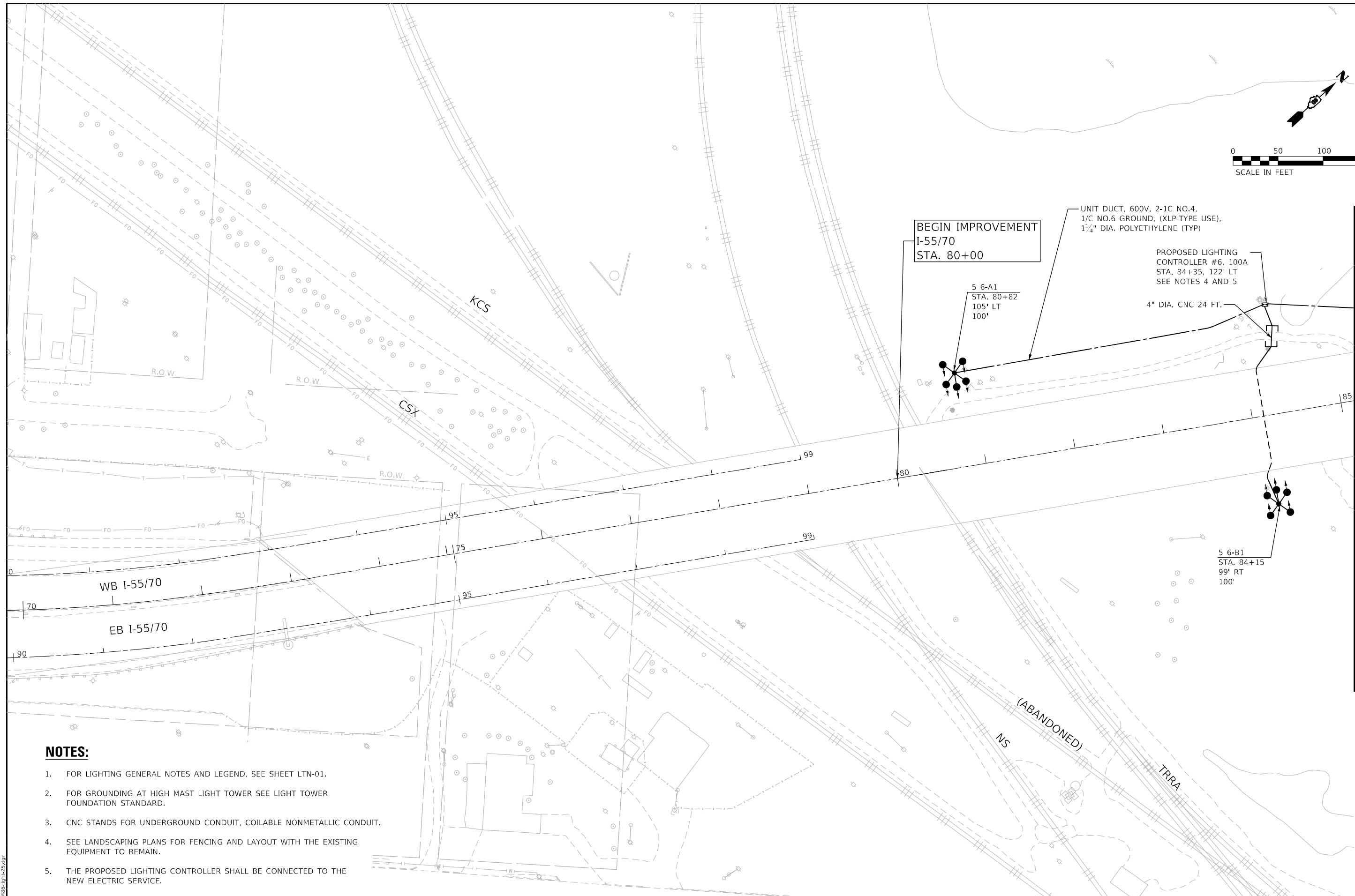
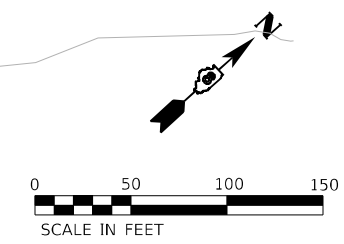
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	30
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

LT-24



SEE SHEET LT-26

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.
4. SEE LANDSCAPING PLANS FOR FENCING AND LAYOUT WITH THE EXISTING EQUIPMENT TO REMAIN.
5. THE PROPOSED LIGHTING CONTROLLER SHALL BE CONNECTED TO THE NEW ELECTRIC SERVICE.

MODEL: I-55/70/64
FILE NAME: D:\2023\I-55/70/64-25.dgn

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

USER NAME = mdlrtche	DESIGNED - BL	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MD	REVISED -
PLOT DATE = 3/2/2023	CHECKED - MH	REVISED -
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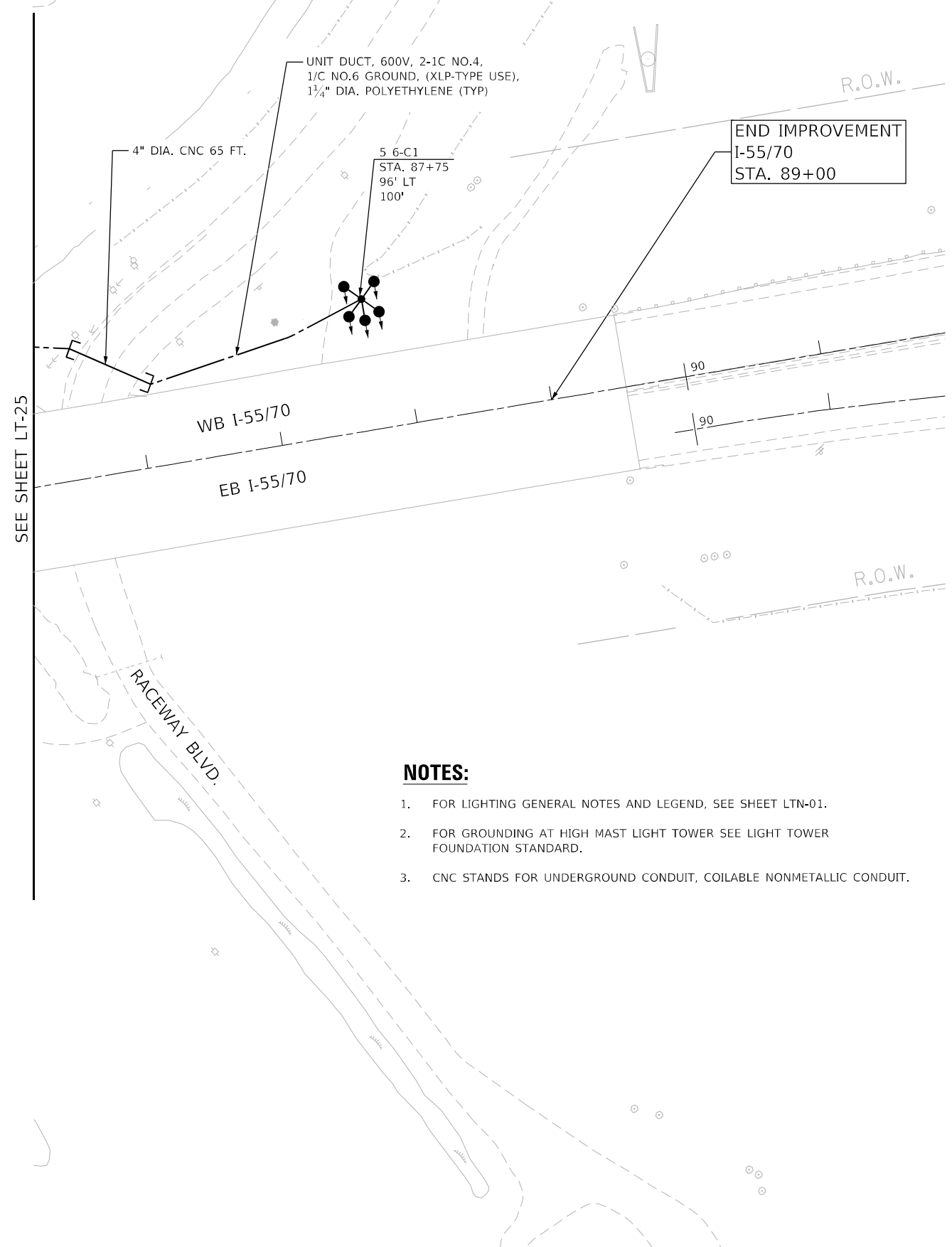
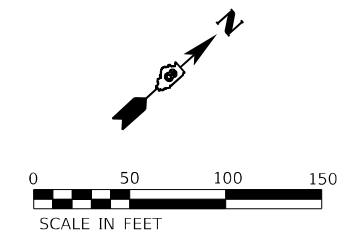
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	31
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

LT-25



SEE SHEET LT-25

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.

MODEL NAME: D:\PROJECTS\76M86\Light-26.dgn

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

USER NAME = mdlrtche	DESIGNED - BL	REVISED -
DRAWN - MD	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - MH	REVISED -
PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

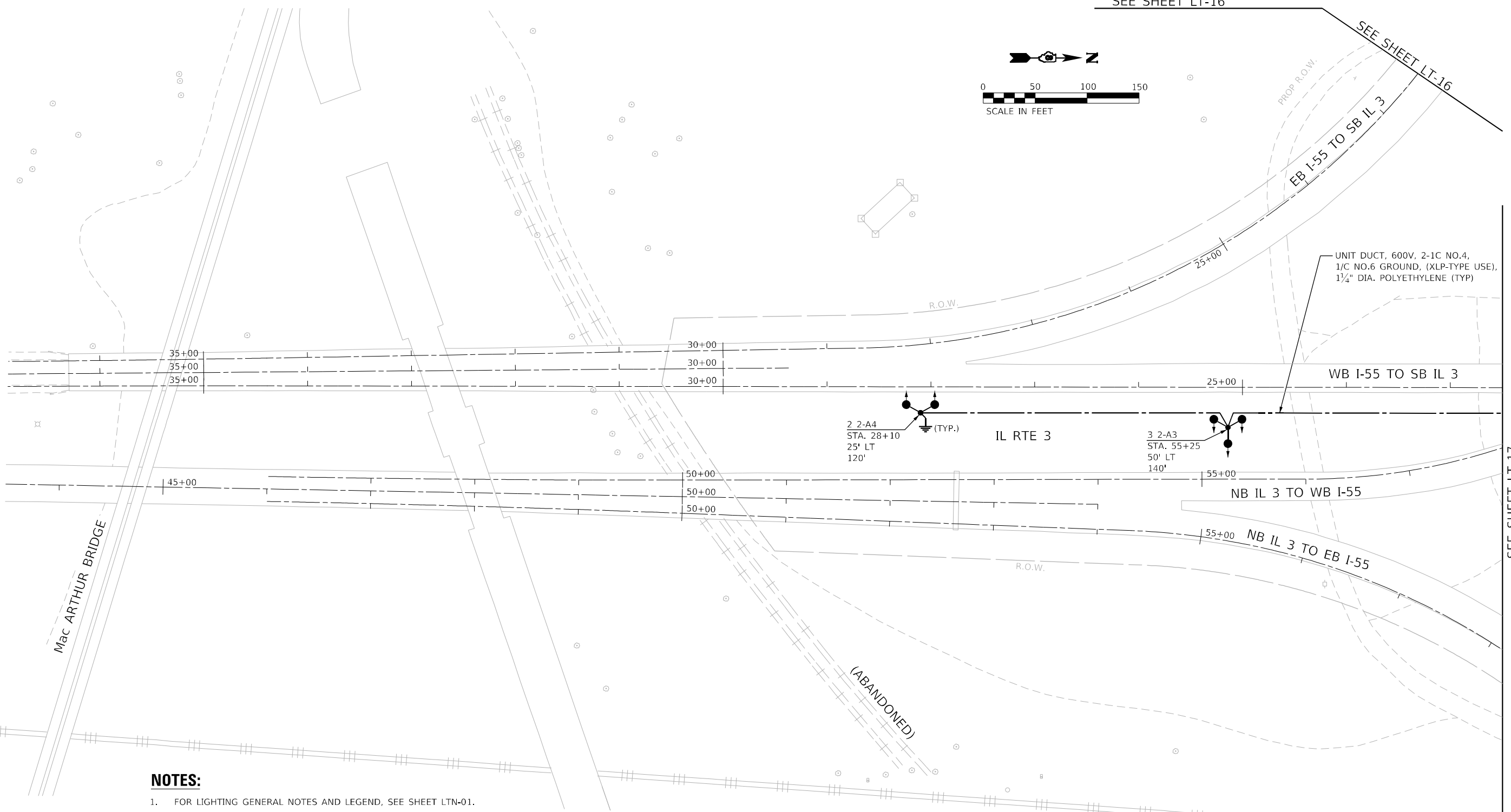
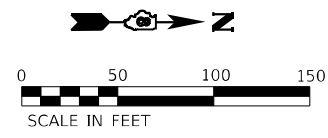
**PROPOSED LIGHTING PLAN
 I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
 I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	32
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				

SEE SHEET LT-16

SEE SHEET LT-16



UNIT DUCT, 600V, 2-1C NO.4,
1/C NO.6 GROUND, (XLP-TYPE USE),
1 1/4" DIA. POLYETHYLENE (TYP)

NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.

SEE SHEET LT-17

MODEL NAME: LT-27.dgn

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

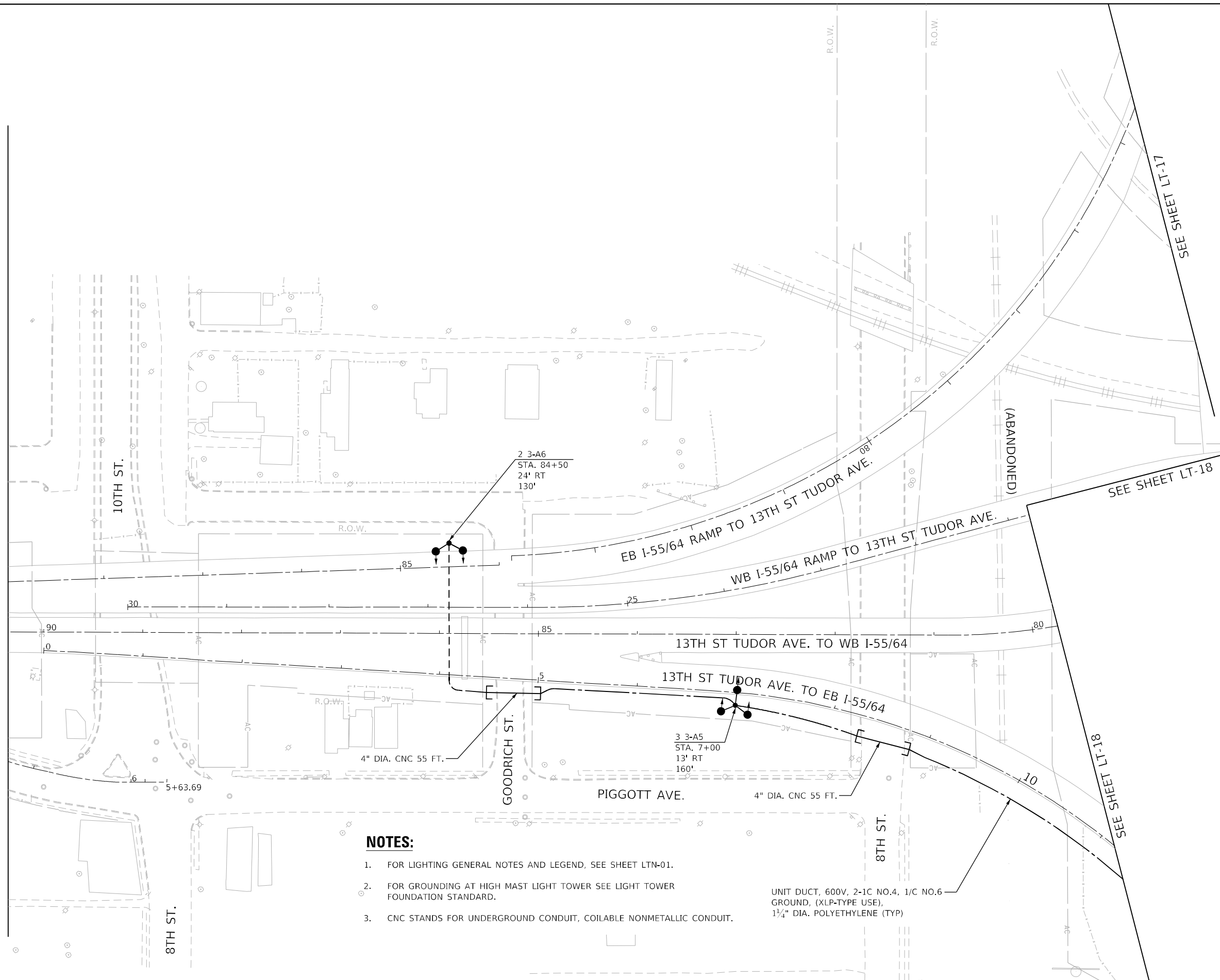
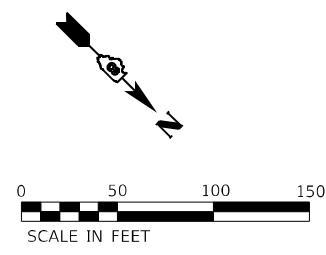
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PLOT DATE = 3/2/2023	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	33
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



NOTES:

1. FOR LIGHTING GENERAL NOTES AND LEGEND, SEE SHEET LTN-01.
2. FOR GROUNDING AT HIGH MAST LIGHT TOWER SEE LIGHT TOWER FOUNDATION STANDARD.
3. CNC STANDS FOR UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT.

MODEL: 1500BELVIAIES
FILE: 1500BELVIAIES.dwg
DATE: 03-03-2023 12:28:01

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

USER NAME = mdlctche
DESIGNED - BL
DRAWN - MD
CHECKED - MH
DATE - 03-03-2023

DESIGNED - BL
DRAWN - MD
CHECKED - MH
DATE - 03-03-2023

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





**PROPOSED LIGHTING PLAN
I-55/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	34
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				

LT-28

LEGEND

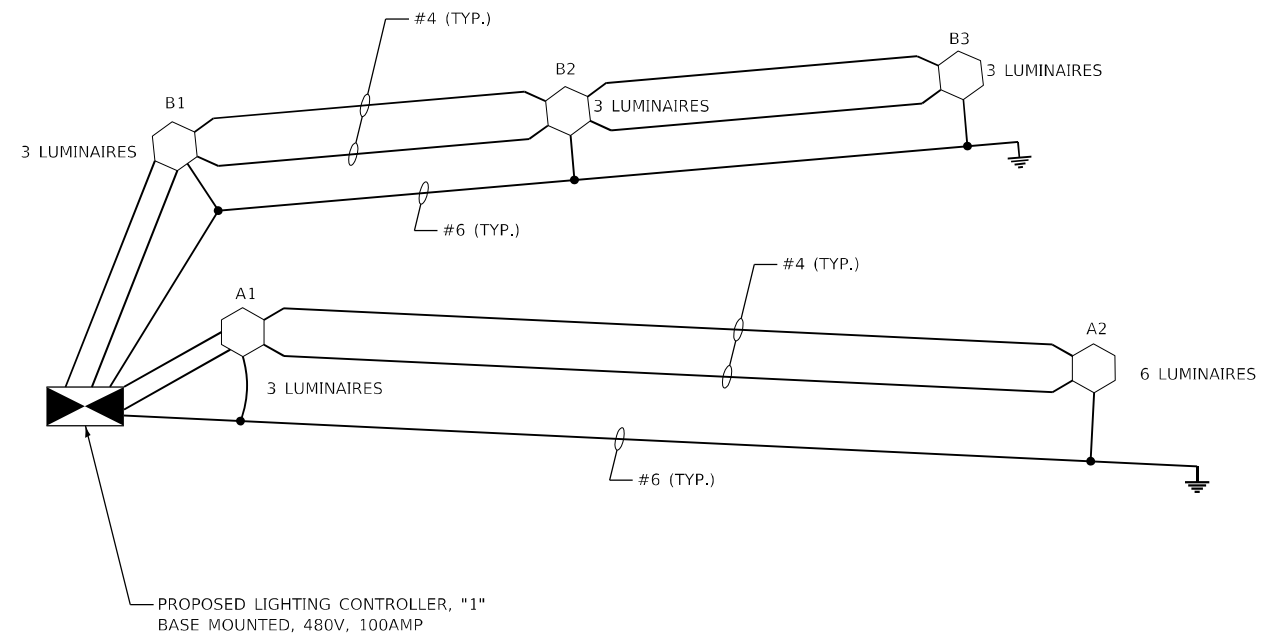
-  PROPOSED LIGHTING CONTROLLER "1" 480V, 1 PHASE, 3 WIRE
100 AMP, WITH 2P BRANCH CIRCUIT BREAKERS, BASE MOUNTED
-  UNIT DUCT
-  PROPOSED LIGHT TOWER WITH LUMINAIRES OUTPUT DESIGNATION H
-  GROUND ROD (AT EACH POLE PER STANDARDS)

LOAD TABLE LIGHTING CONTROLLER "1"

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

CIRCUIT	TOTAL NO. OF LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	9	6.48	2,790
B	9	6.48	2,790
C	SPARE	-	-
D	SPARE	-	-
E	SPARE	-	-
F	SPARE	-	-
TOTAL	18	12.96	5,580

TOTAL LOAD IN WATTS 5,580
TOTAL LOAD IN AMPS 12.96



MODEL: I:\MODEL\NAME: FILE: NAME: 021216\565\light-29.dgn

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

USER NAME = mdlctche	DESIGNED - MH	REVISED -
DRAWN - MD	REVISIONS -	
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PLOT DATE = 3/3/2023	DATE - 03-03-2023	REVISED -





**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLER 1 - WIRING DIAGRAM
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.J. RTE. 70	SECTION 82-3, 4HL-4	COUNTY ST. CLAIR	TOTAL SHEETS 81	SHEET NO. 35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M86	

LEGEND

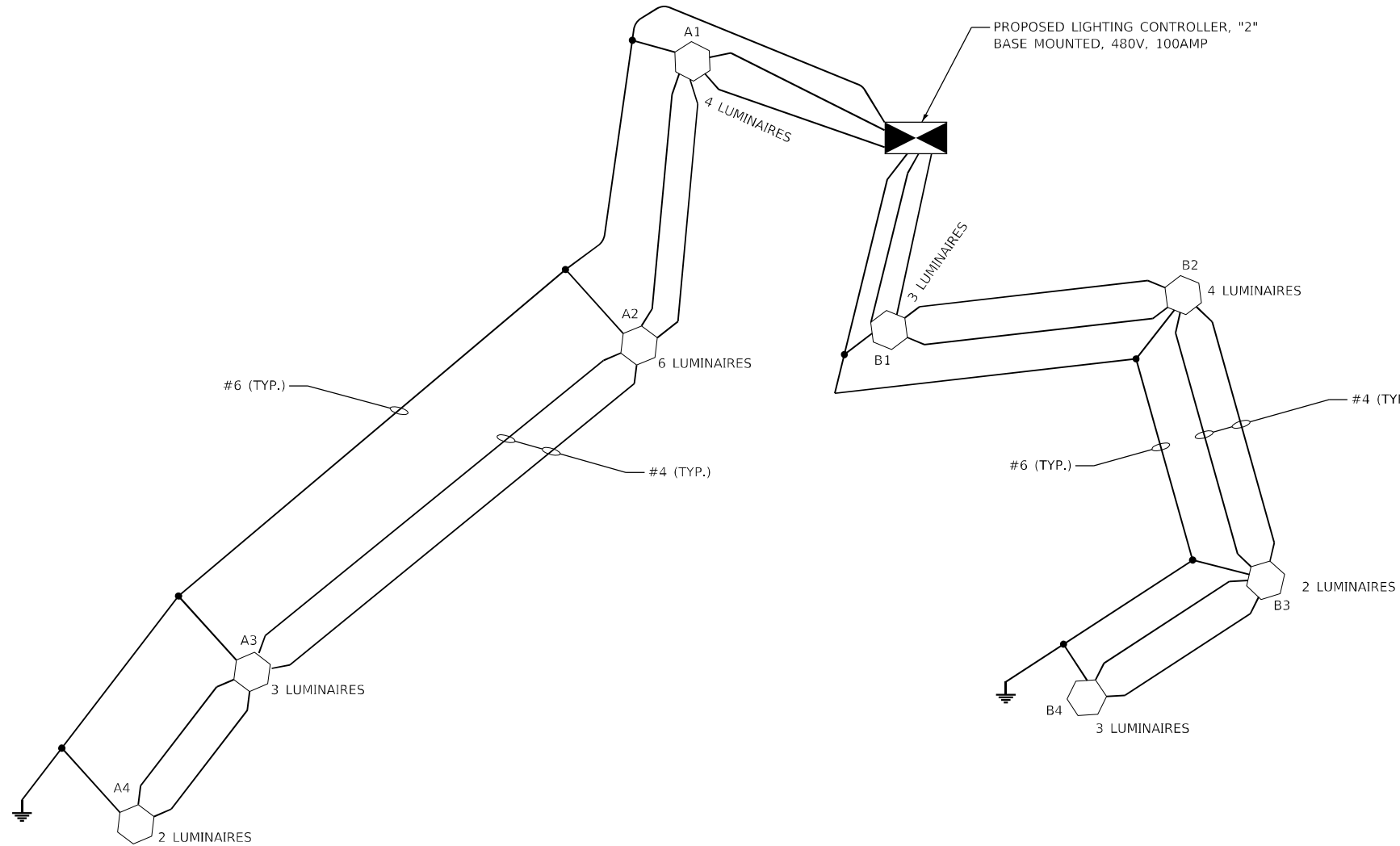
-  PROPOSED LIGHTING CONTROLLER "2" 480V, 1 PHASE, 3 WIRE 100 AMP, WITH 2P BRANCH CIRCUIT BREAKERS, BASE MOUNTED
-  UNIT DUCT
-  PROPOSED LIGHT TOWER WITH LUMINAIRES OUTPUT DESIGNATION H
-  GROUND ROD (AT EACH POLE PER STANDARDS)

LOAD TABLE LIGHTING CONTROLLER "2"

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

CIRCUIT	TOTAL NO. OF LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	15	10.80	4,650
B	12	8.64	3,720
C	SPARE	-	-
D	SPARE	-	-
E	SPARE	-	-
F	SPARE	-	-
TOTAL	27	19.44	8,370

TOTAL LOAD IN WATTS 8,370
TOTAL LOAD IN AMPS 19.44



27

MODEL: I:\MODEL\NAME FILE: NAME: 0212565light-30.dgn

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

USER NAME = mdlctche	DESIGNED - MH	REVISED -
DRAWN - MD	CHECKED - BL	REVISED -
PLOT SCALE = 100,0000 ' / in.	DATE - 03-03-2023	REVISED -
PLOT DATE = 3/3/2023		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





**CONTROLLER 2 - WIRING DIAGRAM
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76M86	

LT-30

LEGEND

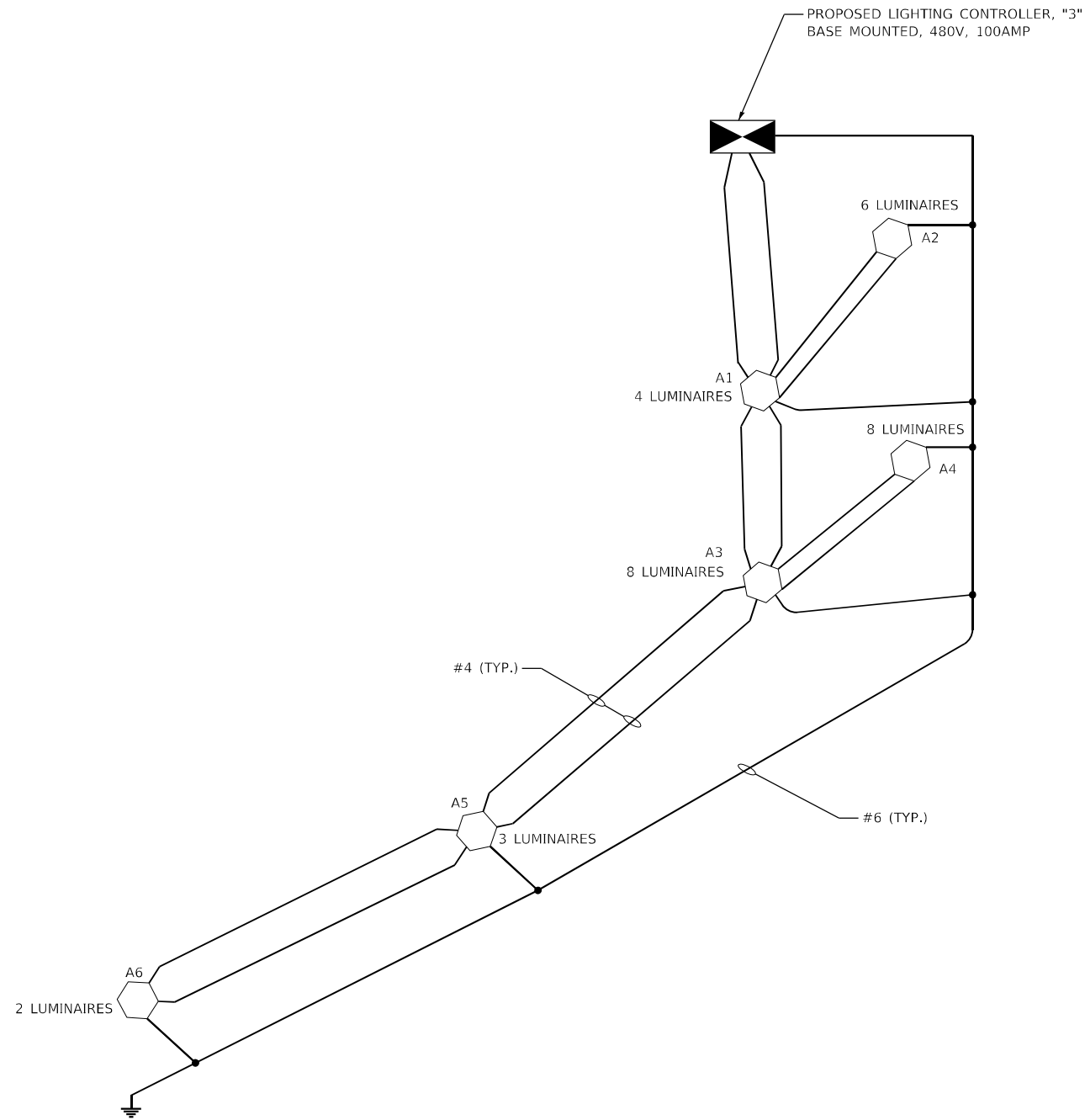
-  PROPOSED LIGHTING CONTROLLER "3" 480V, 1 PHASE, 3 WIRE 100 AMP, WITH 2P BRANCH CIRCUIT BREAKERS, BASE MOUNTED
-  UNIT DUCT
-  PROPOSED LIGHT TOWER WITH LUMINAIRES OUTPUT DESIGNATION H
-  GROUND ROD (AT EACH POLE PER STANDARDS)

LOAD TABLE LIGHTING CONTROLLER "3"

480V, A.C. 1 PHASE, 3 WIRE, 100A WITH 30 AMP 2P BRANCH CIRCUIT BREAKERS

CIRCUIT	TOTAL NO. OF LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	31	22.3	9,610
B	SPARE	-	-
C	SPARE	-	-
D	SPARE	-	-
E	SPARE	-	-
F	SPARE	-	-
TOTAL	31	22.3	9,610

TOTAL LOAD IN WATTS 9,610
 TOTAL LOAD IN AMPS 22.3







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PLOT DATE = 3/3/2023	CHECKED - BL	REVISED -
	DATE - 03-03-2023	REVISED -

F.A.J. RTE. 70	SECTION 82-3, 4HL-4	COUNTY ST. CLAIR	TOTAL SHEETS 81	SHEET NO. 37
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				

LEGEND

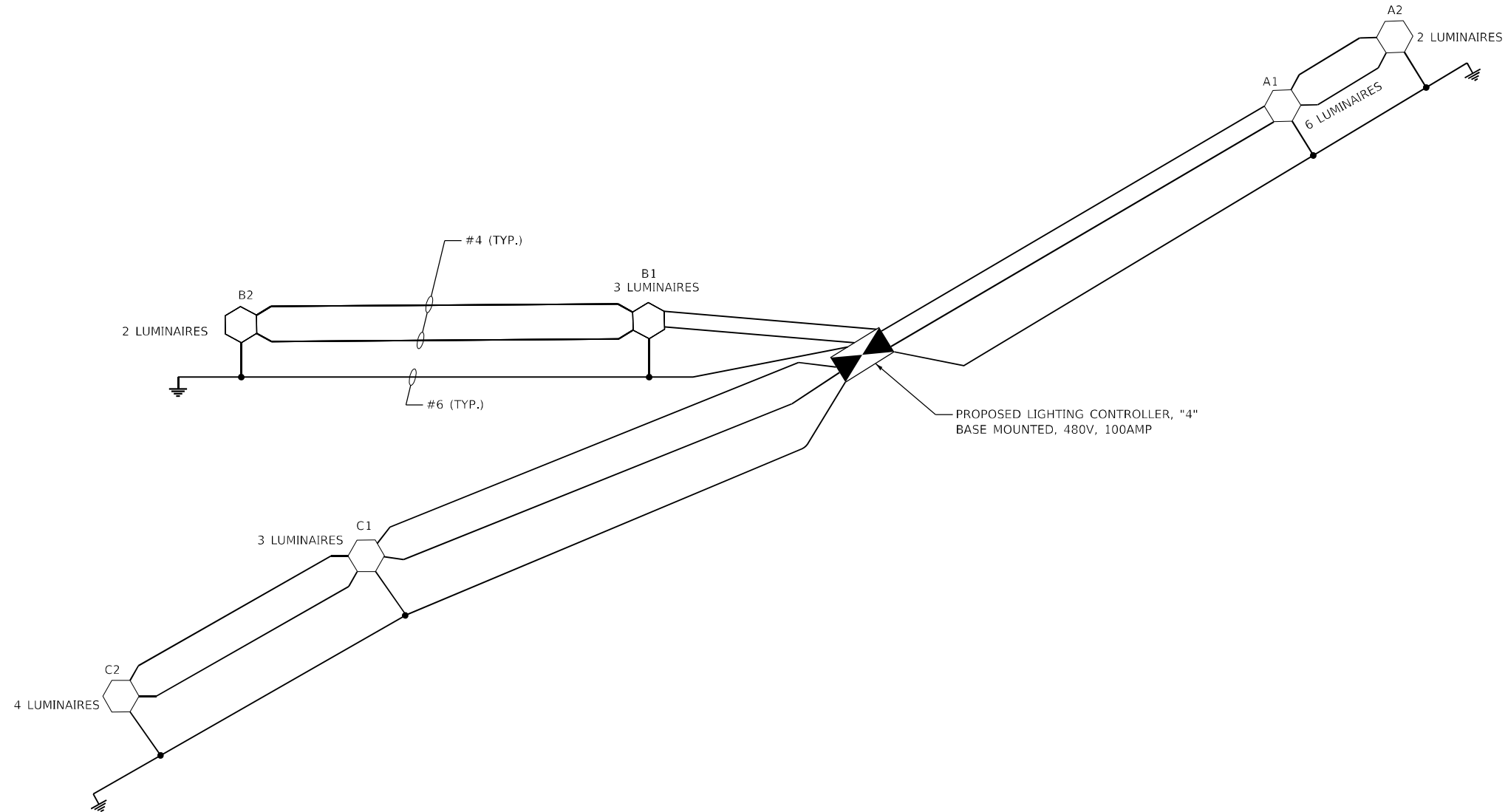
-  PROPOSED LIGHTING CONTROLLER "4" 480V, 1 PHASE, 3 WIRE 100 AMP, WITH 2P BRANCH CIRCUIT BREAKERS, BASE MOUNTED
-  UNIT DUCT
-  PROPOSED LIGHT TOWER WITH LUMINAIRES OUTPUT DESIGNATION H
-  GROUND ROD (AT EACH POLE PER STANDARDS)

LOAD TABLE LIGHTING CONTROLLER "4"

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

CIRCUIT	TOTAL NO. OF LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	8	5.8	2,480
B	5	3.6	1,550
C	7	5.0	2,170
D	SPARE	-	-
E	SPARE	-	-
F	SPARE	-	-
TOTAL	20	14.4	6,200

TOTAL LOAD IN WATTS 6,200
TOTAL LOAD IN AMPS 14.4



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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLER 4 - WIRING DIAGRAM
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	38
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				






LOAD TABLE LIGHTING CONTROLLER "5A"

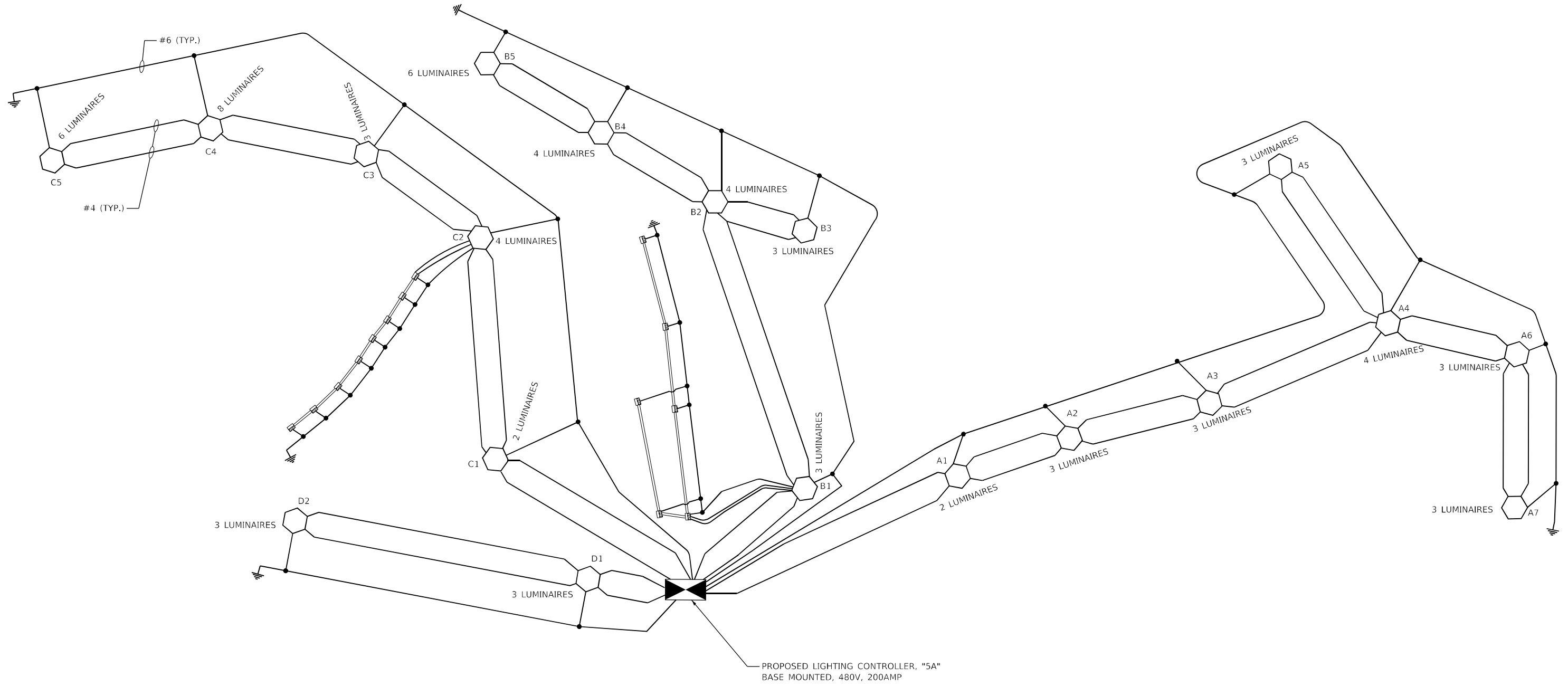
480V, A.C. 1 PHASE, 3 WIRE, 200A WITH 30 AMP 2P BRANCH CIRCUIT BREAKERS

CIRCUIT	NO. OF HIGHMAST LUMINAIRES	NO. OF UNDRPASS LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	21	-	15.1	6,510
B	20	6	16.5	7,100
C	23	8	19.4	8,330
D	6	-	4.3	1,860
E	SPARE	-	-	-
F	SPARE	-	-	-
TOTAL	70	14	55.3	23,800

TOTAL LOAD IN WATTS 23,800
TOTAL LOAD IN AMPS 55.3

LEGEND

-  PROPOSED LIGHTING CONTROLLER "5A" 480V, 1 PHASE, 3 WIRE 200 AMP, WITH 2P BRANCH CIRCUIT BREAKERS, BASE MOUNTED
-  UNIT DUCT
-  PROPOSED LIGHT TOWER WITH LUMINAIRES OUTPUT DESIGNATION H
-  GROUND ROD (AT EACH POLE PER STANDARDS)
-  EXISTING UNDERPASS LUMINAIRE



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

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONTROLLER 5A - WIRING DIAGRAM
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	39
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

LEGEND

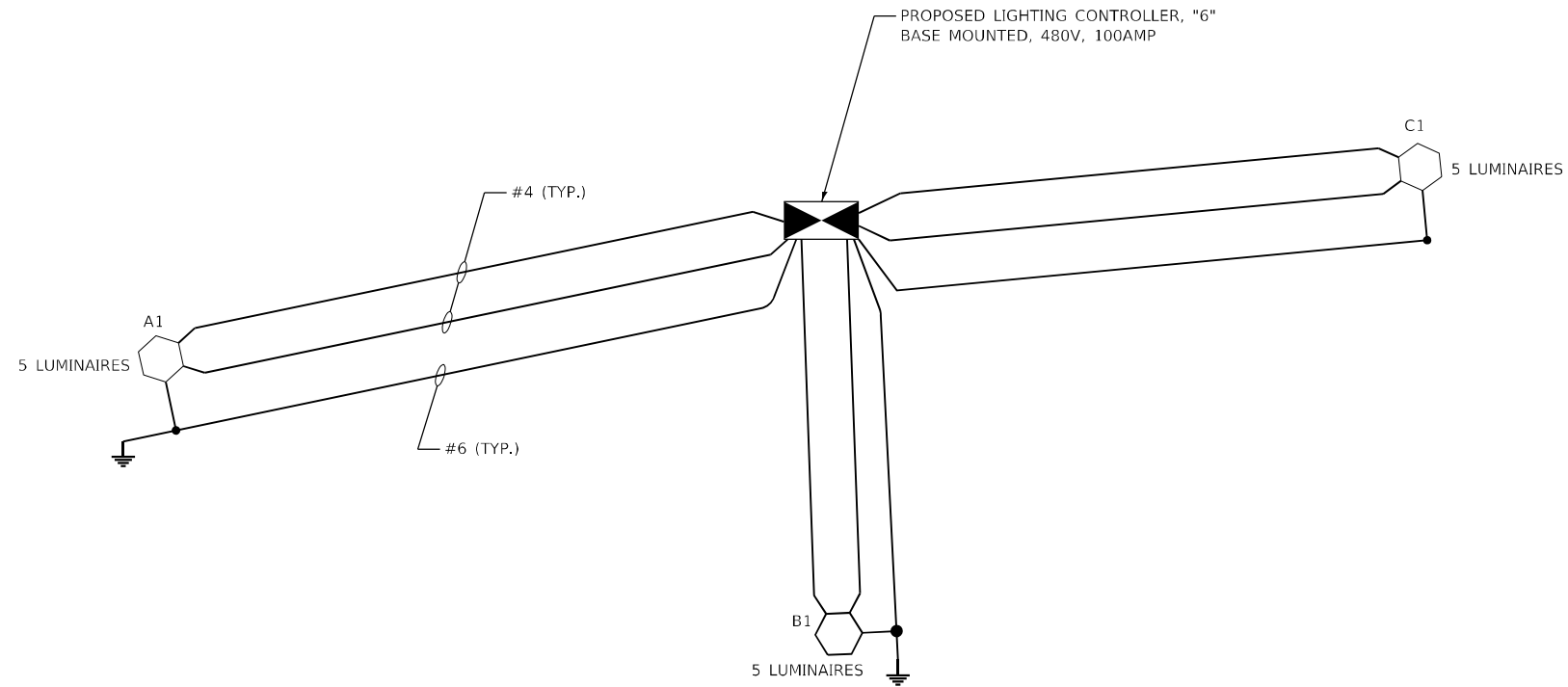
-  PROPOSED LIGHTING CONTROLLER "6" 480V, 1 PHASE, 3 WIRE
100 AMP, WITH 2P BRANCH CIRCUIT BREAKERS, BASE MOUNTED
-  UNIT DUCT
-  PROPOSED LIGHT TOWER WITH LUMINAIRES OUTPUT DESIGNATION H
-  GROUND ROD (AT EACH POLE PER STANDARDS)

LOAD TABLE LIGHTING CONTROLLER "6"

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

CIRCUIT	TOTAL NO. OF LUMINAIRES	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	5	3.6	1,550
B	5	3.6	1,550
C	5	3.6	1,550
D	SPARE	-	-
E	SPARE	-	-
F	SPARE	-	-
TOTAL	15	10.8	4,650

TOTAL LOAD IN WATTS 4,650
TOTAL LOAD IN AMPS 10.8



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

USER NAME = mdlctche	DESIGNED - MH	REVISED -
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PLOT SCALE = 100,0000' / in.	CHECKED - BL	REVISED -
PLOT DATE = 3/3/2023	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROLLER 6 - WIRING DIAGRAM
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.J. RTE. 70	SECTION 82-3, 4HL-4	COUNTY ST. CLAIR	TOTAL SHEETS 81	SHEET NO. 40
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				



Luminaire Performance Table



Project

Date	Contract Number	Section Number	County
08/02/22	76M86	82-3, 4HL-4	St. Clair
Marked Route Number		Municipality	
I-55/70/64		East St. Louis	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
12ft	8	N/A	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires
			(Highmast & Sign Lighting Only)
100ft	0ft	45ft	5

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution	
Highmast, Output Designation H	Type IV	Short	
Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U=0	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
700ft	Two Rows, Staggered

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}		
0.9	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}
0.6	3.5	6.0	less than or equal to 0.3:1

Light Trespass

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

Calculations shall be performed with four lanes in one direction only.

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

Printed 08/02/22

BDE 5630 (04/10/19)

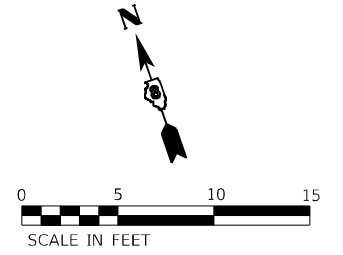
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	41
			CONTRACT NO. 76M86	
			ILLINOIS FED. AID PROJECT	

LANDSCAPING LEGEND

 AGGREGATE BASE COURSE - TYPE CA-16



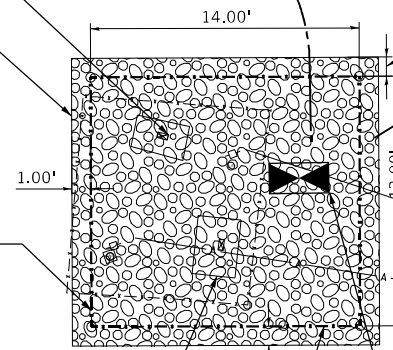
EBI-55/64 TO IL RTE 3 RAMP

10+00

11+00

EXISTING LIGHTING CONTROLLER TO BE REMOVED

7.4 TON - AGGREGATE BASE COURSE - TYPE CA-16 - 8"



54' - CHAIN LINK FENCE, 8' (SPECIAL)

EXISTING ITS CONTROLLER TO REMAIN

CHAIN LINK GATES (SPECIAL) - 8'X4' SINGLE

PROPOSED LIGHTING CONTROLLER #1
TOP OF FOUNDATION = 411.40'

EX ROW

EX ROW

PR ROW

PR ROW

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

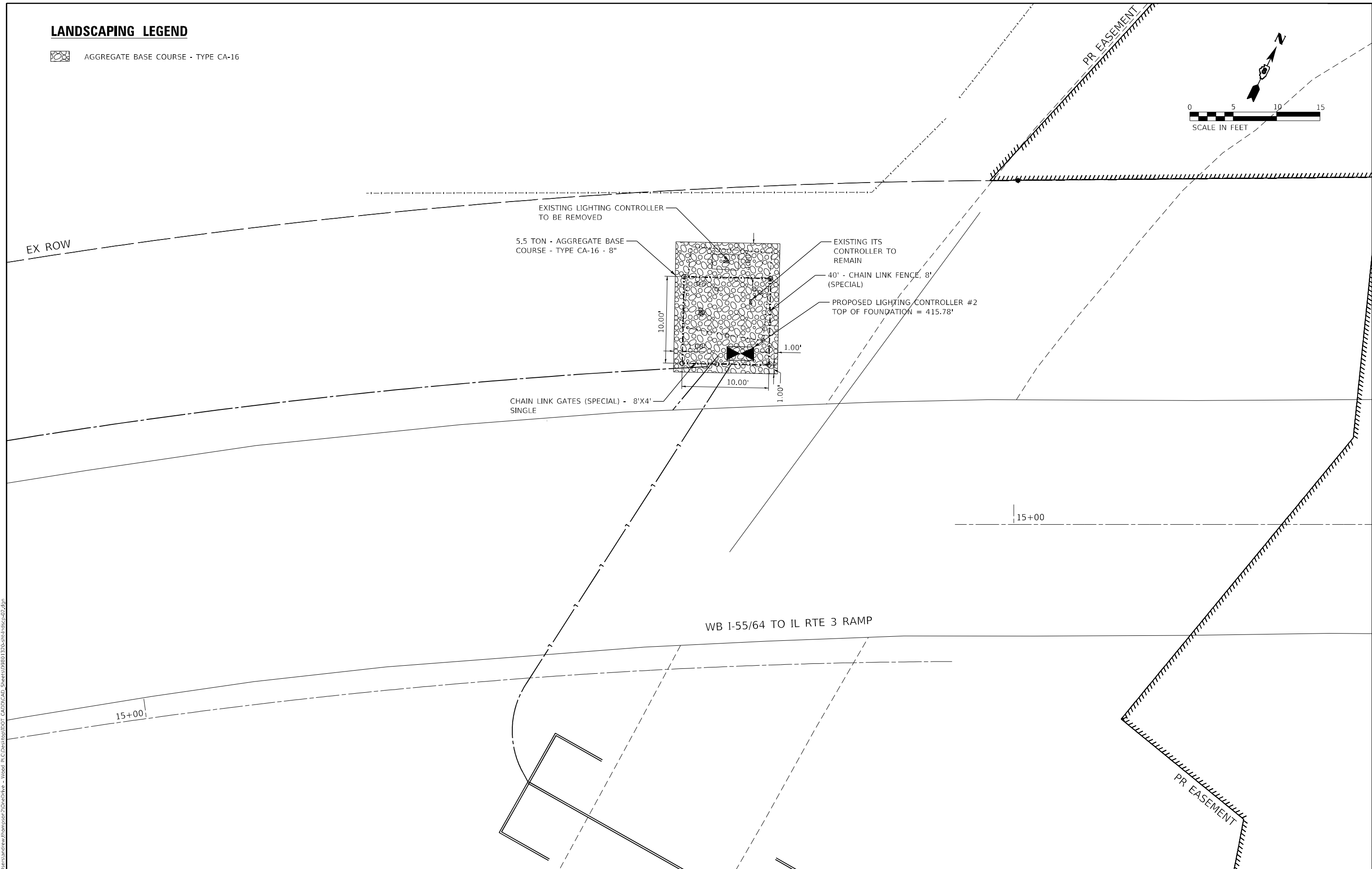
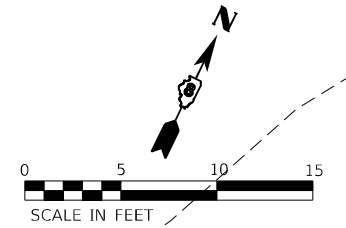
**PROPOSED CONTROLLER #1
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
IL-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=5' SHEET 1 OF 6 SHEETS STA. 9+90 TO STA. 11+48

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	42
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				

LANDSCAPING LEGEND

 AGGREGATE BASE COURSE - TYPE CA-16



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

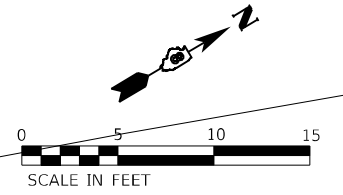
**PROPOSED CONTROLLER #2
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
IL-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=5' SHEET 2 OF 6 SHEETS STA. 14+86 TO STA. 15+94

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	43
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

LANDSCAPING LEGEND

 AGGREGATE BASE COURSE - TYPE CA-16



EX ROW

WB I-55/64 TO TUDOR AVE RAMP

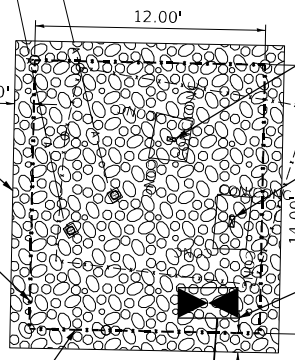
11+00

10+00

6.9 TON - AGGREGATE BASE COURSE - TYPE CA-16 - 8"

52' - CHAIN LINK FENCE, 8' (SPECIAL)

CHAIN LINK GATES (SPECIAL) - 8'X4' SINGLE



EXISTING ITS CONTROLLER TO REMAIN

EXISTING LIGHTING CONTROLLER TO BE REMOVED

PROPOSED LIGHTING CONTROLLER #3
TOP OF FOUNDATION = 411.18'

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


**PROPOSED CONTROLLER #3
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
IL-64 (TRI-LEVEL) INTERCHANGE**

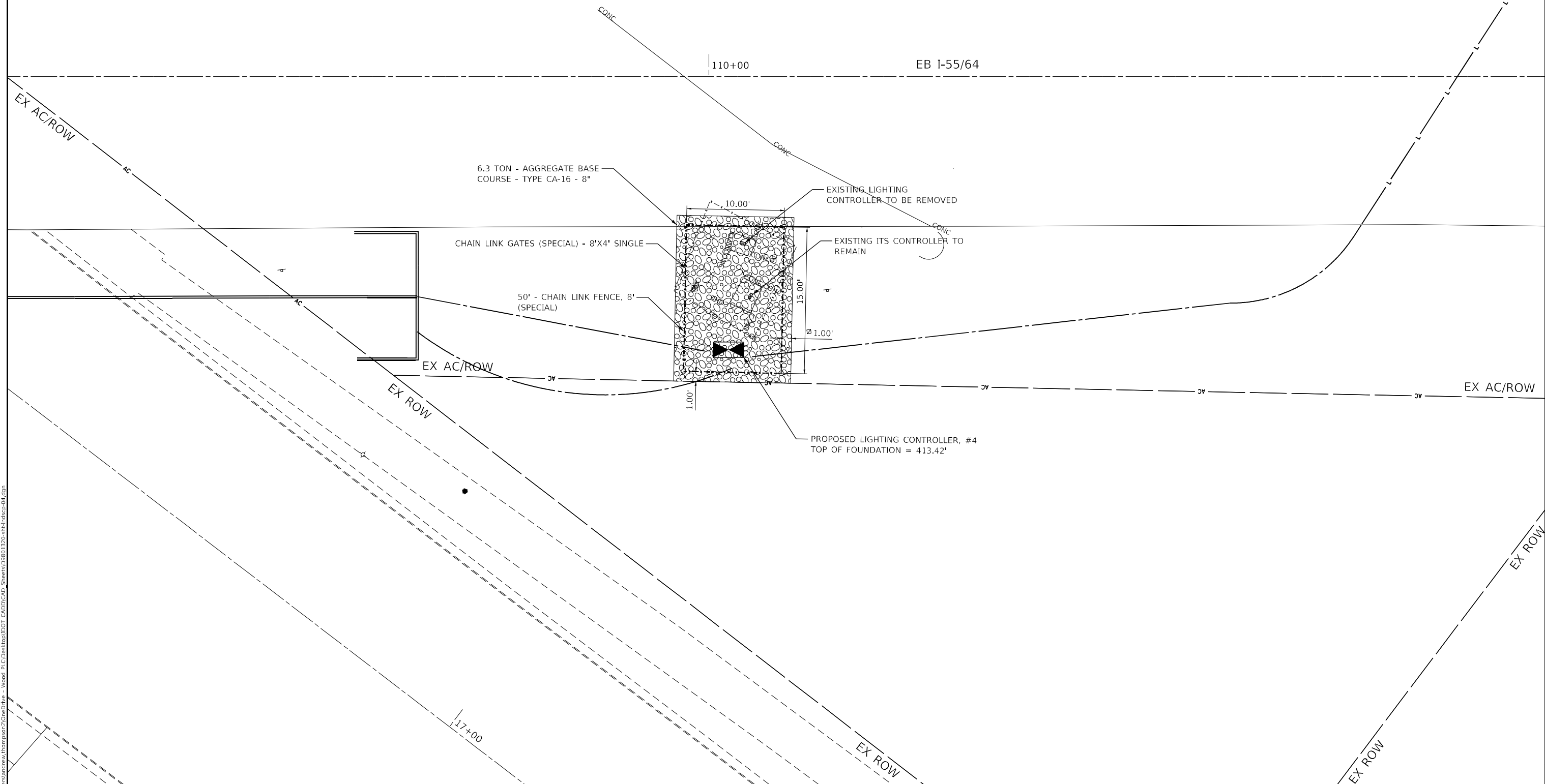
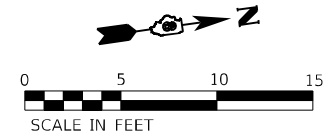
SCALE: 1"=5' SHEET 3 OF 6 SHEETS STA. 9+87 TO STA. 11+50

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	44
			CONTRACT NO. 76M86	

ILLINOIS FED. AID PROJECT

LANDSCAPING LEGEND

 AGGREGATE BASE COURSE - TYPE CA-16



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CONTROLLER #4
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
IL-64 (TRI-LEVEL) INTERCHANGE**

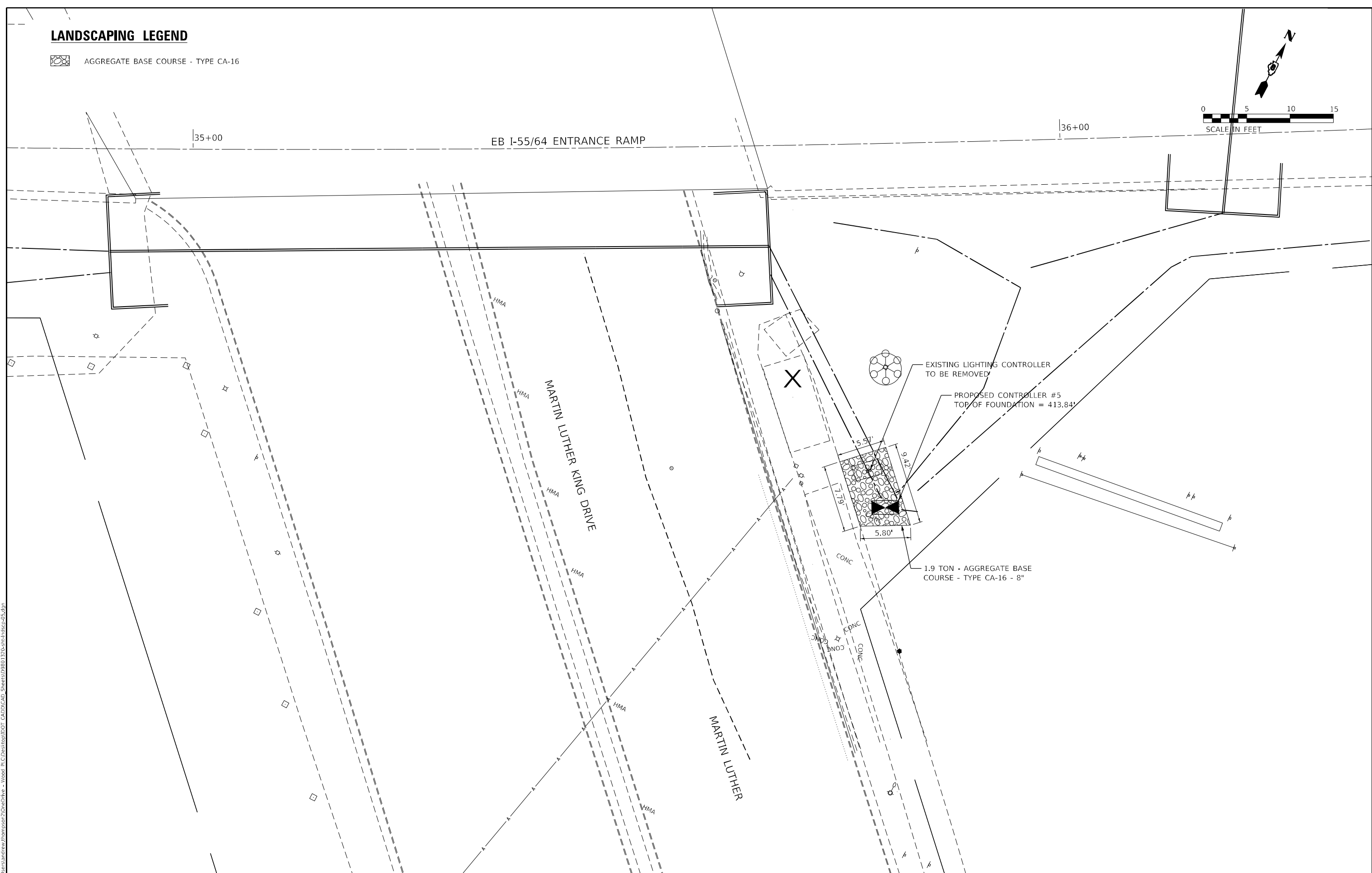
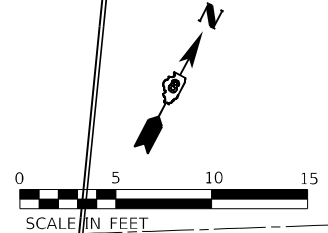
SCALE: 1"=5' SHEET 4 OF 6 SHEETS STA. 109+28 TO STA. 110+86

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	45
			CONTRACT NO. 76M86	

ILLINOIS FED. AID PROJECT

LANDSCAPING LEGEND

 AGGREGATE BASE COURSE - TYPE CA-16



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CONTROLLER #5
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
IL-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=5' SHEET 5 OF 6 SHEETS STA. 34+88 TO STA. 36+36

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	46
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

SIGN REMOVAL

ASSEMBLY ID	LEGEND/DESCRIPTION	ALIGNMENT	STATION	W (FT)	H (FT)	72400330	73800900
						REMOVE SIGN PANEL - TYPE 3 SQ FT	REMOVE OVERHEAD SIGN STRUCTURE WALKWAY FOOT
8S0825003R009.6	ST LOUIS	ROADWAY E	52+58	12	10	120	
	CHICAGO / INDIANAPOLIS			14	12	168	
8S0521055R001.1	ROUTE DESTINATION	ROADWAY H / RAMP T	87+41	12	12	144	68
	BUSINESS DISTRICT			14	11	154	
	WELCOME TO ILLINOIS			14	7	98	
8S0821055R001.2	SIGN PANELS TO REMAIN	ROADWAY H / RAMP T	94+18			0	82
8S0821055R001.6	WELCOME TO ILLINOIS	I-55N/70E/64E	13+90	14	7	98	
	CHICAGO / INDIANAPOLIS			21	14	294	
	LOUISVILLE / ST CLAIR AVE			18	12.5	225	
8S0821055R001.7	CHICAGO / INDIANAPOLIS	RAMP C	79+02	16.5	14.5	239.25	
	WELCOME TO ILLINOIS			9	4	36	
	ML KING DRIVE			13.5	14.5	195.75	
8S0821055L001.8	THIRD STREET EADS BRIDGE	I-55S/70W/64W	27+20	14.5	13	188.5	60
	ST LOUIS			12	12.5	150	
	ST LOUIS / CAHOKIA HTS			12	12.5	150	
8S0821055L002.1	ML KING BRIDGE / DOWNTOWN ST LOUIS	I-55S/70W/64W / RAMP 2-WB	39+07	24.5	14.5	355.25	
	THIRD STREET EADS BRIDGE			14.5	11	159.5	
	ST LOUIS			22	14.5	319	
	ML KING BRIDGE / DOWNTOWN ST LOUIS			24.5	14.5	355.25	
8S0821055L002.4	ML KING BRIDGE / DOWNTOWN ST LOUIS	I-55S/70W/64W / RAMP 2-WB	50+58	24.5	14.5	355.25	
	ST LOUIS			30	14.5	435	
	ML KING BRIDGE / DOWNTOWN ST LOUIS			24.5	14.5	355.25	
TOTAL						4,595	210

PROPOSED SIGNS

ASSEMBLY ID	SIGN ID	LEGEND/DESCRIPTION	ALIGNMENT	STATION	SHEETING	COLOR	MOUNTING TYPE	W (FT)	H (FT)	72000300	73301810
										SIGN PANEL - TYPE 3 SQ FT	OVERHEAD SIGN STRUCTURE WALKWAY - TYPE A FOOT
8S0825003R009.6	NB-TR-001-01	ST LOUIS	ROADWAY E	52+58	ZZ	GREEN	OVERHEAD	12.0	12.0	144	
	NB-TR-001-02	CHICAGO / INDIANAPOLIS								276	
8S0521055R001.1	NB-TR-002-01	ROUTE DESTINATION	ROADWAY H / RAMP T	87+41	ZZ	GREEN	OVERHEAD	17.0	16.0	272	68
	NB-TR-002-02	BUSINESS DISTRICT								319	
	NB-TR-002-03	WELCOME TO ILLINOIS (PROVIDED BY IDOT)								98	
8S0821055R001.2		SIGN PANELS TO REMAIN	ROADWAY H / RAMP T	94+18						0	82
8S0821055R001.6	NB-TR-003-01	WELCOME TO ILLINOIS (PROVIDED BY IDOT)	I-55N/70E/64E	13+90			OVERHEAD	14.0	7.0	98	
	NB-TR-003-02	CHICAGO / INDIANAPOLIS								225	
	NB-TR-003-03	LOUISVILLE / ST CLAIR AVE								308	
8S0821055R001.7	NB-TR-004-01	CHICAGO / INDIANAPOLIS	RAMP C	79+02			OVERHEAD	16.0	15.5	248	
	NB-TR-004-02	WELCOME TO ILLINOIS (PROVIDED BY IDOT)								98	
	NB-TR-004-03	ML KING DRIVE								99	
8S0821055L001.8	SB-TR-002-01	THIRD STREET EADS BRIDGE	I-55S/70W/64W	27+20			OVERHEAD	15.5	16.5	256	60
	SB-TR-002-02	ST LOUIS								186	
	SB-TR-002-03	ST LOUIS / CAHOKIA HTS								218	
8S0821055L002.1	SB-TR-001-01	ML KING BRIDGE / DOWNTOWN ST LOUIS	I-55S/70W/64W / RAMP 2-WB	39+07			OVERHEAD	22.5	15.5	349	
	SB-TR-001-02	THIRD STREET EADS BRIDGE								264	
	SB-TR-001-03	ST LOUIS								276	
	SB-TR-001-04	ML KING BRIDGE / DOWNTOWN ST LOUIS								315	
8S0821055L002.4	SB-TR-003-01	ML KING BRIDGE / DOWNTOWN ST LOUIS	I-55S/70W/64W / RAMP 2-WB	50+58			OVERHEAD	22.5	15.5	349	
	SB-TR-003-02	ST LOUIS								360	
	SB-TR-003-03	ML KING BRIDGE / DOWNTOWN ST LOUIS								315	
TOTAL										5,073	210

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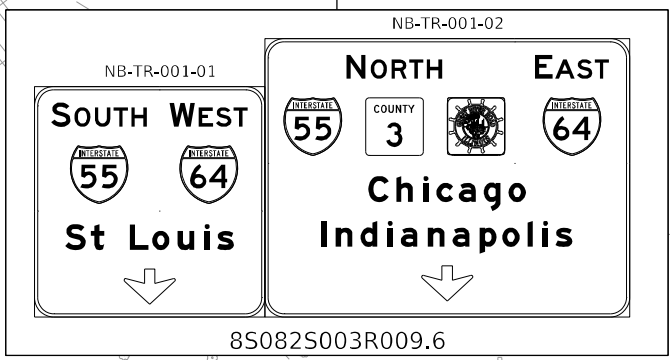
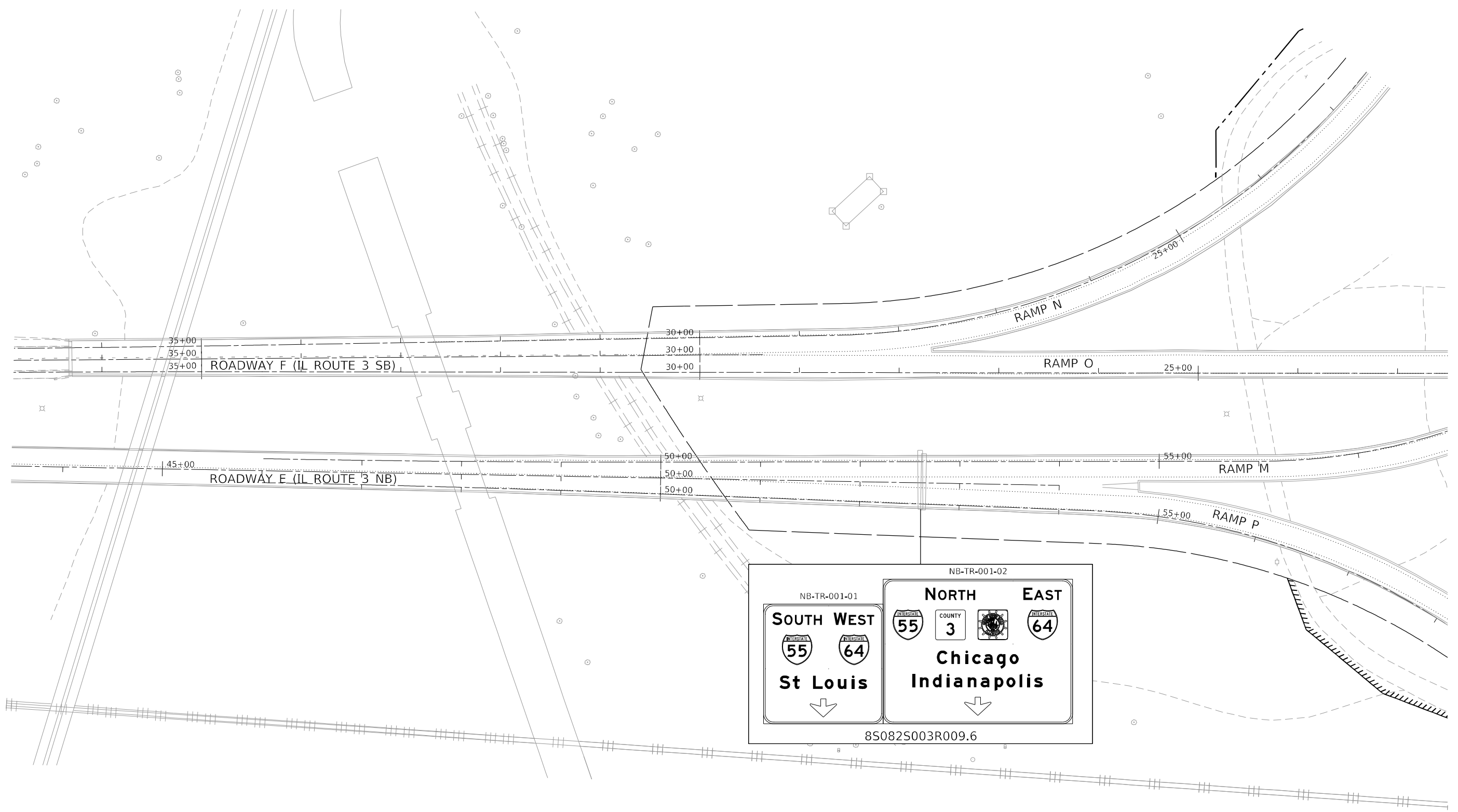
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	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING SCHEDULE
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 0+00 TO STA. 0+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	48
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



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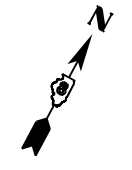
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PLOT DATE = 3/3/2023	DATE - 03-03-2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

SCALE: 1"=50' SHEET 1 OF 6 SHEETS STA. 0+00 TO STA. 0+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	49
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



SB-TR-001-01	SB-TR-001-02	SB-TR-001-03	SB-TR-001-04
LEFT EXIT 2 B ML King Bridge Downtown St Louis EXIT ONLY	LEFT EXIT 2 A Third Street Eads Bridge NEXT LEFT	SOUTH WEST St Louis 	EXIT 2 C ML King Bridge Downtown St Louis EXIT ONLY

8S082I055L002.1



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 CONTRACT: 76M86



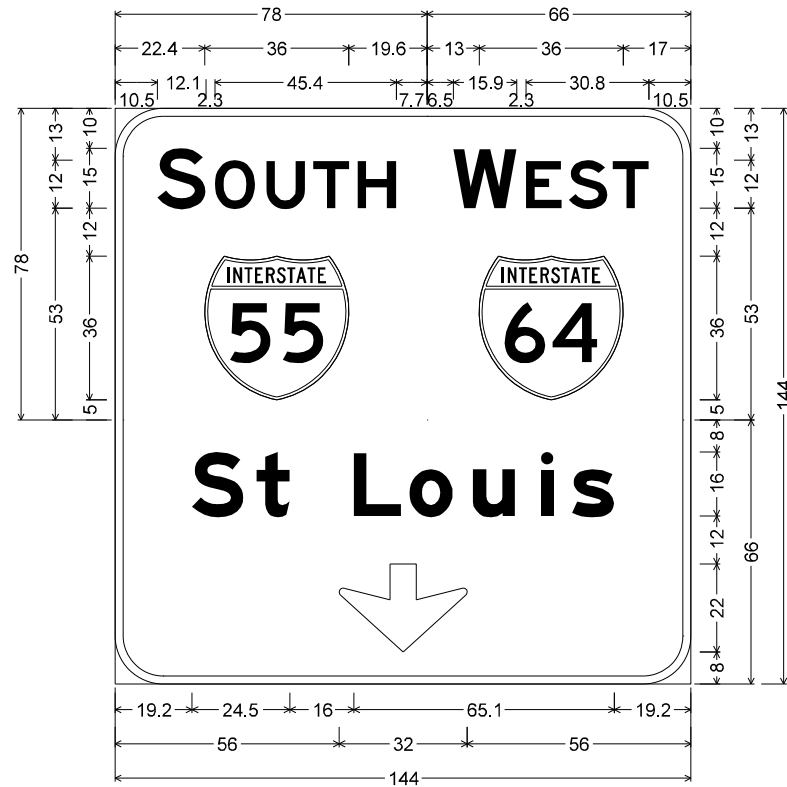
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN			
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF I-64 (TRI-LEVEL) INTERCHANGE			
SCALE: 1"=50'	SHEET 5 OF 6 SHEETS	STA. 0+00 TO STA. 0+00	

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	53
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

SIGN NUMBER: NB-TR-001-01



12.0" Radius, 2.0" Border, White on Green;
"SOUTH", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"WEST", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"St Louis", E Mod 2K; Down Arrow 22.0" 270°;

Table of letter and object lefts

S	O	U	T	H
10.5	24.9	37.8	49.5	60.6

22.4

W	E	S	T
84.5	102.7	113.4	124.5

91.0

S	t	L	o	u	i	s
19.2	35.4	59.7	73.6	89.4	106.4	114.2

56.0

SIGN NUMBER: NB-TR-001-02



12.0" Radius, 2.0" Border, White on Green;
"NORTH", E 2K; Rounded Rectangle 4.0" Radius;

12.0" Radius, 2.0" Border, White on Green;
"EAST", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"Chicago", E Mod 2K; "Indianapolis", E Mod 2K; Down Arrow 22.0" 270°;

Table of letter and object lefts

N	O	R	T	H
51.1	66.3	79.1	90.2	101.2

12.0	63.0	114.0
------	------	-------

E	A	S	T
168.8	181.6	195.1	206.2

174.0

C	h	i	c	a	g	o
64.7	82.2	99.1	107.3	121.4	136.9	152.4

I	n	d	i	a	n	a	p	o	l	i	s
35.7	44.3	59.8	76.8	85.0	101.9	117.4	134.4	148.5	164.3	173.9	181.8

98.0

NOTE

TYPE ZZ SHEETING SHALL BE USED FOR ALL GREEN SIGN PANELS.

ALL ARROWS (DOWN OR 45 DEGREE) USED ON OVERHEAD SIGNS SHALL BE DEMOUNTABLE AND INCLUDED IN THE COST OF THE SIGN PANEL.

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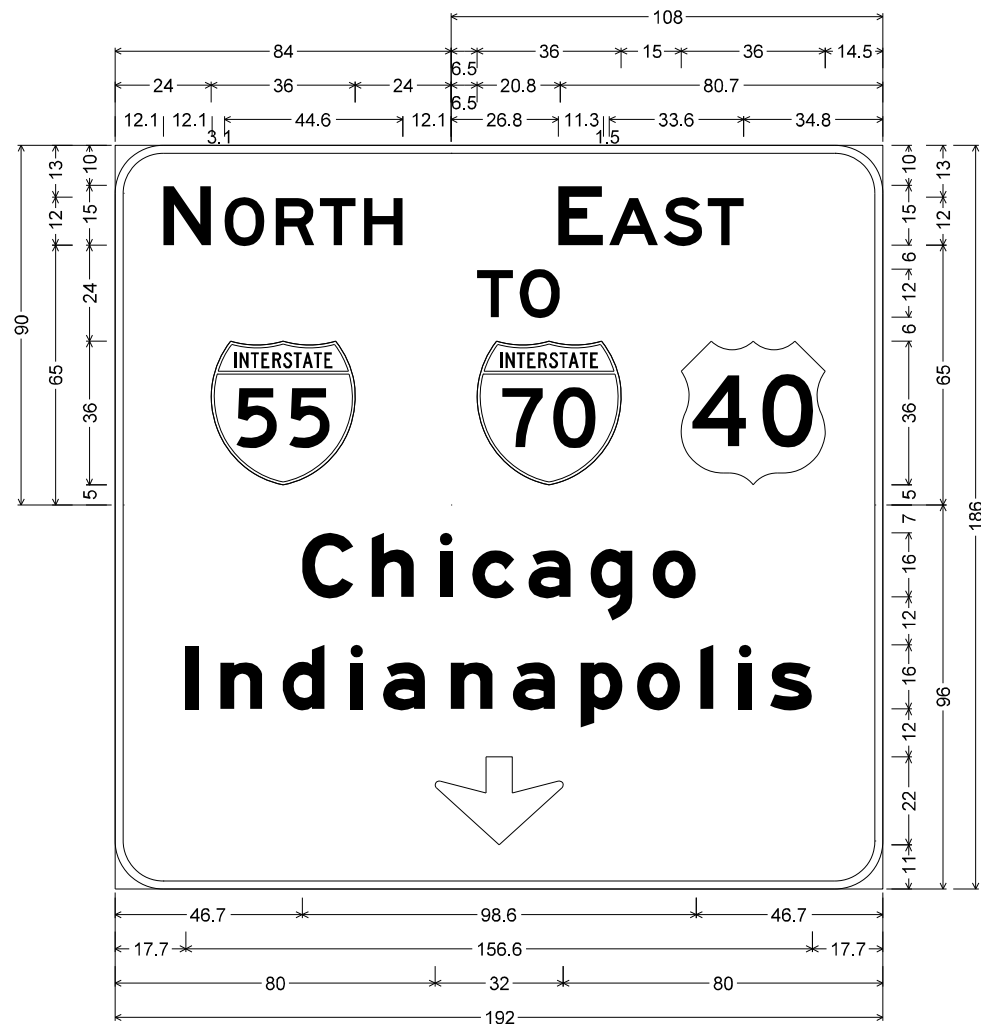
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NB-TR-001 GUIDE SIGN PANEL DETAILS
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50' SHEET 1 OF 9 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	56
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				

SIGN NUMBER: NB-TR-004-01



12.0" Radius, 2.0" Border, White on Green;
"NORTH", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"EAST", E 2K; "TO", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"Chicago", E Mod 2K; "Indianapolis", E Mod 2K; Down Arrow 22.0" 270";

Table of letter and object lefts

N	O	R	T	H
12.1	27.3	40.1	51.2	62.2

55
24.0

E	A	S	T
110.8	123.6	137.1	148.2

T	O
90.5	101.2

70	40
90.5	141.5

C	h	i	c	a	g	o
46.7	64.2	81.1	89.3	103.4	118.9	134.4

I	n	d	i	a	n	a	p	o	l	i	s
17.7	26.3	41.8	58.8	67.0	83.9	99.4	116.4	130.5	146.3	155.9	163.8

↓
80.0

SIGN NUMBER: NB-TR-004-03



12.0" Radius, 2.0" Border, White on Green;
"ML King", E Mod 2K; "Drive", E Mod 2K;
Arrow 160 - 35.0" 45";

Table of letter and object lefts

M	L	K	i	n	g
16.2	35.6	63.4	80.1	89.7	105.2

D	r	i	v	e
34.2	52.0	63.8	71.7	87.2

↗
52.2

NOTE

TYPE ZZ SHEETING SHALL BE USED FOR ALL GREEN SIGN PANELS.

ALL ARROWS (DOWN OR 45 DEGREE) USED ON OVERHEAD SIGNS SHALL BE DEMOUNTABLE AND INCLUDED IN THE COST OF THE SIGN PANEL.

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TRANSYSTEMS

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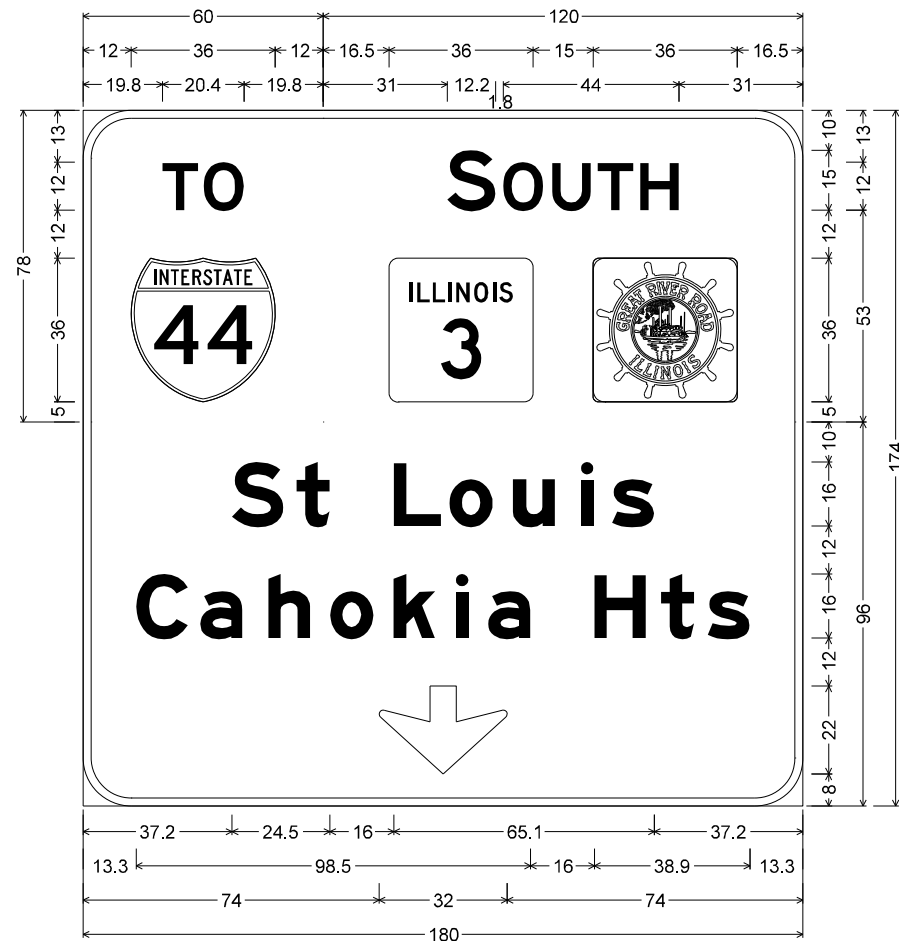
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SB-TR-002 GUIDE SIGN PANEL DETAILS
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50' SHEET 4 OF 9 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	58
			CONTRACT NO. 76M86	
			ILLINOIS FED. AID PROJECT	

SIGN NUMBER: SB-TR-002-03



12.0" Radius, 2.0" Border, White on Green;
 "TO", E 2K 80% spacing;
 12.0" Radius, 2.0" Border, White on Green;
 "SOUTH", E 2K 80% spacing; Rounded Rectangle 3.0" Radius;
 12.0" Radius, 2.0" Border, White on Green;
 "St Louis", E Mod 2K; "Cahokia Hts", E Mod 2K; Down Arrow 22.0" 270°;
 Table of letter and object lefts

T	O								
19.8	30.1								
12.0									
S	O	U	T	H					
91.0	105.0	117.3	128.6	139.3					
76.5	127.5								
S	t	L	o	u	i	s			
37.2	53.4	77.7	91.6	107.4	124.4	132.2			
C	a	h	o	k	i	a	H	t	s
13.3	29.3	46.2	61.8	77.6	93.1	101.3	127.8	144.5	156.2
74.0									

SIGN NUMBER: SB-TR-001-01



12.0" Radius, 2.0" Border, White on Green;
 "EXIT", E 2K 120% spacing;
 12.0" Radius, 2.0" Border, White on Green;
 "2", E 2K; "B", E 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "ML King", E Mod 2K; "Bridge", E Mod 2K; "Downtown St Louis", E Mod 2K;
 12.0" Radius, 2.0" Border, Black on Yellow;
 Down Arrow 22.0" 315°; "EXIT", E Mod 2K 140% spacing; "ONLY", E Mod 2K; Down Arrow 22.0" 315°;
 Table of letter and object lefts

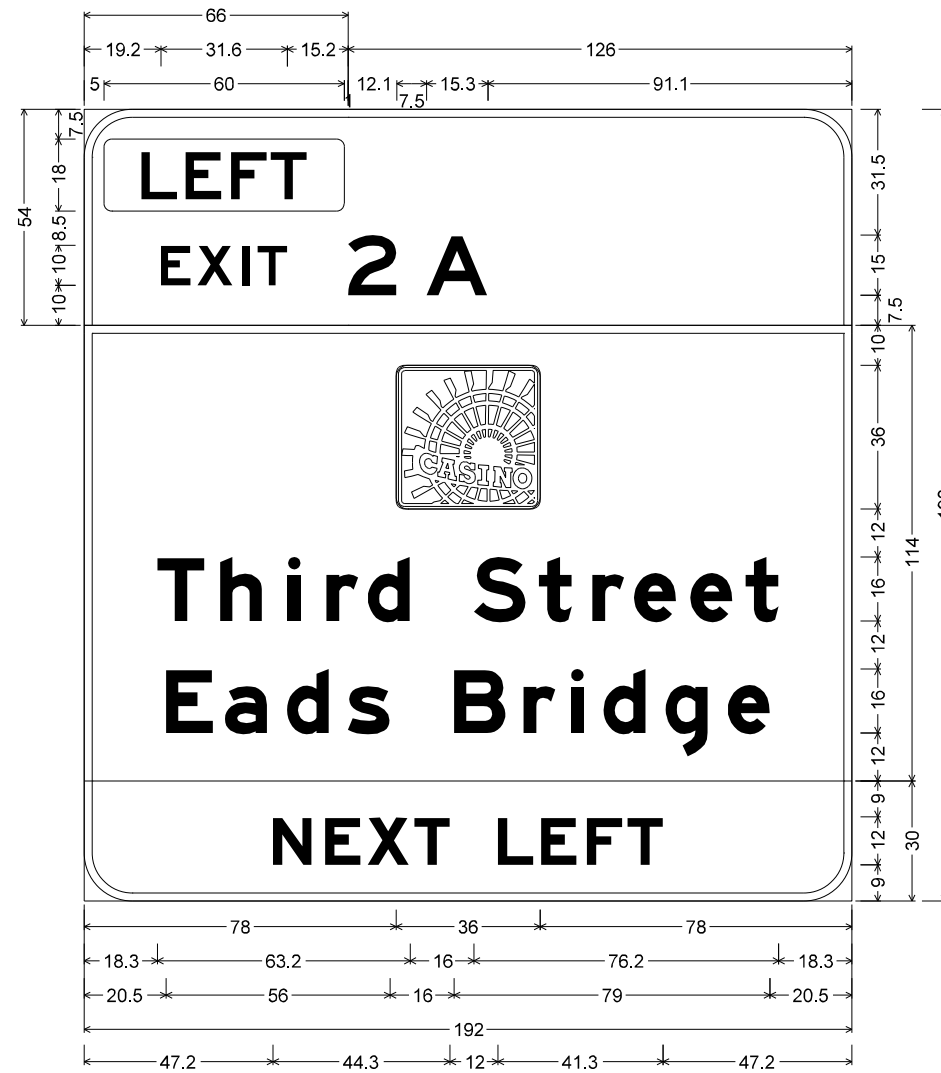
CLAMP	5.0													
E	X	I	T											
19.2	28.4	39.5	43.3											
2	B													
66.0	85.6													
M	L	K	i	n	g									
85.2	104.6	132.4	149.1	158.7	174.2									
B	r	i	d	g	e									
95.5	112.9	124.8	132.9	148.4	164.0									
D	o	w	n	t	o	w	n	S	t	L	o	u	i	s
12.1	28.4	42.5	63.5	78.7	90.7	104.8	125.7	152.3	168.4	192.8	206.7	222.5	239.5	247.3
	E	X	I	T	O	N	L	Y						
46.7	84.9	96.1	110.1	115.5	139.4	152.3	165.4	175.0	200.1					

NOTE

TYPE ZZ SHEETING SHALL BE USED FOR ALL GREEN SIGN PANELS.
 ALL ARROWS (DOWN OR 45 DEGREE) USED ON OVERHEAD SIGNS SHALL BE DEMOUNTABLE AND INCLUDED IN THE COST OF THE SIGN PANEL.
 ALL LEFT PLAQUES SHALL BE BLACK ON YELLOW

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SIGN NUMBER: SB-TR-001-02



12.0" Radius, 2.0" Border, White on Green;
"EXIT", E 2K 120% spacing;

12.0" Radius, 2.0" Border, White on Green;
"2", E 2K; "A", E 2K;

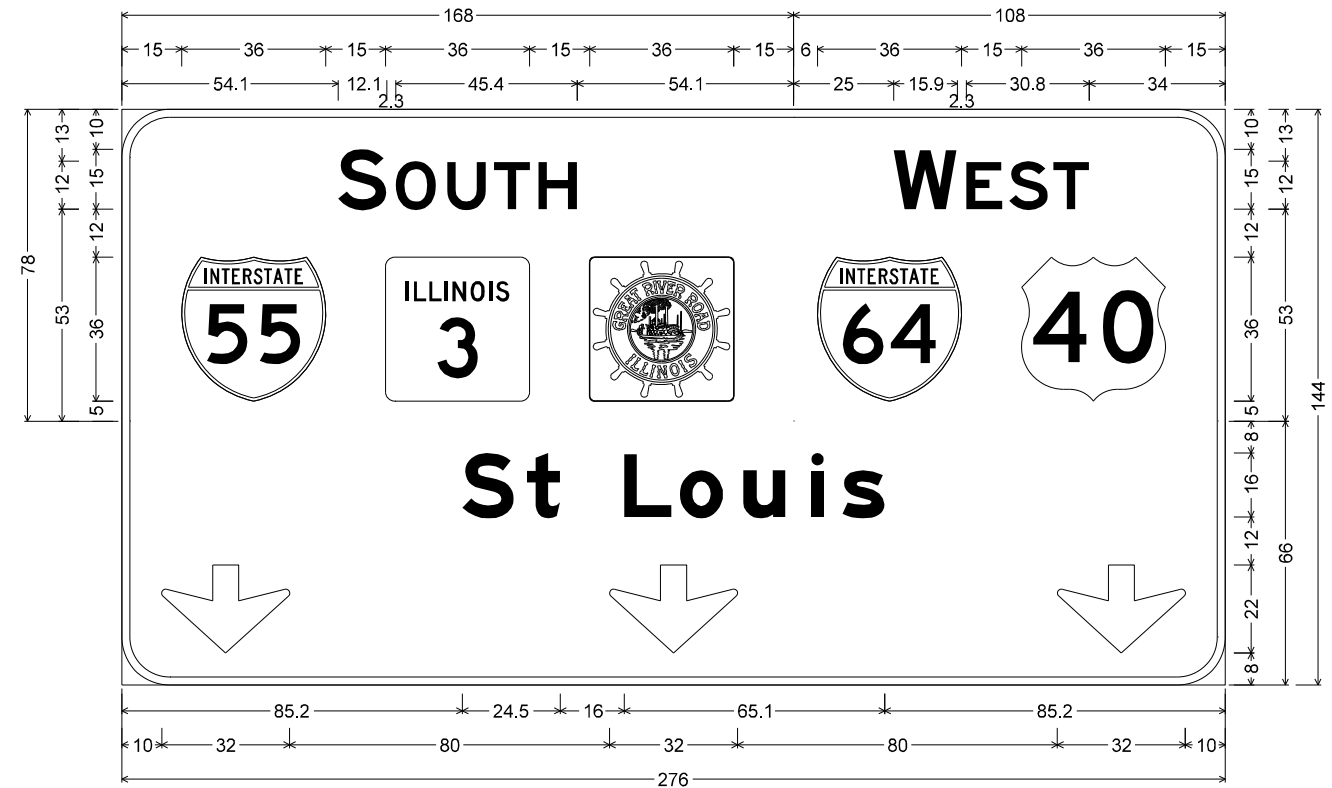
12.0" Radius, 2.0" Border, White on Green;
Rounded Rectangle 3.0" Radius; "Third Street", E Mod 2K;
"Eads Bridge", E Mod 2K;

12.0" Radius, 2.0" Border, Black on Yellow;
"NEXT LEFT", E Mod 2K;

Table of letter and object lefts

LETT:										
5.0										
E	X	I	T							
19.2	28.4	39.5	43.3							
2	A									
66.0	85.7									
78.0										
T	h	i	r	d	S	t	r	e	t	
18.3	34.0	51.0	60.6	71.0	97.5	113.7	127.1	137.5	151.6	165.4
E	a	d	s	B	r	i	d	g	e	
20.5	35.2	50.7	65.9	92.5	109.9	121.8	129.9	145.4	161.0	
N	E	X	T	L	E	F	T			
47.2	60.3	70.9	82.6	103.5	114.3	125.7	135.9			

SIGN NUMBER: SB-TR-001-03



12.0" Radius, 2.0" Border, White on Green;
"SOUTH", E 2K; Rounded Rectangle 1.0" Radius;

12.0" Radius, 2.0" Border, White on Green;
"WEST", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"St Louis", E Mod 2K; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°;

Table of letter and object lefts

S	O	U	T	H		
54.1	68.5	81.4	93.1	104.2		
55	3					
15.0	66.0	117.0				
W	E	S	T			
193.0	211.2	221.9	233.0			
64	40					
174.0	225.0					
S	t	L	o	u	i	s
85.2	101.4	125.7	139.6	155.4	172.4	180.2
↓	↓	↓				
10.0	122.0	234.0				

NOTE

TYPE ZZ SHEETING SHALL BE USED FOR ALL GREEN SIGN PANELS.

ALL ARROWS (DOWN OR 45 DEGREE) USED ON OVERHEAD SIGNS SHALL BE DEMOUNTABLE AND INCLUDED IN THE COST OF THE SIGN PANEL.

ALL LEFT PLAQUES SHALL BE BLACK ON YELLOW

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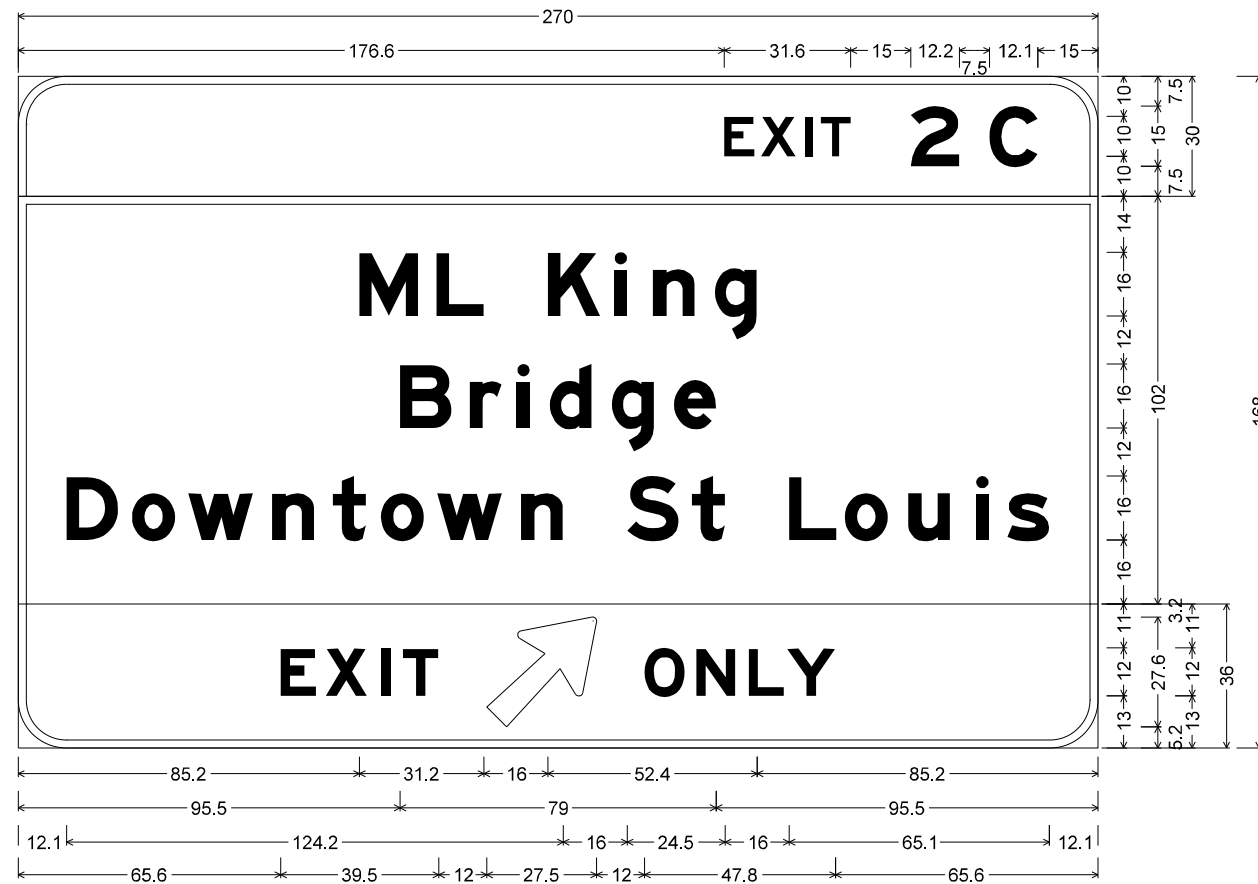
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SB-TR-003 GUIDE SIGN PANEL DETAILS
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50' SHEET 7 OF 9 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	61
			CONTRACT NO. 76M86	
			ILLINOIS FED. AID PROJECT	

SIGN NUMBER: SB-TR-001-04



12.0" Radius, 2.0" Border, White on Green;
"EXIT", E 2K 120% spacing; "2", E Mod 2K; "C", E Mod 2K;

12.0" Radius, 2.0" Border, White on Green;
"ML King", E Mod 2K; "Bridge", E Mod 2K; "Downtown St Louis", E Mod 2K;

12.0" Radius, 2.0" Border, Black on Yellow;
"EXIT", E Mod 2K 140% spacing; Arrow 160 - 35.0" 45°; "ONLY", E Mod 2K;

Table of letter and object lefts

E	X	I	T	2	C										
176.6	185.8	196.9	200.7	223.2	242.9										
M	L	K	i	n	g										
85.2	104.6	132.4	149.1	158.7	174.2										
B	r	i	d	g	e										
95.5	112.9	124.8	132.9	148.4	164.0										
D	o	w	n	t	o	w	n	S	t	L	o	u	i	s	
12.1	28.4	42.5	63.5	78.7	90.7	104.8	125.7	152.3	168.4	192.8	206.7	222.5	239.5	247.3	
E	X	I	T	↗	O	N	L	Y							
65.6	76.8	90.8	96.2	117.1	156.6	169.6	182.7	192.3							

SIGN NUMBER: SB-TR-003-01



6.0" Radius, 2.0" Border, White on Green;
"EXIT", E 2K 120% spacing;

12.0" Radius, 2.0" Border, White on Green;
"2", E 2K; "B", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"ML King", E Mod 2K; "Bridge", E Mod 2K; "Downtown St Louis", E Mod 2K;

12.0" Radius, 2.0" Border, Black on Yellow;
Down Arrow 22.0" 270°; "EXIT", E Mod 2K 140% spacing; "ONLY", E Mod 2K; Down Arrow 22.0" 270°;

Table of letter and object lefts

LEFT															
19.2	28.4	39.5	43.3												
2	B														
66.0	85.7														
M	L	K	i	n	g										
85.2	104.6	132.4	149.1	158.7	174.2										
B	r	i	d	g	e										
95.5	112.9	124.8	132.9	148.4	164.0										
D	o	w	n	t	o	w	n	S	t	L	o	u	i	s	
12.1	28.4	42.5	63.5	78.7	90.7	104.8	125.7	152.3	168.4	192.8	206.7	222.5	239.5	247.3	
↘	E	X	I	T	O	N	L	Y	↘						
37.9	84.9	96.1	110.1	115.5	139.4	152.3	165.4	175.0	200.1						

NOTE

TYPE ZZ SHEETING SHALL BE USED FOR ALL GREEN SIGN PANELS.

ALL ARROWS (DOWN OR 45 DEGREE) USED ON OVERHEAD SIGNS SHALL BE DEMOUNTABLE AND INCLUDED IN THE COST OF THE SIGN PANEL.

ALL LEFT PLAQUES SHALL BE BLACK ON YELLOW

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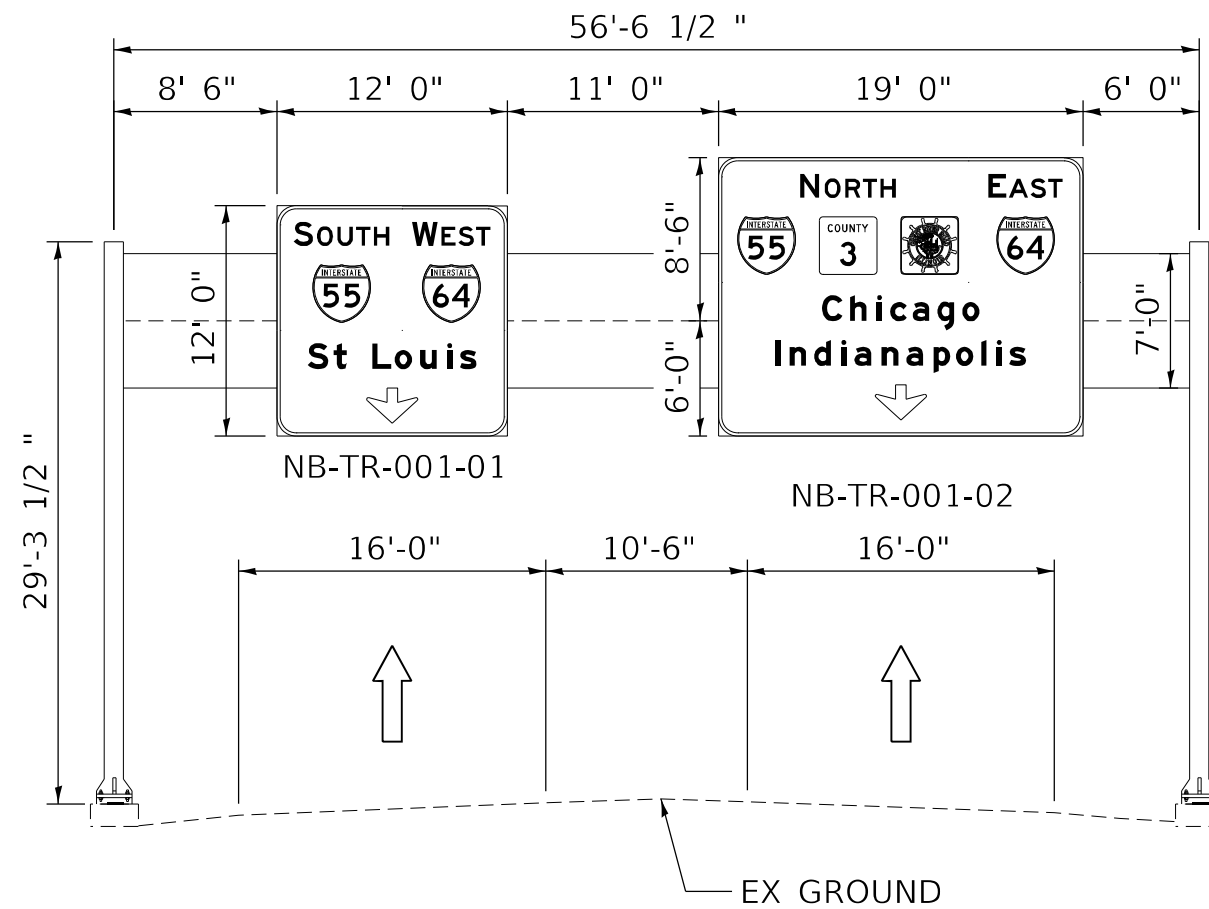


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PLOT DATE = 3/3/2023	CHECKED - CJS	REVISED -
	DATE - 03-03-2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SB-TR-003 GUIDE SIGN PANEL DETAILS			
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF I-64 (TRI-LEVEL) INTERCHANGE			
SCALE: 1"=50'	SHEET 8	OF 9 SHEETS	STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	62
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				



85082S003R009.6

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TRANSYSTEMS

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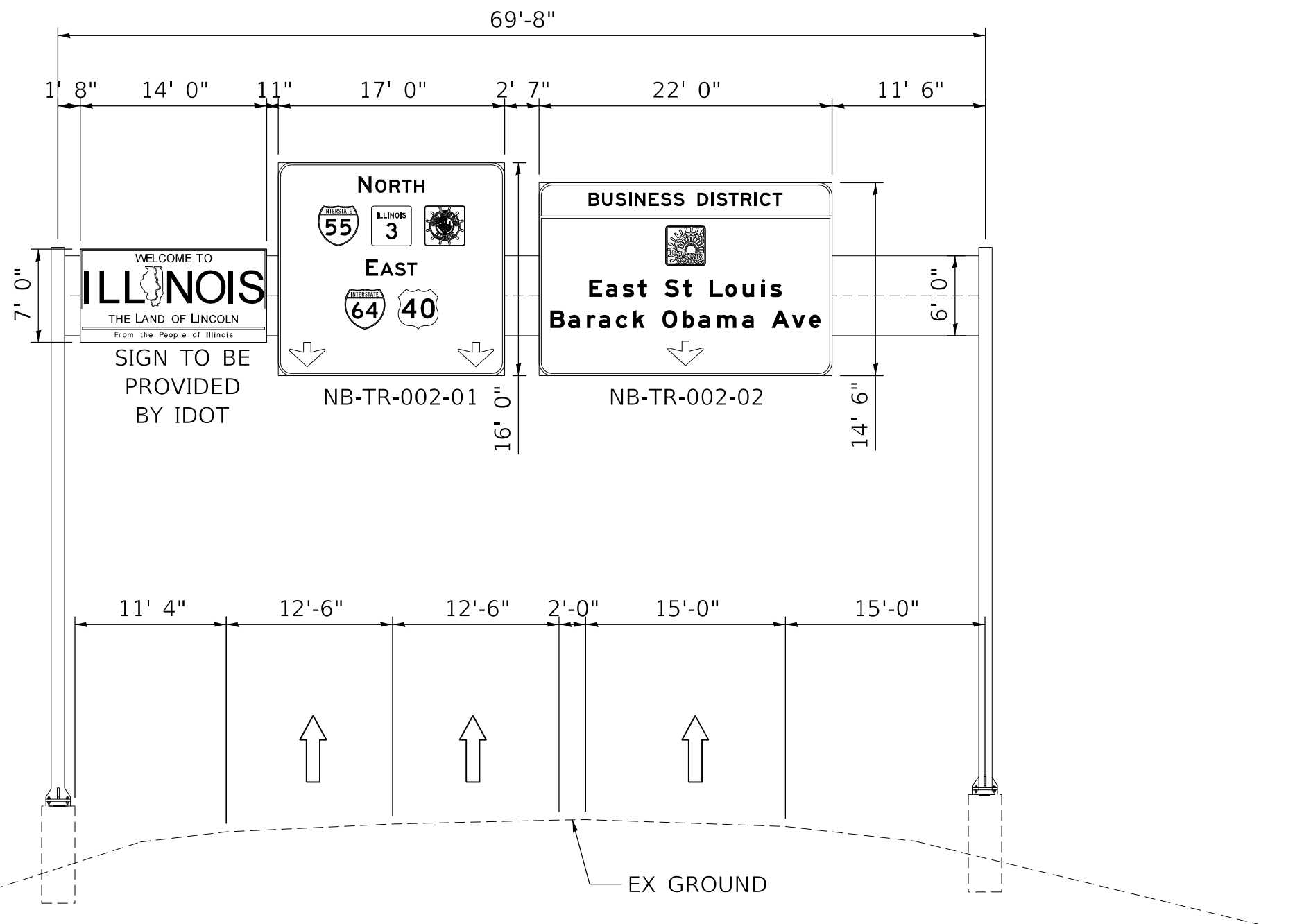
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NB-TR-001 GUIDE SIGN ELEVATION PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50'

SHEET 1 OF 7 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	64
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



8S052I055R001.1

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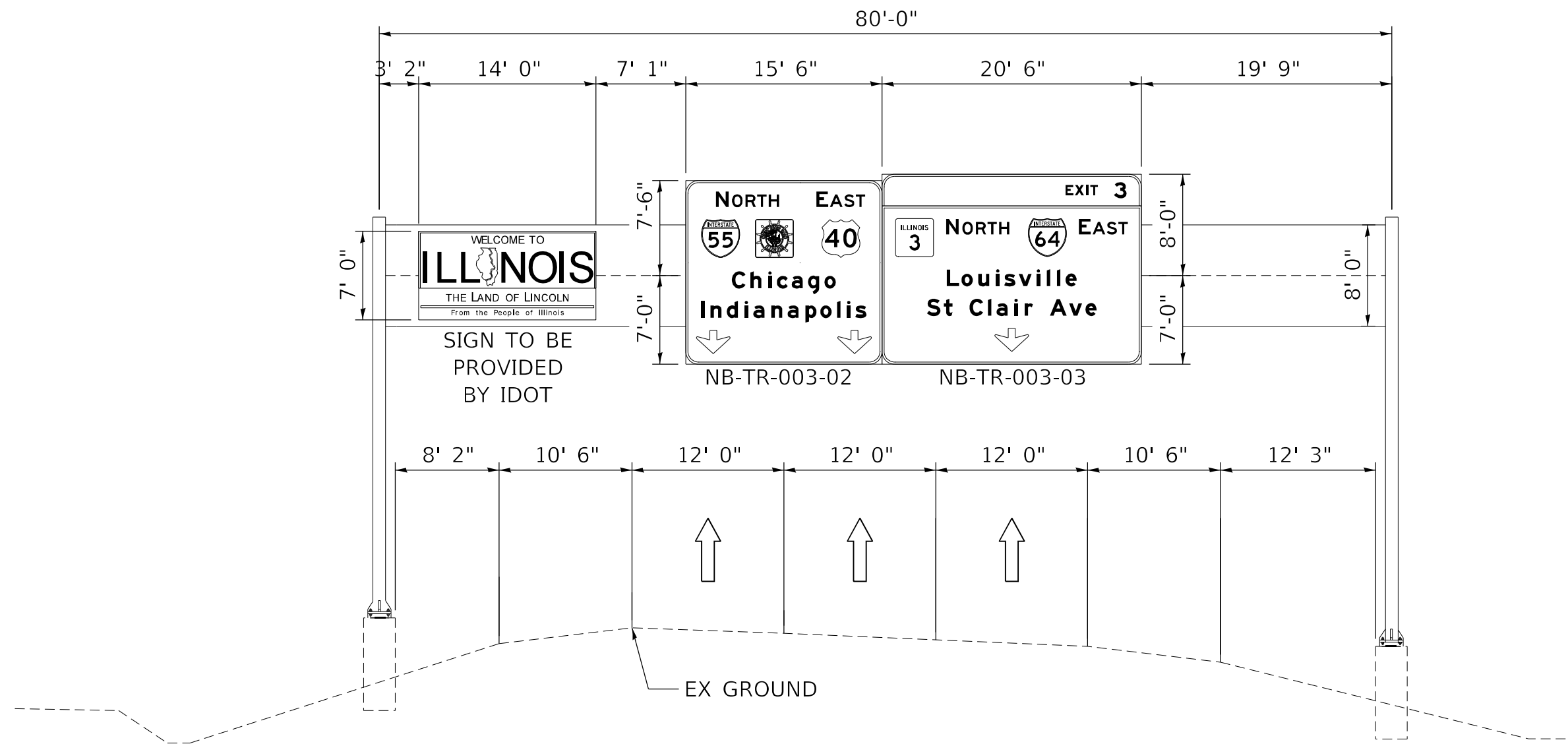
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	DATE - 03-03-2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NB-TR-002 GUIDE SIGN ELEVATION PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	66
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



85082I055R001.6

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TRANSYSTEMS

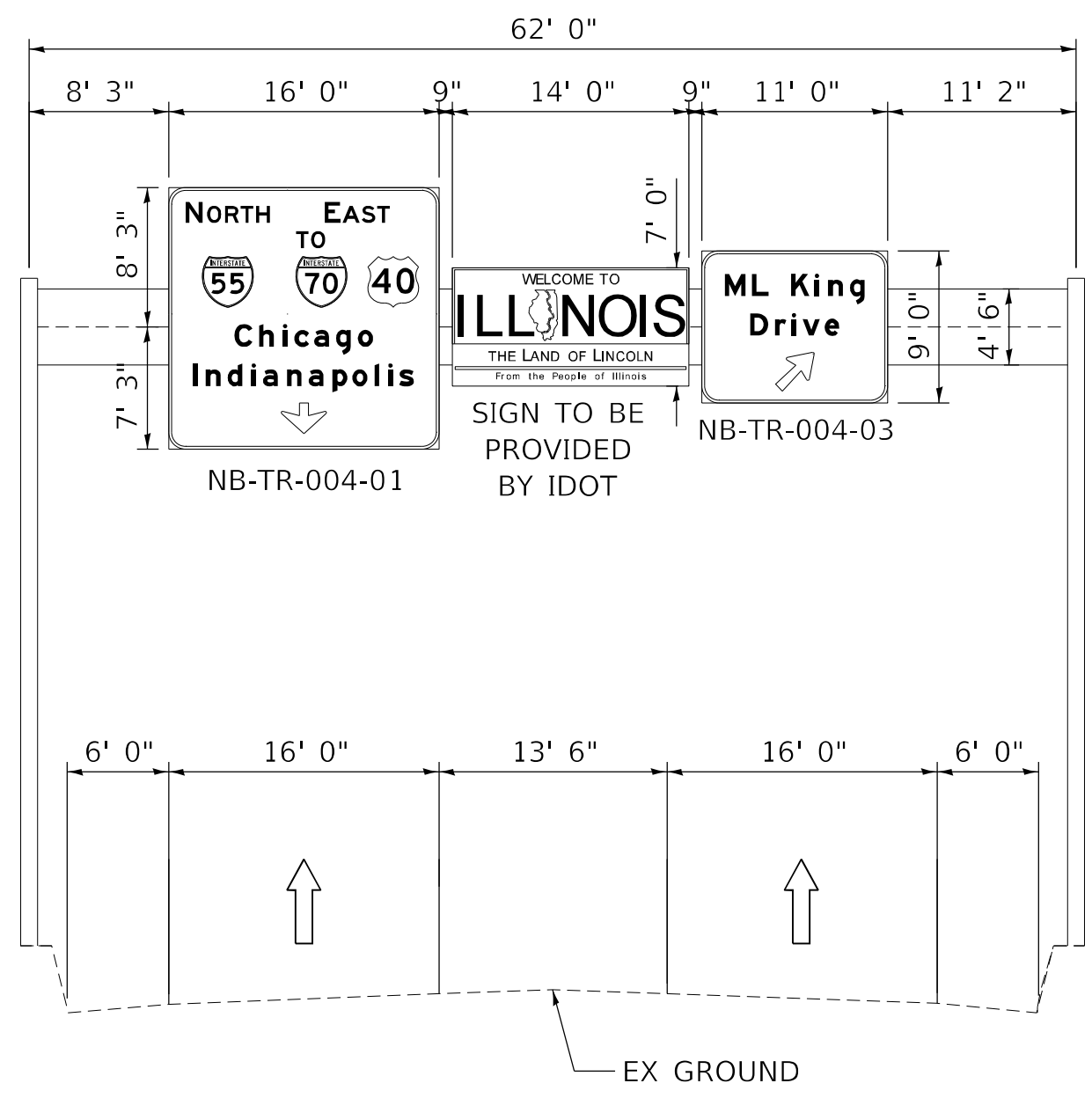
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NB-TR-003 GUIDE SIGN ELEVATION PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	66
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				



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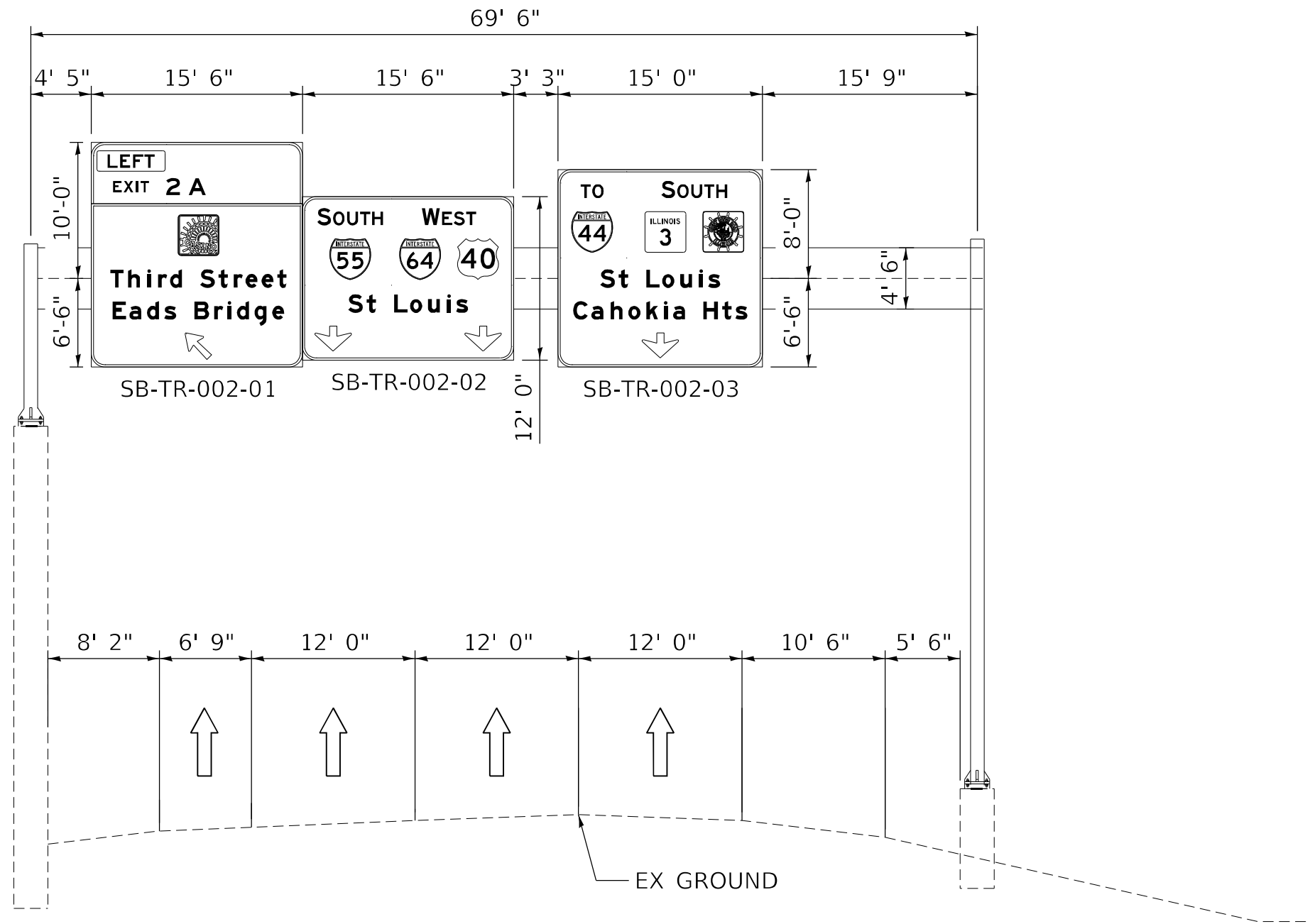
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SB-TR-001 GUIDE SIGN ELEVATION PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

SCALE: 1"=50' SHEET 4 OF 7 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	67
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	



LOW CLEARANCE AND ADVISORY
SPEED SIGNS TO REMAIN IN PLACE

85082I055L001.8

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TRANSYSTEMS

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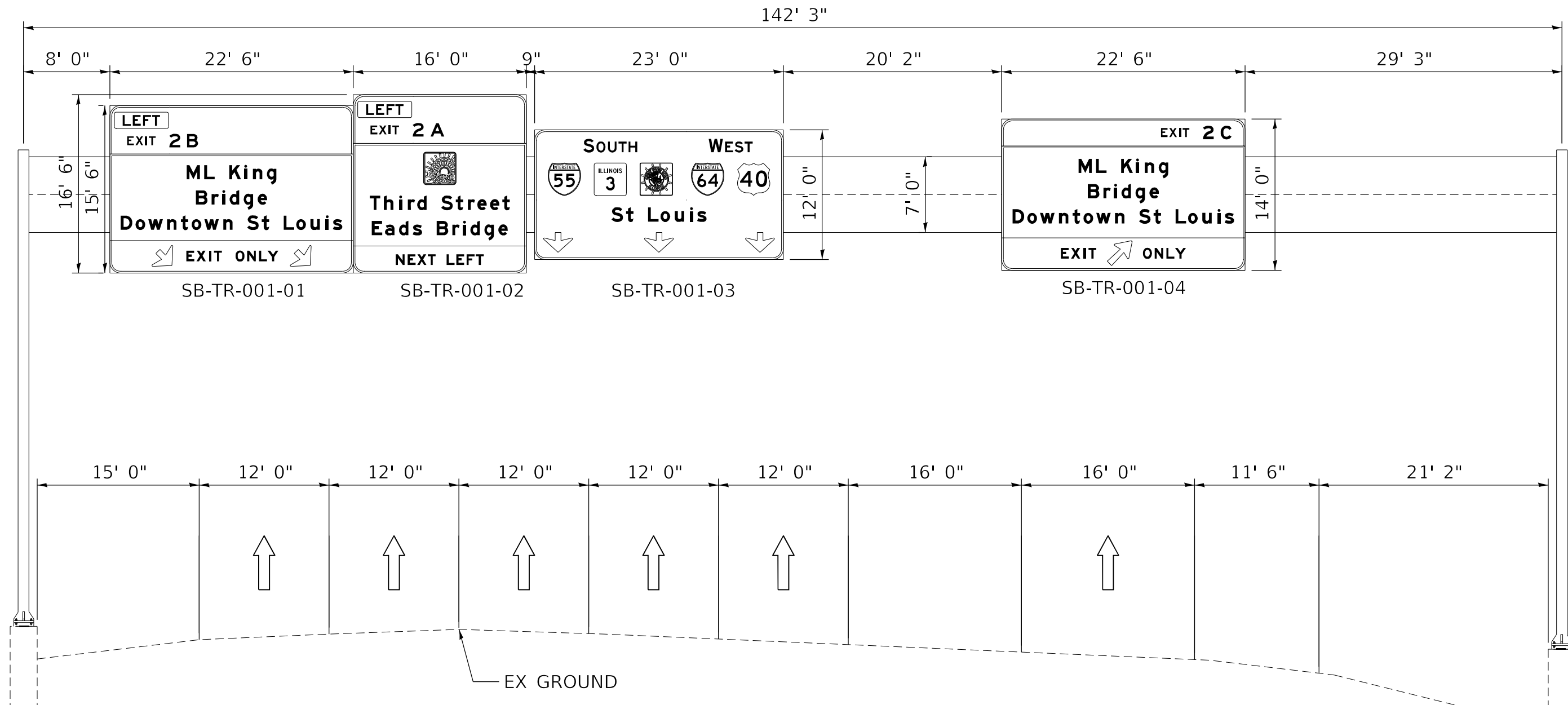
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SB-TR-002 GUIDE SIGN ELEVATION PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50' SHEET 5 OF 7 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	68
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

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85082I055L002.1



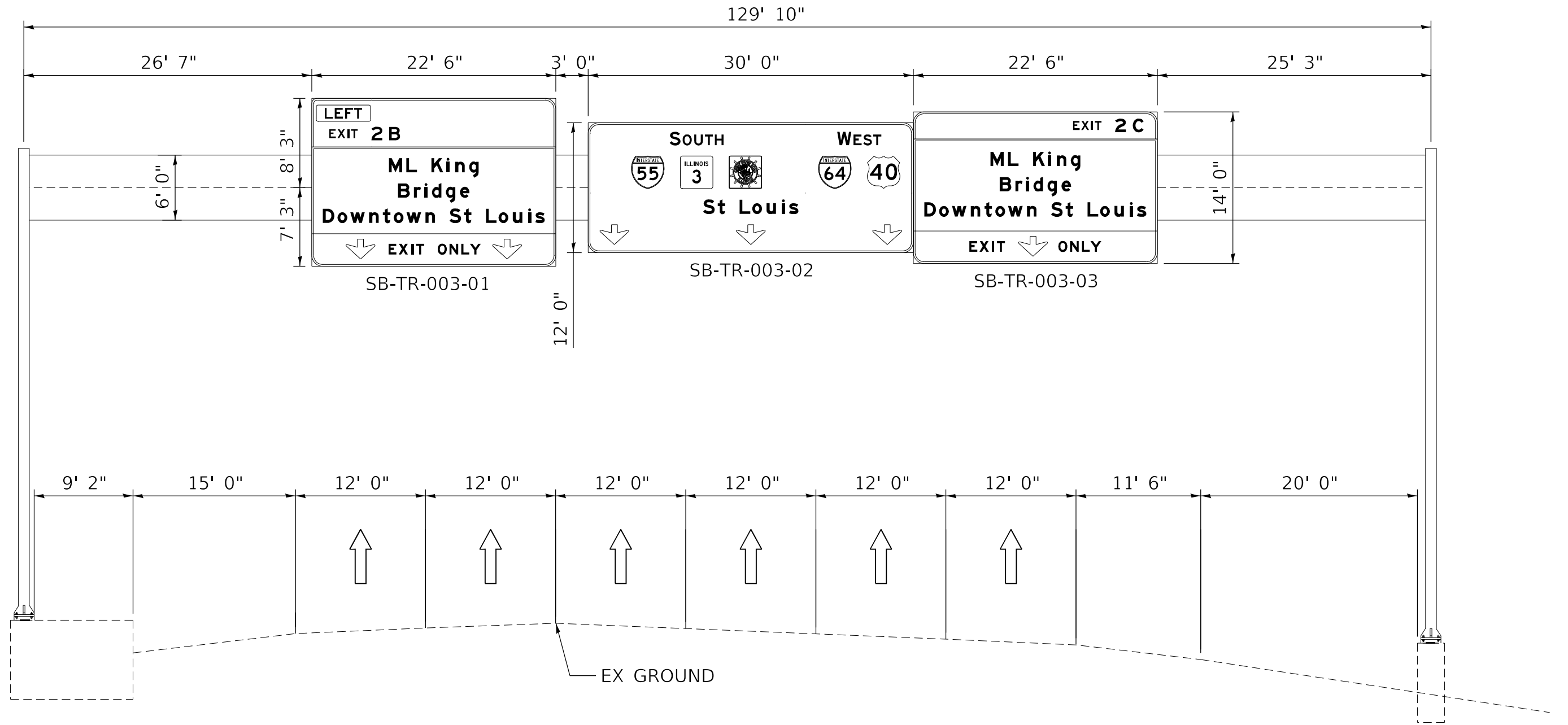
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PLOT DATE = 3/3/2023		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NB-TR-004 GUIDE SIGN ELEVATION PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	69
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



85082I055L002.4

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TRANSYSTEMS

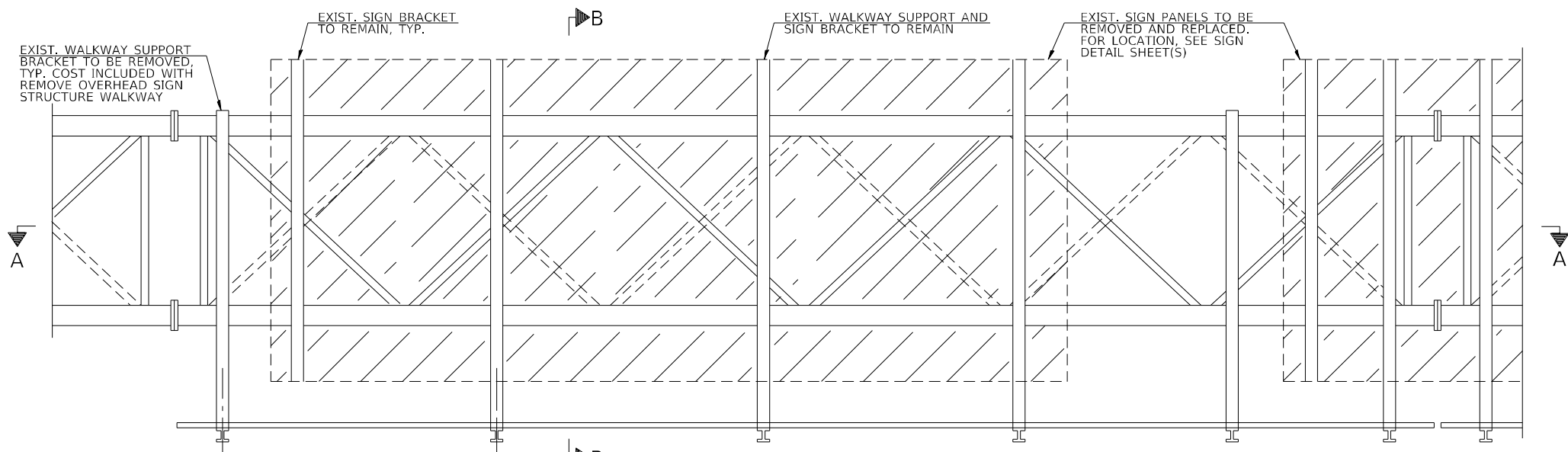
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

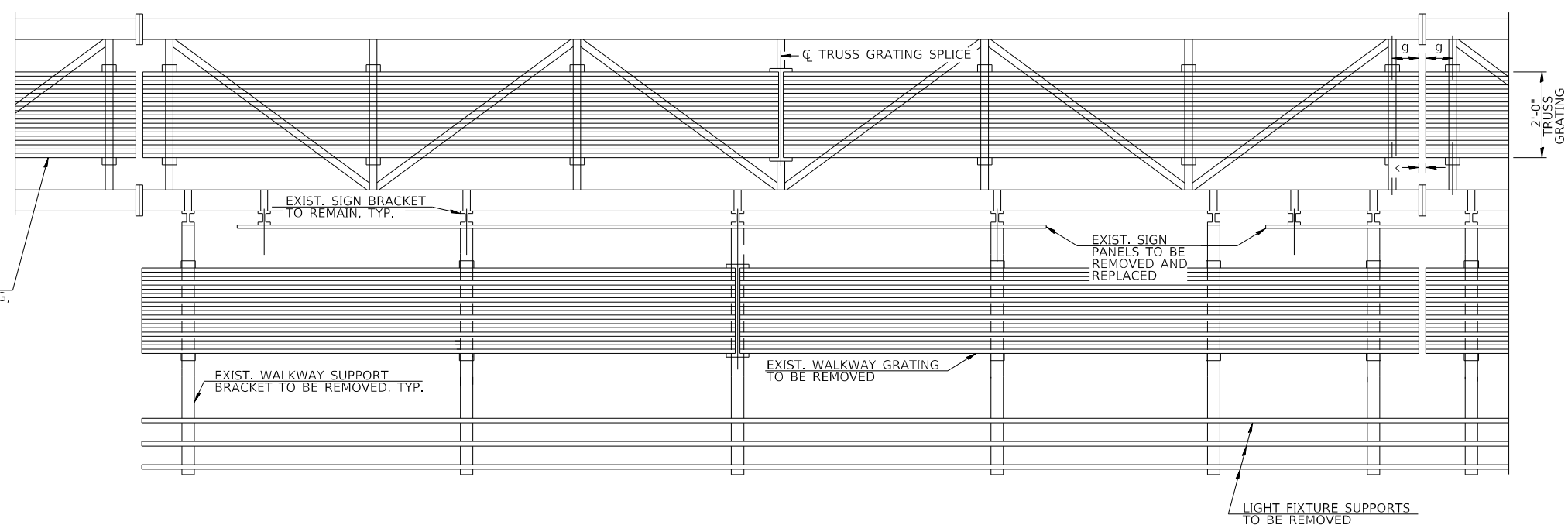
**SB-TR-003 GUIDE SIGN ELEVATION PLAN
I-55/70/64 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE**

SCALE: 1"=50' SHEET 7 OF 7 SHEETS STA. NA TO STA. NA

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	70
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



TYPICAL FRONT ELEVATION
WITH LIGHTS OMITTED FOR CLARITY



SECTION A-A

STRUCTURE NUMBER	STATION	TRUSS GRATING LENGTHS (FT)
8S0821055R001.1	106+00.00	68
8S0821055R001.2	94+10.00	82
8S0821055L001.8	9+80.00	60

NOTES:
 g = 12" MAXIMUM, 4" MINIMUM (END OF WALKWAY GRATING TO ϕ OF NEAREST SUPPORT)
 k = 2" MAXIMUM GAP BETWEEN ADJACENT WALKWAY GRATING SECTIONS

FOR DETAIL T, SECTION B-B AND GRATING SPLICE DETAILS, SEE SHEET 72.

TRUSS GRATING TO FACILITATE INSPECTION SHALL RUN FULL LENGTH (CENTER TO CENTER OF SUPPORT FRAMES) $\pm 12"$ ON OVERHEAD TRUSSES.

TRUSS GRATING WIDTH DIMENSIONS ARE NOMINAL AND MAY VARY $\pm 1/2"$ BASED ON AVAILABLE STANDARD WIDTHS.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	210
REMOVE OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	210

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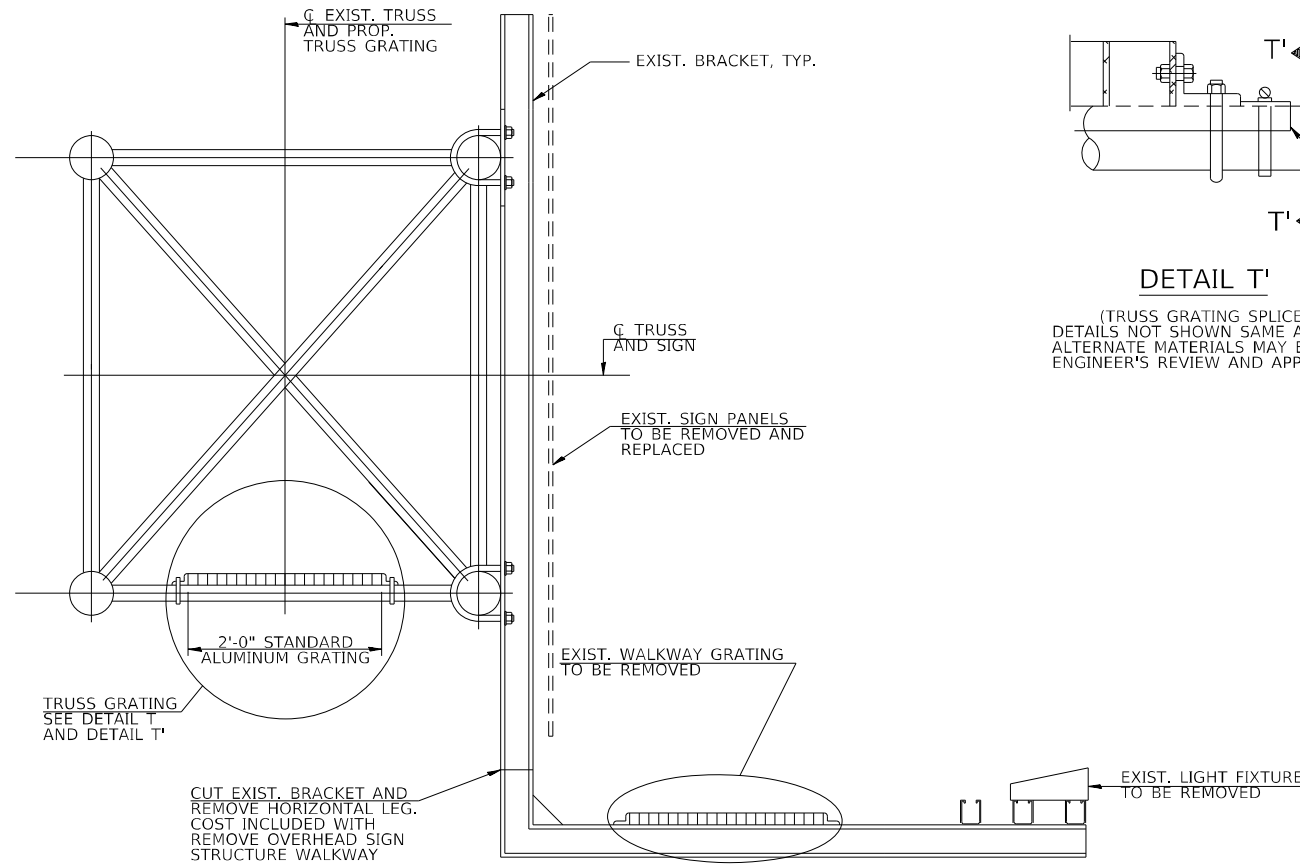


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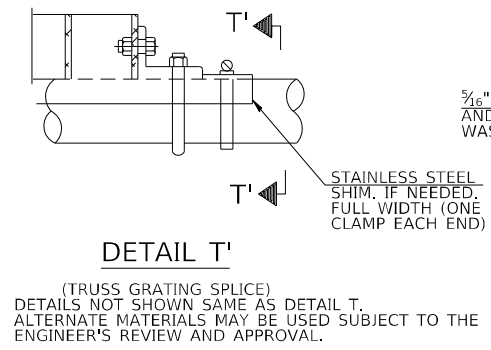
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALKWAY DETAILS 1
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE
 SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 0+00 TO STA. 0+00

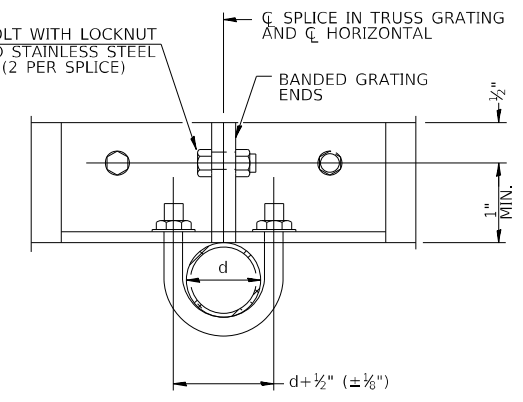
F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	71
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



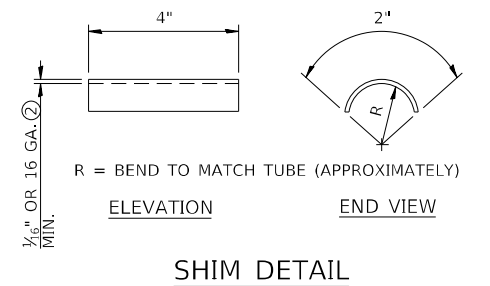
SECTION B-B



DETAIL T
(TRUSS GRATING SPLICE)
DETAILS NOT SHOWN SAME AS DETAIL T.
ALTERNATE MATERIALS MAY BE USED SUBJECT TO THE
ENGINEER'S REVIEW AND APPROVAL.

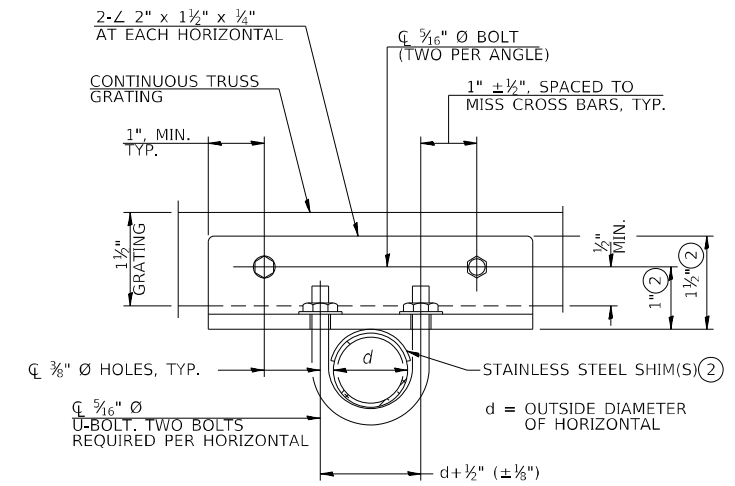


SECTION T'-T'

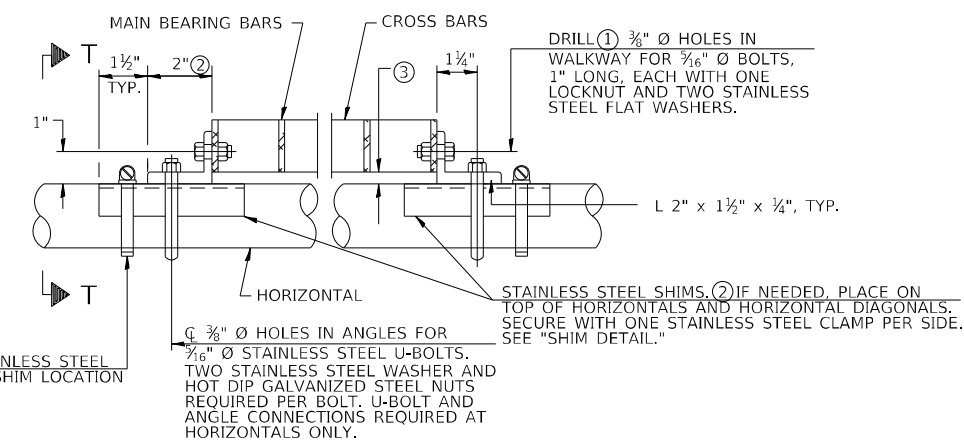


SHIM DETAIL

- ① DRILLING HOLES IN GRATING MAY BE DONE IN SHOP OR FIELD, BASED ON CONTRACTOR'S PREFERENCE AND SUBJECT TO ACCURATE ALIGNMENT.
- ② STAINLESS STEEL SHIMS SHALL BE PLACED AS SHOWN IN DETAIL T IF NEEDED TO COMPENSATE FOR ALIGNMENT VARIATIONS BETWEEN HORIZONTAL AND DIAGONAL PIPES BEYOND ADJUSTMENT PROVIDED BY ANGLES. THICKER SHIMS MAY BE USED SUBJECT TO SHIMS PERFORMING PROPERLY.
- ③ TUBE TO GRATING GAP MAY VARY FROM 0 TO 1/2". MAX. TO ALIGN WALKWAY. ALLOW FOR CAMBER, ETC.



SECTION T-T



DETAIL T
(CONTINUOUS TRUSS GRATING)

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

MAIN BEARING BARS SHALL BE 3/16" x 1 1/2" ON 1 3/16" CENTERS AND CONFORM TO ASTM B221 ALLOY 6061-T6.

CROSS BARS SHALL BE 3/16" x 1 1/2" ON 4" CENTERS AND CONFORM TO ASTM B221 ALLOY 6063-T5 OR 6061-T6

OR

ALUMINUM GRATING WITH MODIFIED "T" SECTIONS FOR MAIN BEARING BARS SHALL MEET THE FOLLOWING REQUIREMENTS:
MAIN BARS SHALL CONFORM TO ASTM B221 ALLOY 6061-T6 AND HAVE A MINIMUM SECTION MODULUS EQUAL TO 0.0705 IN.³ PER BAR, A DEPTH OF 1 1/2", SPACED ON 1 3/16" CENTERS.

CROSS BARS SHALL CONFORM TO ASTM B221 ALLOY 6063-T5 OR T-42 AND SPACED ON 4" CENTERS.

STRUCTURE NUMBER	STATION	d*
8S082I055R001.1	106+00.00	5"
8S082I055R001.2	94+10.00	5"
8S082I055L001.8	9+80.00	5 1/16"

* VERIFY IN FIELD

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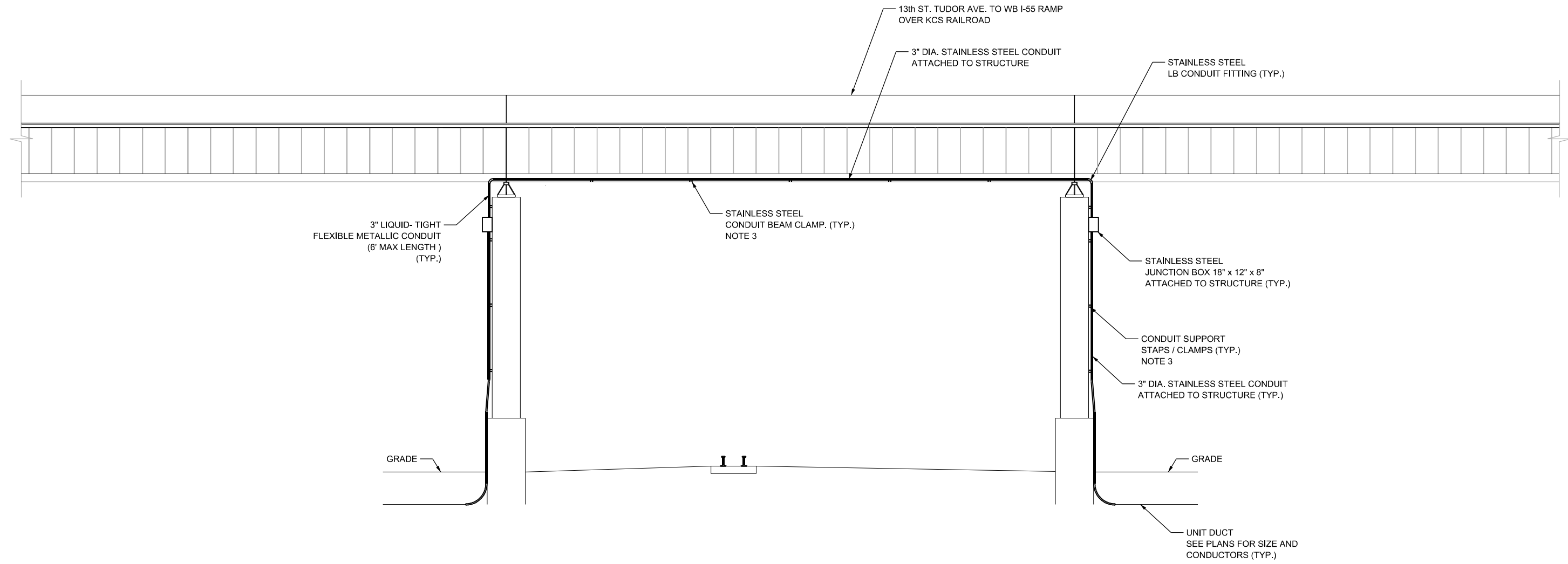
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	DATE - 03-03-2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALKWAY DETAILS 2
I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF
I-64 (TRI-LEVEL) INTERCHANGE

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 0+00 TO STA. 0+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	72
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



NOTES:

1. EXPANSION COUPLINGS SHALL BE INSTALLED AS REQUIRED AT ALL STRUCTURE EXPANSION JOINTS WITH A MINIMUM OF ONE BETWEEN JUNCTION BOXES.
2. JUNCTION BOXES SHALL BE MOUNTED SO THE MAXIMUM LENGTH OF REQUIRED LIQUID -TIGHT FLEXIBLE METALLIC CONDUIT NOT EXCEED THE 6' MAX LENGTH. ADDITIONAL STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE FROM THE JUNCTION BOXES MAY BE INSTALLED TO REDUCE THE DISTANCE TO 6' OR LESS.
3. SECURE THE CONDUIT WITH STAINLESS STEEL CONDUIT BEAM CLAMPS OR SUPPORT STRAPS AT 5' INTERNALS AND WITHIN 2' MAX. FROM THE JUNCTION BOXES.

**CONDUIT ATTACHED TO STRUCTURE
OVER KANSAS CITY SOUTHERN RR (KCS)**

N.T.S.

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FILE NAME: 02122565.dwg

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

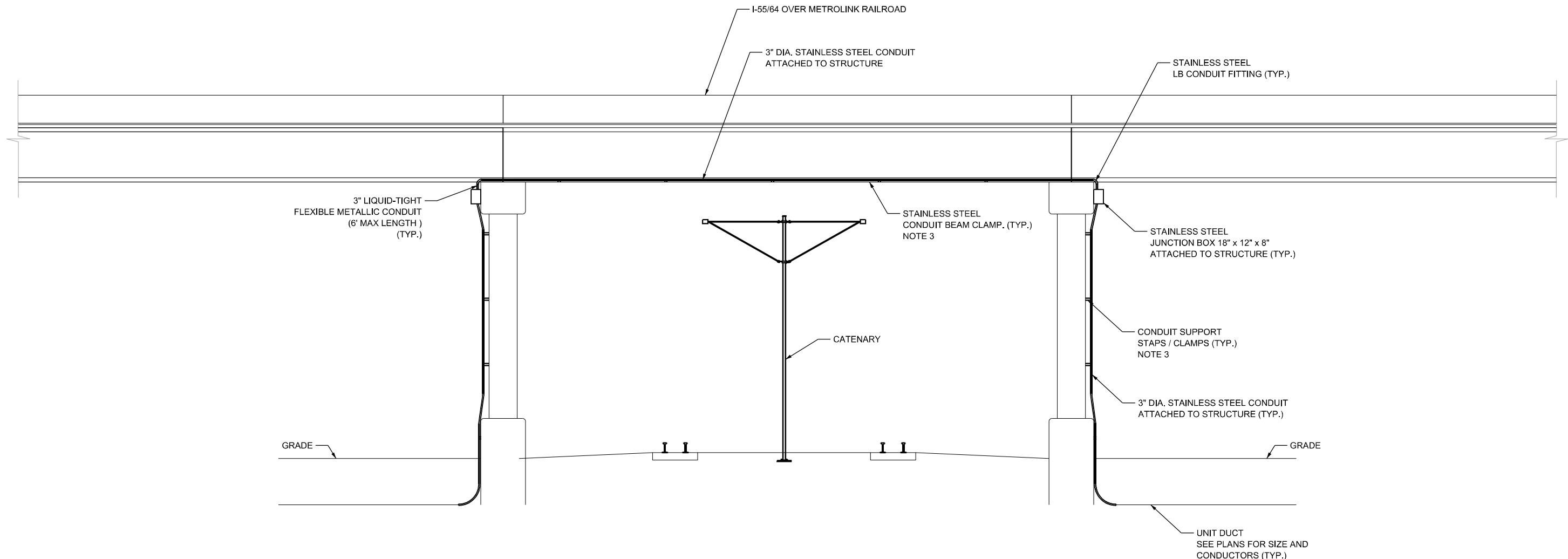
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONDUIT ATTACHED TO STRUCTURE
OVER KANSAS CITY SOUTHERN RR (KCS)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	73
CONTRACT NO. 76M86				
ILLINOIS FED. AID PROJECT				



NOTES:

1. EXPANSION COUPLINGS SHALL BE INSTALLED AS REQUIRED AT ALL STRUCTURE EXPANSION JOINTS WITH A MINIMUM OF ONE BETWEEN JUNCTION BOXES.
2. JUNCTION BOXES SHALL BE MOUNTED SO THE MAXIMUM LENGTH OF REQUIRED LIQUID -TIGHT FLEXIBLE METALLIC CONDUIT NOT EXCEED THE 6' MAX LENGTH. ADDITIONAL STAINLESS STEEL CONDUIT ATTACHED TO STRUCTURE FROM THE JUNCTION BOXES MAY BE INSTALLED TO REDUCE THE DISTANCE TO 6' OR LESS.
3. SECURE THE CONDUIT WITH STAINLESS STEEL CONDUIT BEAM CLAMPS OR SUPPORT STRAPS AT 5' INTERNALS AND WITHIN 2' MAX. FROM THE JUNCTION BOXES.
4. THE CONTRACTOR SHALL OBTAIN A PERMIT FOR CONSTRUCTION OVER THE METROLINK RR PROPERTY. ALL SAFETY TRAINING, INSURANCE AND EASEMENT CONDITIONS MUST BE MET BEFORE THEY CAN PROCEED WITH THE PERMIT. PERMIT PROCESSING MAY TAKE 30 DAYS (PENDING TIER TRAINING AND RECEIPT OF PAYMENT). SEE RR SPECIAL PROVISIONS.

**CONDUIT ATTACHED TO STRUCTURE
OVER METROLINK**
N.T.S.

MODEL NAME: D:\PROJECTS\76M86\10-11-23\10-11-23.dwg
FILE NAME: 02176M86.dwg

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

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	DRAWN - SR	REVISED -
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PLOT DATE = 3/3/2023	DATE - 03-03-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONDUIT ATTACHED TO STRUCTURE
OVER TERMINAL RAILROAD ASSOCIATED OF ST. LOUIS (TRRA)**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	74
			CONTRACT NO. 76M86	
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Date 01/25/22

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 197-040 I-55 High Mast Tower Replacements LOGGED BY SCI

SECTION LOCATION East St. Louis, SEC. 14, TWP. 2N, RNG. 10W
Lat 38.616596 Long -90.175984

COUNTY St. Clair DRILLING METHOD CME550 w/CFA HAMMER TYPE Automatic

STRUCT. NO.	N/A	DEPT	B	UCS	M	Surface Water Elev.	N/A	ft	DEPT	B	UCS	M
Station	N/A	H	L	S	O	Stream Bed Elev.	N/A	ft	H	L	S	O
BORING NO.	I55ML01	T	W	Qu	S	Groundwater Elev.:	383.5	ft	T	W	Qu	S
Station	N/A	S	S			First Encounter	N/A	ft	S	S		
Offset		H	H			Upon Completion	N/A	ft	H	H		
Ground Surface Elev.	412	(ft)	(/6")	(tsf)	(%)	After	N/A	Hrs.	(ft)	(/6")	(tsf)	(%)

Slag: Fill						CLAY: Gray, moist, soft A-7.						
	7		NC	14		SILTY CLAY: Gray, moist, soft A-7.	WH 1	0.4	B/20	30		
	5						WH 2	0.4	B/20	42		
	4						WH 25	WH				
SILTY CLAY: Brown with gray, moist, soft A-7.	1		0.4	29		CLAY: Gray, soft, moist A-7.						
	2		B/20				WH 1	NC	36			
	1					SANDY LOAM: Gray, very moist, very loose A-3.						
SILTY CLAY: Gray with brown, moist, soft A-6.	1		0.8	33		SAND: Brown, fine, saturated, loose (A-3)	1	NC	--			
	2		B/20				2					
	1					SANDY LOAM: Gray, moist, loose A-3.						
SILTY LOAM: Brown, moist, soft A-4.	WOH 2		1.0	27			1	0.4	B/20	32		
	3		P				1					
	1		<0.25	28		CLAY LOAM: Gray with brown, moist, soft A-7.						
	1		P				1	0.6	B/20	28		
	1					SANDY LOAM: Gray, moist, loose A-3.						
	1		0.5	30			1	0.8	B/20	37		
	1		S/15				1					
	1						1					
	1		<0.25	32			2	NC	--			
	1		P				2					
	1						3	NC	--			
	1						4					
	1		0.5	39		SAND: Gray, saturated, loose A-3.						
	2		S/15				3	NC	--			
	2						4					
	2						5					
CLAY: Brown, moist, very soft A-7.	WH 2						3	NC	--			
	1						4					
SILTY LOAM: Brown, moist, soft A-4.	WH 2		0.5	39			2	NC	--			
	2		S/15				2					
	2						3					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Date 12/20-21/2022

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 197-040 I-55 High Mast Tower Replacements LOGGED BY SCI

SECTION LOCATION East St. Louis, SEC. 23, TWP. 2N, RNG. 10W
Lat 38.615867 Long -90.175503

COUNTY St. Clair DRILLING METHOD CME550 w/CFA HAMMER TYPE Automatic

STRUCT. NO.	N/A	DEPT	B	UCS	M	Surface Water Elev.	N/A	ft	DEPT	B	UCS	M
Station	N/A	H	L	S	O	Stream Bed Elev.	N/A	ft	H	L	S	O
BORING NO.	I55ML02	T	W	Qu	S	Groundwater Elev.:	382.5	ft	T	W	Qu	S
Station	N/A	S	S			First Encounter	N/A	ft	S	S		
Offset		H	H			Upon Completion	N/A	ft	H	H		
Ground Surface Elev.	402	(ft)	(/6")	(tsf)	(%)	After	N/A	Hrs.	(ft)	(/6")	(tsf)	(%)

FILL: Crushed Rock and Soil						SAND: Brown with clay layers, moist, medium dense A-3.						
	3		>4.5	10			2	NC	--			
	20		P				3					
	50/2"						9					
CONCRETE SLAB												
FILL: SILTY CLAY LOAM, Gray, moist, medium stiff A-6.	2		3.0	21		Becomes brown with gray	4	NC	--			
	2		P				7					
	4						9					
SILTY CLAY LOAM: Gray, moist, very soft A-6.	WH 1		0.2	29			6	NC	--			
	WH 1		B/20				8					
	1						17					
	2						3	NC	24			
	2					Becomes gray	3					
	2						3					
	2						4					
	1		0.4	32			30					
	1		B/20				4					
	1						10	NC	22			
	1		0.6	28			17					
	1						4	NC	--			
	1		0.8	37			5					
	1		B/20				7					
	1						4	NC	--			
	1						6					
	1						7					
	2		0.6	36			4	NC	--			
	1		B/20			Becomes brown and gray	6					
	3						4					
	3						6					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

SOIL BORING LOG

Date 1/25-26/2022

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 197-040 I-55 High Mast Tower Replacements LOGGED BY SCI

SECTION LOCATION East St. Louis, SEC. 23, TWP. 2N, RNG. 10W
Lat 38.615946 Long -90.174075

COUNTY St. Clair DRILLING METHOD CME550 w/CFA HAMMER TYPE Automatic

STRUCT. NO.	N/A	DEPT	B	UCS	M	Surface Water Elev.	N/A	ft	DEPT	B	UCS	M
Station	N/A	H	L	S	O	Stream Bed Elev.	N/A	ft	H	L	S	O
BORING NO.	I55ML03	T	W	Qu	S	Groundwater Elev.:	389.5	ft	T	W	Qu	S
Station	N/A	S	S			First Encounter	N/A	ft	S	S		
Offset		H	H			Upon Completion	N/A	ft	H	H		
Ground Surface Elev.	413	(ft)	(/6")	(tsf)	(%)	After	N/A	Hrs.	(ft)	(/6")	(tsf)	(%)

FILL: Brown, crushed rock, sandy loam and sandy clay, with slag						SAND: Brown, fine, moist, medium dense A-3. (continued)						
	20		NC	10		Becomes loose	3	NC	--			
	47						2					
	6						4					
FILL: Gray, clay, moist, stiff A-7.	3		1.9	20		Becomes saturated	3	NC	--			
	6		S/15				5					
	9						6					
SANDY LOAM: Brown A-3.	2		NC	26		Becomes gray, loose, trace organics	3	NC	--			
	2						2					
	2						3					
	3		NC	24		Becomes medium dense	4	NC	--			
	4						4					
	7						7					
	5		NC	--			5					
	6						8					
	8						4	NC	--			
	1						5					
	1		0.5	30		Trace gravel	3	NC	--			
	1		S/15				5					
	1						11					
	1		<0.25	32			4					
	1		P				7					
	1						4	NC	--			
	1						6					
	1		0.5	39			4	NC	--			
	2		S/15				4					
	2						6					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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USER NAME = mdlctche
DESIGNED - BL
DRAWN - MD
CHECKED - MH
DATE - 03-03-2023

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORINGS I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF I-64 (TRI-LEVEL) INTERCHANGE

SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-3, 4HL-4	ST. CLAIR	81	75
CONTRACT NO. 76M86			ILLINOIS FED. AID PROJECT	

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 201-040 I-55 High Mast Light Tower Replacements LOGGED BY Gonzalez (NRK) Date 11/29/22

SECTION LOCATION East St. Louis, SEC. 14, TWP. 2N, RNG. 10W, 3rd PM. Latitude 38.8181376, Longitude -90.1661183
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE 87

STRUCT. NO. Station	DEPTH ft	BLOW COUNT	UCS (tsf)	M-O (%)	Surface Water Elev. ft	Stream Bed Elev. ft	DEPTH ft	BLOW COUNT	UCS (tsf)	M-O (%)
TOPSOIL - 2"	422.3									
CLAY LOAM	5	1.5	19							
	6	P			400.0			0.5	31	
	2									
	2	0.6	25							
	4	B								
	3									
	6	1.4	21							
	9	S								
	5									
	6	2.2	20							
	12	S								
Stiff, Brown, Dry to Moist, SILTY CLAY LOAM	412.0									
	3									
	4	0.4	20							
	5	S								
	2									
	3	0.2	29							
	2	B								
	15									
Medium Stiff, Brown, Moist, CLAY	407.0									
	1									
	2	1.8	34							
	3	B								
	2									
	3	1.3	37							
	6	S								
	20									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, M-Modified SPT)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 201-040 I-55 High Mast Light Tower Replacements LOGGED BY Gonzalez (NRK) Date 11/29/22

SECTION LOCATION East St. Louis, SEC. 14, TWP. 2N, RNG. 10W, 3rd PM. Latitude 38.826088, Longitude -90.164303
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE 87

STRUCT. NO. Station	DEPTH ft	BLOW COUNT	UCS (tsf)	M-O (%)	Surface Water Elev. ft	Stream Bed Elev. ft	DEPTH ft	BLOW COUNT	UCS (tsf)	M-O (%)
Cinders, Brick, Silt, Sand; (Fill)										
	4									
	5									
	5									
	2									
	2	<0.2	49							
	2									
Soft, Brown and Gray, Wet, SILTY LOAM; (Fill)	409.7									
	5									
	2									
	2									
	1	0.4	35							
	2	S								
	1									
	2	1.0	36							
	2	B								
	10									
Soft, Brown, Moist to Wet, SILT Medium Stiff, Brown, Moist, CLAY, High Plastic	405.2									
	404.7									
	10									
Loose, Brown, Moist, SANDY LOAM	403.7									
	2									
	2									
	2									
	3									
	3	0.8	24							
	5	P								
	15									
Medium Stiff, Brown, Dry, SILTY CLAY LOAM	399.7									
	398.7									
	5									
	9									
	11									
	4									
	7									
	9									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, M-Modified SPT)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 201-040 I-55 High Mast Light Tower Replacements LOGGED BY Gonzalez (NRK) Date 12/09/22

SECTION LOCATION East St. Louis, SEC. 14, TWP. 2N, RNG. 10W, 3rd PM. Latitude 38.8224552, Longitude -90.1648362
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE 87

STRUCT. NO. Station	DEPTH ft	BLOW COUNT	UCS (tsf)	M-O (%)	Surface Water Elev. ft	Stream Bed Elev. ft	DEPTH ft	BLOW COUNT	UCS (tsf)	M-O (%)
ASPHALT - 11"										
	428.1									
	7									
	12	>4.5	15							
	9	P								
	4									
	5	2.7	21							
	5	S								
	2									
	2	1.5	19							
	3	P								
	4									
	5	2.0	21							
	5	S								
	10									
	2									
	2	1.0	24							
	3	P								
	2									
	3	0.7	19							
	5	S								
	15									
	5									
	7	4.0	19							
	8	P								
	7									
	14	2.6	17							
	15	S								
	20									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, M-Modified SPT)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)

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SOIL BORING LOG

Date 11/17/22

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 201-040 I-55 High Mast Light Tower Replacements LOGGED BY Gonzalez (NRK)

SECTION LOCATION East St. Louis, SEC. 13, TWP. 2N, RNG. 10W, 3rd PM Latitude 38.6288141, Longitude -90.1569139

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE 87

Table with columns for Depth (ft), Blows (B), Penetration (P), Unconfined Compressive Strength (UCS), and Soil Description. Includes data for various soil layers like Milled Asphalt, Soft Brown Wet Silty Loam, and Medium Stiff Gray Moist Clay.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, M-Modified SPT) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 11/30/22

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 201-040 I-55 High Mast Light Tower Replacements LOGGED BY Gonzalez (NRK)

SECTION LOCATION East St. Louis, SEC. 7, TWP. 2N, RNG. 9W, 3rd PM Latitude 38.6380783, Longitude -90.1364927

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE 87

Table with columns for Depth (ft), Blows (B), Penetration (P), Unconfined Compressive Strength (UCS), and Soil Description. Includes data for layers like Gravel Dark Brown Clay, Medium Dense Brown Dry Sand, and Medium Stiff Gray Moist Clay.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, M-Modified SPT) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 11/09/22

ROUTE FAI-55/I-64/I-70 DESCRIPTION PTB 201-040 I-55 High Mast Light Tower Replacements LOGGED BY Gonzalez (NRK)

SECTION LOCATION East St. Louis, SEC. 7, TWP. 2N, RNG. 9W, 3rd PM Latitude 38.6385003, Longitude -90.1352528

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE 87

Table with columns for Depth (ft), Blows (B), Penetration (P), Unconfined Compressive Strength (UCS), and Soil Description. Includes data for layers like Gray Clay Milled Asphalt, Soft Brown Moist to Wet Clay, and Medium Stiff Gray Moist Clay.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, M-Modified SPT) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)

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USER NAME = mdeltiche DESIGNED - BL REVISED - DRAWN - MD REVISED - CHECKED - MH REVISED - DATE - 03-03-2023

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORINGS I-55/7064 FROM MISSISSIPPI RIVER TO EAST OF I-64 (TRI-LEVEL) INTERCHANGE

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

Table with columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. 76M86, ILLINOIS FED. AID PROJECT

