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USER NAME	ggedemer	DESIGNED	-	GJG	REVISED	-	 01/30/2026
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PLOT SCALE	= 100,000' / in.	CHECKED	-	SSA	REVISED	-	
PLOT DATE	= 1/28/2026	DATE	-	11/7/2025	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
US RTE 52 /IL RTE 53 (CHICAGO ST) AT I-80

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	501
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

TS SHT NO. 13

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SINGH SINGH + ASSOCIATES INC. CONSULTING ENGINEERS	USER NAME = ggedemer	DESIGNED - GJG	REVISED -  01/30/2026	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT PLAN US RTE 52 /IL RTE 53 (CHICAGO ST) AT I-80				F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,000' ± / in.	DRAWN - GJG	REVISED -						80	FAI 80 21 STRUCTURE 2	WILL	1230	502
	PLOT DATE = 1/28/2026	CHECKED - SSA	REVISED -		CONTRACT NO. 62R23								
	DATE - 11/7/2025	REVISED -	REVISED -										
					SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

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USER NAME	ggedemer
PLOT SCALE	100,000' / in.
PLOT DATE	1/28/2026

DESIGNED	-	GJG
DRAWN	-	GJG
CHECKED	-	EEC
DATE	-	11/7/2025

REVISED	-	01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

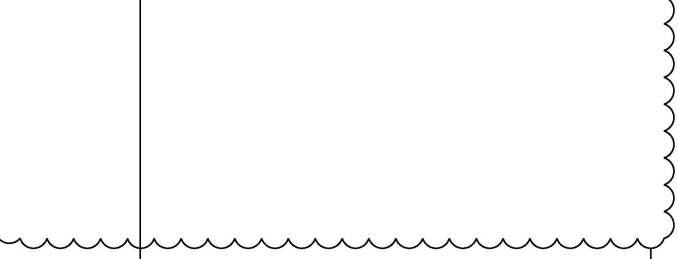
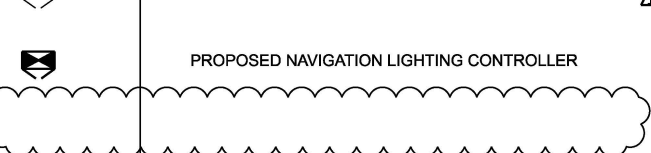
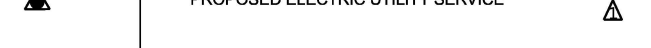
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
US RTE 52 /IL RTE 53 (CHICAGO ST) AT I-80

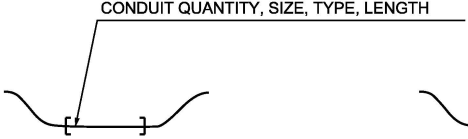
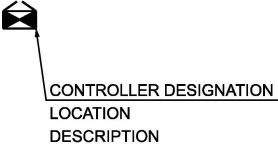
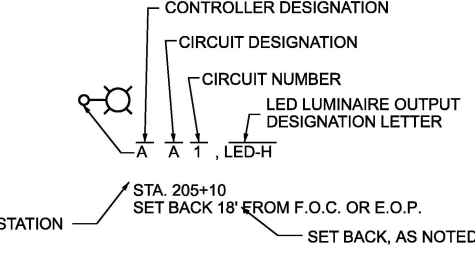
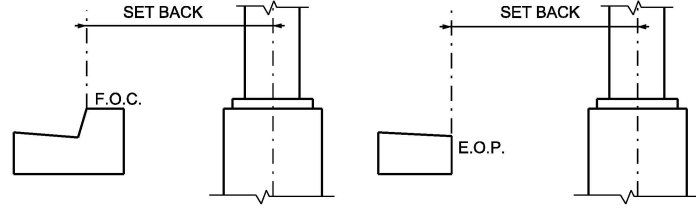
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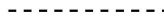
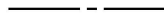
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CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

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LIGHTING AND ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	PROPOSED IDOT LIGHTING UNIT MOUNTED ON PROPOSED PARAPET, 40.0 FT M.H. U.N.O., 6 FT MAST ARM, LUMINAIRE TO BE LED, HORIZONTAL MOUNT, OUTPUT DESIGNATION H (25,200 LUMENS MINIMUM), (240 VAC) U.N.O.
	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING LIGHTING UNIT TO BE REMOVED. EXISTING FOUNDATION, POLE, MAST ARM, AND T-BASE SHALL NOT BE SALVAGED, EXISTING LUMINAIRE SHALL BE SALVAGED.
	EXISTING IDOT LIGHTING CONTROLLER TO REMAIN
	PROPOSED NAVIGATION LIGHTING CONTROLLER
	PROPOSED ELECTRIC UTILITY SERVICE
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED
	PROPOSED NAVIGATION LIGHTING UNIT 180 DEGREE RED (R) OR 360 DEGREE GREEN (G)
	EXISTING NAVIGATION LIGHTING UNIT TO REMAIN
	TEMPORARY LIGHTING CONTROLLER INSTALLED IN PREVIOUS STAGE
	TEMPORARY ELECTRIC UTILITY SERVICE INSTALLED IN PREVIOUS STAGE
	PROPOSED IDOT LIGHTING UNIT INSTALLED UNDER CONTRACT 62R22 OR 62F94
	PROPOSED IDOT COMBINATION LIGHTING UNIT INSTALLED UNDER CONTRACT 62R22
	PROPOSED IDOT LIGHTING CONTROLLER INSTALLED UNDER CONTRACT 62R22

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSANGER WIRE
NESC	NATIONAL ELECRIC SAFETY CODE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUCT, GALVANIZED STEEL
VAC	VOLTS, ALTERNATING CURRENT
W	WATTS
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

CALL-OUT SAMPLE	
DEFINITION AND EXAMPLE	
	3" DIA. UGC, GS 40'
	CKT: CONDUCTORS RACEWAY A&B: 3#2 & 1#4 GND 1 1/2" DIA. UD
	CONTROLLER DESIGNATION LOCATION DESCRIPTION
	CONTROLLER DESIGNATION CIRCUIT DESIGNATION CIRCUIT NUMBER LED LUMINAIRE OUTPUT DESIGNATION LETTER STA. 205+10 SET BACK 18' FROM F.O.C. OR E.O.P. SET BACK, AS NOTED PROPOSED LIGHTING UNIT
	SET BACK F.O.C. E.O.P. POLE SET BACK DETAIL

LIGHTING CABLE LEGEND	
	PROPOSED CABLE IN PVC CONDUIT SCHEDULE 40, EMBEDDED IN STRUCTURE, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT IN UNDERGROUND 4" DIA. PVC SCHEDULE 80 CONDUIT.
	EXISTING CABLE IN CONDUIT TO BE REMOVED
	EXISTING UNIT DUCT OR CABLE IN CONDUIT
	PROPOSED AERIAL CABLE, SIZE AND TYPE AS NOTED

GENERAL NOTES

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.
- THE EXISTING NAVIGATION LIGHTING SYSTEM SHALL REMAIN IN PLACE AND OPERATIONAL DURING AND AFTER CONSTRUCTION. ANY WORK REQUIRED TO KEEP THE NAVIGATION LIGHTING OPERATIONAL, INCLUDING BUT NOT LIMITED TO CABLE, CONDUIT, AND SOLAR POWERED NAVIGATION LIGHTS, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE MAINTENANCE OF LIGHTING SYSTEM PAY ITEM.

IDOT-D1 STANDARDS:

STANDARD NO.	TITLE
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-401	ALUMINUM LIGHT POLE 40'-0" (12.192 m) MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-703	MISC. ELECTRICAL DETAILS SHEET B
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION

I-80 CORRIDOR LIGHTING DETAILS:

TITLE

LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL 15" (381mm) BOLT CIRCLE

IDOT HIGHWAY STANDARD

STANDARD NO.	TITLE
812001-01	RACEWAYS EMBEDDED IN STRUCTURE

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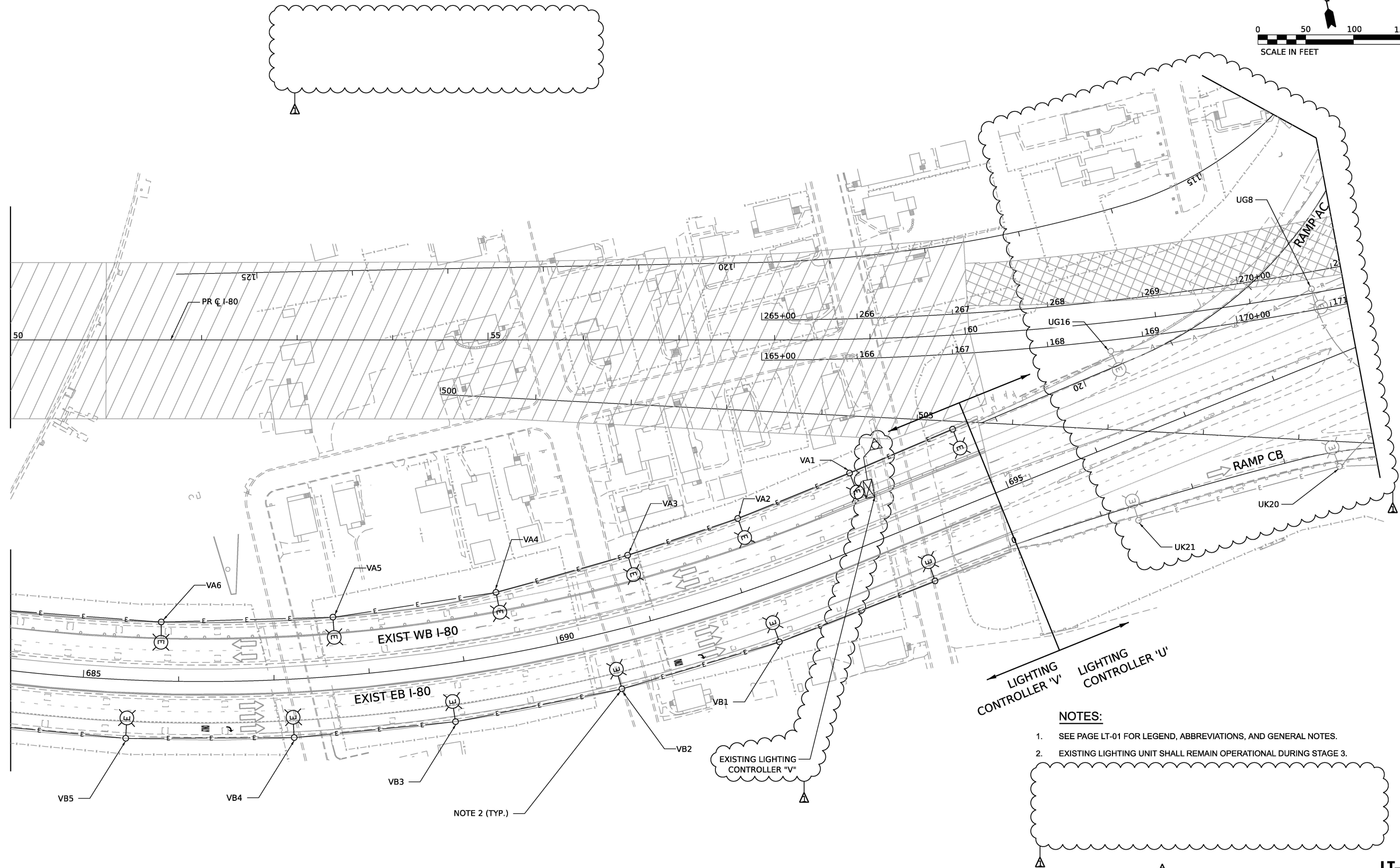
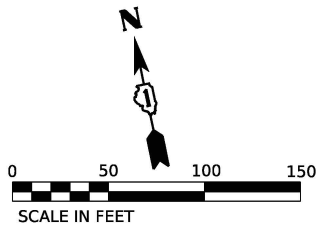
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	505
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

ITEM	UNIT	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	50
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	220
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., STAINLESS STEEL	FOOT	60
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	17,000
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	6
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	20
UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,560
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	10,010
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	8,695
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	26,085
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	250
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	35
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED	EACH	6
OBSTRUCTION WARNINGLIGHTINGCONTROLLER	EACH	1
LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	EACH	35
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	0
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	0
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	44
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
REMOVAL OF LUMINARIE, SALVAGE	EACH	44
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24
TEMPORARY ELECTRIC SERVICE INSTALLATION	EACH	0
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	0
TEMPORARY LIGHTING CONTROLLER	EACH	0
REMOVE TEMPORARY WOOD POLE	EACH	0
TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	0
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	35



NOTES:

- SEE PAGE LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 3.

LT-03



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PLOT DATE	= 1/28/2026	DATE	- 11/07/2025	REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS - STAGES 2 & 3
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	506
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

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PLOT DATE	= 1/28/2026

DESIGNED	- VG
DRAWN	- VN/MAG
CHECKED	- MG
DATE	- 11/07/2025

REVISED	-  01/30/2026
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 3
I-80 OVER DES PLAINES RIVER

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

 LT-04

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PLOT DATE	= 1/28/2026

DESIGNED	- VG
DRAWN	- VN/MAG
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DATE	- 11/07/2025

REVISED	-  01/30/2026
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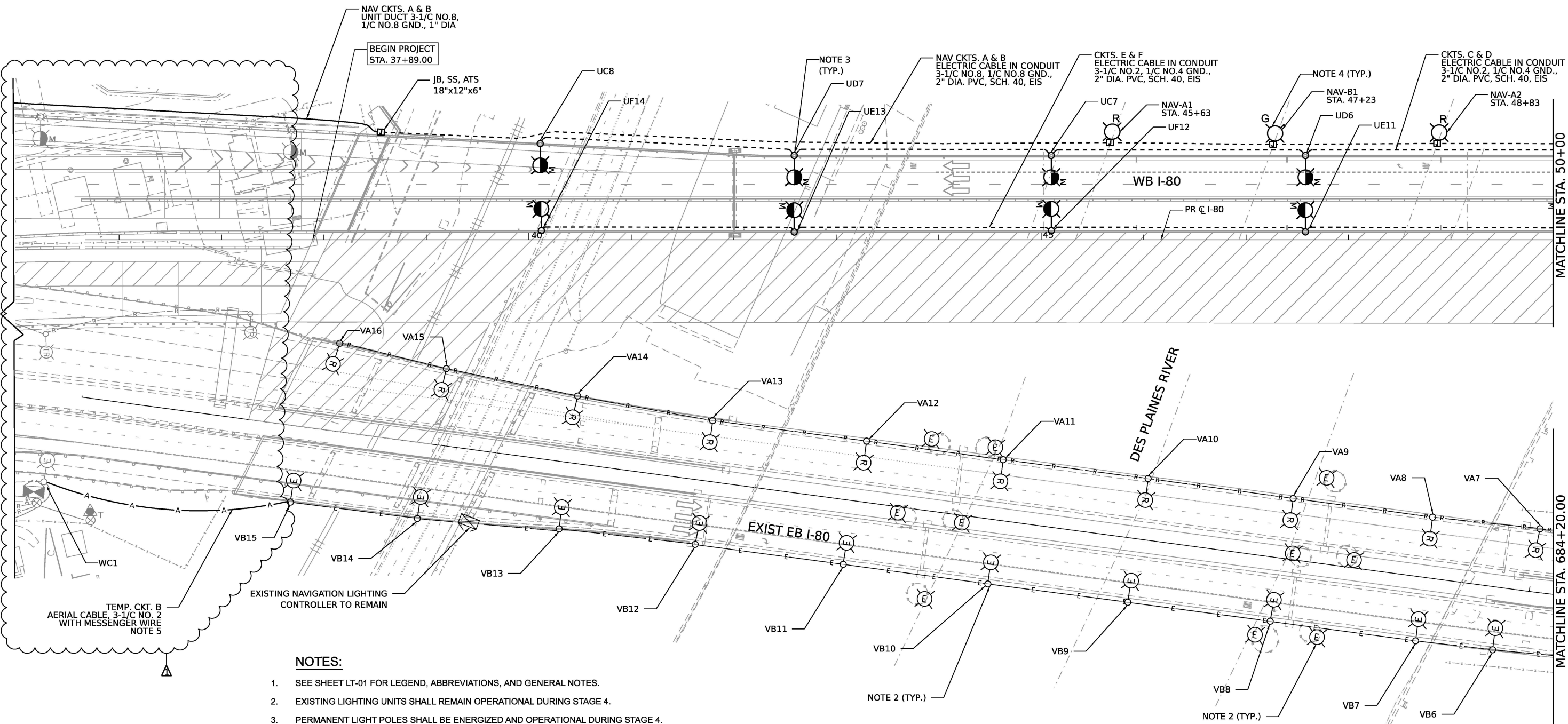
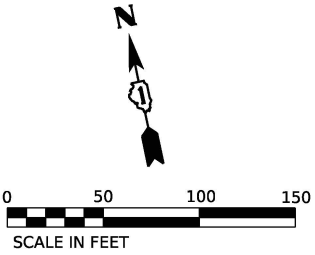
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 3
I-80 OVER DES PLAINES RIVER

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	508
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

 LT-05



- NOTES:**
- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - EXISTING LIGHTING UNITS SHALL REMAIN OPERATIONAL DURING STAGE 4.
 - PERMANENT LIGHT POLES SHALL BE ENERGIZED AND OPERATIONAL DURING STAGE 4.
 - PERMANENT NAVIGATION LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 4.
 - EXISTING LIGHTING CIRCUIT VB SHALL BE TEMPORARILY POWERED FROM CONTRACT 62R22 TEMP. CONTROLLER.

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DATE	- 11/07/2025

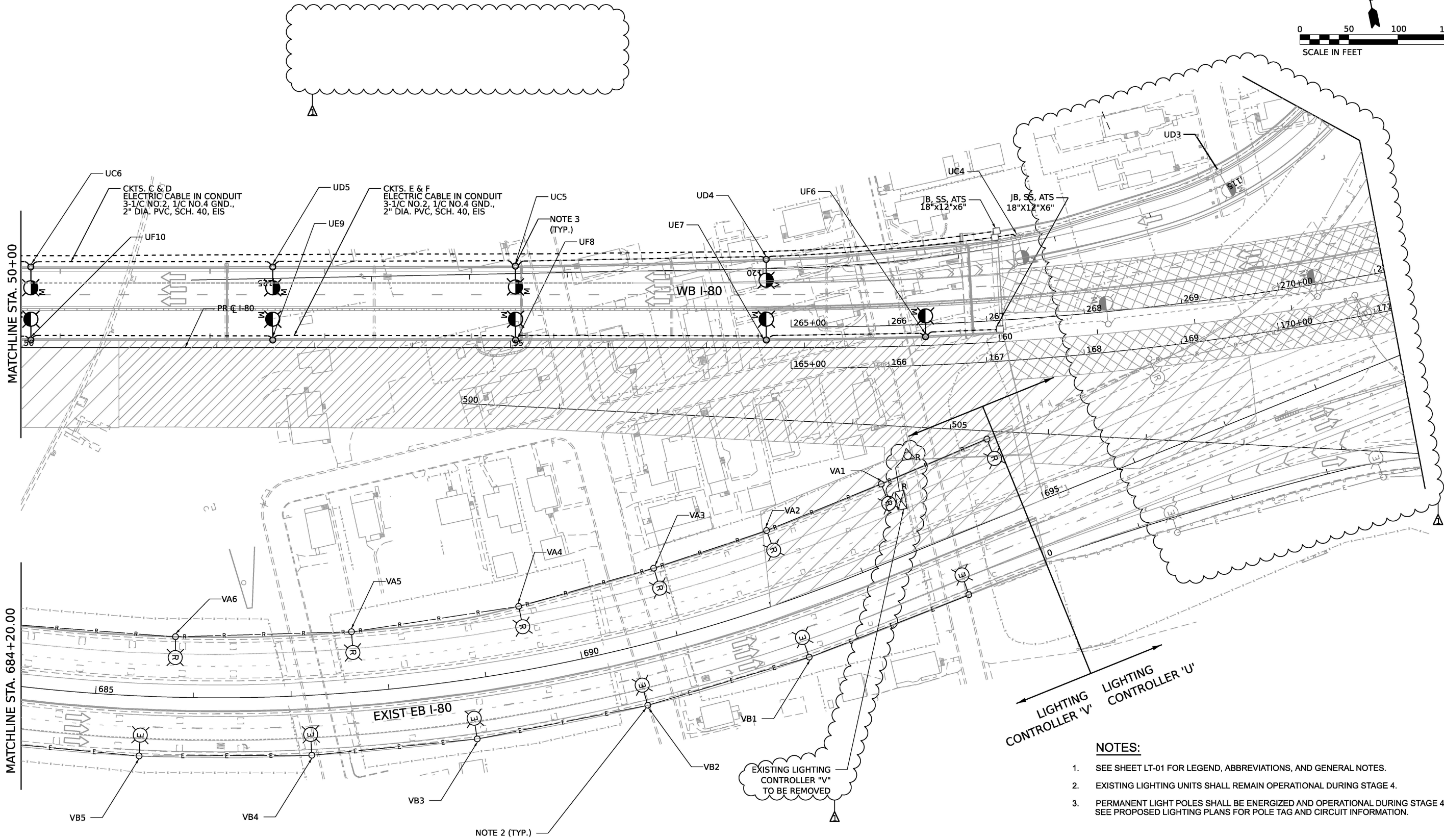
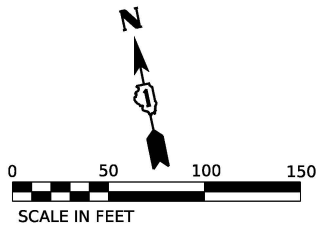
REVISED	- 01/30/2026
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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 4
I-80 OVER DES PLAINES RIVER

SCALE: 1 SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	509
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



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PLOT DATE =	1/28/2026	DATE -	11/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS - STAGE 4
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	510
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

LT-07

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USER NAME	= vgurskas
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PLOT DATE	= 1/28/2026

DESIGNED	- VG
DRAWN	- VN/MAG
CHECKED	- MG
DATE	- 11/07/2025

REVISED	-  01/30/2026
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 4
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	511
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

LT-08

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PLOT DATE	= 1/28/2026

DESIGNED	-	VG
DRAWN	-	VN/MAG
CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

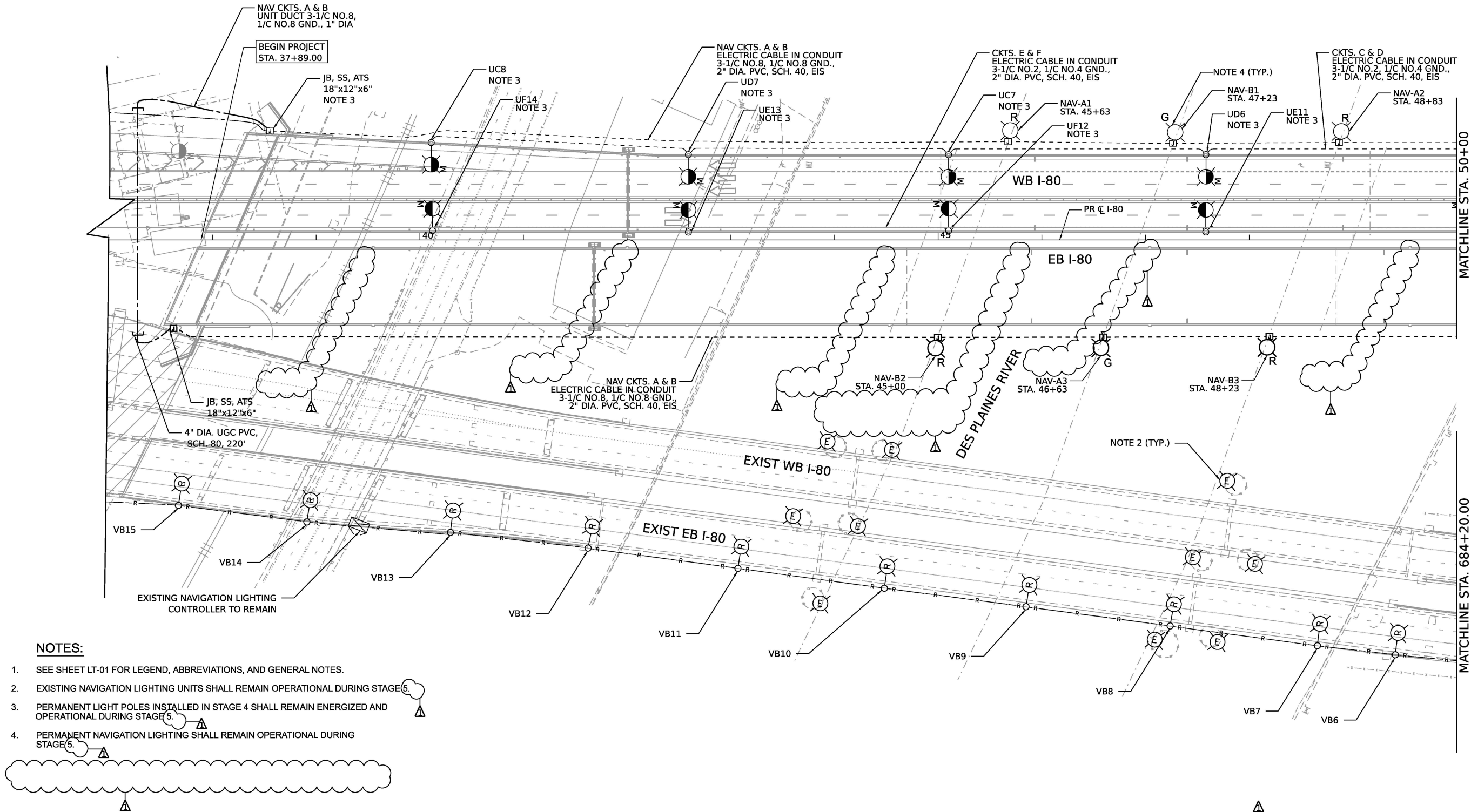
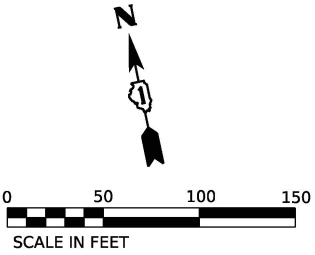
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 4
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	512
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

LT-09



- NOTES:**
- 1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - 2. EXISTING NAVIGATION LIGHTING UNITS SHALL REMAIN OPERATIONAL DURING STAGE 5.
 - 3. PERMANENT LIGHT POLES INSTALLED IN STAGE 4 SHALL REMAIN ENERGIZED AND OPERATIONAL DURING STAGE 5.
 - 4. PERMANENT NAVIGATION LIGHTING SHALL REMAIN OPERATIONAL DURING STAGE 5.



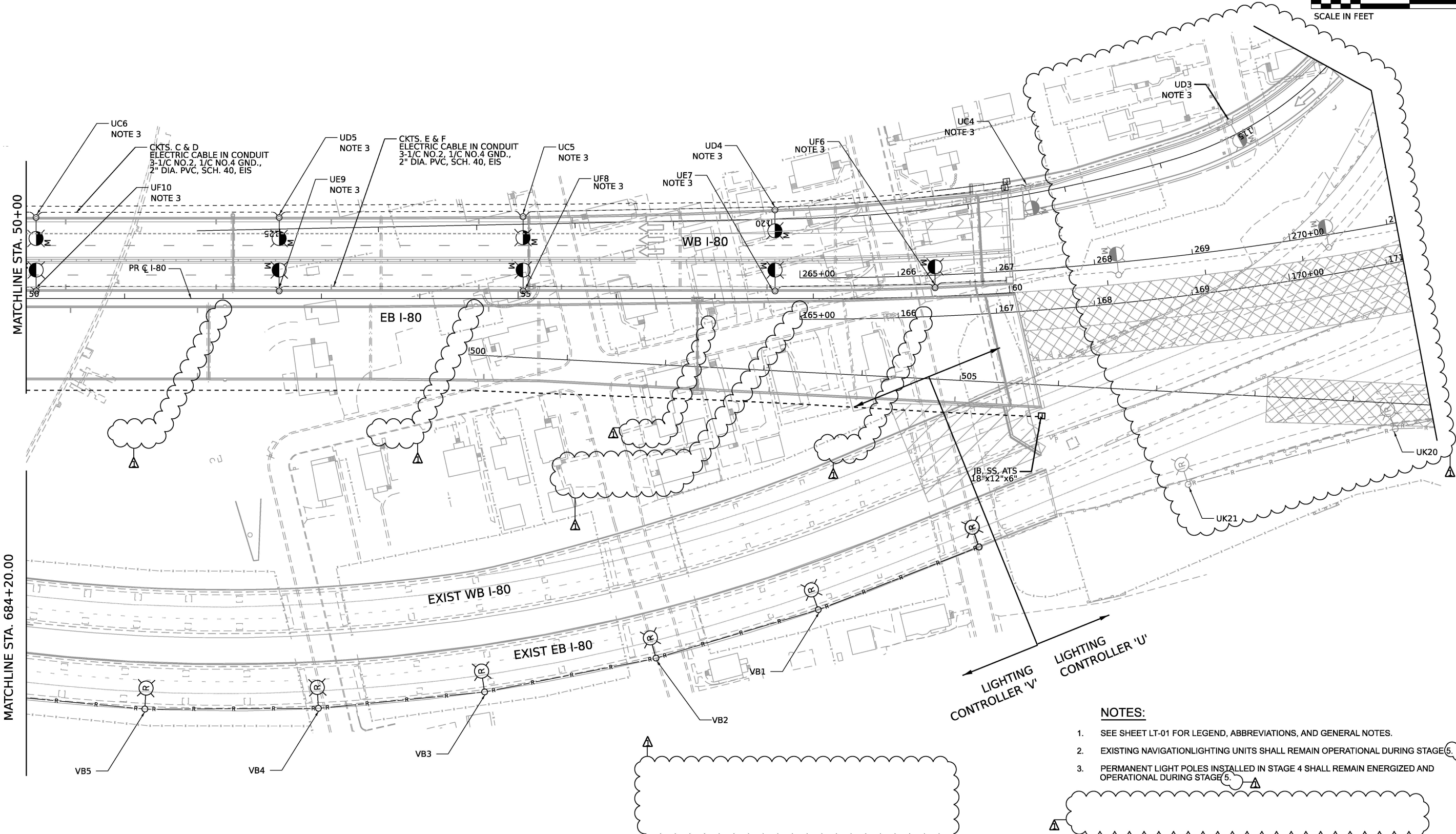
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PLOT DATE	= 1/28/2026	DATE -	11/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	513
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING NAVIGATION LIGHTING UNITS SHALL REMAIN OPERATIONAL DURING STAGE 5.
3. PERMANENT LIGHT POLES INSTALLED IN STAGE 4 SHALL REMAIN ENERGIZED AND OPERATIONAL DURING STAGE 5.

TEMPORARY AND REMOVAL LIGHTING PLANS - STAGE 5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	514
		CONTRACT NO. 62R23		
ILLINOIS		FED. AID PROJECT		

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PLOT DATE	= 1/28/2026

DESIGNED	- VG
DRAWN	- VN/MAG
CHECKED	- MG
DATE	- 11/07/2025

REVISED	-  01/30/2026
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5A
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	515
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

 LT-12

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CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	01/30/2026
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REVISED	-	
REVISED	-	

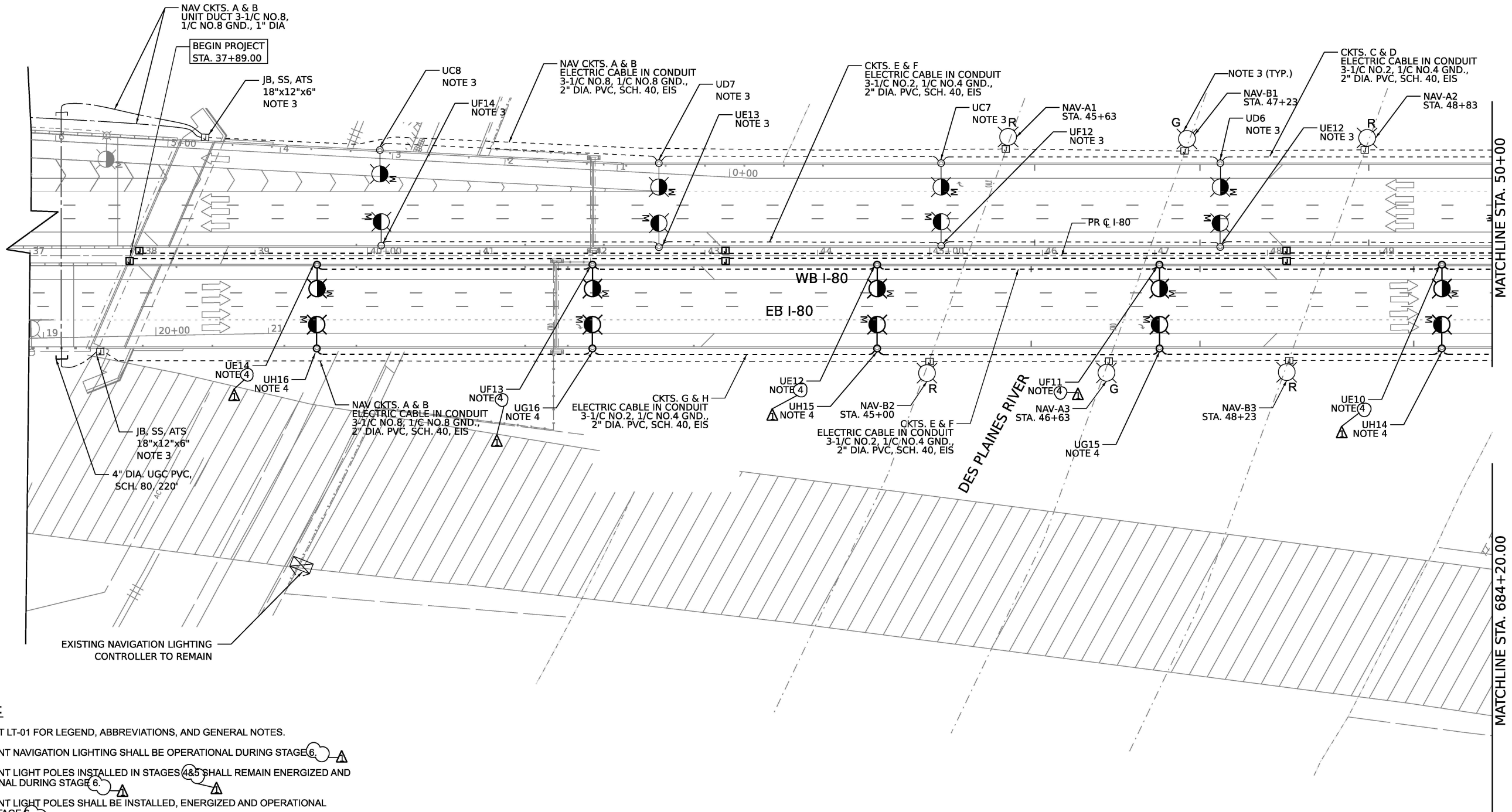
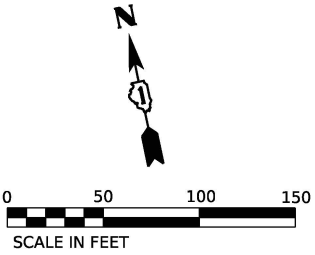
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5A
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	516
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

LT-13



- NOTES:**
- 1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - 2. PERMANENT NAVIGATION LIGHTING SHALL BE OPERATIONAL DURING STAGE 6.
 - 3. PERMANENT LIGHT POLES INSTALLED IN STAGES 4&5 SHALL REMAIN ENERGIZED AND OPERATIONAL DURING STAGE 6.
 - 4. PERMANENT LIGHT POLES SHALL BE INSTALLED, ENERGIZED AND OPERATIONAL DURING STAGE 6.

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PLOT DATE =	1/28/2026	DATE -	11/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 6
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	517
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

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PLOT DATE	= 1/28/2026

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DRAWN	- VN/MAG
CHECKED	- MG
DATE	- 11/07/2025

REVISED	-  01/30/2026
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5B
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	519
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

 **LT-16**

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PLOT DATE	= 1/28/2026

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DRAWN	-	VN/MAG
CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5B
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	520
CONTRACT NO. 62R23				
ILLINOIS			FED. AID PROJECT	

 LT-17

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PLOT DATE	= 1/28/2026

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DRAWN	-	VN/MAG
CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN I-80 OVER DES PLAINES RIVER			
SCALE: 1:50	SHEET 3	OF 4 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	523
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

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PLOT SCALE	= 100.000' / in.
PLOT DATE	= 1/28/2026

DESIGNED	-	VG
DRAWN	-	VN/MAG
CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN I-80 OVER DES PLAINES RIVER			
SCALE: 1:50	SHEET 4	OF 4 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	524
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

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PLOT SCALE	= 0.167' / in.
PLOT DATE	= 1/28/2026

DESIGNED	-	VG
DRAWN	-	VN/MAG
CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY IDOT CONTROLLER WIRING SCHEMATIC (INTERIM)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	525
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

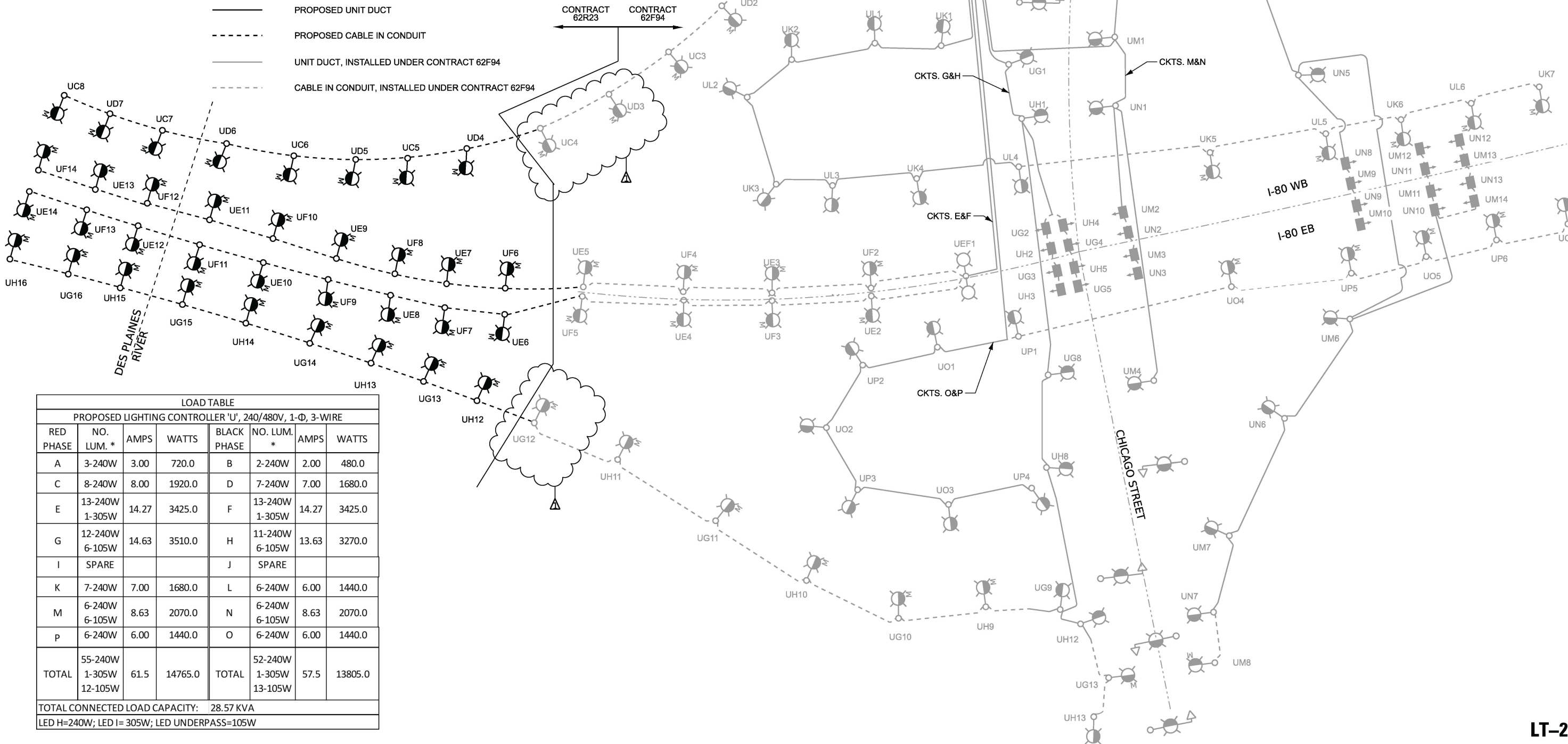
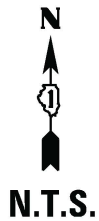
LEGEND

- PROPOSED IDOT LIGHTING UNIT, LED LUMINAIRE
- PROPOSED WALL MOUNTED IDOT LIGHTING UNIT, LED LUMINAIRE
- IDOT LIGHTING UNIT, INSTALLED UNDER CONTRACT 62F94
- IDOT WALL MOUNTED LIGHTING UNIT, INSTALLED UNDER CONTRACT 62F94
- IDOT TWIN LIGHTING UNIT, INSTALLED UNDER CONTRACT 62F94
- IDOT COMBINATION LIGHTING UNIT, INSTALLED UNDER CONTRACT 62F94
- LIGHTING CONTROLLER, 240/480V, SINGLE PHASE, 3 WIRE, SCADA & FIBER OPTIC, INSTALLED UNDER CONTRACT 62F94
- ELECTRIC UTILITY SERVICE, INSTALLED UNDER CONTRACT 62F94
- UNDERPASS LIGHTING UNIT, INSTALLED UNDER CONTRACT 62F94
- PROPOSED UNIT DUCT
- PROPOSED CABLE IN CONDUIT
- UNIT DUCT, INSTALLED UNDER CONTRACT 62F94
- CABLE IN CONDUIT, INSTALLED UNDER CONTRACT 62F94

PROPOSED SERVICE
240/480V, SINGLE PHASE,
3 WIRE

SERVICE CABLE
3-1/C 350MCM, UGC

PROPOSED IDOT LIGHTING
CONTROLLER "U, L0750", 480V, 200 AMP,
DUAL WITH RADIO & FIBER OPTIC PROVISION



LOAD TABLE							
PROPOSED LIGHTING CONTROLLER "U", 240/480V, 1-Φ, 3-WIRE							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	3-240W	3.00	720.0	B	2-240W	2.00	480.0
C	8-240W	8.00	1920.0	D	7-240W	7.00	1680.0
E	13-240W 1-305W	14.27	3425.0	F	13-240W 1-305W	14.27	3425.0
G	12-240W 6-105W	14.63	3510.0	H	11-240W 6-105W	13.63	3270.0
I	SPARE			J	SPARE		
K	7-240W	7.00	1680.0	L	6-240W	6.00	1440.0
M	6-240W 6-105W	8.63	2070.0	N	6-240W 6-105W	8.63	2070.0
p	6-240W	6.00	1440.0	O	6-240W	6.00	1440.0
TOTAL	55-240W 1-305W 12-105W	61.5	14765.0	TOTAL	52-240W 1-305W 13-105W	57.5	13805.0
TOTAL CONNECTED LOAD CAPACITY: 28.57 KVA							
LED H=240W; LED I= 305W; LED UNDERPASS=105W							

LT-23



USER NAME = vgnrskas	DESIGNED - VG	REVISED - 01/30/2026
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 0.167' / in.	CHECKED - MG	REVISED -
PLOT DATE = 1/28/2026	DATE - 11/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED IDOT CONTROLLER "U" WIRING SCHEMATIC

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	526
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

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CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1 – TEMPORARY CONTROLLER DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	530
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

 LT-27

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DRAWN	-	VN/MAG
CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1 – TEMPORARY CONTROLLER DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	531
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

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CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1 – TEMPORARY CONTROLLER DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	532
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

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PLOT DATE	= 1/28/2026

DESIGNED	-	VG
DRAWN	-	VN/MAG
CHECKED	-	MG
DATE	-	11/07/2025

REVISED	-	 01/30/2026
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1 – TEMPORARY CONTROLLER DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	533
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

 LT-30

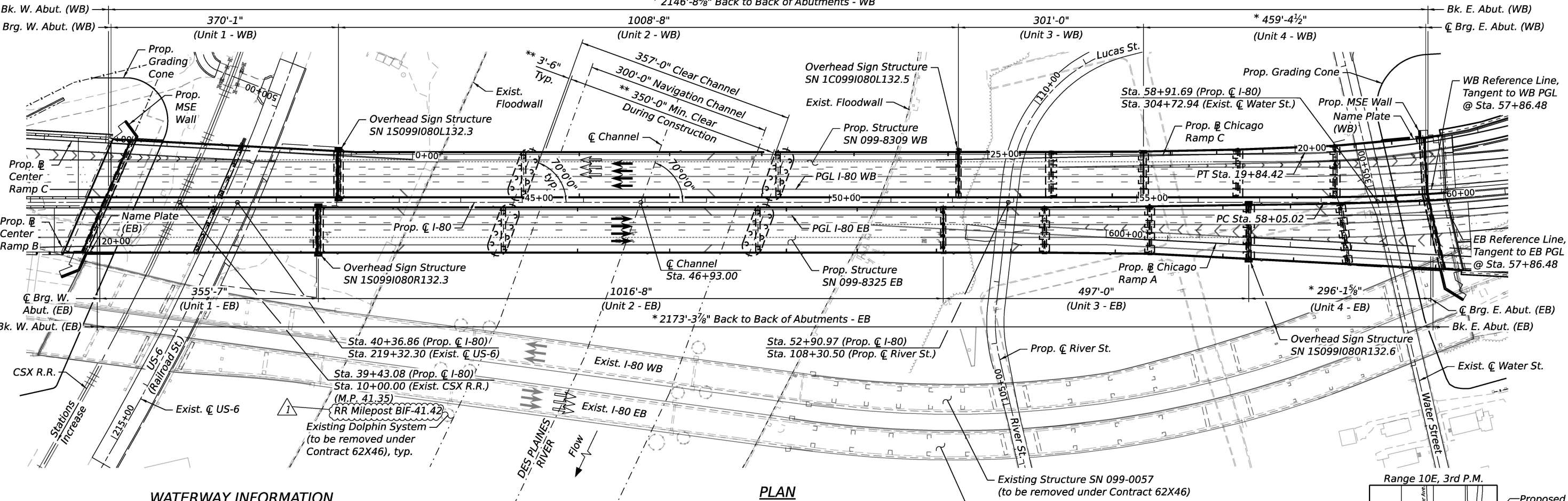
Benchmark: Magnetic nail in pavement, $\angle$ I-80 Sta. 38+10.02, Offset 504.24' Rt., Elev. 538.845.

Existing Structure: S.N. 099-0056 (EB) and S.N. 099-0057 (WB) were built in 1964 under Federal Aid Interstate Route 80 Project I-80-4(13)133 Section 99-3B, I-80-4(56)133 Section 99-3 F&E, I-UI-80-4(57)133 Section 99-3P, and I-UI-80-4(57)133 Section 99-3D. The existing 27-span structures have total lengths of approximately 2,362'-6" (EB) and 2,300'-0" (WB). S.N. 099 0056 (EB) has an out to out width varying from 60'-0" to 48'-0" from the west abutment to span 6, and varying from 46'-7½" to 49'-6" from the truss span to the east abutment. S.N. 099-0057 (WB) has an out to out width varying from 74'-0" to 48'-0" from the west abutment to span 6, and varying from 46'-7½" to 65'-6" from the truss to the east abutment. The existing superstructures consist of a 3-span continuous, cantilever through truss over the Des Plaines River (Spans 7 through 9) and simple and continuous approach spans with steel beams and variable thickness deck (6 1/4" min.) and concrete overlay. The existing substructures consists of concrete abutments and multi-column or two column piers. Existing abutments are supported on steel piles and the piers are supported on spread footings. The existing structure is to be partially demolished where in conflict with the proposed structure in this contract and the remainder in a separate contract.

Traffic Control: The proposed dual structures will be built while traffic remains open on the existing structures. Shift WB Stage II traffic onto the proposed WB structure in order to complete the proposed EB structure.

No salvage. Existing bridge to be removed under separate contract, except for portions shown along the east and west spans.

Bk. W. Abut. (WB) * 2146'-8½" Back to Back of Abutments - WB



WATERWAY INFORMATION

Drainage Area = 1397.0 Sq. Mi. Existing Overtopping Elev. = 589.57 @ Sta. 676+39 Prop. Overtopping Elev. = 595.33 @ Sta. 50+82.59									
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	9600	11867	12423	538.71	0.01	0.01	538.72	538.72
Base	50	15600	12369	12922	539.53	0.01	0.01	539.54	539.54
Overtopping	100	31100	12978	13527	540.50	0.05	0.02	540.55	540.52
Max. Calc.	>500	500	35500	13001	13551	540.53	0.06	0.02	540.59

10-Yr. velocity through existing structure = 0.8 fps
10-Yr. velocity through proposed structure = 0.7 fps
All time H.W.E. & Date = 542 ft HA 89

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)					Item 113
	Pier 3WB	Pier 3EB	Pier 4WB	Pier 4EB		
Q100	510.7	509.2	510.8	509.4		5
Q200	510.7	509.2	510.8	509.4		
Design	510.7	509.2	510.8	509.4		
Check	510.7	509.2	510.8	509.4		

The scour elevations shown in this table correspond to estimated top of rock elevation.

PLAN

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
 f'_c = 4,000 psi (Superstructure)
 f'_c = 5,000 psi (Pier 3 & 4 Drilled Shaft)
 f_y = 60,000 psi (Reinforcement)
 f_y = 50,000 psi (M270 Grade 50, Units 3 & 4)
 f_y = 50,000 psi (M270 Grade 50W, Units 1 & 2)
 f_y = 70,000 psi (M270 Grade HPS 70W, Unit 2 Flanges Over Piers 3 & 4 only)

PRECAST PRESTRESSED UNITS

f'_c = 8,500 psi
 f'_c = 6,500 psi
 f_{pu} = 270,000 psi (0.6" $\varnothing$ Low Relaxation Strands)
 f_{pbt} = 202,500 psi (0.6" $\varnothing$ Low Relaxation Strands)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

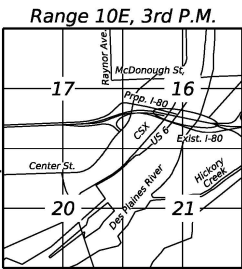
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.095g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.167g
Soil Site Class = D
Operational Classification = Critical

LEGEND:

- Stage I Traffic: Proposed WB Construction and Partial EB Construction
- Stage II Traffic: Completion of Proposed EB Construction
- Proposed Traffic
- * Dimension Measured Along Local Reference Line in Unit 4.
- ** Subject to USCG Approval.

NOTES:

- See sheet S-2 & S-3 for General Plan & Elevations.
- See sheet S-4 for Index of Sheets.



LOCATION SKETCH

KEY PLAN

I-80 OVER CSX, US-6 (RAILROAD ST.),
DES PLAINES RIVER (PUBLIC WATER),
RIVER ST. & WATER ST.
F.A.I. RTE. 80 - FAI 80 21 STRUCTURE 2

WILL COUNTY

STA. 46+93.00

STRUCTURE NO. 099-8309 WB

STRUCTURE NO. 099-8325 EB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET S-1 OF S-333 SHEETS

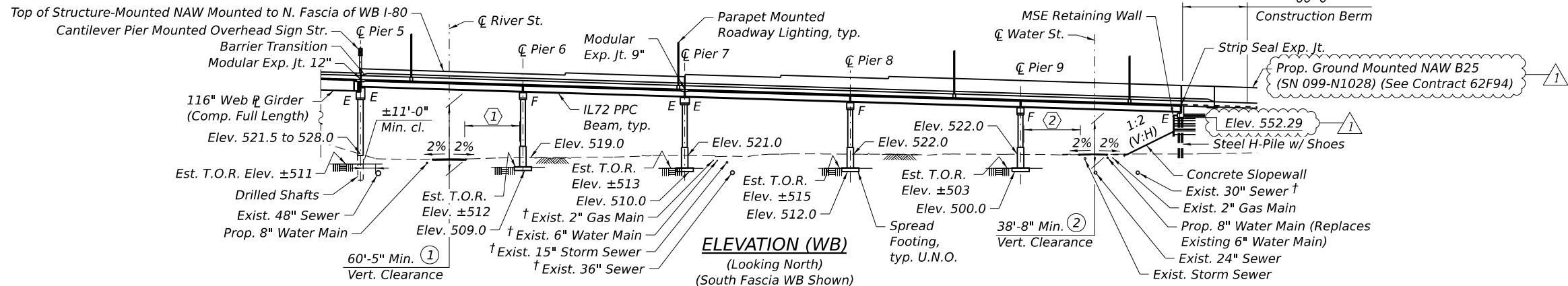
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	582
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

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WSP

WSP USA Inc.
30 N. LA SALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1094

USER NAME = USSJ696614	DESIGNED - PSK	REVISED - Δ 01/30/2026
PLOT SCALE = 166.667' / in.	CHECKED - PJL	REVISED -
PLOT DATE = 1/27/2026	DRAWN - PSK	REVISED -
	CHECKED - PJL	REVISED -



- * Out-to-Out varies from 75'-0" at Sta. 53+49.87 to 112'-1" at the East Abutment.
- ** Out-to-Out varies from 75'-0" at Sta. 53+60.65 to 93'-1 3/4" at the East Abutment.
- *** Varies from Sta. 53+98.94 to end of bridge deck, 15'-2" Max. to 8'-7 1/4" Min. (clear between back face of parapets)
- **** Dimension measured along local reference line in Unit 4.
- † Indicates utility to be abandoned.

- ① 35'-8" at River St., measured perp. from edge of roadway
- ② 29'-3" at Water St., measured perp. from edge of roadway

DECK TAPER STATIONS & OFFSETS
Measured From Prop. C I-80

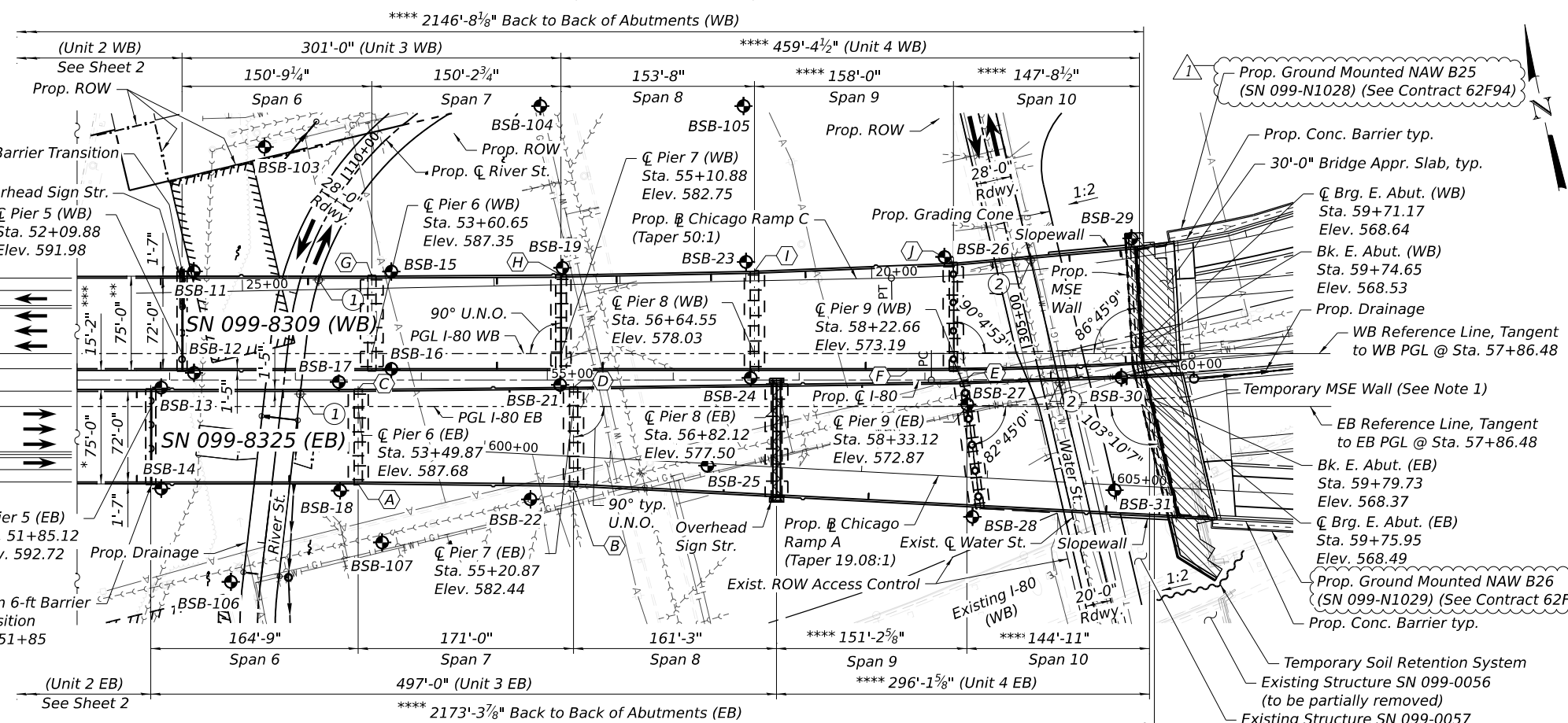
Ⓐ Sta. 53+49.87 Offset 82.58' RT	Ⓕ Sta. 57+86.48 Offset 7.58' LT
Ⓑ Sta. 55+20.87 Offset 84.33' RT	Ⓖ Sta. 53+60.65 Offset 82.58' LT
Ⓒ Sta. 53+49.87 Offset 7.58' RT	Ⓖ Sta. 55+10.88 Offset 83.34' LT
Ⓓ Sta. 55+20.87 Offset 5.85' RT	Ⓖ Sta. 56+64.55 Offset 86.41' LT
Ⓔ Sta. 58+30.84 Offset 1.56' RT	Ⓖ Sta. 58+22.96 Offset 92.67' LT

LEGEND

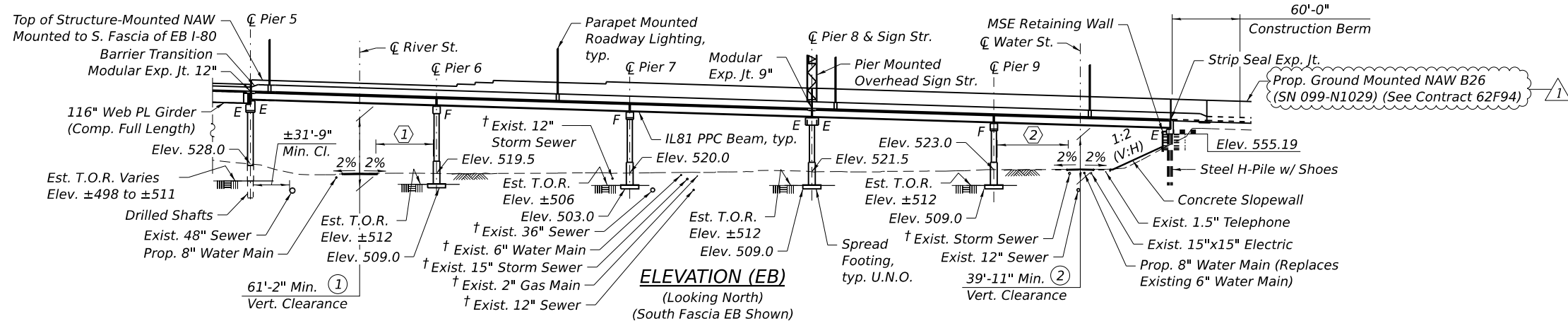
- ⬢ Indicates Boring Location
- ① Location of Min. Horiz. Clearance
- ① Location of Min. Vert. Clearance
- Ⓐ Location of Deck Kink Pt.
- U.N.O. Unless Noted Otherwise
- Est. T.O.R. Estimated Top of Rock
- Approximate Limits of Reinforced Soil Mass
- Temporary Soil Retention System
- Existing Sewer
- Existing Water Main
- Existing Gas Main
- Existing Underground Electric
- Existing Telephone
- Existing Aerial
- Existing Drainage
- Proposed Drainage
- Existing ROW
- Existing ROW for Access Control
- Proposed ROW
- Permanent Easement

NOTES:

- MSE Wall to be built in stages. See sheet S-14 for items related to staged wall construction.
- See sheet S-8 for Light Pole Locations tables.
- See sheet S-10 thru S-12 for existing utilities & drainage.
- See sheet S-189 for Drainage Scupper Locations tables.
- See deck plans for varying shoulder, gore and ramp widths.
- Up to 1/4" may be ground off the bridge deck and approach slabs.
- Offsets are taken from Proposed C I-80.



PLAN



ELEVATION (EB)
(Looking North)
(South Fascia EB Shown)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION - UNITS 3 & 4
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	584
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

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wsp
WSP USA INC.
30 N. LASSALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = USGM717780	DESIGNED - PSK	REVISED - 01/30/2026
PLOT SCALE = 1/20,000' / in.	CHECKED - PJL	REVISED -
PLOT DATE = 1/26/2026	DRAWN - PSK	REVISED -
	CHECKED - PJL	REVISED -

GENERAL NOTES

1. All work shown on these plans related to the fabrication of structural steel and bearings for Units 1 and 2 is for information only and is included in Contract 62W52.
2. Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted or coated metallized areas. Fasteners shall be ASTM F3125 Grade A325 Type 3 weathering steel bolts in unpainted areas. Bolts 7⁄8 in. diameter, holes 15⁄16 in. diameter, unless otherwise noted.
3. Calculated weight of structural steel:
- a. M270 Grade 50W = 1,586,190 Lbs. (Unit 1 WB)
 - b. M270 Grade 50W = 1,373,350 Lbs. (Unit 1 EB)
 - c. M270 Grade 50W = 6,609,970 Lbs. (Unit 2 WB)
 - d. M270 Grade HPS 70W = 818,410 Lbs. (Unit 2 WB)
 - e. M270 Grade 50W = 6,649,260 Lbs. (Unit 2 EB)
 - f. M270 Grade HPS 70W = 818,400 Lbs. (Unit 2 EB)
4. All structural steel shall be AASHTO M270 Grade 50W except designated flanges over interior piers which shall be AASHTO M270 Grade 70W and expansion bearings which shall be AASHTO M270 Grade 50, and unless otherwise noted in the plans.
5. No field welding is permitted except as specified in the contract documents.
6. All structural steel girders, cross-frames, lateral bracing, and exposed surfaces of bearings within a distance of 10 ft. each way from deck joints shall be metallized. See special provision for "Metallizing of Structural Steel." Fascia beam areas that have received metallizing shall be painted Reddish Brown, Munsell No 2.5YR 3/4, with the exception that the contact area between the girder bottom flange and bearing sole plate shall be metalized only and shall be masked off prior to application of the paint system. Units 1 and 2 only.
7. Exposed surfaces of bearings not under deck joints shall be painted using the Organic Zinc-Rich/Epoxy/Urethane paint system as specified in Section 506 of the Standard Specifications, unless otherwise noted. The color of the final finish coat shall be gray, Munsell No 5B 7/1. Units 1 and 2 only.
8. Reinforcement bars designated (E) shall be epoxy coated.
9. Reinforcement bars designated (S) shall be stainless steel.
10. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
11. Slipforming of the parapets is not allowed.
12. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
13. Drains shall be located clear of all diaphragms and lateral bracing.
14. A film forming Concrete Sealer shall be applied to the horizontal surfaces of the bridge seats of all abutments and Pier 2 WB, Pier 2 EB, Pier 5 WB, Pier 5 EB, Pier 7 WB, and Pier 8 EB. A penetrating Concrete Sealer shall be applied to the exposed vertical surfaces of all abutments including the backwall and front face of abutments and vertical faces of caps at Pier 2 WB, Pier 2 EB, Pier 5 WB, Pier 5EB, Pier 7 WB, and Pier 8 EB. Concrete sealer shall also be applied to all surfaces of the pier cap extensions beyond the outer pier column supporting overhead sign structures. Concrete Sealer shall be applied prior to setting bearings and girders.
15. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

GENERAL NOTES (CONTINUED)

16. The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
17. Construction and demolition activities shall be coordinated and approved by the United States Coast Guard (USCG) and the United States Army Corps of Engineers (USACE). No additional compensation or time will be allowed for USCG and USACE restrictions.
18. Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
19. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
20. The erection of the structural steel shall be accomplished by a steel erection contractor or sub-contractor certified as a Certified Structural Steel Erector (ACSE) with Bridge Erection Endorsement by AISC. See special provisions for "Erections of Complex Steel Structures."
21. Maintain existing navigation lights on the existing structures. For structures partially removed in this contract, the Contractor is responsible for providing power to the navigation lights at all times according to the special provision for "Maintenance of Lighting Systems". The cost is included with "Maintenance of Lighting Systems".
22. Due to large volumes of concrete placed in the substructure units of this contract, excessive heat of hydration may be present. The Contractor is alerted that the provisions of Article 1020.15 of the Standard Specifications may apply in these cases.
23. At structures with precast prestressed concrete beams, the beams may be placed on bearings upon delivery, but the bearings shall be reset after the 60th calendar day after beam casting. A minimum of 60 calendar days between casting of the beam and placing of the concrete deck shall be provided. The cost of repositioning of the beams on the bearings or resetting of bearings shall be included in the contract unit price for "Furnishing and Erecting Precast Prestressed Concrete, IL72" and "Furnishing and Erecting Precast Prestressed Concrete, IL81".
24. The Contractor shall submit calculations for lateral stability during shipping, handling, and erection to the Engineer for approval prior to shipping. The calculations shall indicate at a minimum, the shipping support locations, the assumed truck roll axis stiffness, wheel configuration and support heights, the maximum required roadway superelevation along the shipping route, and details of temporary strands or other temporary measures if required. The calculations shall be sealed and signed by an Illinois licensed Structural Engineer and submitted to the Engineer for approval. If temporary strands or other temporary measures for shipping stability are required, this will not constitute a change in scope in addition to "Furnishing and Erecting Precast Prestressed Concrete Beams, IL72" and "Furnishing and Erecting Precast Prestressed Concrete, IL81".
25. The Contractor shall measure the initial camber (at release) and measure the final camber (at erection). The measured values shall be shown on the shop drawings and shall be compared to the values shown in the contract documents and allowable tolerance. The Contractor shall verify beam camber to ensure deck plan thickness and minimum fillet are maintained. Camber values within the tolerance limits but differing from the contract plan values shall be reported to the Engineer for approval.

GENERAL NOTES (CONTINUED)

26. In addition to the coffercell requirements in the special provisions, the Contractor shall furnish, install, provide temporary power, and subsequently remove one 180 degree red navigation light on the upstream and downstream sides of the coffercell locations 1, 2, 3 and 4. The cost is included with "Maintenance of Lighting Systems".
27. The longitudinal limits of protective shield on the existing WB I-80 structure are from the C Pier 1 to C Pier 3 and from the C Pier 25 to C Pier 26. The transverse limits of the protective shield are as described in the standard specifications.
28. The Contractor shall coordinate the requirements of the ITS fiber optic conduits, supports and expansion fittings with the ITS Plans.
29. A Remote Weather Information System (RWIS) pole is located on the Unit 4 EB parapet. Three (3) ITS camera mounts are attached to brackets on the Unit 2 WB structural steel. See ITS Plans for details.
30. The Contractor shall furnish and display such lights and danger signals upon all of his floating plants, buoys, and temporary and permanent construction as may be required for guiding and warning boats. This includes, but is not limited to construction of causeways, coffercells, temporary soil retention, beam erection, or any other work causing an obstruction in the navigable waters. The Contractor may be required to relocate temporary navigation lights depending on the method of beam erection. The Contractor shall, in addition, comply with all applicable USCG regulations governing navigable channel requirements and with Code of Federal Regulations Title 33 - Navigation and Navigable Waters for additional information. The Contractor is responsible for supplying the electrical power required for temporary lighting and signals during construction. The Contractor shall verify that all navigational lights are functional and unobstructed at the completion of each workday. Prior to any obstruction of the channel, the contractor shall submit the proposed temporary navigation lights to the engineer for review and approval by the USCG. This work shall be approved by the Engineer and included in the cost for "Maintenance of Lighting Systems".

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WSP USA INC.
30 N. LA SALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME	= USGM717780	DESIGNED -	PSK	REVISED -	1 01/30/2026
		CHECKED -	PJL	REVISED -	
PLOT SCALE	= 0.167 ' / in.	DRAWN -	PSK	REVISED -	
PLOT DATE	= 1/29/2026	CHECKED -	PJL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES 1
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

SHEET S-5 OF S-333 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	586
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

EXISTING STRUCTURE ASSESSMENT NOTES

1. The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridges (Complex), for preparation of the Structural Assessment Report. Contractor's pre-approval shall not be applicable to this project. See Special Provision.

2. Current Ratings on File for Existing Structures:

SN 099-0056 (EB)
Inventory: 0.75 (HS 15.0)
Operating: 1.26 (HS 25.2)
Live Load Restrictions: No

SN 099-0057 (WB)
Inventory: 0.73 (HS 14.6)
Operating: 1.22 (HS 24.4)
Live Load Restrictions: No

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

3. The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.

4. The Contractor is alerted that the existing I-80 bridges have a super max. load restriction of 174,000 lbs. The Contractor shall contact Geno Koehler at IDOT via email at dot.permitoffice@illinois.gov before submitting to the automated permitting system (ITAP) any permit loads exceeding the 174,000 lbs. limit. After IDOT has been alerted, the Contractor shall fill out the permit application. On the permit application routing page, the Contractor shall enter an origin and the destination SN 099-0057, and then select "Ask the Permit Office for help". The Contractor shall then enter a note on each application requesting an override over the 174,000 lbs. limited structure, including the reason for the override, the documentation of the IDOT approval, and then the route anticipated, if known, to get to the structure.

CSX RAILROAD GENERAL NOTES

1. Refer to the CSX Transportation Public Project Information Manual for additional requirements needed for working on/above/adjacent to CSXT. Specific sections that pertain to this project are: Special Provisions for Construction near CSXT Property, Overhead Bridge Criteria, Construction Submission Criteria, Soil and Water Management Policy, and Insurance Requirements for Public Projects.

2. At project completion, Agency or its Contractor shall submit a set of "As-Built" plans for the proposed bridge construction and any work performed on the CSXT right-of-way. Please forward plans to CSX's authorized Representative.

3. Contractor access will be limited to the immediate project area only. The CSXT right-of-way outside the project area may not be used for contractor access to the project site and no temporary at-grade crossings will be allowed.

4. CSXT may require the Contractor to install filter fabric over the track(s) and ballast to prevent any construction debris from fouling the ballast. This will be determined during actual construction activities by CSXT or its Representative. Fabric will remain in place until all construction activities are complete.

5. The Contractor may not use CSXT right-of-way for storage of materials or equipment during construction without prior CSXT approval. The CSXT right-of-way must remain clear for railroad use at all times. Equipment may not be positioned to block the railroad access road, track area or any part of the CSXT right-of-way without prior CSXT approval.

6. Temporary Construction Clearance - Ensure all falsework, bracing or forms have a minimum horizontal clearance of 12 feet measured perpendicular to the centerline of the nearest track, and a minimum vertical clearance of 22 feet or existing clearance, whichever is less, as measured from the top of rail profile.

7. The Contractor will be required to abide by the provisions of the Agency/CSXT Construction Agreement. Periodically, throughout the project duration, the Contractor will be required to meet, discuss and, if necessary, take immediate action at the discretion of CSXT personnel and/or their authorized Representative, to comply with provisions of that agreement and these specifications

8. During and after completion of construction, the agency or its contractor must clear CSXT's drainage ditches of all debris to the satisfaction of CSXT's construction engineering inspection representative.

9. Upon completion of the work on CSXT property, the Contractor shall request the Owner to arrange a final inspection of the project with the Railroad's Project Engineer or his authorized Representative.

10. CSXT shall be notified at least 5 days in advance of the Pre-Construction Meeting.

11. CSXT has sole authority to determine the need for track protection required to protect its operations and property. In general, track protection will be required whenever Contractor or equipment are, or are likely to be, working within fifty feet of track or other track clearances as specified by CSX.

1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES 2
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

SHEET S-6 OF S-333 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	587
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	



WSP USA INC.
30 N. LA SALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME	= USSJ696614	DESIGNED -	PSK	REVISED -	 01/30/2026
		CHECKED -	PJL	REVISED -	
PLOT SCALE	= 0.167" / in.	DRAWN -	PSK	REVISED -	
PLOT DATE	= 1/28/2026	CHECKED -	PJL	REVISED -	

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Location	Station	Offset	Ht. of Parapet (ft)	Ht. of NAW (ft)	Total Ht. (ft)	NAW Weight (k/ft)
Start of NAW B25 (Span 5)	51+04.00	82.42' LT	3.67	2.33	6.00	0.06
☐ Pier 5	52+09.88	82.58' LT	6.00	4.00	10.00	0.10
☐ Pier 6	53+60.65	82.58' LT	6.00	4.00	10.00	0.10
Height Transition	54+00.00	82.78' LT	6.00	6.00	12.00	0.13
☐ Pier 7	55+10.88	83.33' LT	6.00	8.00	14.00	0.18
Height Transition	56+00.00	85.12' LT	6.00	10.00	16.00	0.22
☐ Pier 8	56+64.55	86.41' LT	6.00	10.00	16.00	0.22
Height Transition	57+00.00	87.82' LT	6.00	12.00	18.00	0.25
☐ Pier 9	58+22.96	92.67' LT	6.00	12.00	18.00	0.25
F.F. of E. Abut. Backwall	59+72.28	101.56' LT	6.00	12.00	18.00	0.25
E. End of E. Appr. Slab	60+01.05	103.87' LT	6.00	12.00	18.00	0.25

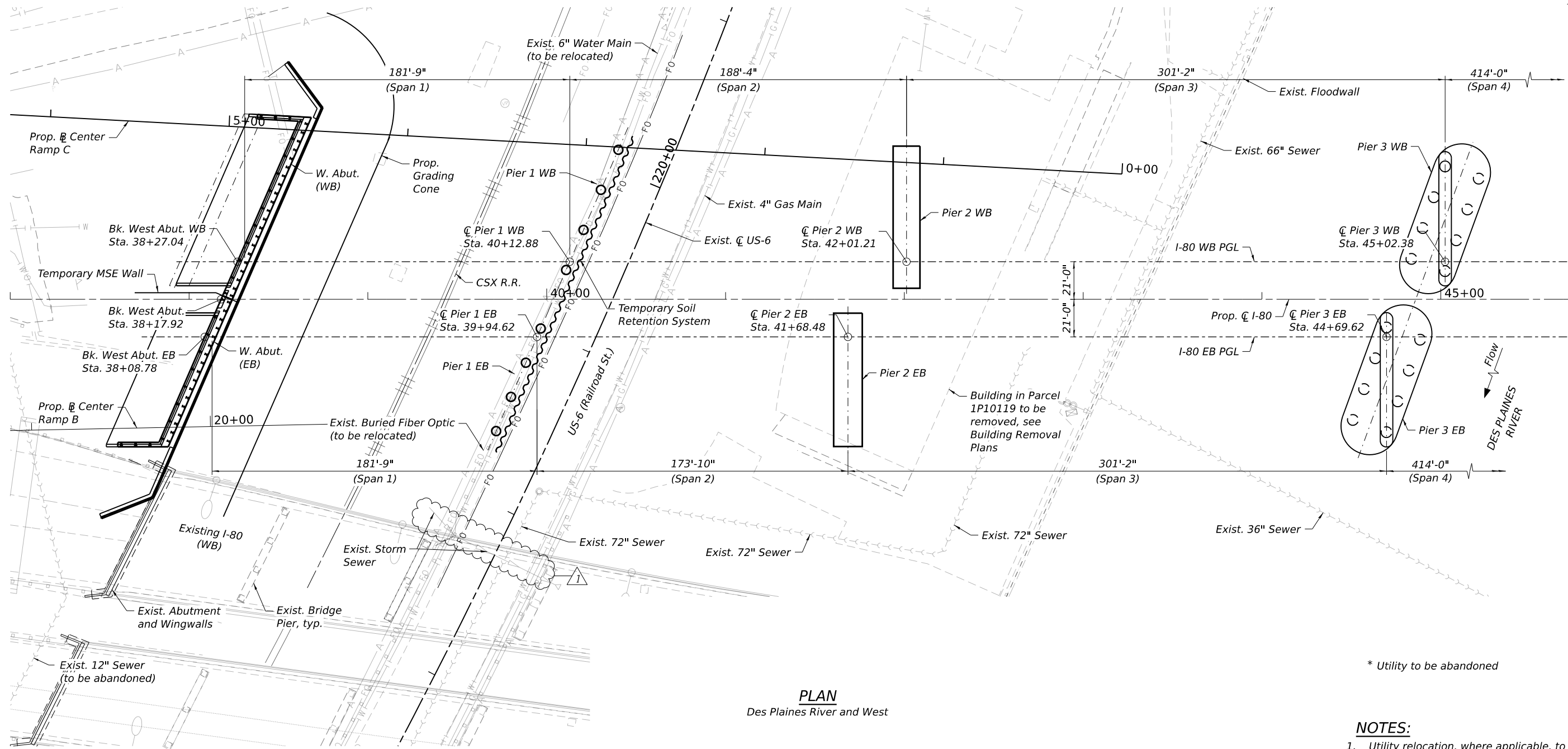
Location	Station	Offset	Ht. of Parapet (ft)	Ht. of NAW (ft)	Total Ht. (ft)	NAW Weight (k/ft)
Start of NAW B26 (Span 5)	48+84.00	82.42' RT	3.67	2.33	6.00	0.06
☐ Pier 5	51+85.12	82.58' RT	6.00	4.00	10.00	0.10
☐ Pier 6	53+49.87	82.58' RT	6.00	4.00	10.00	0.10
Height Transition	53+68.00	82.77' RT	6.00	6.00	12.00	0.13
Height Transition	53+84.00	82.93' RT	6.00	8.00	14.00	0.18
Height Transition	54+00.00	83.10' RT	6.00	10.00	16.00	0.22
Height Transition	55+00.00	84.12' RT	6.00	12.00	18.00	0.25
☐ Pier 7	55+20.87	84.33' RT	6.00	12.00	18.00	0.25
☐ Pier 8	56+82.12	92.78' RT	6.00	12.00	18.00	0.25
☐ Pier 9	58+42.37	101.47' RT	6.00	12.00	18.00	0.25
F.F. of E. Abut. Backwall	59+94.06	115.26' RT	6.00	12.00	18.00	0.25
E. End of E. Appr. Slab	60+20.89	118.49' RT	6.00	12.00	18.00	0.25

DESIGN LOADS
Strength III or V Wind: 35psf
Service I Wind: 15psf
Traffic Impact per 2020 AASHTO LRFD
Bridge Design Specifications, 9th Edition

NAME PLATE (EB)
See Std. 515001

ITEM	UNIT	WB SUPER	WB SUB	EB SUPER	EB SUB	TOTAL
Removal of Existing Structures No. 1	Each	-	1	-	-	1
Removal of Existing Structures No. 2	Each	-	-	-	1	1
Protective Shield	Sq. Yd.	-	745	-	340	1,085
Structure Excavation	Cu. Yd.	-	2,073	-	2,489	4,562
Rock Excavation for Structures	Cu. Yd.	-	477	-	485	962
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	-	1,919	-	7,601	9,520
Concrete Structures	Cu. Yd.	59.1	7,440.4	59.6	7,511.0	15,070.1
Concrete Superstructure	Cu. Yd.	5,584.0	-	5,828.6	-	11,412.6
Protective Coat	Sq. Yd.	20,829	-	21,611	-	42,440
Concrete Superstructure (Approach Slab)	Cu. Yd.	267.6	-	269.9	-	537.5
Furnishing and Erecting Precast Prestressed Concrete Beams, IL72	Foot	6,951	-	-	-	6,951
Furnishing and Erecting Precast Prestressed Concrete Beams, IL81	Foot	-	-	8,579	-	8,579
Erecting Structural Steel	L. Sum	0.5	-	0.5	-	1
Stud Shear Connectors	Each	32,144	-	30,428	-	62,572
Reinforcement Bars	Pound	-	252,580	-	270,650	523,230
Reinforcement Bars, Epoxy Coated	Pound	120,880	950,780	120,040	961,740	2,153,440
Bar Splicers	Each	482	-	559	-	1,041
Slope Wall 4 Inch	Sq. Yd.	-	1,071	-	840	1,911
Furnishing Steel Piles HP14x89	Foot	-	3,216	-	3,084	6,300
Driving Piles	Foot	-	3,216	-	3,084	6,300
Test Pile Steel HP14x89	Each	-	2	-	2	4
Pile Shoes	Each	-	69	-	68	137
Name Plates	Each	1	-	1	-	2
Permanent Casing	Foot	-	490	-	539	1,029
Drilled Shaft in Soil	Cu. Yd.	-	504.7	-	560.4	1,065.1
Drilled Shaft in Rock	Cu. Yd.	-	356.9	-	383.3	740.2
Preformed Joint Strip Seal	Foot	195	-	196	-	391
Elastomeric Bearing Assembly, Type I	Each	36	-	40	-	76
Elastomeric Bearing Assembly, Type II	Each	-	-	4	-	4
Anchor Bolts, 1"	Each	144	-	128	-	272
Anchor Bolts, 1 1/2"	Each	208	-	216	-	424
Temporary Soil Retention System	Sq. Ft.	-	461	-	2,144	2,605
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	-	3,481	-	4,931	8,412
Temporary Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	-	2,325	-	-	2,325
Drainage System for Structures	L. Sum	0.5	-	0.5	-	1
Concrete Sealer	Sq. Ft.	-	25,817	-	22,337	48,154
Crosshole Sonic Logging Access Ducts	Foot	-	897	-	980	1,877
Crosshole Sonic Logging Testing	Each	-	24	-	24	48
Thermal Integrity Profile Testing	Each	-	24	-	24	48
Thermal Integrity Profile Data Collection	Foot	-	897	-	980	1,877
Coffercell (Location - 1)	Each	-	1	-	-	1
Coffercell (Location - 2)	Each	-	-	-	1	1
Coffercell (Location - 3)	Each	-	1	-	-	1
Coffercell (Location - 4)	Each	-	-	-	1	1
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	12,665	-	12,474	-	25,139
Reinforcement Bars, Stainless Steel	Pound	1,908,110	95,290	2,011,740	113,990	4,129,130
Bar Terminators	Each	282	-	302	-	584
Erecting High Load Multi-Rotational Bearings, Disc, Fixed - 900k	Each	-	10	-	8	18
Erecting High Load Multi-Rotational Bearings, Disc, Fixed - 1500k	Each	-	8	-	8	16
Erecting High Load Multi-Rotational Bearings, Disc, Non-Guided Expansion - 300k	Each	-	2	-	-	2
Erecting High Load Multi-Rotational Bearings, Disc, Guided Expansion - 300k	Each	-	18	-	16	34
Erecting High Load Multi-Rotational Bearings, Disc, Guided Expansion - 500k	Each	-	16	-	16	32
Erecting High Load Multi-Rotational Bearings, Disc, Guided Expansion - 1500k	Each	-	8	-	8	16
Chain Link Fence, 4' Attached to Structure	Foot	-	53	-	133	186
Vertical Clearance Gauge	Each	-	1	-	1	2
Drainage Scuppers (Special)	Each	24	-	21	-	45
Drainage Scuppers, DS-11	Each	22	-	12	-	34
Diamond Grinding (Bridge Section)	Sq. Yd.	17,509	-	18,172	-	35,681
Modular Expansion Joint 9"	Foot	73	-	87	-	160
Modular Expansion Joint 12"	Foot	72	-	72	-	144
Modular Expansion Joint 15"	Foot	74	-	72	-	146
Rock Fill	Cu. Yd.	-	8,614	-	9,608	18,222

MODEL Default:
FILE NAME: p:\projects\trans\scorp-pw\hatched\Documents\Projects_2018\CH4001401180022\03-WSP\CAD\62R23-RB-1\Sheet\Structure\099-8309-42R23-5110-LAY01.dgn



PLAN
Des Plaines River and West

* Utility to be abandoned

- NOTES:**
- Utility relocation, where applicable, to occur prior to start of construction.
 - Local attachments to buildings may be assumed to be abandoned and/or removed, see building demolition contract for more details.

LEGEND

- | | |
|-----------------------------|---------------------------------------|
| ->->->- Existing Sewer | — T — Existing Telephone |
| — W — Existing Water Main | — A — Existing Aerial |
| — G — Existing Gas Main | —> Existing Drainage |
| — FO — Existing Fiber Optic | ~~~~~ Temporary Soil Retention System |
| — E — Existing Electric | |



WSP USA INC.
30 N. LA SALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = USGM717780
DESIGNED - PSK
CHECKED - PJL
PLOT SCALE = 60,000' / in.
DRAWN - KA
PLOT DATE = 1/26/2026

DESIGNED - PSK
CHECKED - PJL
DRAWN - KA
PLOT DATE = 1/26/2026

REVIS
1
01/30/2026
REVIS
REVIS
REVIS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE LAYOUT 1
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB**

SHEET 5-10 OF 5-333 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	591
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

