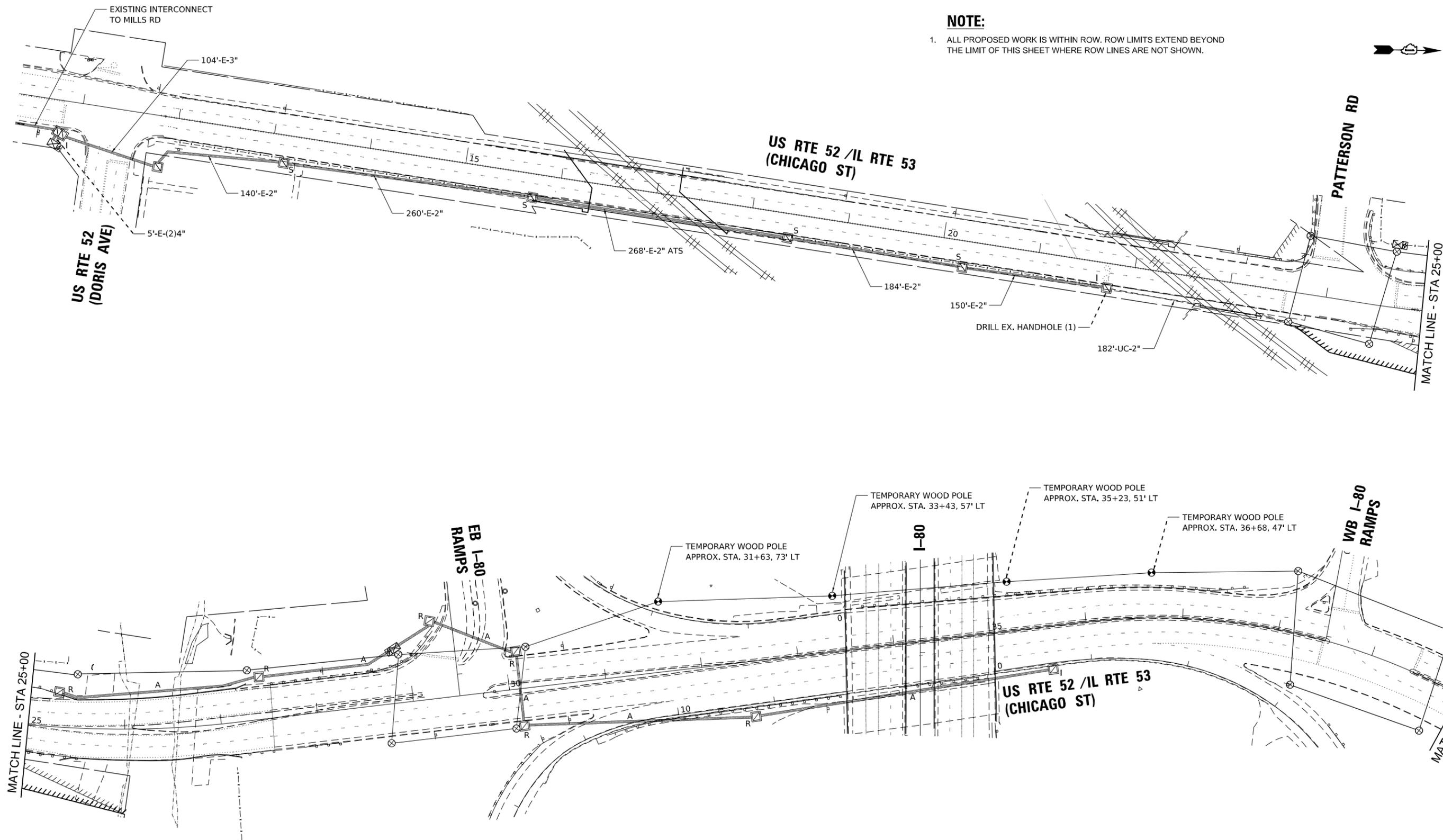
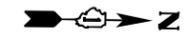


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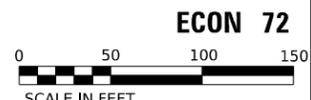


NOTE:
 1. ALL PROPOSED WORK IS WITHIN ROW. ROW LIMITS EXTEND BEYOND THE LIMIT OF THIS SHEET WHERE ROW LINES ARE NOT SHOWN.



MATCH LINE - STA 25+00

MATCH LINE - STA 40+00
 SEE TS SHT NO. 27



ECON 72



USER NAME = ggedemer	DESIGNED - GJG	REVISED -
	DRAWN - GJG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - SSA	REVISED -
PLOT DATE = 11/5/2025	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**

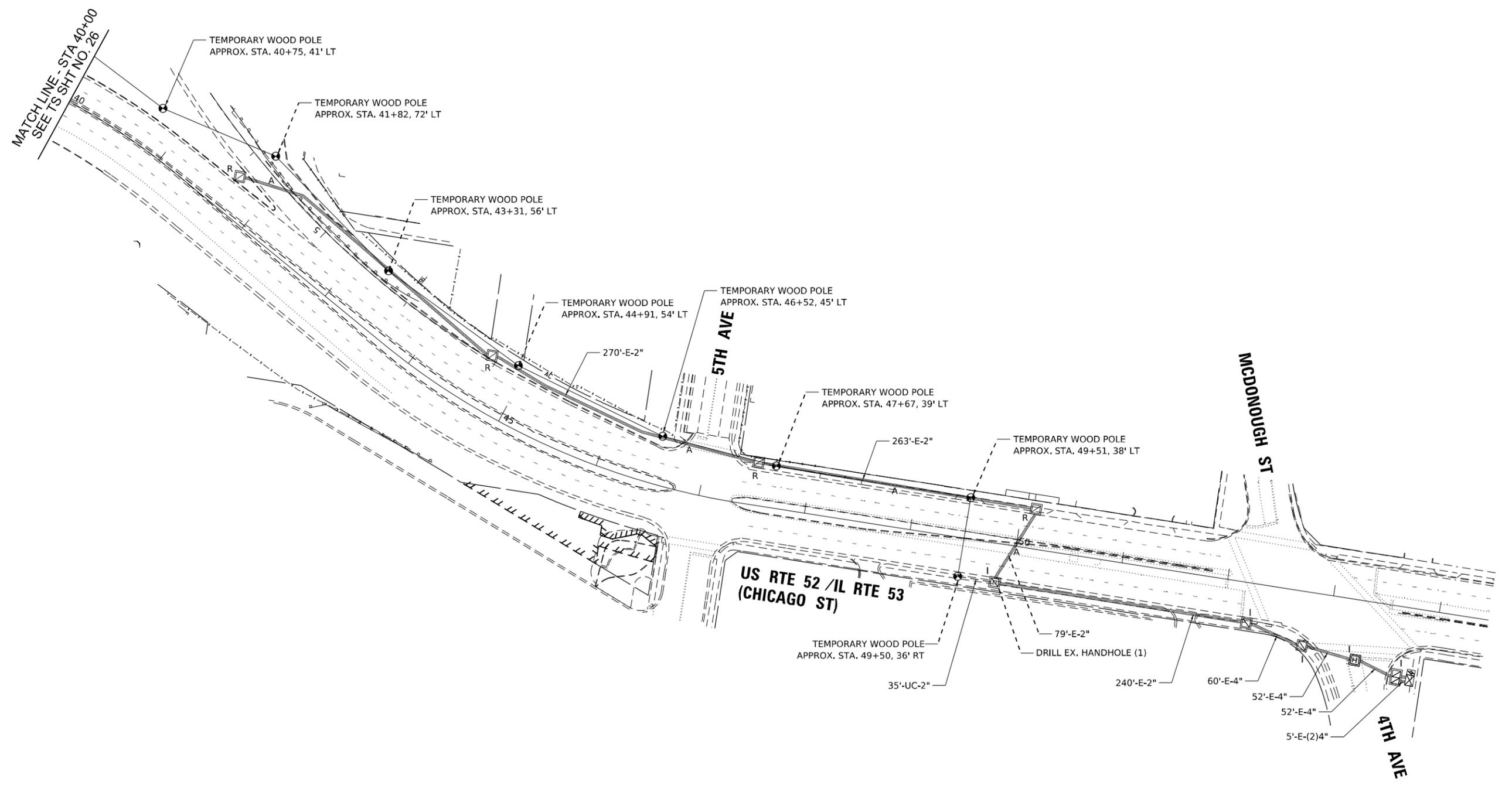
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

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				



NOTE:

1. ALL PROPOSED WORK IS WITHIN ROW. ROW LIMITS EXTEND BEYOND THE LIMIT OF THIS SHEET WHERE ROW LINES ARE NOT SHOWN.



TS SHT NO. 13

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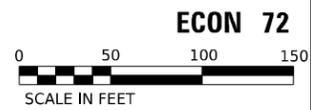
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DRAWN - GJG	REVISIONS -	
PLOT SCALE = 100,000' / in.	CHECKED - SSA	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

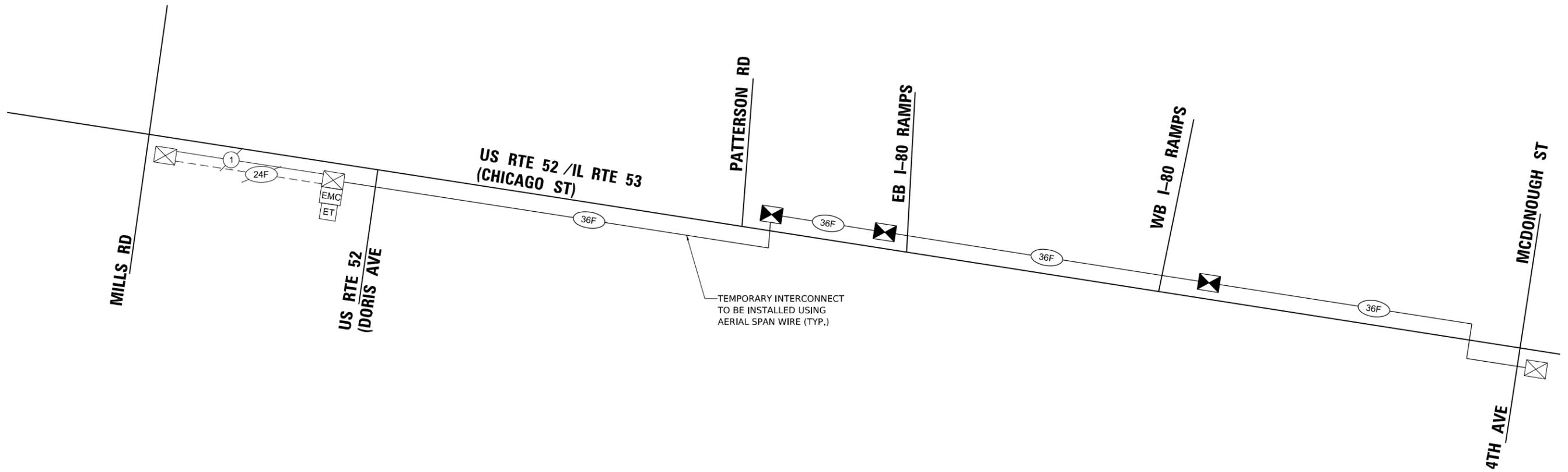
**TEMPORARY INTERCONNECT PLAN
US RTE 52 / IL RTE 53 (CHICAGO ST) AT I-80**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	502
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



ECON 72



TS SHT NO. 14

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ECON 72



SCALE IN FEET

USER NAME = ggedemer	DESIGNED - GJG	REVISED -
	DRAWN - GJG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - EEC	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	503
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

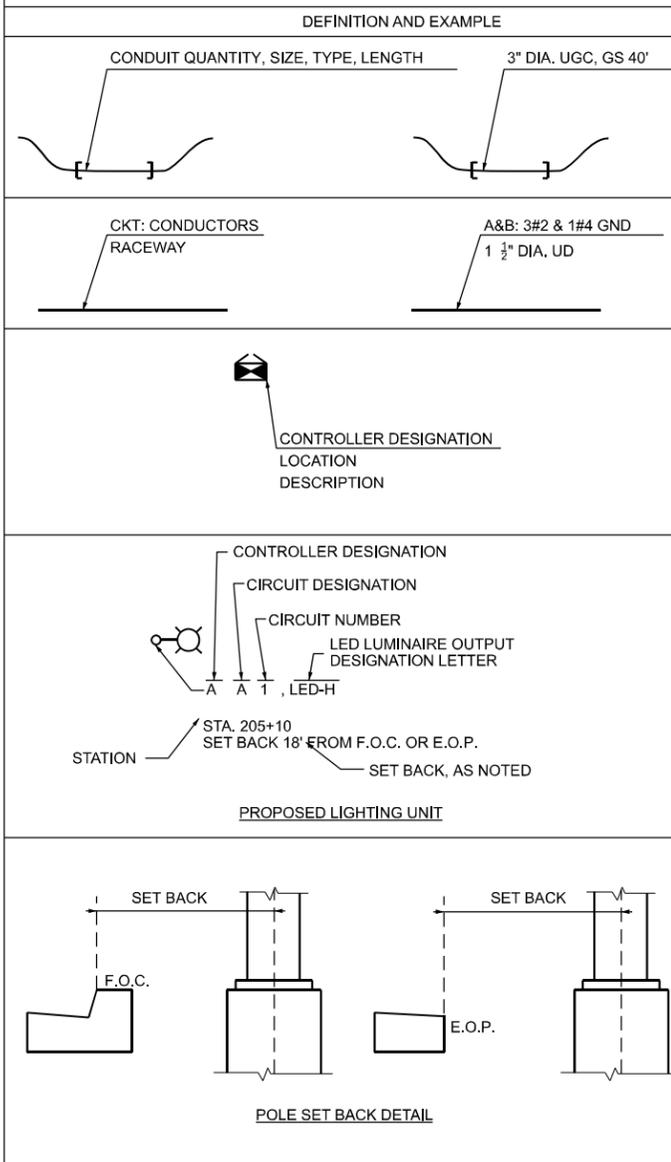
LIGHTING AND ELECTRICAL LEGEND

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.
	TEMPORARY LIGHTING UNIT, 60 FT WOOD POLE, 15 FT MAST ARM, LED LUMINAIRE AT 50 FT MOUNTING HEIGHT, OUTPUT DESIGNATION H (30,500 LUMENS MINIMUM, 4000°K CCT)
	EXISTING TEMPORARY LIGHTING UNIT FROM PREVIOUS STAGE
	TEMPORARY LIGHTING UNIT TO BE REMOVED
	TEMPORARY WOOD POLE, CLASS 4, 60 FT
	EXISTING TEMPORARY WOOD POLE, FROM PREVIOUS STAGE
	EXISTING IDOT LIGHTING CONTROLLER TO REMAIN
	PROPOSED NAVIGATION LIGHTING CONTROLLER
	TEMPORARY 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) R/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
	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	MESSENGER WIRE
NESC	NATIONAL ELECTRIC 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 CONDUIT, 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



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
	EXISTING AERIAL CABLE FROM PREVIOUS STAGE
	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-200	LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLT, 200 AMP, (DUAL)
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

MODEL: D:\idot\... FILE NAME: ... PROJECT: ...



USER NAME = vjguskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE =	CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING LEGEND AND GENERAL NOTES

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	504
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

LT-01

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 11/07/2025

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	340
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., STAINLESS STEEL	FOOT	60
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	17,500
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	19
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	1,050
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	9,305
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	27,915
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	5,440
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	38
WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED	EACH	6
OBSTRUCTION WARNING LIGHTING CONTROLLER	EACH	1
LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	EACH	38
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	15
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	3
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	44
REMOVAL OF LUMINAIRE, SALVAGE	EACH	44
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24
TEMPORARY ELECTRIC SERVICE INSTALLATION	EACH	1
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	15
TEMPORARY LIGHTING CONTROLLER	EACH	1
REMOVE TEMPORARY WOOD POLE	EACH	3
TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	3
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	38



USER NAME = vgruskas	DESIGNED - VG	REVISED -
PLOT SCALE = 0.167' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/05/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

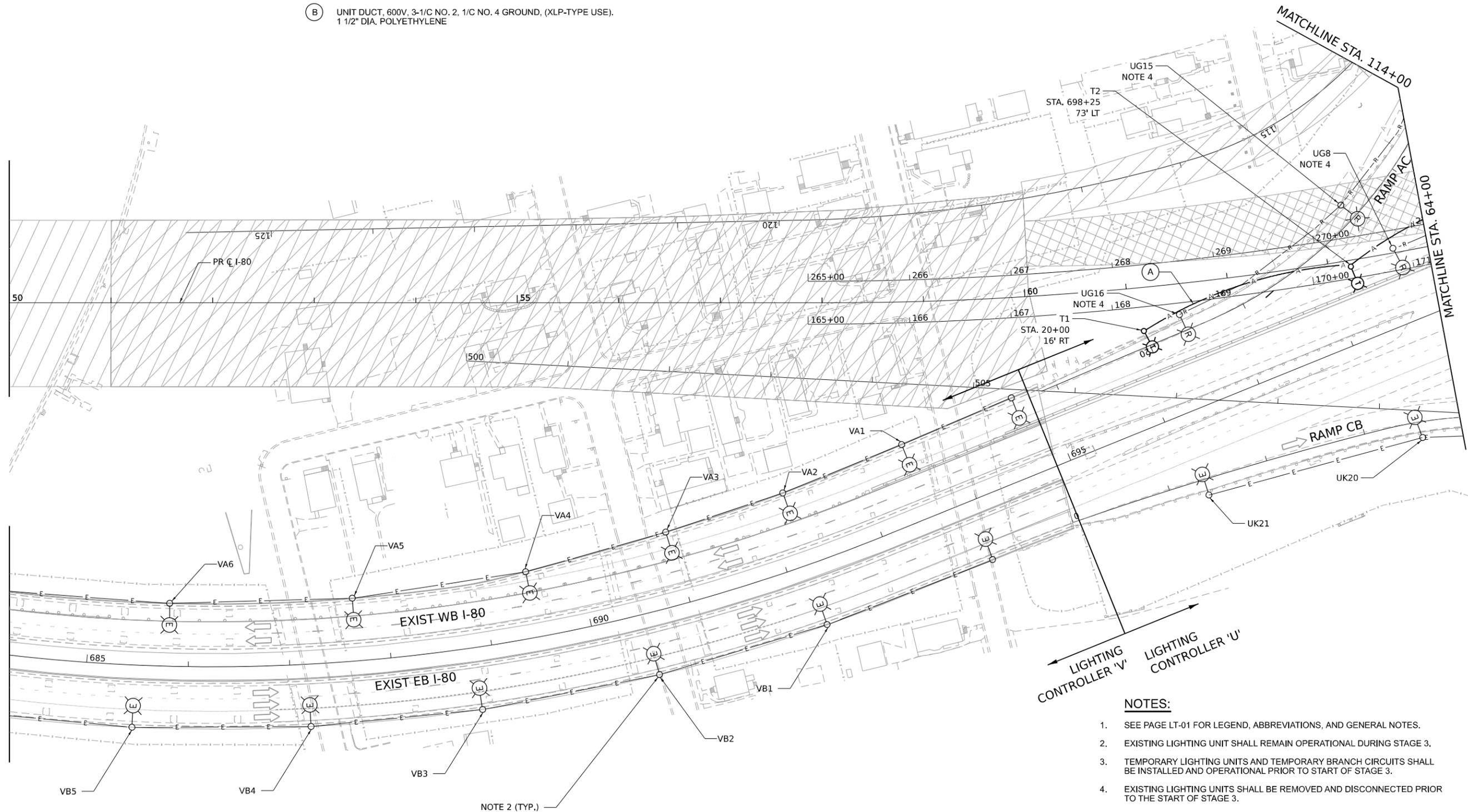
BILL OF MATERIALS			
SCALE:	SHEET	OF	SHEETS

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	



LEGEND

- (A) AERIAL CABLE, 3-1/8 NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/8 NO. 2, 1/8 NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE



NOTES:

1. SEE PAGE LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 3.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 3.
4. EXISTING LIGHTING UNITS SHALL BE REMOVED AND DISCONNECTED PRIOR TO THE START OF STAGE 3.
5. WIRE AND CONDUIT SHOWN TO BE REMOVED SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE SPECIFIED. CONTRACTOR MAY CHOOSE TO REMOVE WIRES FROM ABANDONED CONDUIT AT OWN EXPENSE.

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 PROJECT: ...
 DATE: 11/07/2025



USER NAME = vjguskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/07/2025	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

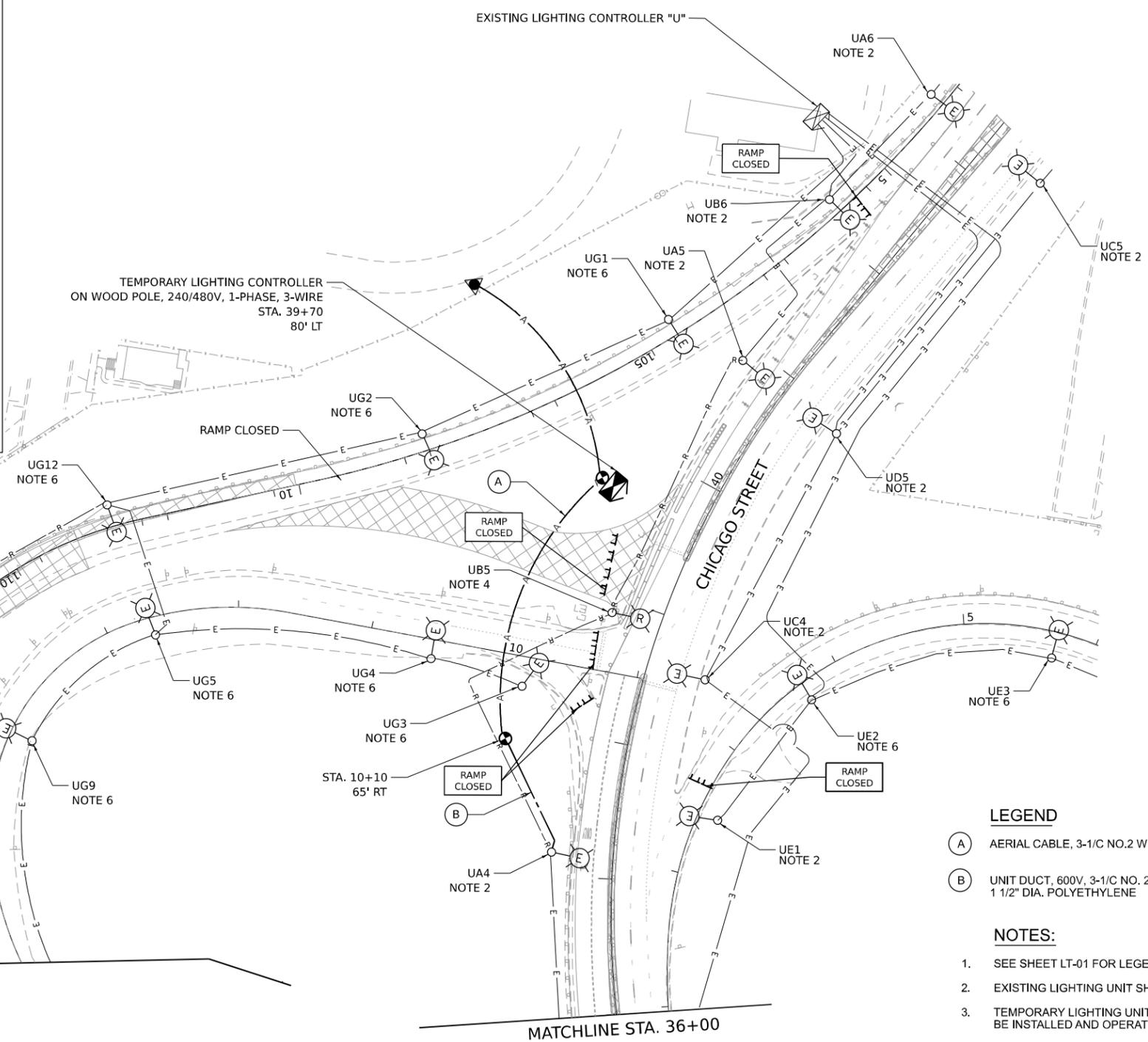
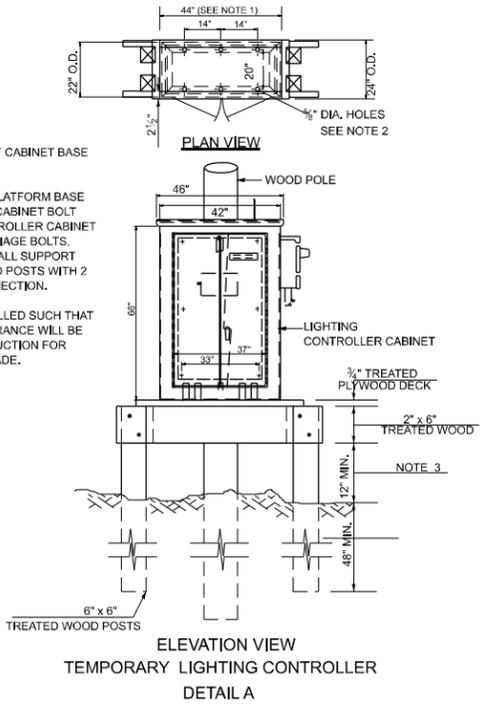
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	506
CONTRACT NO. 62R23			ILLINOIS FED. AID PROJECT	

LT-03



DETAIL NOTES

1. ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS.
2. DRILL HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.
3. CONTROLLER SHALL BE INSTALLED SUCH THAT THE MINIMUM VERTICAL CLEARANCE WILL BE MAINTAINED DURING CONSTRUCTION FOR EXISTING AND PROPOSED GRADE.



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 3.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 3.
4. EXISTING LIGHTING UNITS SHALL BE REMOVED AND DISCONNECTED PRIOR TO THE START OF STAGE 3.
5. WIRE AND CONDUIT SHOWN TO BE REMOVED SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE SPECIFIED. CONTRACTOR MAY CHOOSE TO REMOVE WIRES FROM ABANDONED CONDUIT AT OWN EXPENSE.
6. EXISTING LIGHTING UNIT SHALL BE DEENERGIZED WHILE THE RAMP IS CLOSED.

MODEL: D:\info\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 11/07/2025



USER NAME = vgruskas	DESIGNED - VG	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/07/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

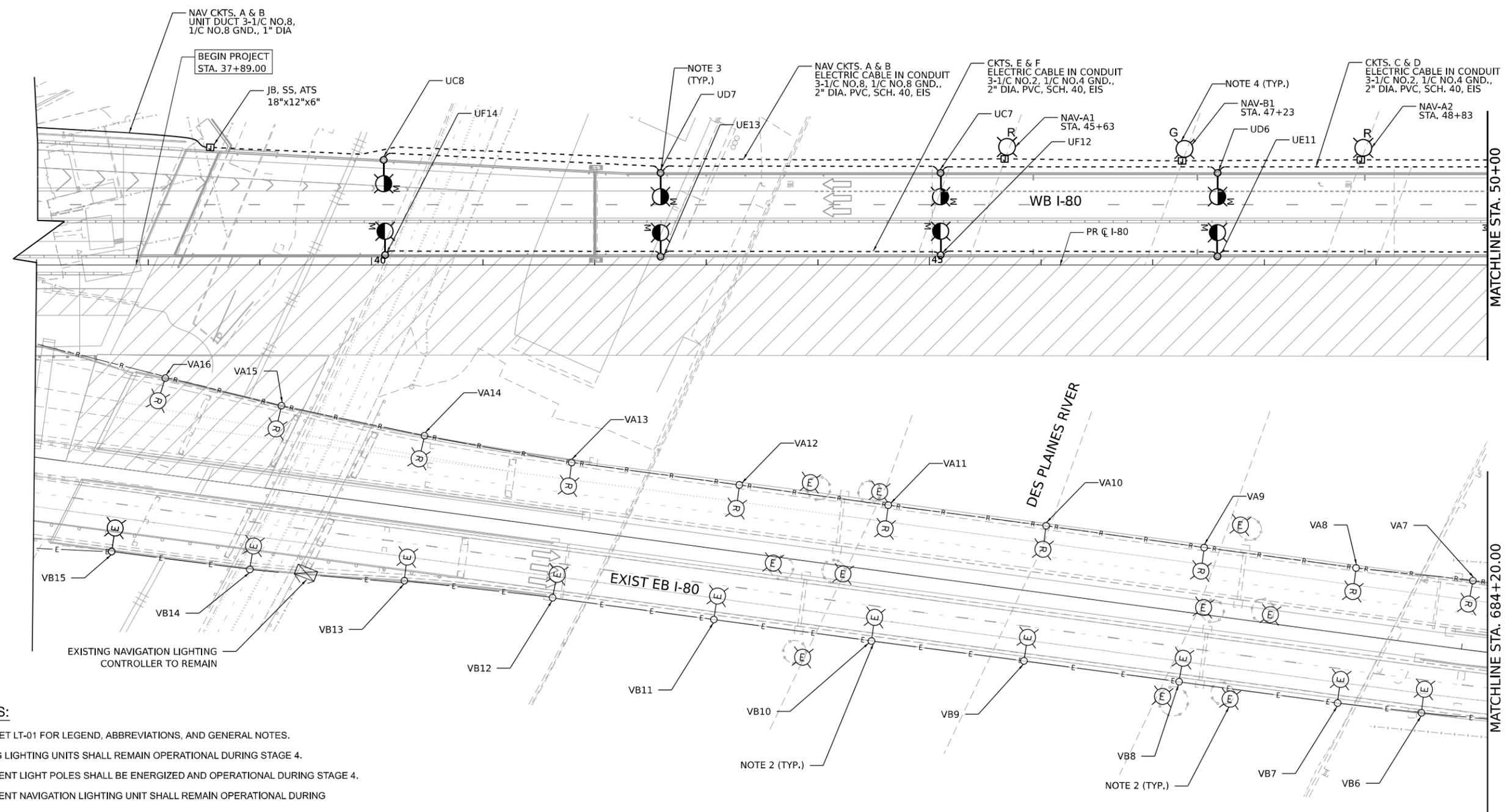
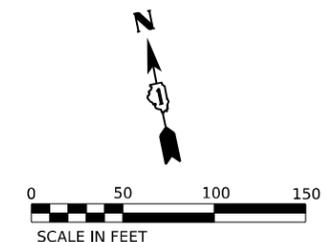
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

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

LT-05



NOTES:

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

MODEL: D:\info\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 11/07/2025



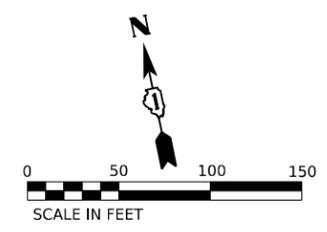
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PLOT SCALE = 100,000' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/05/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

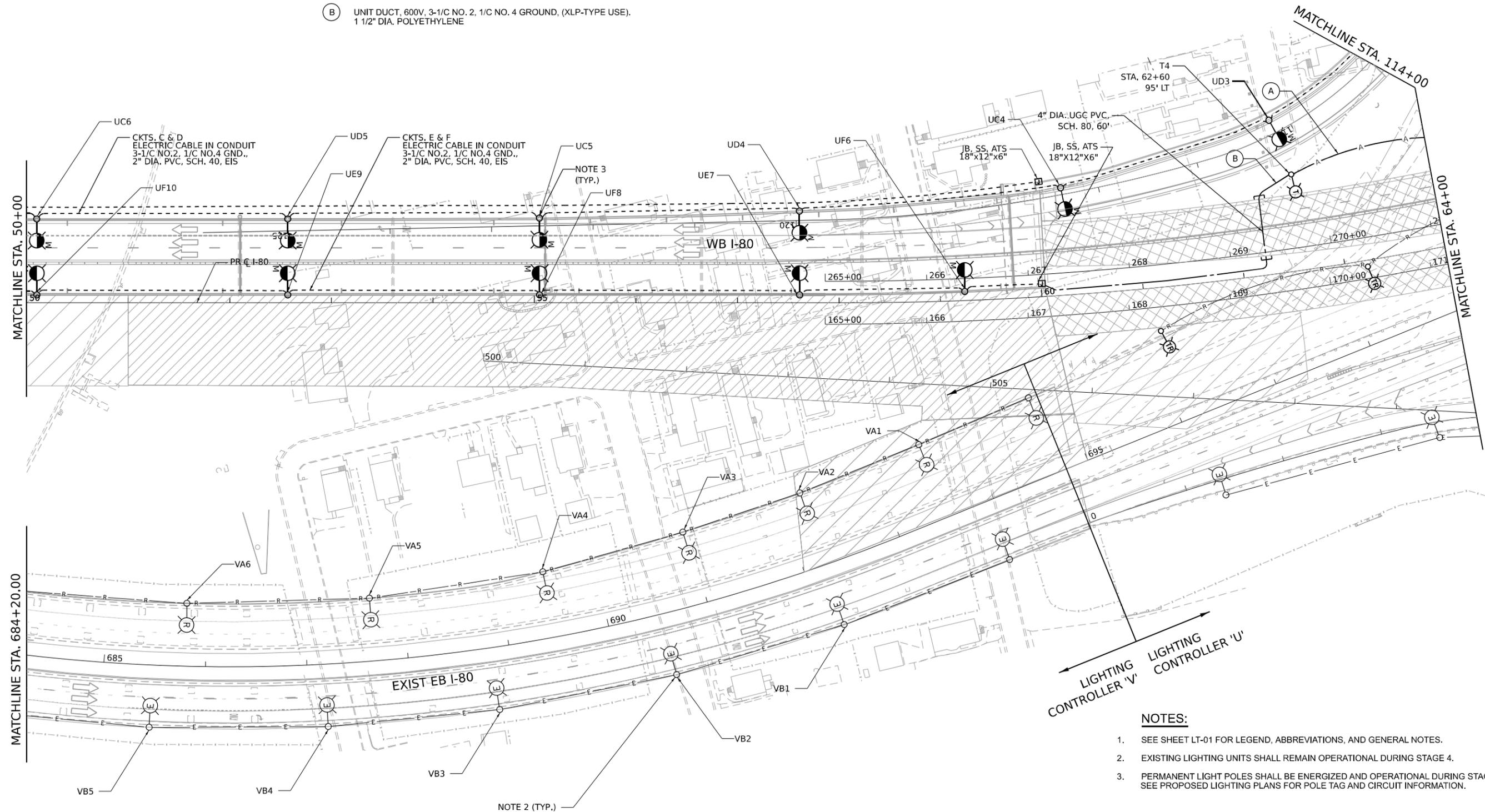
SCALE: 1:50 SHEET 1 OF 4 SHEETS STA. TO STA.

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



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE



- 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. SEE PROPOSED LIGHTING PLANS FOR POLE TAG AND CIRCUIT INFORMATION.

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 11/07/2025



USER NAME = vjguskas	DESIGNED - VG	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/07/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

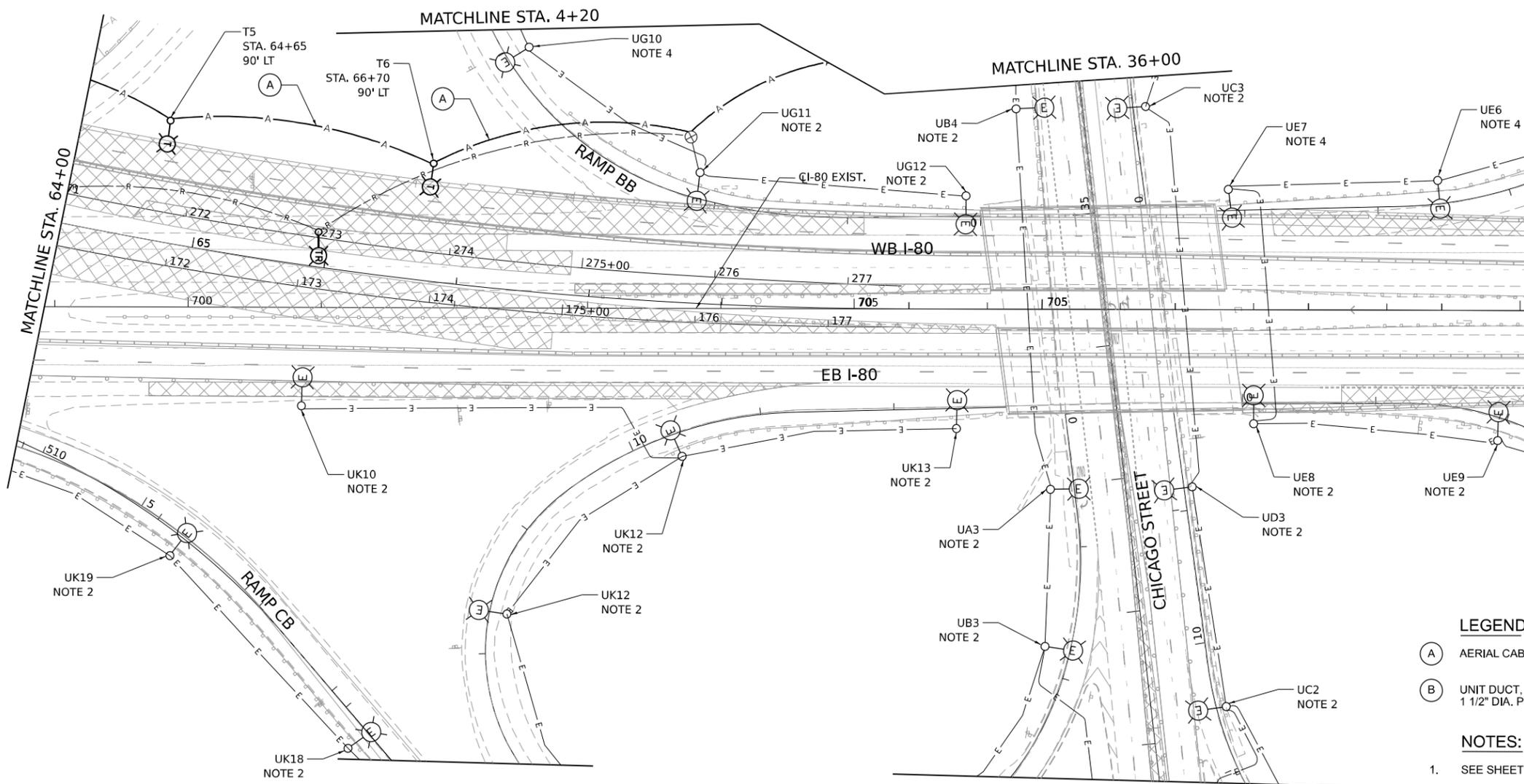
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE

NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 4.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 4.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.

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 FILE NAME: ...
 PROJECT: ...



USER NAME = vgruskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025	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 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



EXISTING LIGHTING CONTROLLER "U"
TO REMAIN INSTALLED AND FULLY
OPERATIONAL DURING CONSTRUCTION

UA6
NOTE 2

UB6
NOTE 2

UC5
NOTE 2

TEMPORARY LIGHTING CONTROLLER
ON WOOD POLE, 240/480V, 1-PHASE, 3-WIRE
STA. 39+70, 80' LT
INSTALLED IN STAGE 3

T10
STA. 106+20
60' LT

T9
STA. 108+35
20' RT

UG2
NOTE 4

UG12
NOTE 4

T8
STA. 110+60
20' RT

(TYP.) (A)

T7
STA. 112+75
20' RT

JB, SS, ATS
18"X12"X6"

STA. 113+90
30' RT

MATCHLINE STA. 114+00

UG9
NOTE 4

STA. 361+10
65' LT

(TYP.) (A)

MATCHLINE STA. 4+20

MATCHLINE STA. 36+00

CHICAGO STREET

LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 4.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 4.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.

MODEL: D:\data\... FILE NAME: ... PROJECT: ...



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DRAWN - VN/MAG	REVISED -	
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PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

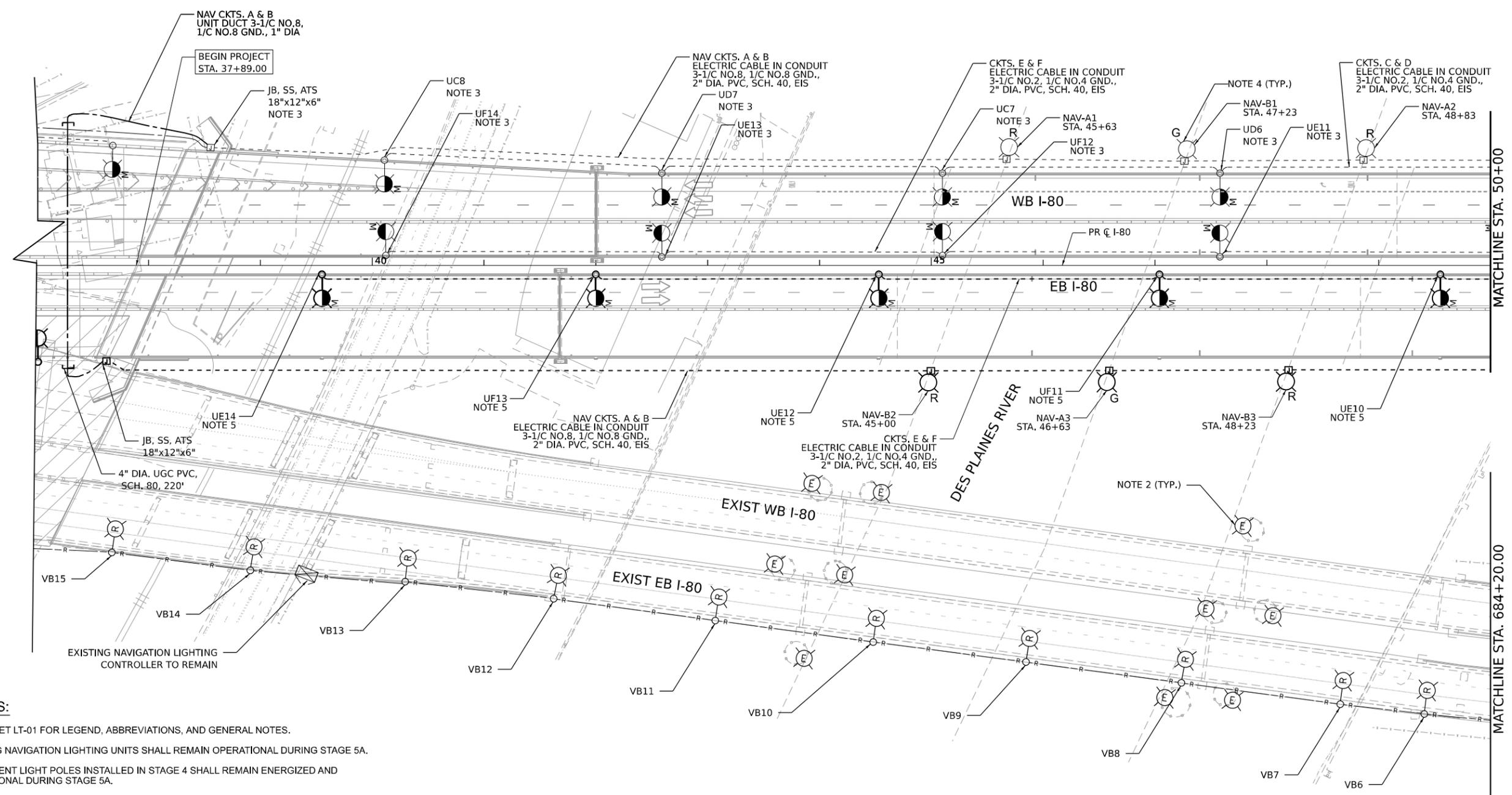
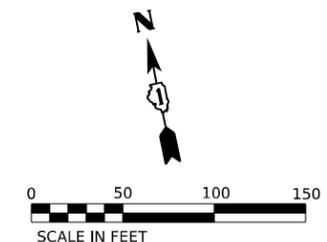
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1:50 SHEET 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
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R23	

LT-09



NOTES:

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

MODEL: D:\data\...
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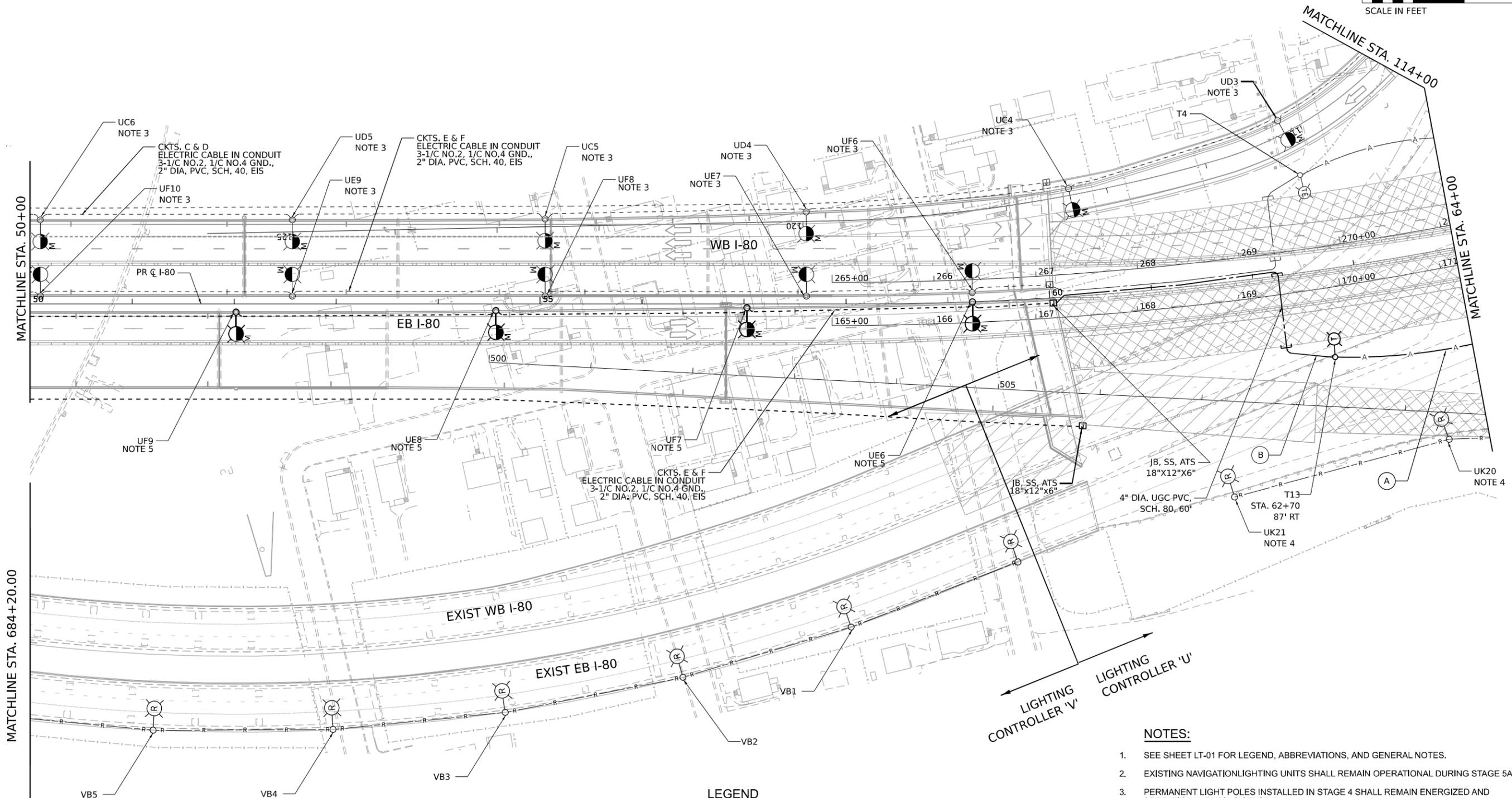
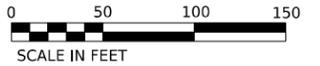


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PLOT SCALE = 100,000' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/5/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5A 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	



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING NAVIGATION LIGHTING UNITS SHALL REMAIN OPERATIONAL DURING STAGE 5A.
3. PERMANENT LIGHT POLES INSTALLED IN STAGE 4 SHALL REMAIN ENERGIZED AND OPERATIONAL DURING STAGE 5A.
4. EXISTING LIGHTING UNIT SHALL BE REMOVED AND DISCONNECTED PRIOR TO THE START OF STAGE 5A.
5. PERMANENT LIGHT POLES SHALL BE INSTALLED, ENERGIZED AND OPERATIONAL DURING STAGE 5A.

LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE

MODEL: D:\info\... FILE NAME: ...



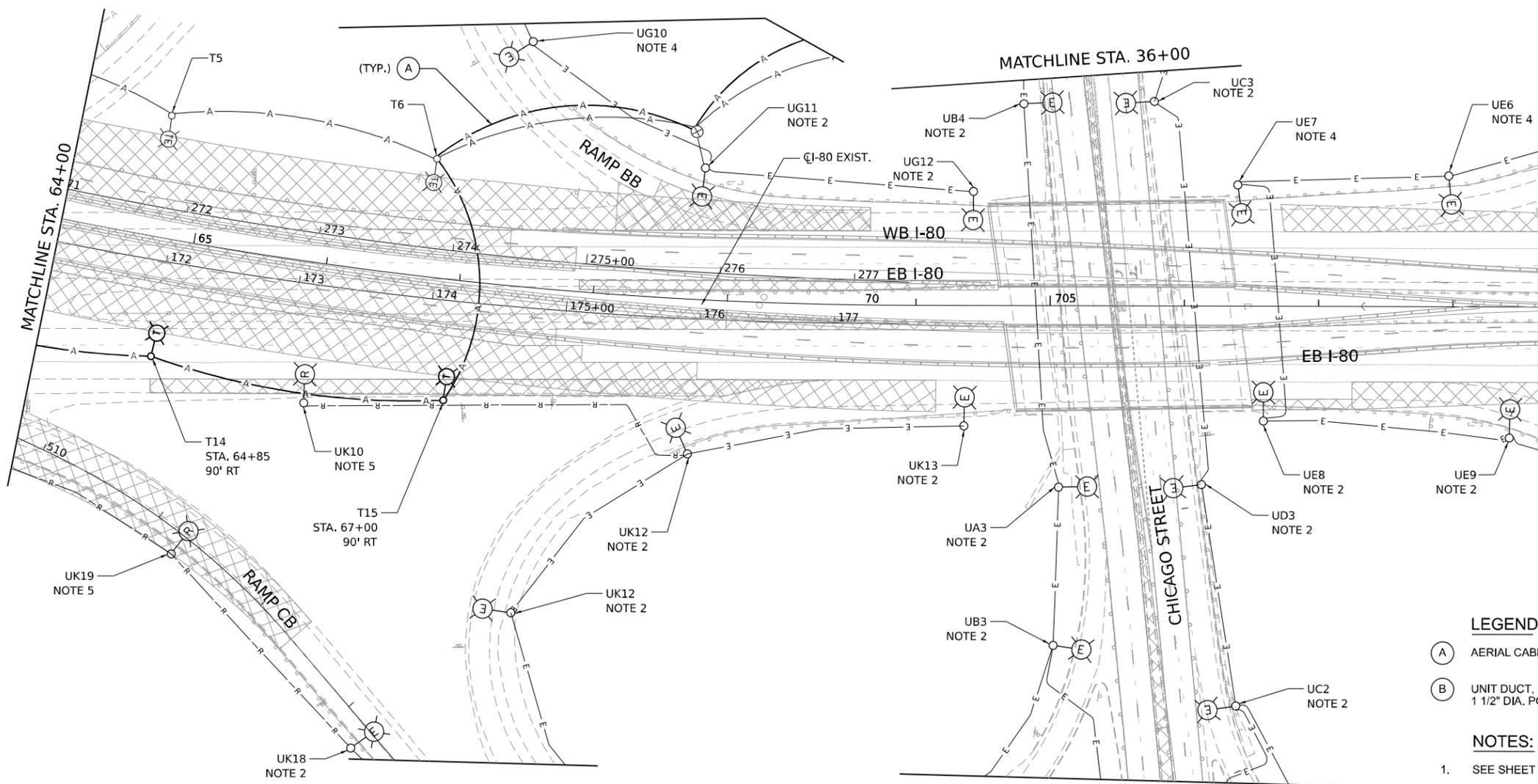
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PLOT SCALE = 100,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/07/2025	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY AND REMOVAL LIGHTING PLANS - STAGE 5A
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	514
ILLINOIS			CONTRACT NO. 62R23	
FED. AID PROJECT				



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 5A.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 5A.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
5. EXISTING LIGHTING UNIT SHALL BE REMOVED AND DISCONNECTED PRIOR TO THE START OF STAGE 5A.

MODEL: D:\data\... FILE NAME: ...



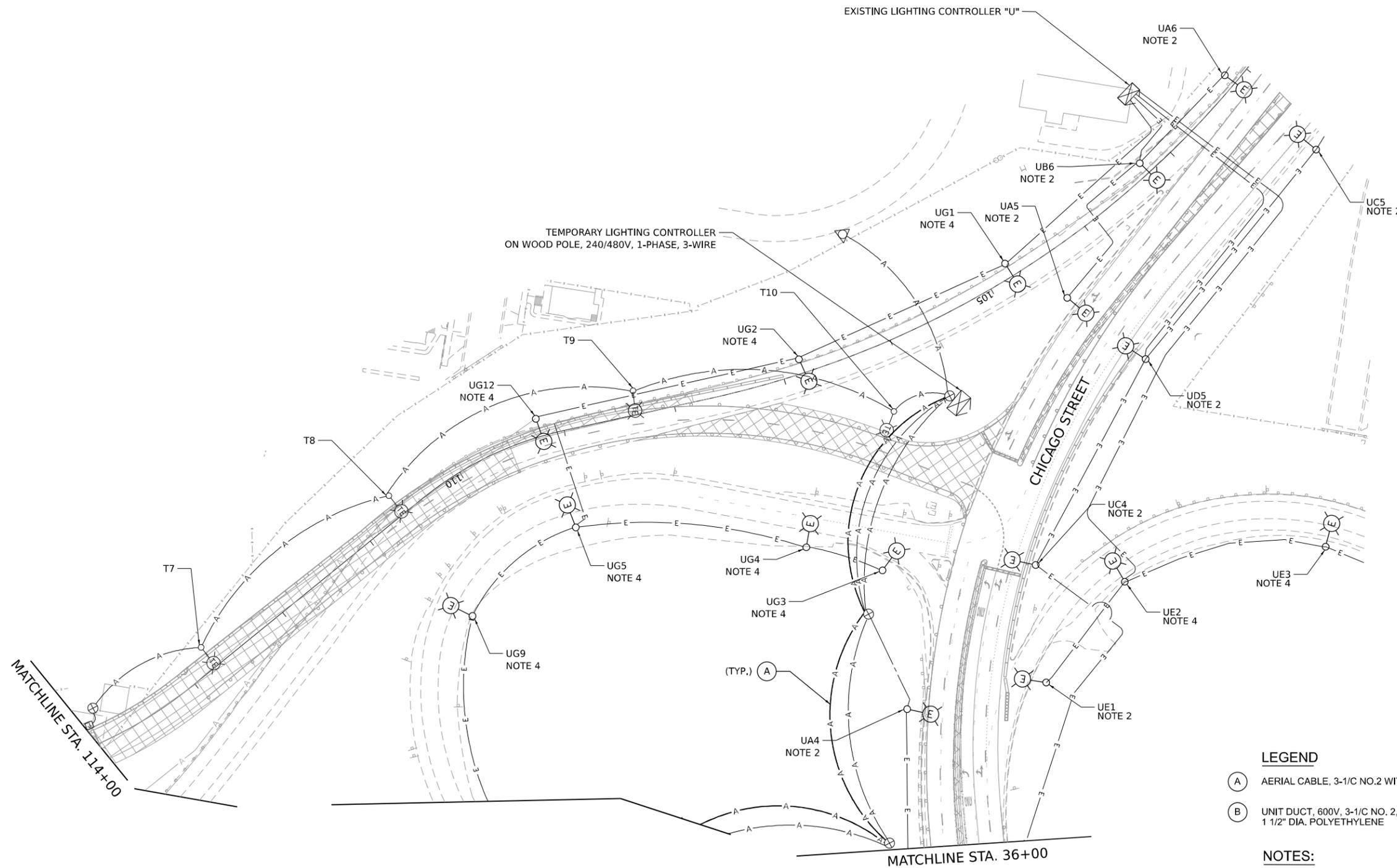
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PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

**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
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R23	



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 5A.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 5A.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 11/07/2025



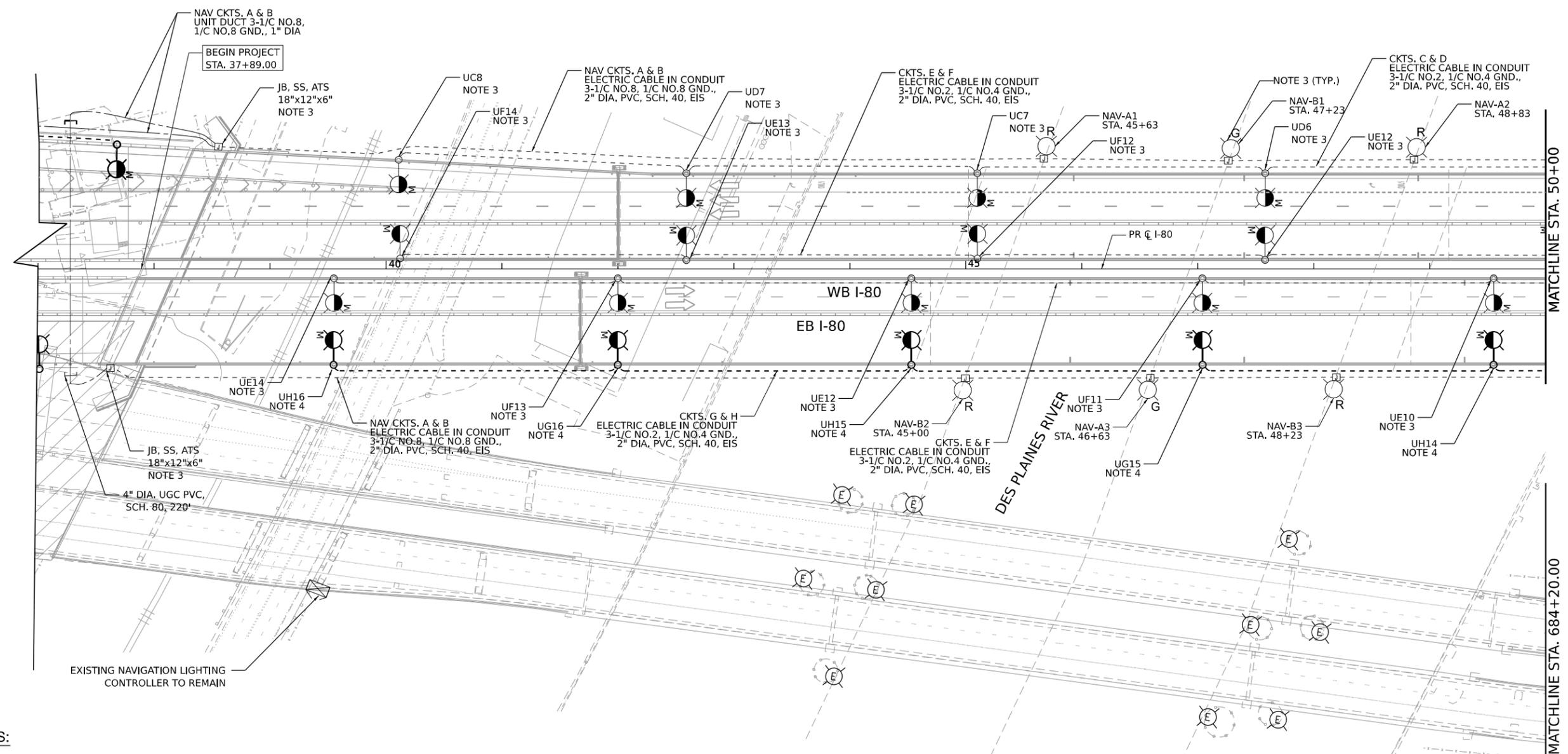
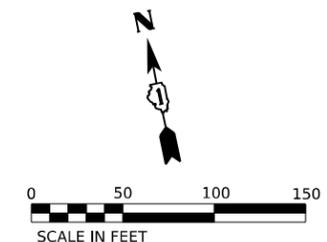
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DRAWN - VN/MAG	REVISED -	
PLOT SCALE = 100,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/07/2025	DATE - 11/07/2025	REVISED -

**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 5B.
3. PERMANENT LIGHT POLES INSTALLED IN STAGES 4&5A SHALL REMAIN ENERGIZED AND OPERATIONAL DURING STAGE 5B.
4. PERMANENT LIGHT POLES SHALL BE INSTALLED, ENERGIZED AND OPERATIONAL DURING STAGE 5B.

MODEL: D:\info\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 11/07/2025



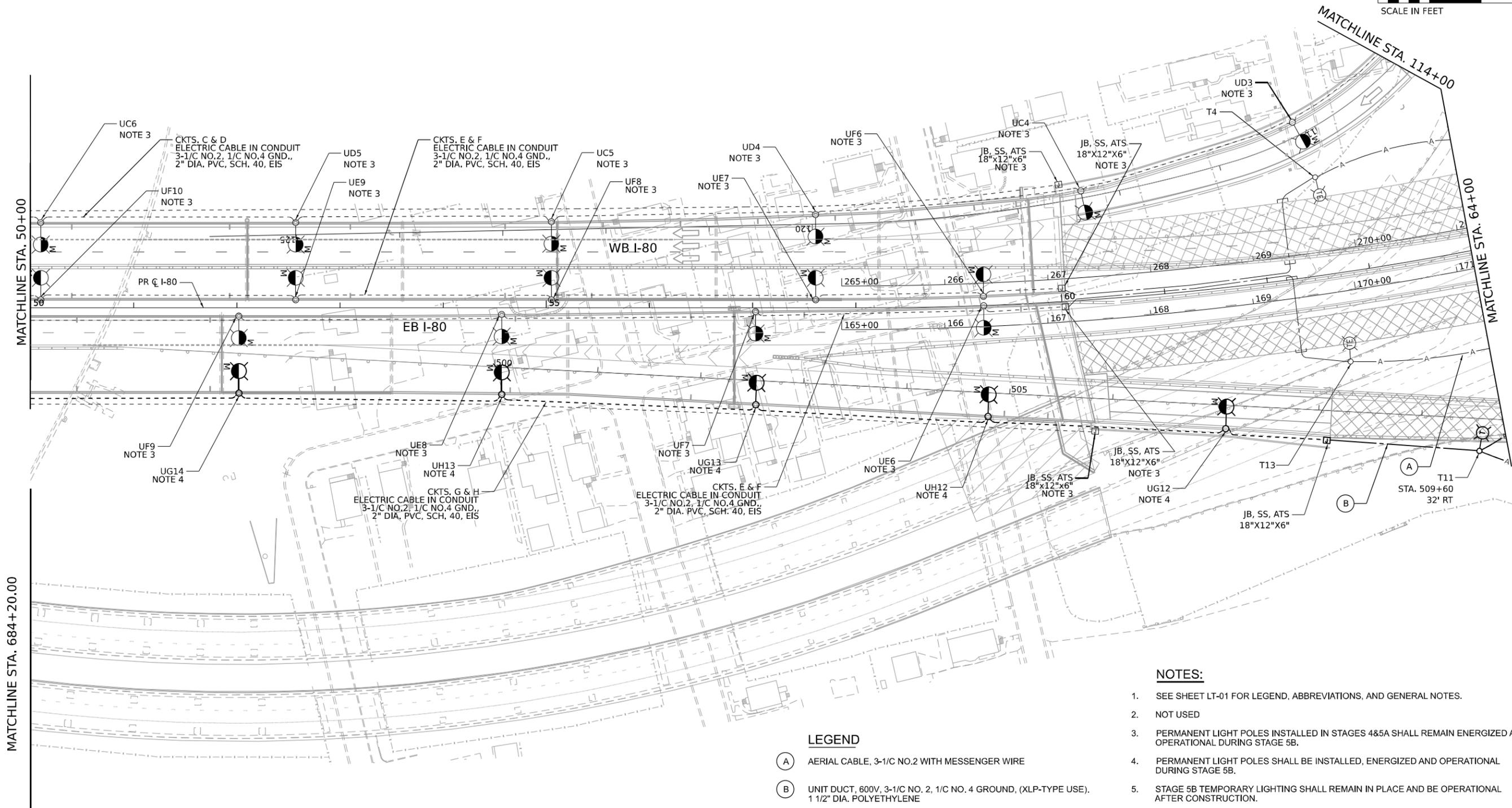
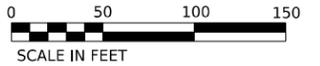
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PLOT DATE = 11/05/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5B
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
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R23	



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. NOT USED
3. PERMANENT LIGHT POLES INSTALLED IN STAGES 4&5A SHALL REMAIN ENERGIZED AND OPERATIONAL DURING STAGE 5B.
4. PERMANENT LIGHT POLES SHALL BE INSTALLED, ENERGIZED AND OPERATIONAL DURING STAGE 5B.
5. STAGE 5B TEMPORARY LIGHTING SHALL REMAIN IN PLACE AND BE OPERATIONAL AFTER CONSTRUCTION.

LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

MODEL: D:\info\... FILE NAME: ...



USER NAME = vjguskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

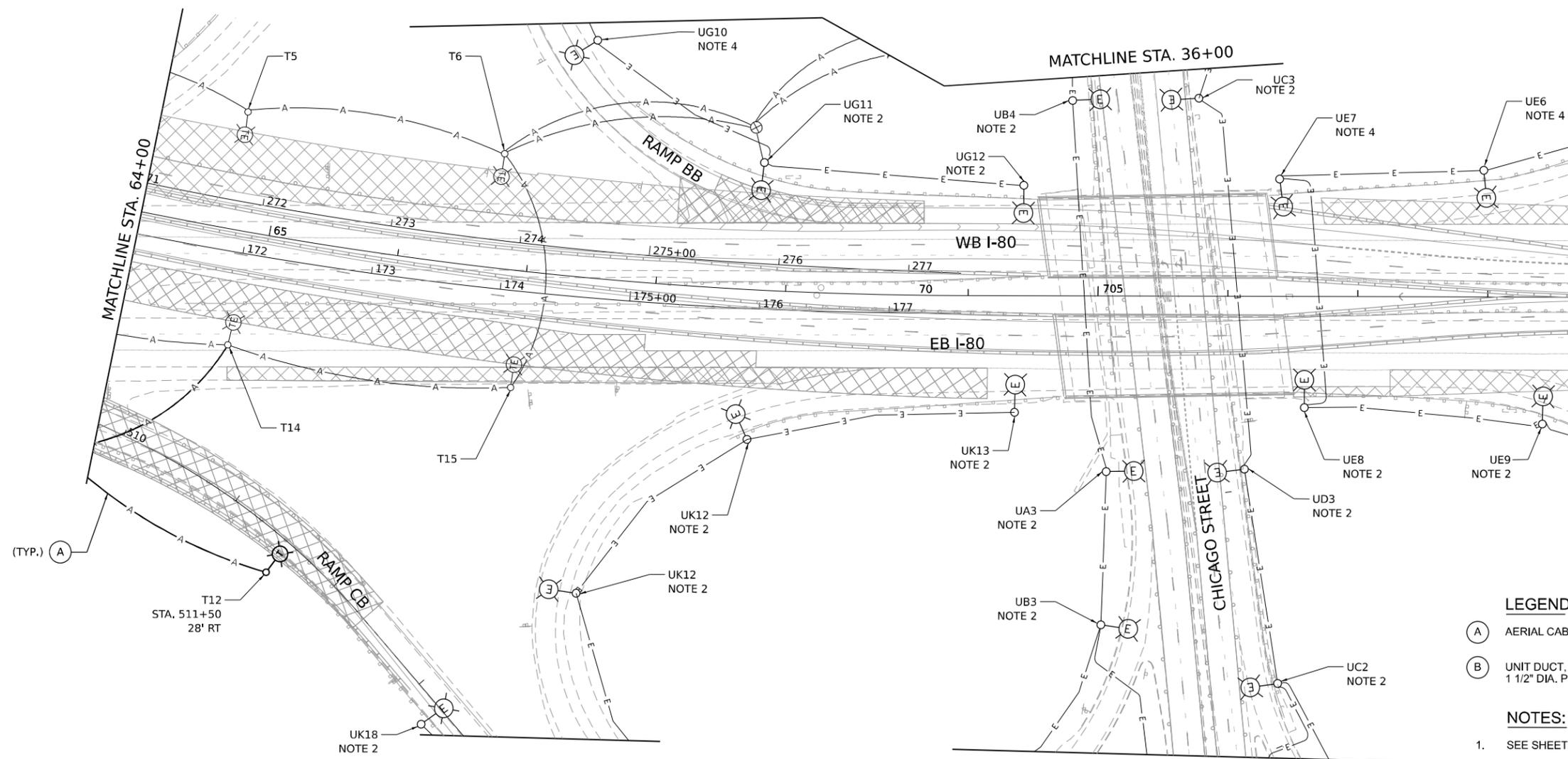
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

LT-15

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	518
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 5B.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 5B.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
5. STAGE 5B TEMPORARY LIGHTING SHALL REMAIN IN PLACE AND BE OPERATIONAL AFTER CONSTRUCTION.

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 11/07/2025



USER NAME = vgruskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - MG	REVISED -
PLOT SCALE = 100,000' / in.	DATE - 11/07/2025	REVISED -
PLOT DATE = 11/05/2025		

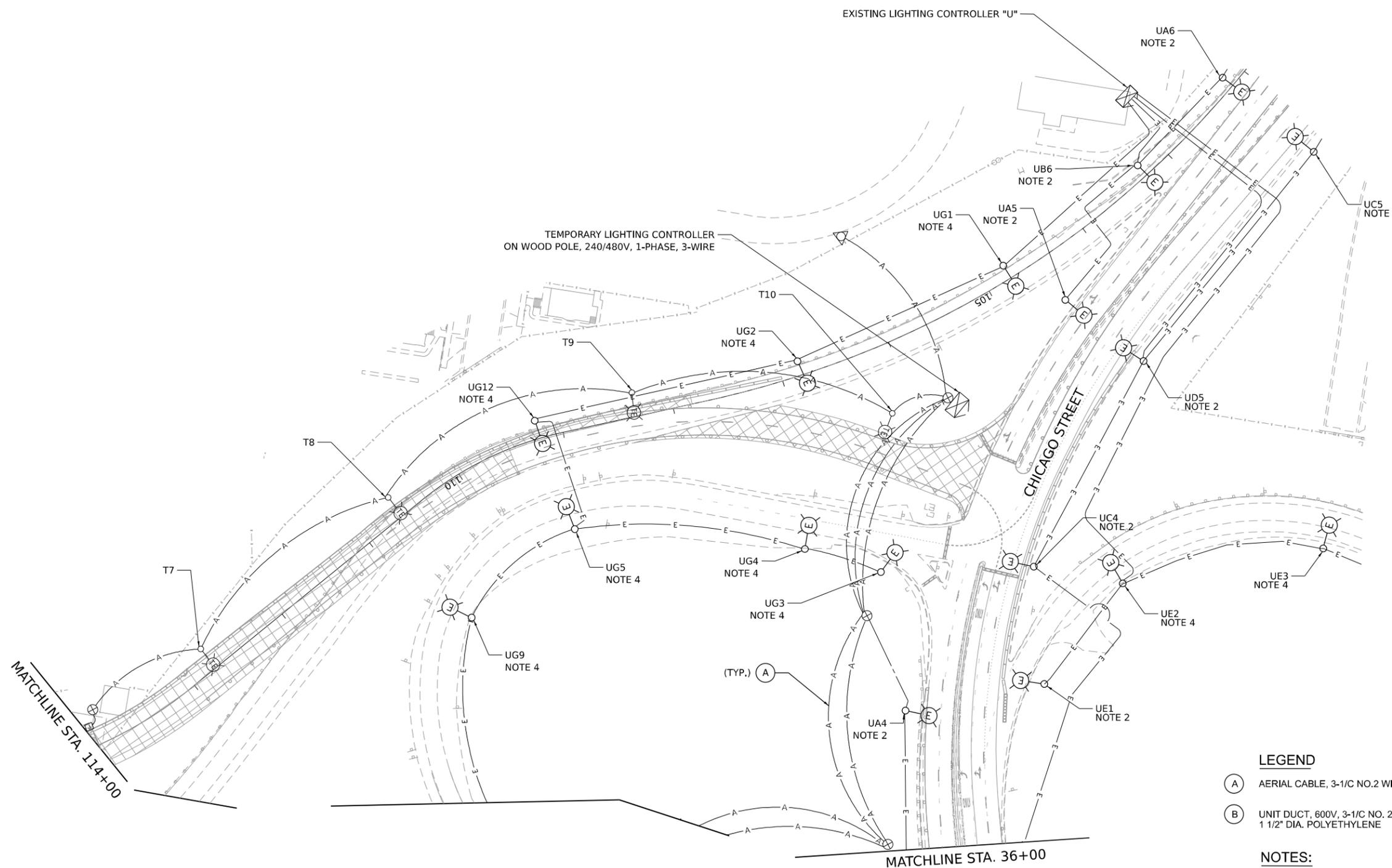
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 5B.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 5B.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
5. STAGE 5B TEMPORARY LIGHTING SHALL REMAIN IN PLACE AND BE OPERATIONAL AFTER CONSTRUCTION.

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PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

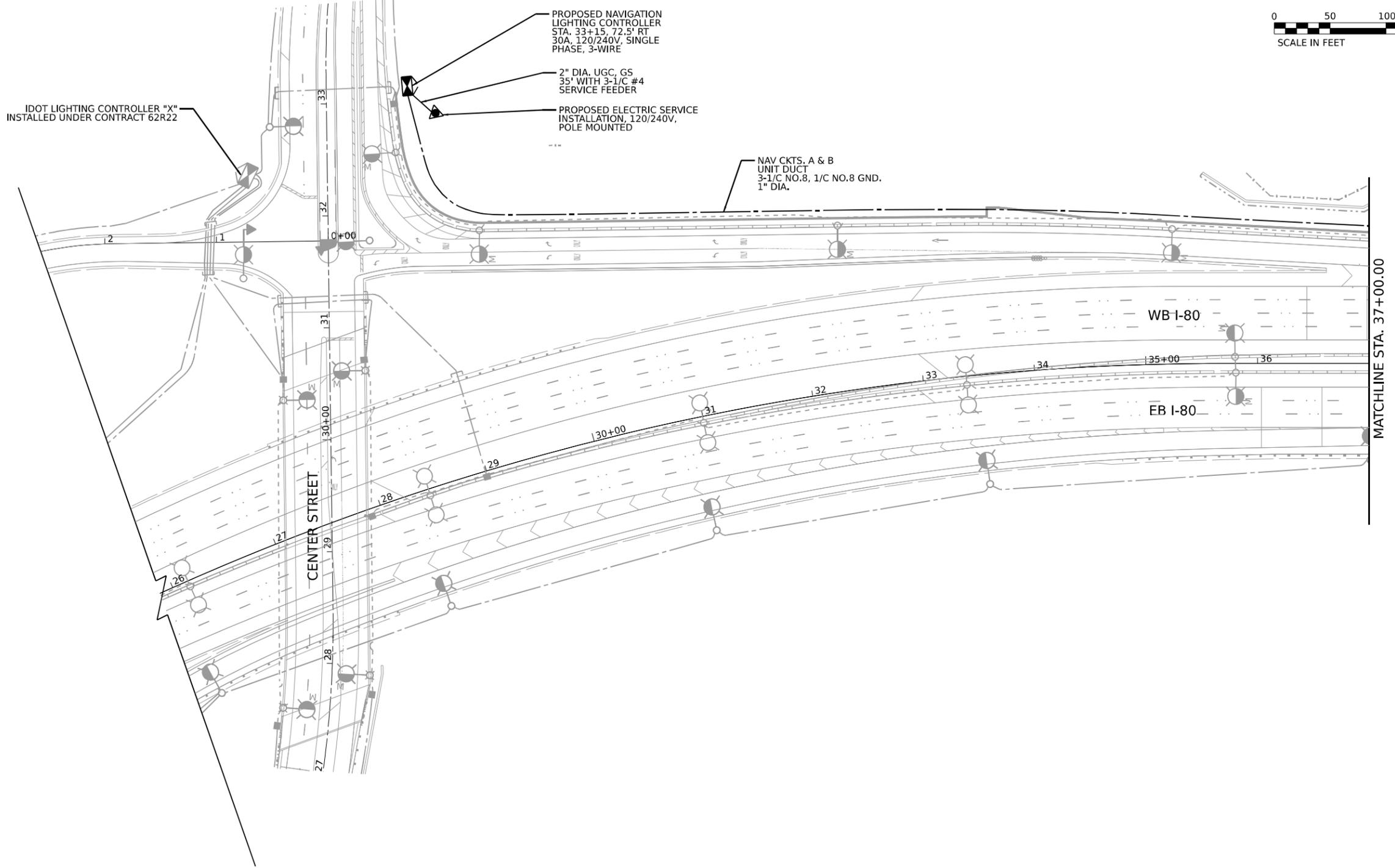
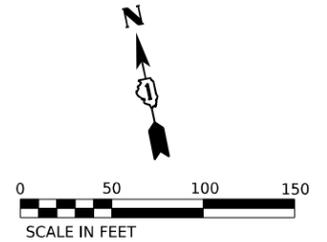
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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



NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

LT-18

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...



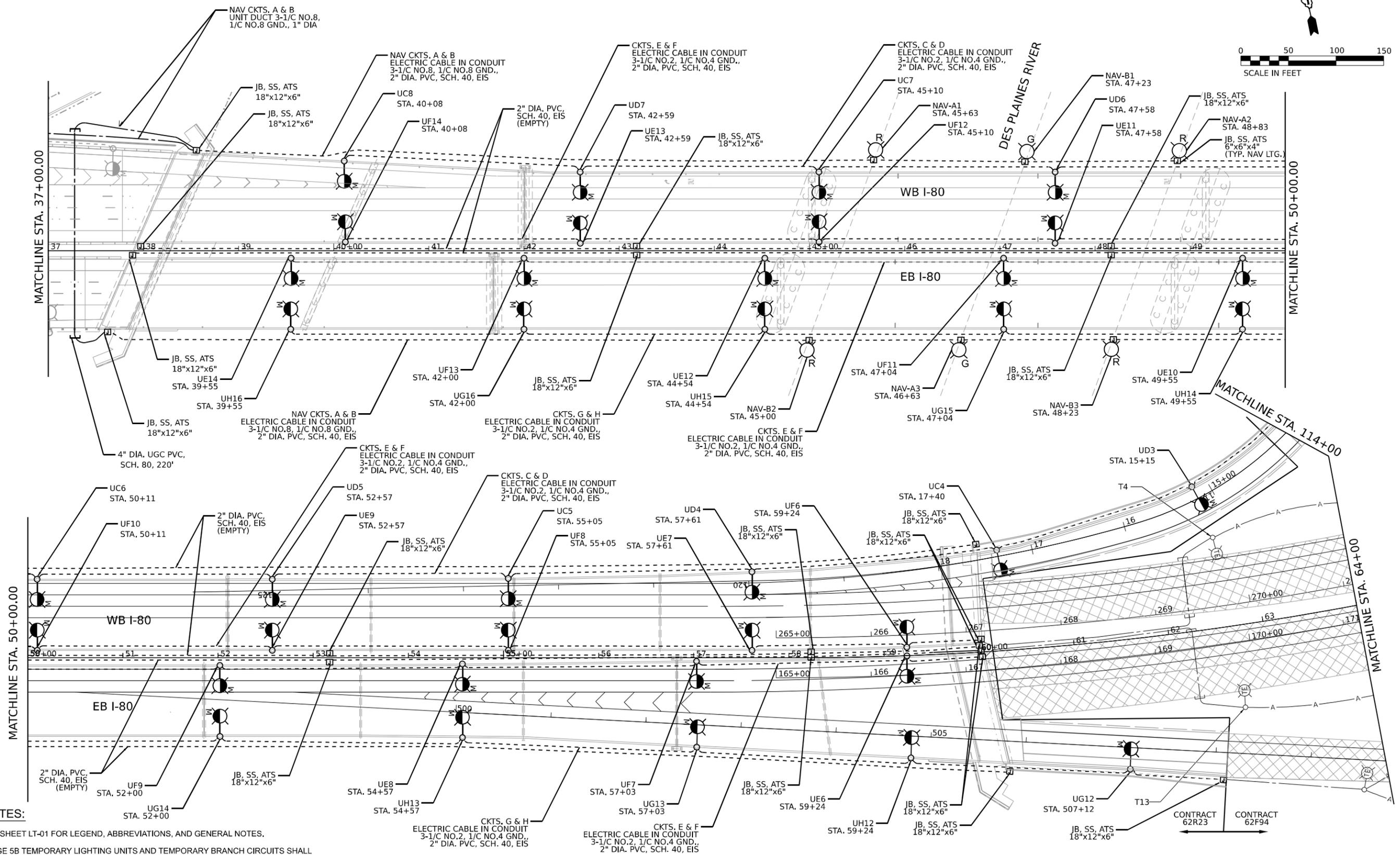
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PLOT SCALE = 100,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-80 OVER DES PLAINES RIVER BRIDGE

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	521
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- STAGE 5B TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL REMAIN OPERATIONAL AFTER CONSTRUCTION.

MODEL: D:\data\...
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 PROJECT: ...
 DATE: 11/07/2025

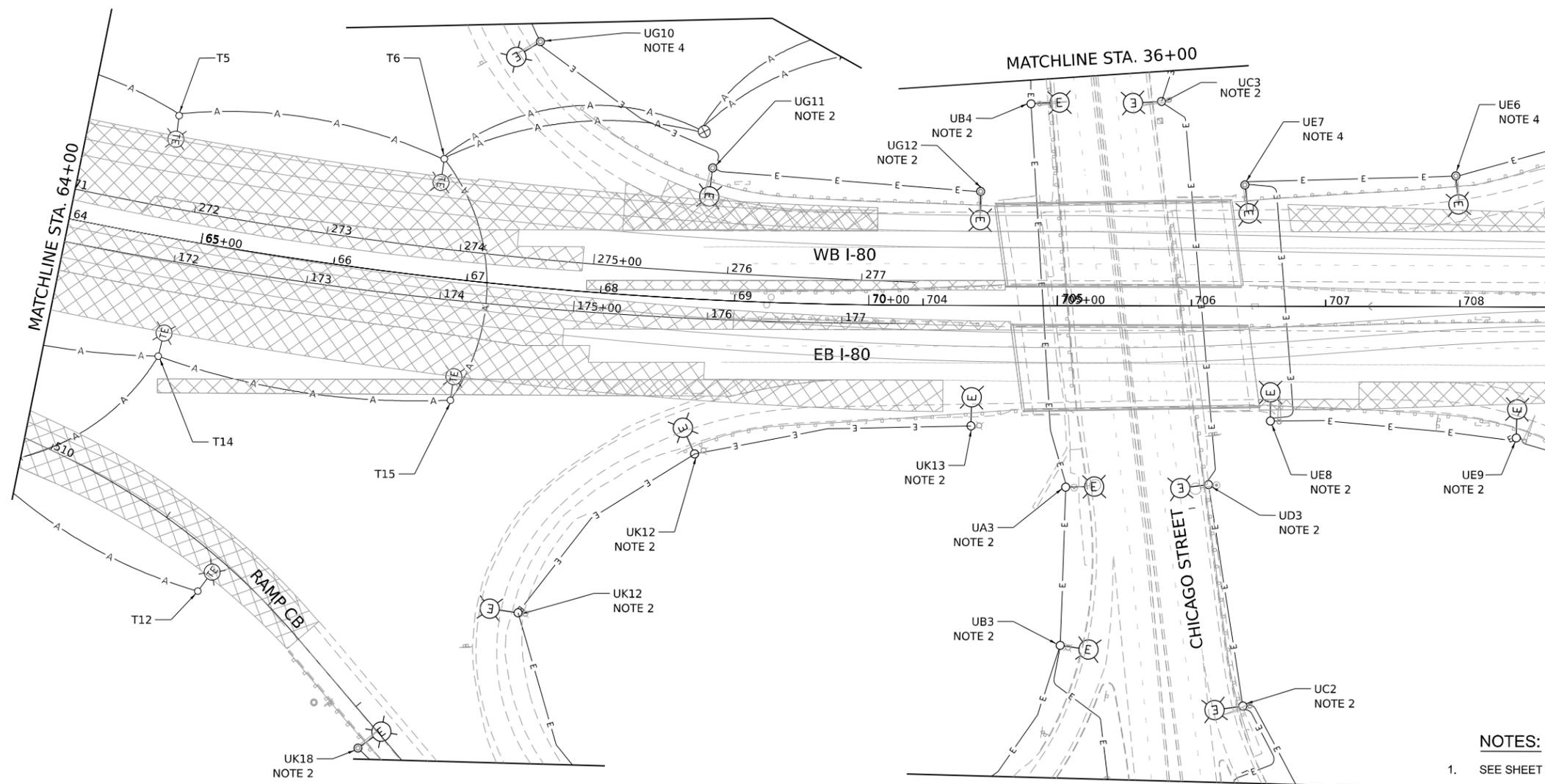


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PLOT DATE = 11/05/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED LIGHTING PLAN I-80 OVER DES PLAINES RIVER BRIDGE	
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	522
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL.
3. STAGE 5B TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL REMAIN OPERATIONAL AFTER CONSTRUCTION.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
5. EXISTING LIGHTING UNIT SHALL BE ENERGIZED WHILE THE RAMP IS REOPENED.

MODEL: D:\data\... PROJECT: I-80 OVER DES PLAINES RIVER... CONTRACT NO. 62R23



USER NAME = vjguskas	DESIGNED - VG	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/5/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

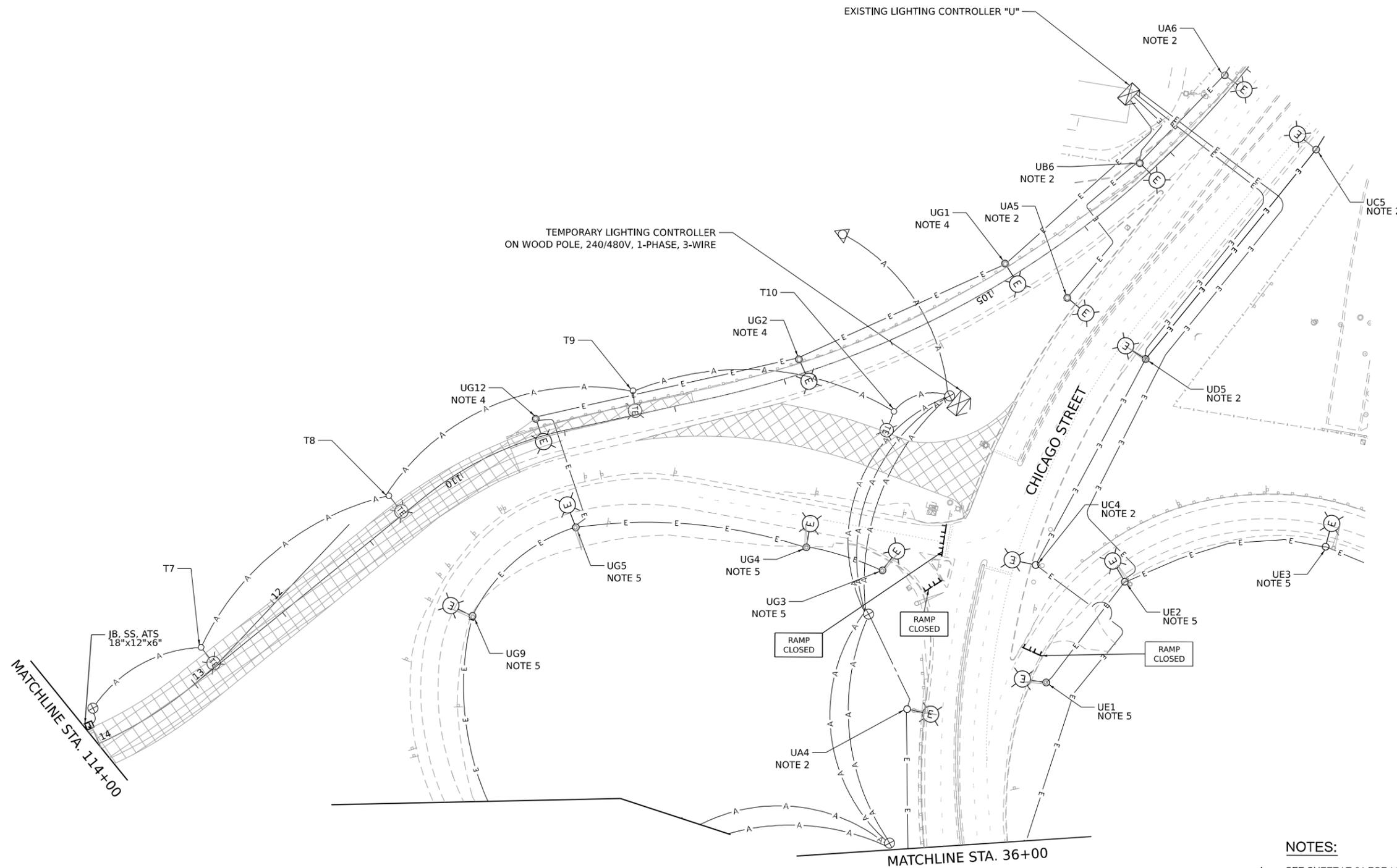
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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				

LT-20



NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL.
3. STAGE 5B TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL REMAIN OPERATIONAL AFTER CONSTRUCTION.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
5. EXISTING LIGHTING UNIT SHALL BE ENERGIZED WHILE THE RAMP IS REOPENED.

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...



USER NAME = vjguskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

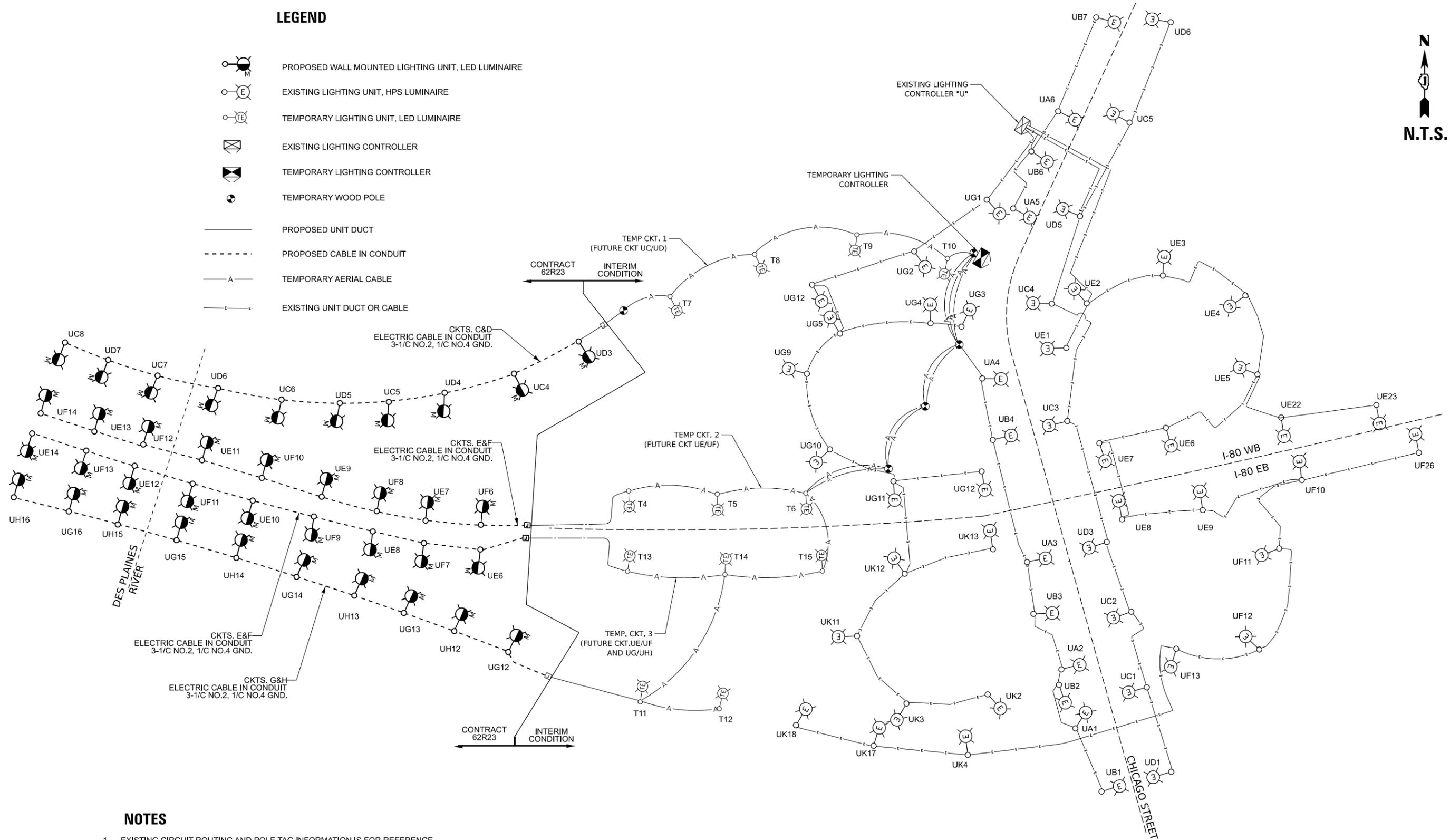
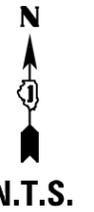
**PROPOSED LIGHTING PLAN
I-80 OVER DES PLAINES RIVER**

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				

LEGEND

-  PROPOSED WALL MOUNTED LIGHTING UNIT, LED LUMINAIRE
-  EXISTING LIGHTING UNIT, HPS LUMINAIRE
-  TEMPORARY LIGHTING UNIT, LED LUMINAIRE
-  EXISTING LIGHTING CONTROLLER
-  TEMPORARY LIGHTING CONTROLLER
-  TEMPORARY WOOD POLE
-  PROPOSED UNIT DUCT
-  PROPOSED CABLE IN CONDUIT
-  TEMPORARY AERIAL CABLE
-  EXISTING UNIT DUCT OR CABLE



NOTES

1. EXISTING CIRCUIT ROUTING AND POLE TAG INFORMATION IS FOR REFERENCE ONLY AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
2. PROPOSED POLES ARE LABELED FOR FUTURE FINAL CONDITION. SEE SHEET LT-23 FOR MORE INFORMATION.

MODEL: D:\info\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 11/07/2025



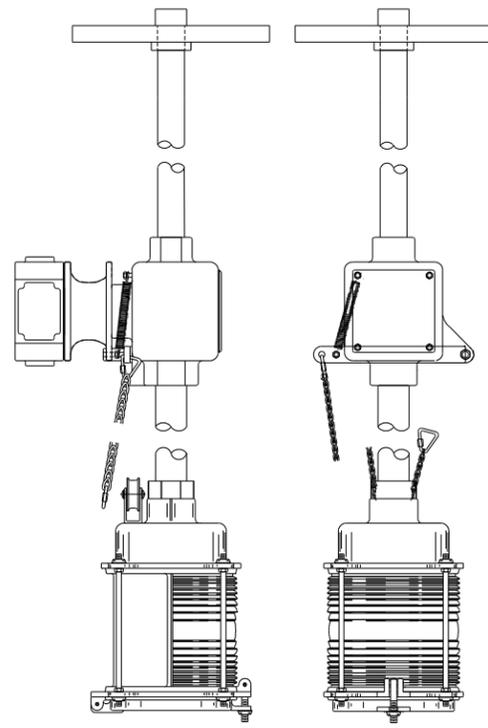
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DRAWN - VN/MAG	REVISIONS -	
PLOT SCALE = 0.167" / 1 in.	CHECKED - MG	REVISED -
PLOT DATE = 11/05/2025	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY IDOT CONTROLLER WIRING SCHEMATIC (INTERIM)

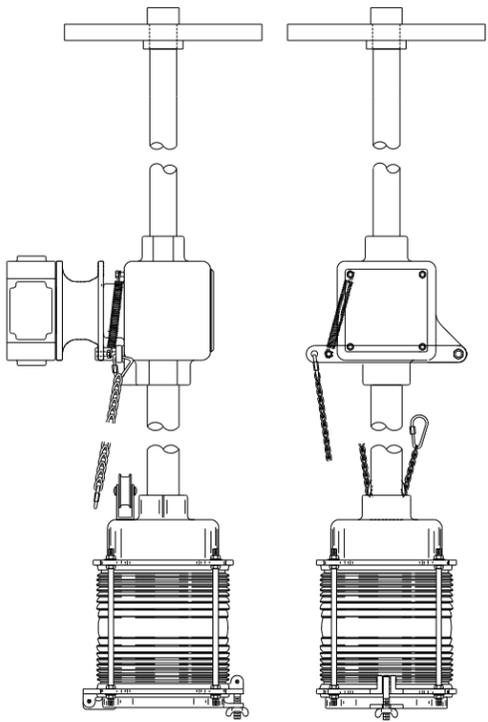
SCALE: SHEET OF SHEETS STA. TO STA.

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				



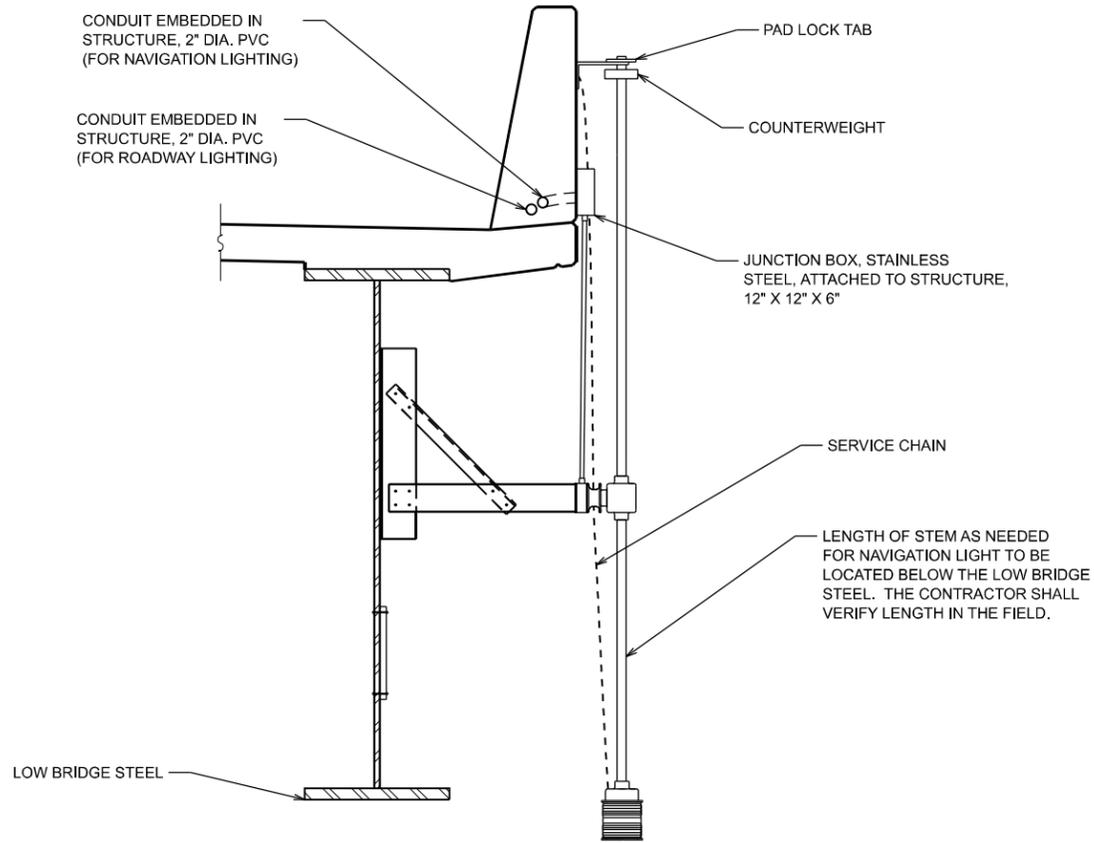
RED CHANNEL MARGIN NAVIGATION LIGHT

NOT TO SCALE



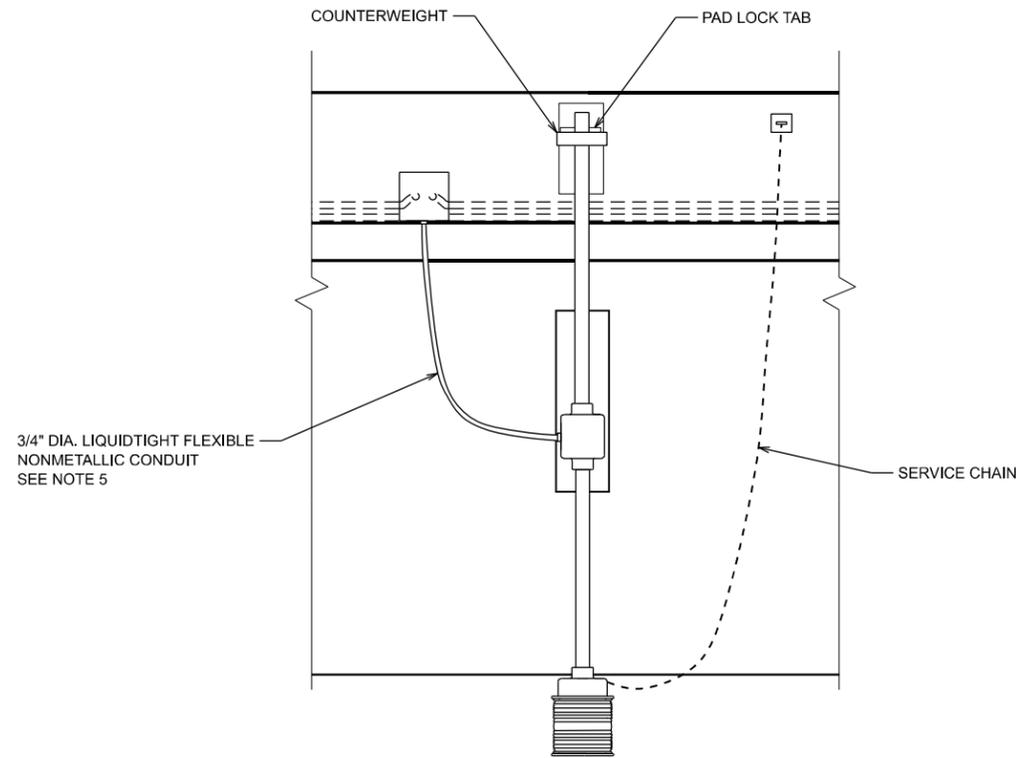
GREEN CHANNEL ENTER NAVIGATION LIGHT

NOT TO SCALE



NAVIGATION LIGHT SECTION

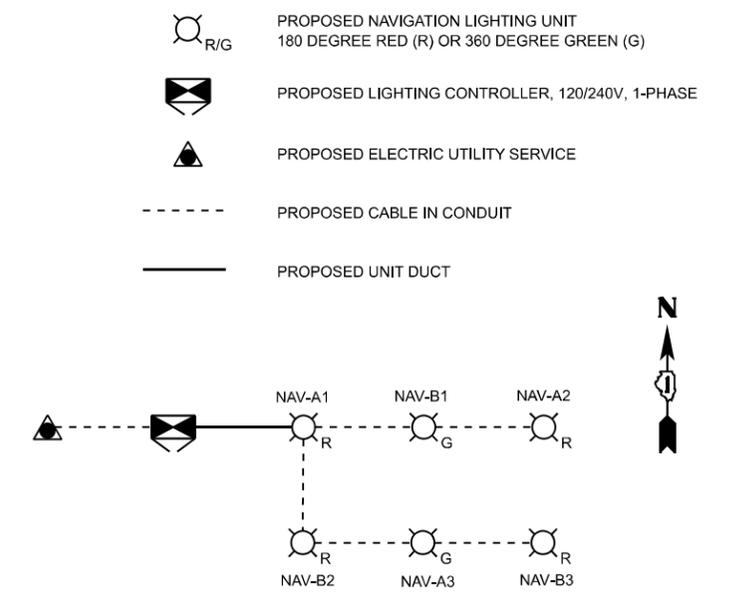
NOT TO SCALE



NAVIGATION LIGHT ELEVATION

NOT TO SCALE

LEGEND



PROPOSED NAVIGATION LIGHTING CONTROLLER

WIRING SCHEMATIC

NOT TO SCALE

NOTES

1. ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY DIMENSIONS IN THE FIELD PRIOR TO SUBMITTING SHOP DRAWINGS.
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL OF THE NAVIGATION LIGHT ASSEMBLY.
3. FOR DIMENSIONS OF OTHER STRUCTURAL MEMBERS, REFER TO THE STRUCTURAL PLANS.
4. TOP OF NAVIGATION LIGHT HOUSING SHALL BE AT THE SAME ELEVATION AS THE BOTTOM THE ADJACENT GIRDER.
5. LIQUID-TIGHT CONDUIT AND CABLES FROM JUNCTION BOX TO NAVIGATION LIGHT SHALL BE INCLUDED IN THE COST OF THE NAVIGATION LIGHTING UNIT.

MODEL: D:\data\... FILE NAME: ... PROJECT: ...



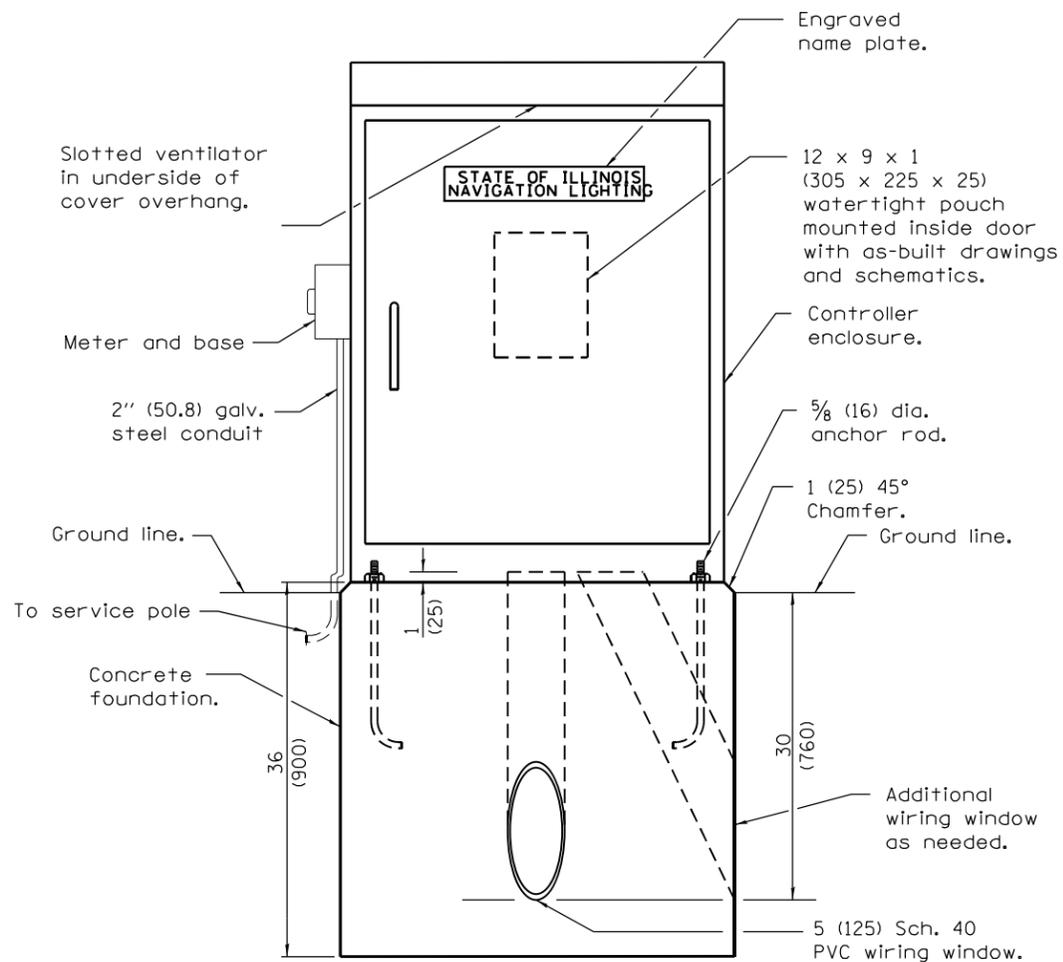
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PLOT DATE = 11/05/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

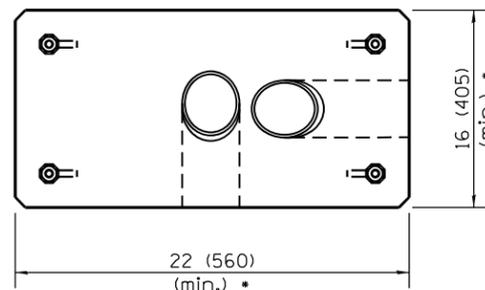
NAVIGATION LIGHTING DETAILS

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	527
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

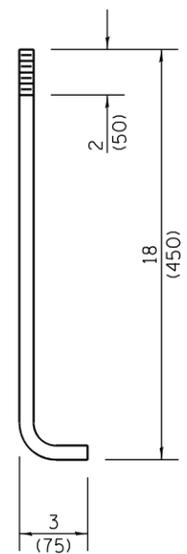


LIGHTING CONTROLLER



FOUNDATION (PLAN)

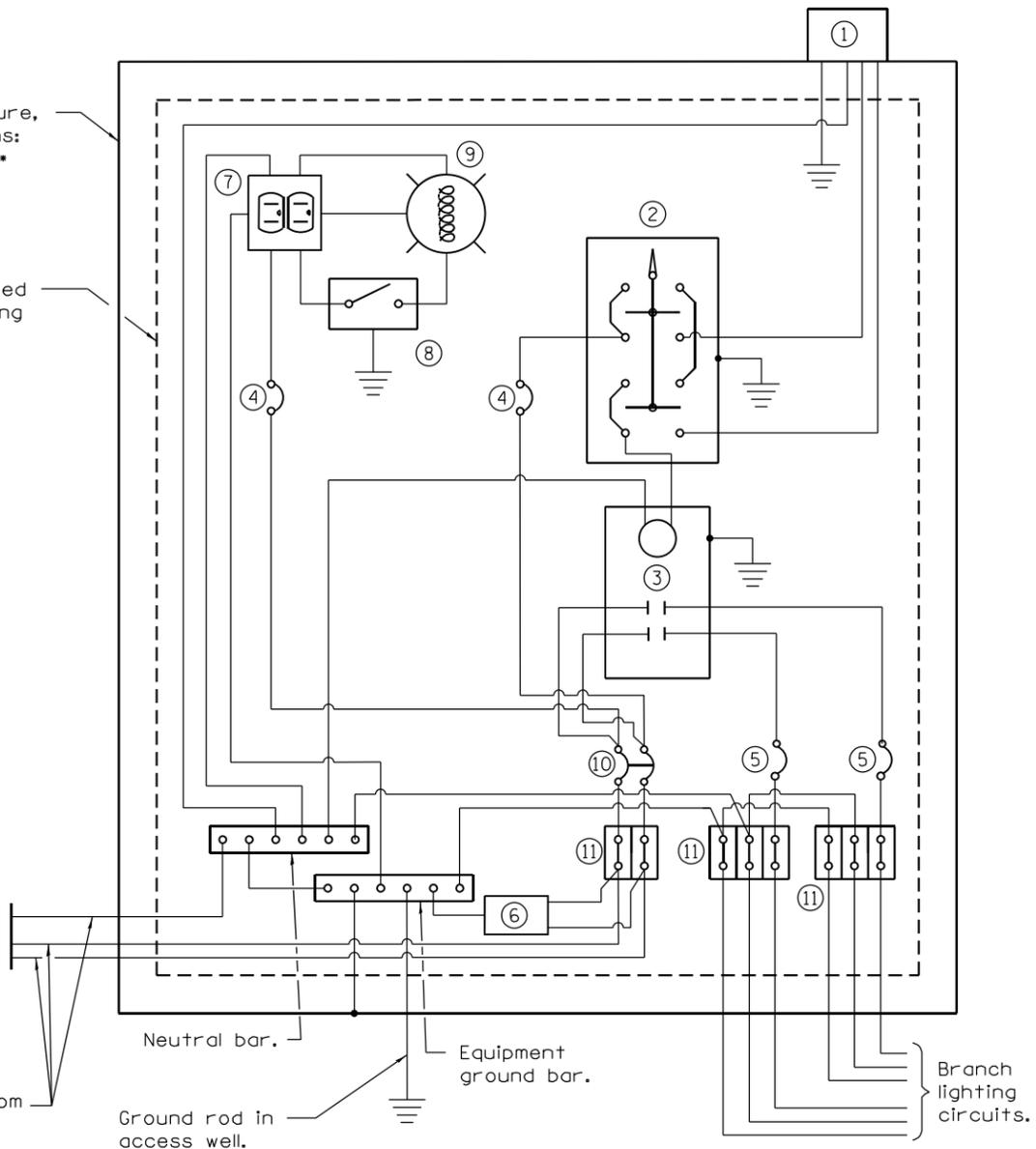
(WORK PAD NOT SHOWN)
* SIZE LARGER AS NEEDED



ANCHOR ROD DETAIL

Controller enclosure, minimum dimensions: 30H x 20W x 14D * (760 x 510 x 355)

Insulated mounting board.



CONTROL SCHEMATIC

- ① Photocell with integral surge arrester.
 - ② HAND-OFF-AUTO selector switch.
 - ③ 60 amp*, electrically held contactor.
 - ④ 15 amp, 1-pole circuit breaker.
 - ⑤ 20 amp*, single-pole circuit breaker (two shown, quantity as required).
 - ⑥ Surge arrester.
 - ⑦ GFCI duplex receptacle.
 - ⑧ Single-pole, single-throw switch.
 - ⑨ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
 - ⑩ 30 amp*, 2-pole circuit breaker.
 - ⑪ Terminal block sized for conductors as shown on plans.
- * Size larger as needed.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\s\h\... FILE NAME: ... PROJECT: ...



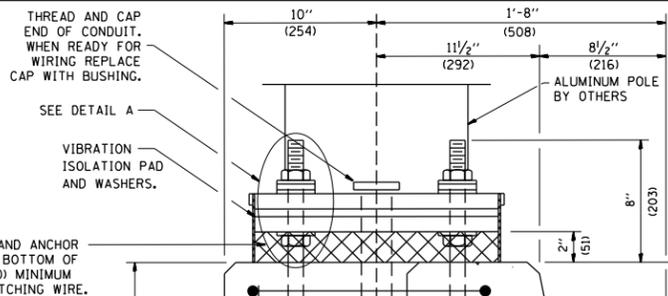
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PLOT DATE = 11/5/2025		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NAVIGATION LIGHTING CONTROLLER DETAILS

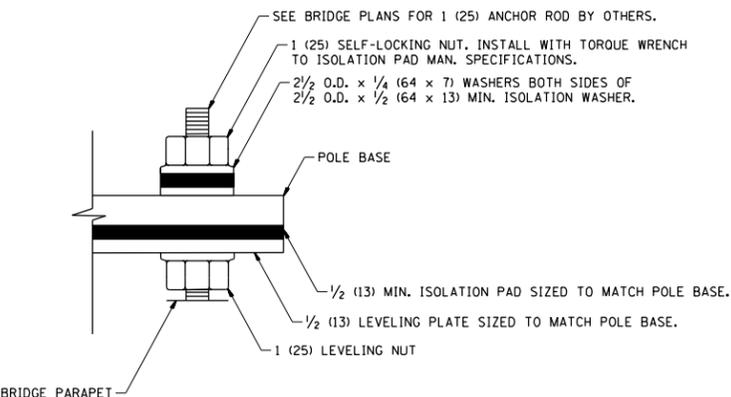
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	528
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R23	

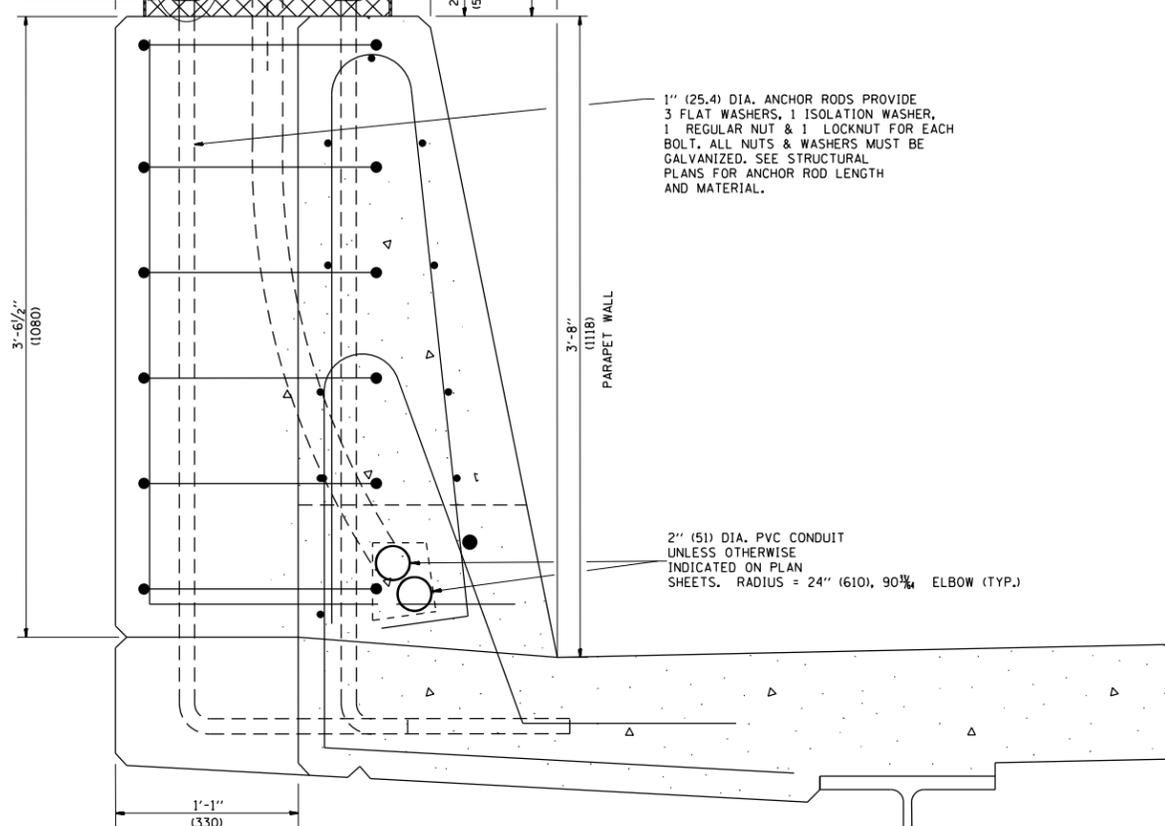


SCREEN WRAPPED AROUND NUTS AND ANCHOR RODS BETWEEN FOUNDATION AND BOTTOM OF LEVELING PLATE. PROVIDE 6 (150) MINIMUM OVERLAP AND WIRE-TIE WITH MATCHING WIRE.

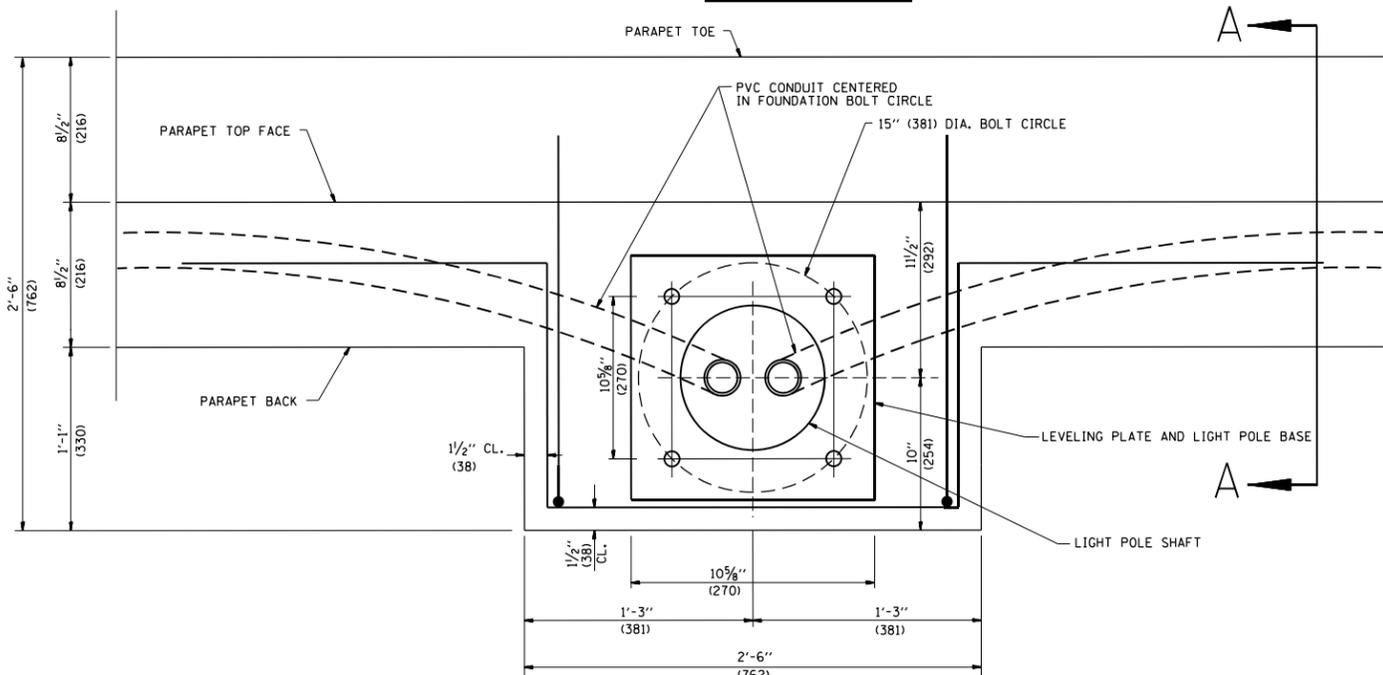
1" (25.4) DIA. ANCHOR RODS PROVIDE 3 FLAT WASHERS, 1 ISOLATION WASHER, 1 REGULAR NUT & 1 LOCKNUT FOR EACH BOLT. ALL NUTS & WASHERS MUST BE GALVANIZED. SEE STRUCTURAL PLANS FOR ANCHOR ROD LENGTH AND MATERIAL.



DETAIL A



SECTION A-A



PLAN

- NOTES**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. THE COST OF ANCHOR RODS IS INCLUDED WITH CONCRETE SUPERSTRUCTURE.
 3. SEE STRUCTURAL PLANS FOR ANCHOR ROD AND REBAR DETAILS.

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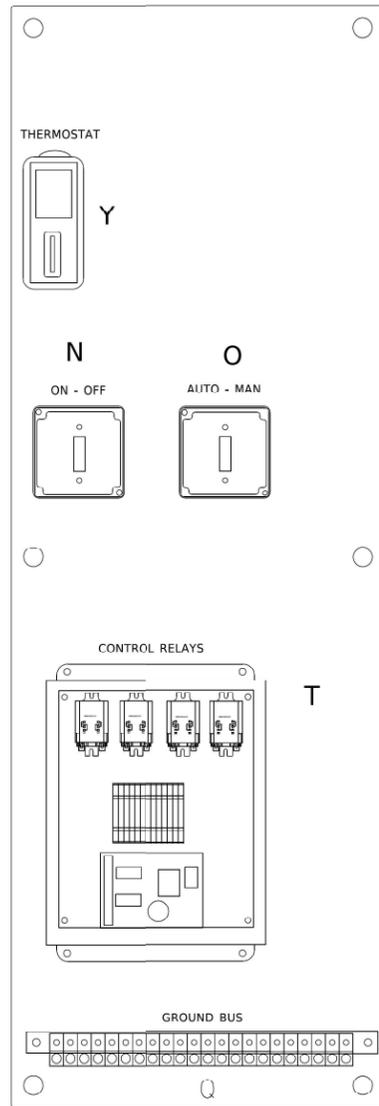
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PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

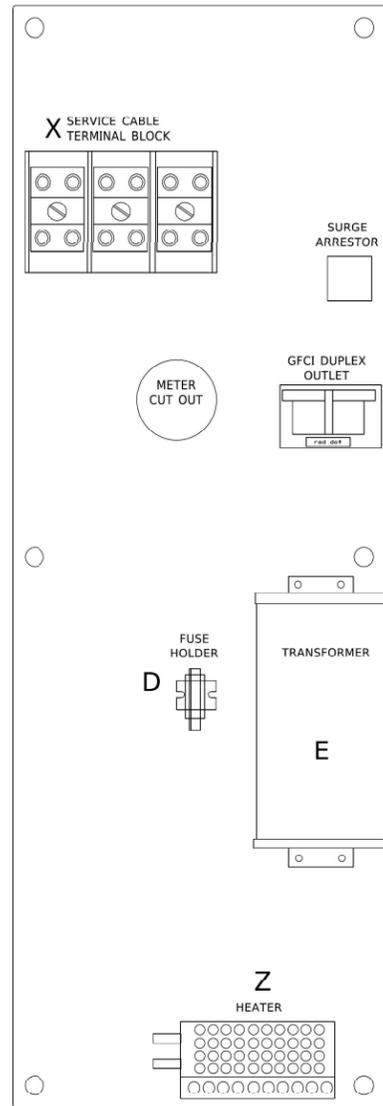
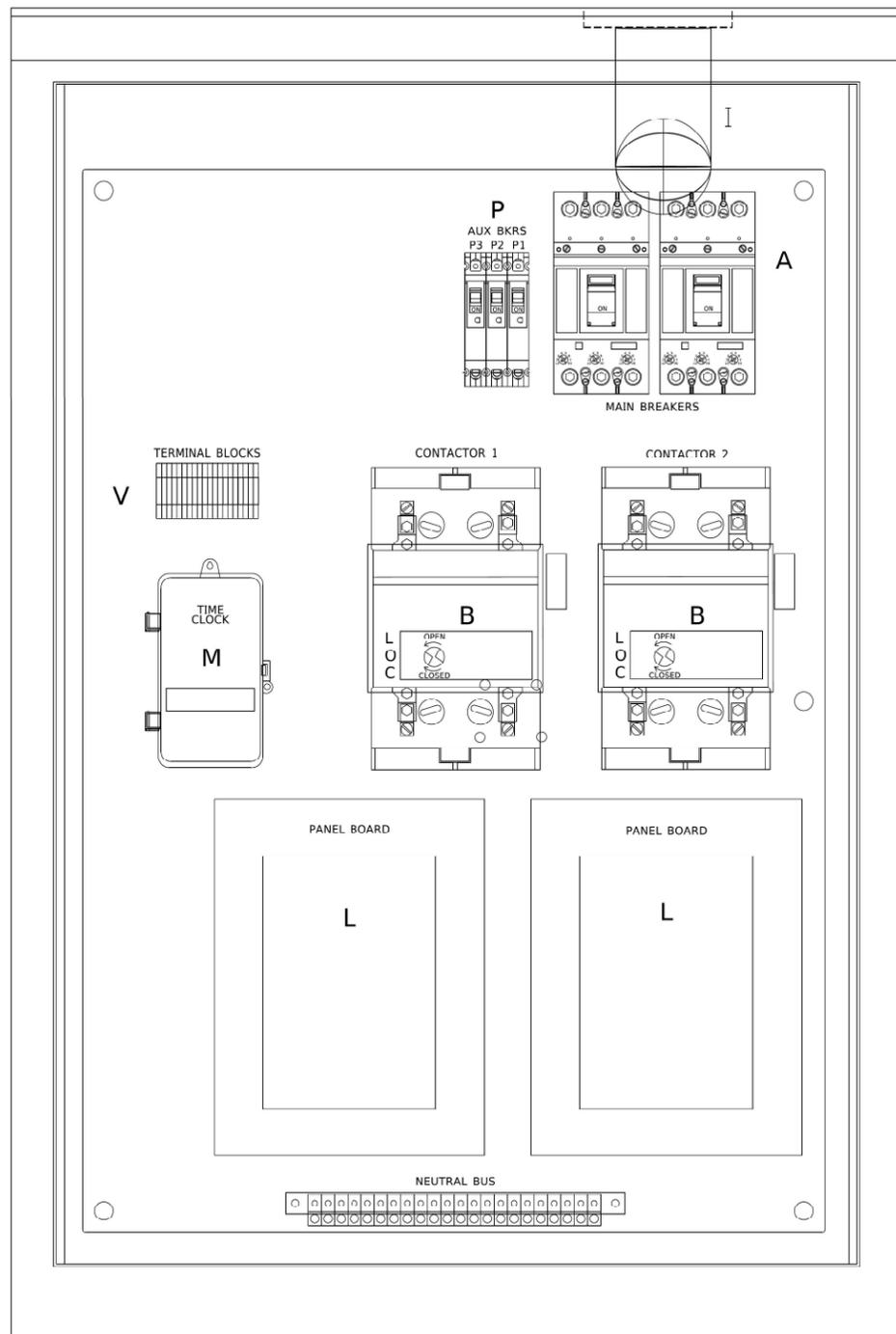
**I-80 CORRIDOR DETAILS
LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL
15" (381 mm) BOLT CIRCLE**

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	529
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



LEFT SIDE PANEL



RIGHT SIDE PANEL

BILL OF MATERIALS		
ITEM *	QTY	DESCRIPTION
A	2	MAIN BREAKERS 2 POLE 200 AMP WITH AUX CONTACT
B	2	MECHANICAL CONTACTOR 2 POLE 200 AMP 240V COIL WITH AUX CONTACTS
D	1	SECTIONAL FUSE HOLDER
E	1	2.0 KVA 277V-240/120 TRANSFORMER
G	1	15 AMP GFCI
H	2	DOOR SWITCH
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	MOMENTARY SWITCH ON - OFF
O	1	DPDT 20 AMP AUTO-MANUAL
P1	1	BREAKER 1P 15A
P2	1	BREAKER 1P 15A
P3	1	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 X 16 X 1/4
T	1	CONTROL RELAY ASSEMBLY 240V COILS WITH DPDT 25 AMP RELAYS (R1,R2,R3,R4). MOMENTARY CONTACT ADAPTER. QTY 12
V	20	TERMINAL BLOCKS
X	1	620 AMP SPLICE BLOCK
Y	1	CHROMALOX WR 80, 40-80 DEG THERMOSTAT
Z	1	HEATREX 276-10 375 WATT HEATER

*

USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 03-29-12
PLOT SCALE = 30.0000' / in.	DRAWN - CADD	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE - 12-18-02	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	530
E-200 (BE-200)			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

E-200

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USER NAME = vjguskas	DESIGNED - VG	REVISED -
PLOT SCALE = 0.167' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/5/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

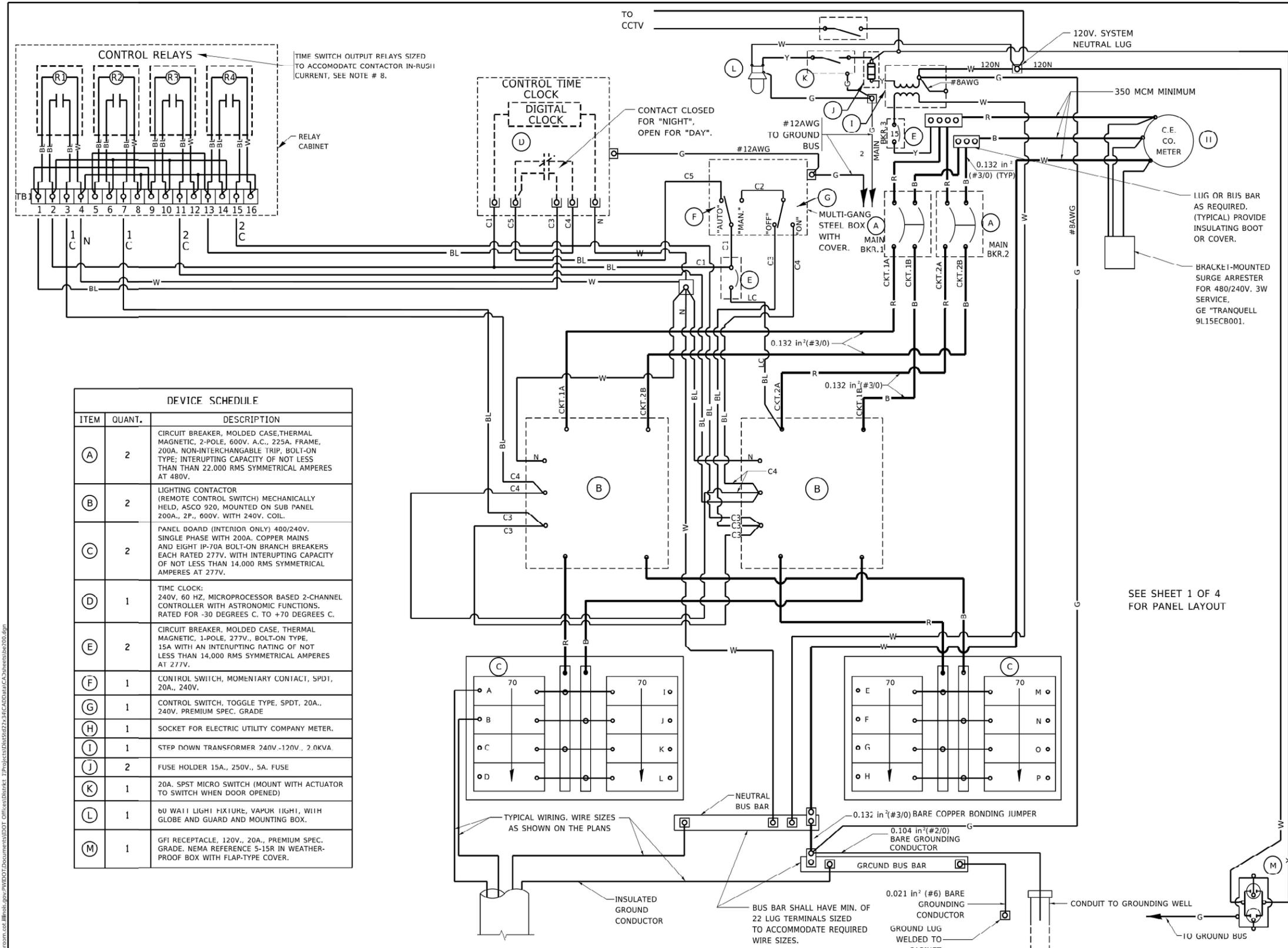
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1 - TEMPORARY CONTROLLER DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	530
IDOT D1 - TEMPORARY CONTROLLER DETAILS			CONTRACT NO. 62R23	
ILLINOIS FED. AID PROJECT				

LT-27



DEVICE SCHEDULE		
ITEM	QUANT.	DESCRIPTION
(A)	2	CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 600V. A.C., 225A. FRAME, 200A. NON-INTERCHANGABLE TRIP, BOLT-ON TYPE; INTERRUPTING CAPACITY OF NOT LESS THAN 22,000 RMS SYMMETRICAL AMPERES AT 480V.
(B)	2	LIGHTING CONTACTOR (REMOTE CONTROL SWITCH) MECHANICALLY HELD, ASCO 920, MOUNTED ON SUB PANEL 200A., 2P., 600V. WITH 240V. COIL.
(C)	2	PANEL BOARD (INTERIOR ONLY) 480/240V. SINGLE PHASE WITH 200A. COPPER MAINS AND EIGHT IP-70A BOLT-ON BRANCH BREAKERS EACH RATED 277V. WITH INTERRUPTING CAPACITY OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(D)	1	TIME CLOCK: 240V. 60 HZ. MICROPROCESSOR BASED 2-CHANNEL CONTROLLER WITH ASTRONOMIC FUNCTIONS. RATED FOR -30 DEGREES C. TO +70 DEGREES C.
(E)	2	CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 277V., BOLT-ON TYPE, 15A WITH AN INTERRUPTING RATING OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(F)	1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 20A., 240V.
(G)	1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20A., 240V. PREMIUM SPEC. GRADE
(H)	1	SOCKET FOR ELECTRIC UTILITY COMPANY METER.
(I)	1	STEP DOWN TRANSFORMER 240V.-120V., 2.0KVA.
(J)	2	FUSE HOLDER 15A., 250V., 5A. FUSE
(K)	1	20A. SPST MICRO SWITCH (MOUNT WITH ACTUATOR TO SWITCH WHEN DOOR OPENED)
(L)	1	60 WALL LIGHT FIXTURE, VAPOR LIGHT, WITH GLOBE AND GUARD AND MOUNTING BOX.
(M)	1	GFI RECEPTACLE, 120V., 20A., PREMIUM SPEC. GRADE, NEMA REFERENCE 5-15R IN WEATHER-PROOF BOX WITH FLAP-TYPE COVER.

- NOTES:**
- ALL CONTROL CABINET ITEMS SHALL HAVE SUITABLE IDENTIFICATION. OPEN CIRCUIT BREAKERS, CONTACTORS AND OTHER OPEN DEVICES SHALL HAVE PERMANENT SELF STICKING TAGS. DEVICES IN ENCLOSURES SHALL HAVE ENGRAVED 2-COLOR LAMINATED PLASTIC NAMEPLATES ATTACHED TO ENCLOSURES WITH SCREWS. NAMEPLATES SHALL BE ENGRAVED TO CORRESPOND TO DESIGNATIONS ON THE DRAWINGS. INTERNAL CABINET WIRING SHALL BE IDENTIFIED AS INDICATED OR AS DIRECTED BY THE ENGINEER BY MEANS OF SELF-STICKING TAGS APPLIED AT EACH CONNECTED END. IDENTIFICATION SHALL BE MADE BY THE CABINET MANUFACTURER.
 - ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED Y = YELLOW
B = BLACK W = WHITE
BL = BLUE G = GREEN
 - PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
 - ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
 - ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
 - THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL"
 - SEE CABINET AND FOUNDATION DETAIL SHEET FOR SCHEMATIC DIAGRAM AND DEVICE LAYOUT.
 - CONTROL RELAYS CAN BE ELIMINATED IF THE CONTROL TIME CLOCK OUTPUT CONTACTS ARE RATED FOR CONTACTOR INRUSH CURRENT.

SEE SHEET 1 OF 4 FOR PANEL LAYOUT

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USER NAME = footemj	DESIGNED - G. BRATKIV	REVISED - M. BURNS 07-25-91
PLOT SCALE = 30.0000' / IN.	DRAWN -	REVISED - S. MANLEY 10-11-93
PLOT DATE = 4/19/2019	CHECKED -	REVISED - R. TOMSONS 03-29-12
	DATE - 06-30-86	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	E-200 (BE-200)			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

E-200



USER NAME = vjguskas	DESIGNED - VG	REVISED -
PLOT SCALE = 0.167' / IN.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/5/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

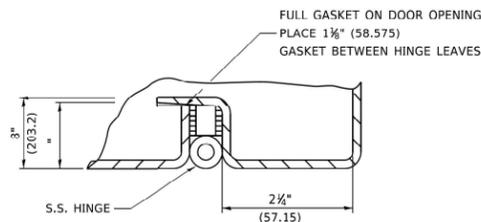
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1 - TEMPORARY CONTROLLER DETAILS

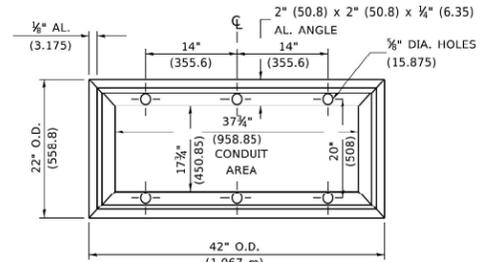
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R23			ILLINOIS FED. AID PROJECT	

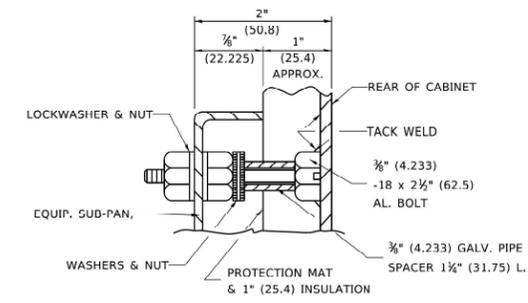
LT-28



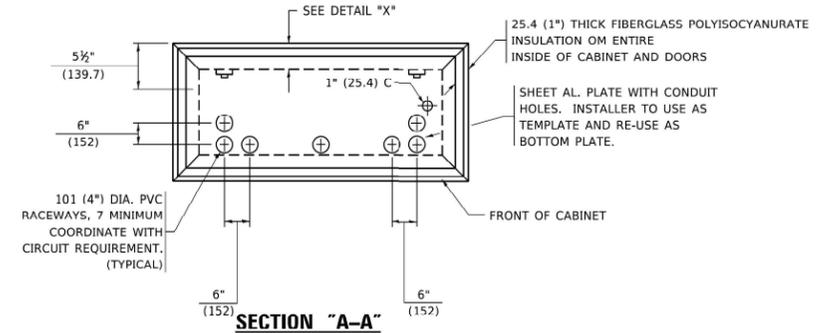
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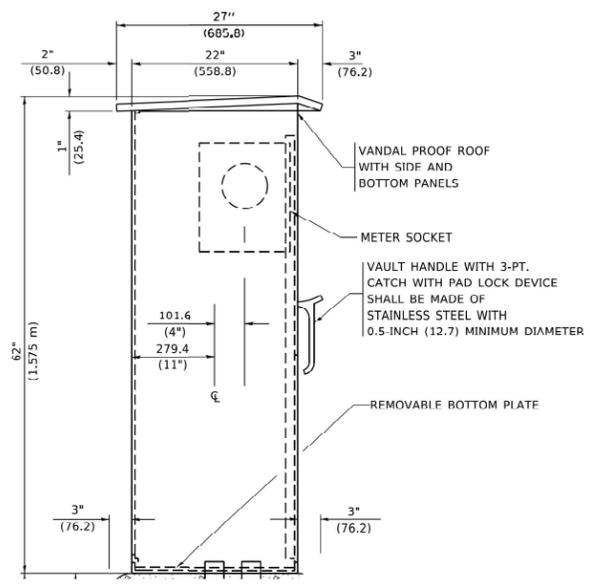
BASE MTG. DETAIL



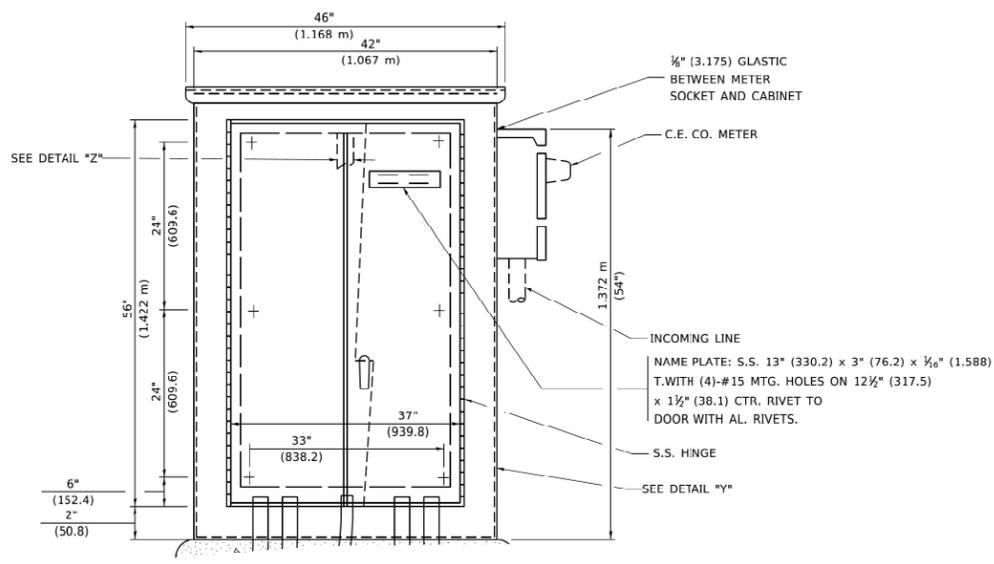
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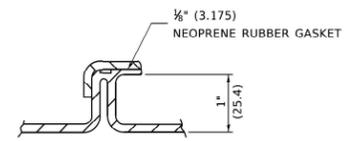
SECTION "A-A"



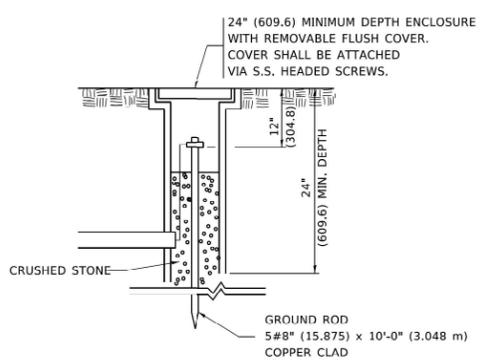
LEFT SIDE ELEVATION



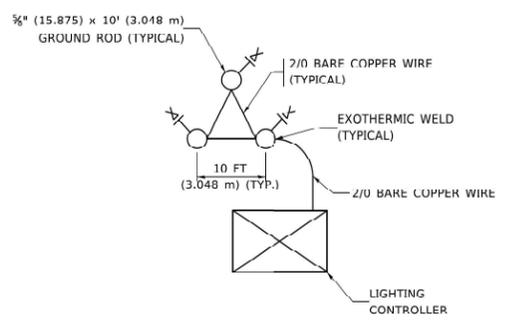
FRONT ELEVATION



DETAIL "Z"



GROUND WELL DETAIL



GROUND FIELD DETAIL (N.T.S.)

THE CONTRACTOR SHALL VERIFY EXACT LOCATION WITH THE ENGINEER

REFER TO SHEET LT-05 FOR WOOD SUPPORT PLATFORM DETAILS

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USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 03-29-12
PLOT SCALE = 30.0000' / 1"	DRAWN - CADD	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE - 12-18-02	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	E-200 (BE-200)			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

E-200

SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = vgruskas	DESIGNED - VG	REVISED -
PLOT SCALE = 0.167' / 1"	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/5/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1 - TEMPORARY CONTROLLER DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

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

LT-29

NOTES:

1. CABINET SHALL BE FABRICATED FROM 0.125-INCH (3.175) SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED ASSEMBLY.
2. ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
3. NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH (19.05) HIGH LETTERS FILLED IN BLACK: "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
4. ONE INCH THICK POLYISOCYANURATE INSULATION SHALL BE INSTALL AND PERMANENTLY CEMENTED ON ALL SIDES OF THE CABINET AND DOORS.
5. CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
6. ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
7. THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
8. METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
9. CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH (3.175) THICK GLASTIC INSULATION BACK PANEL.
10. ALL DEVICES SHALL BE FRONT REMOVABLE.
11. TIME CLOCK CHANNEL 1 N.O. CONTACT IS CLOSED NIGHT AND OPEN DAY.
12. SET "ON TIME" TO 30 MINUTES AFTER ASTRONOMICAL SUNSET.
13. BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
14. ALL LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD.
15. ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
16. ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
17. ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
18. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:

R - RED	Y - YELLOW
B - BLACK	W - WHITE
BL - BLUE	G - GREEN
19. ALL DIMENSIONS ARE IN MILIMETERS (INCHES) UNLESS OTHERWISE INDICATED.
20. SCHEMATIC SHOWN WITH BREAKER OPEN, CONTACTOR OPEN, CABINET DOOR CLOSED, CLOCK NOT ACTIVE.
21. A LAMINATED COPY OF THE CIRCUIT SCHEMATIC AND SCADA I/O DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.

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				SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.	E-200 E-200 (BE-200) CONTRACT NO.

E-200

LT-30

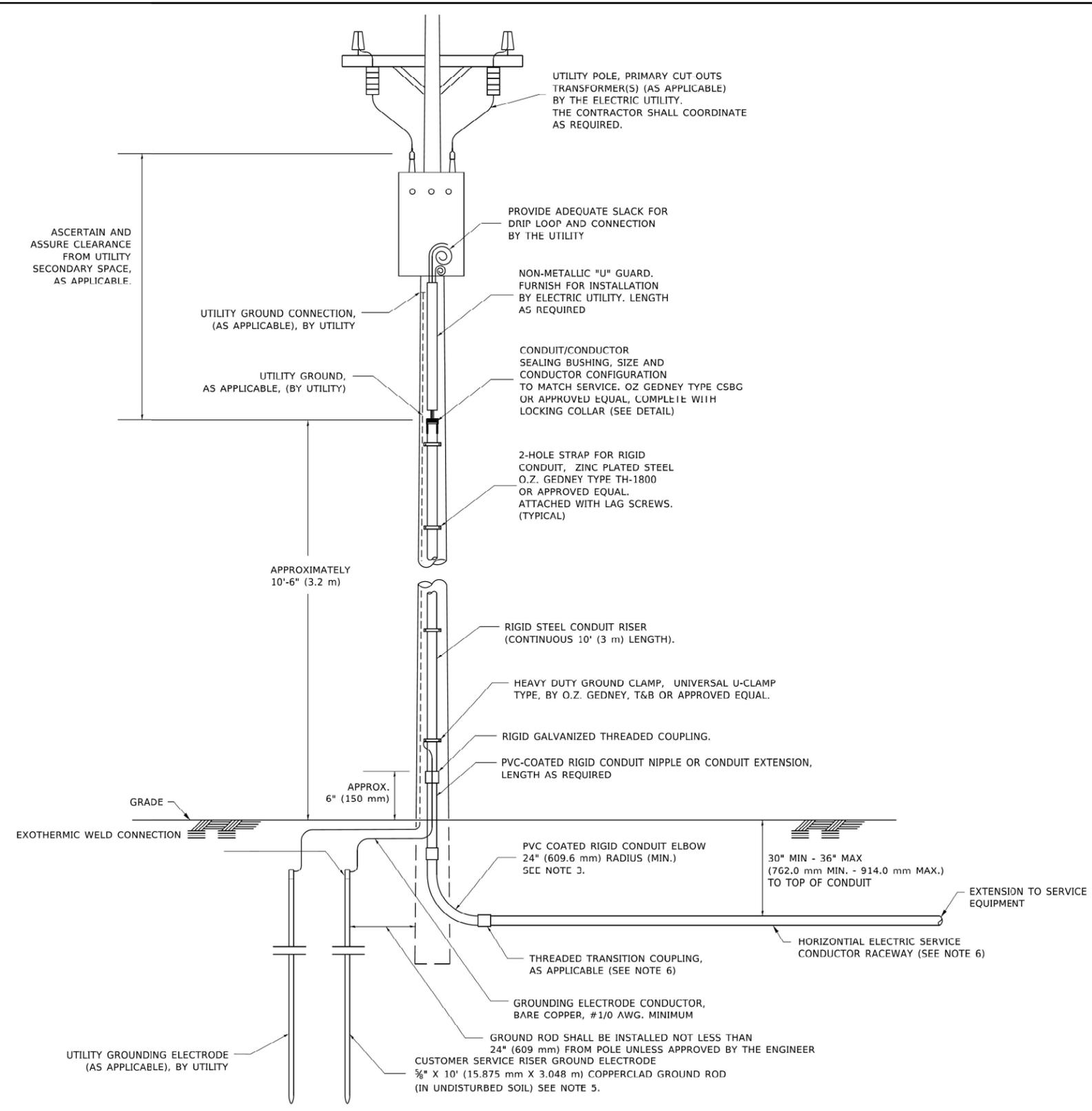


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET OF SHEETS STA. TO STA.	IDOT D1 – TEMPORARY CONTROLLER DETAILS	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
		SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.	80 FAI 80 21 STRUCTURE 2 WILL 1230 533 CONTRACT NO. 62R23

ILLINOIS FED. AID PROJECT

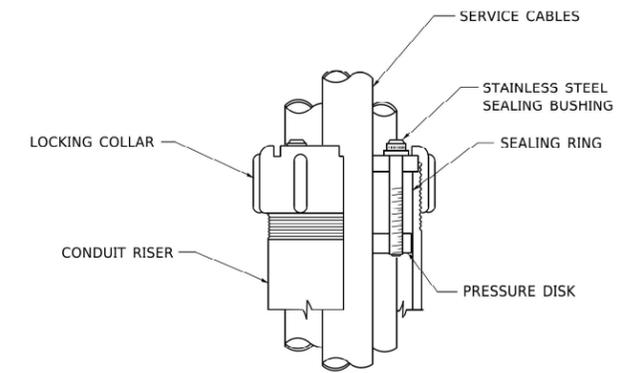


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
4. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
6. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER, WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
7. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ELECTRIC SERVICE INSTALLATION AERIAL REMOTE DISCONNECT		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO.		
				ILLINOIS FED. AID PROJECT		

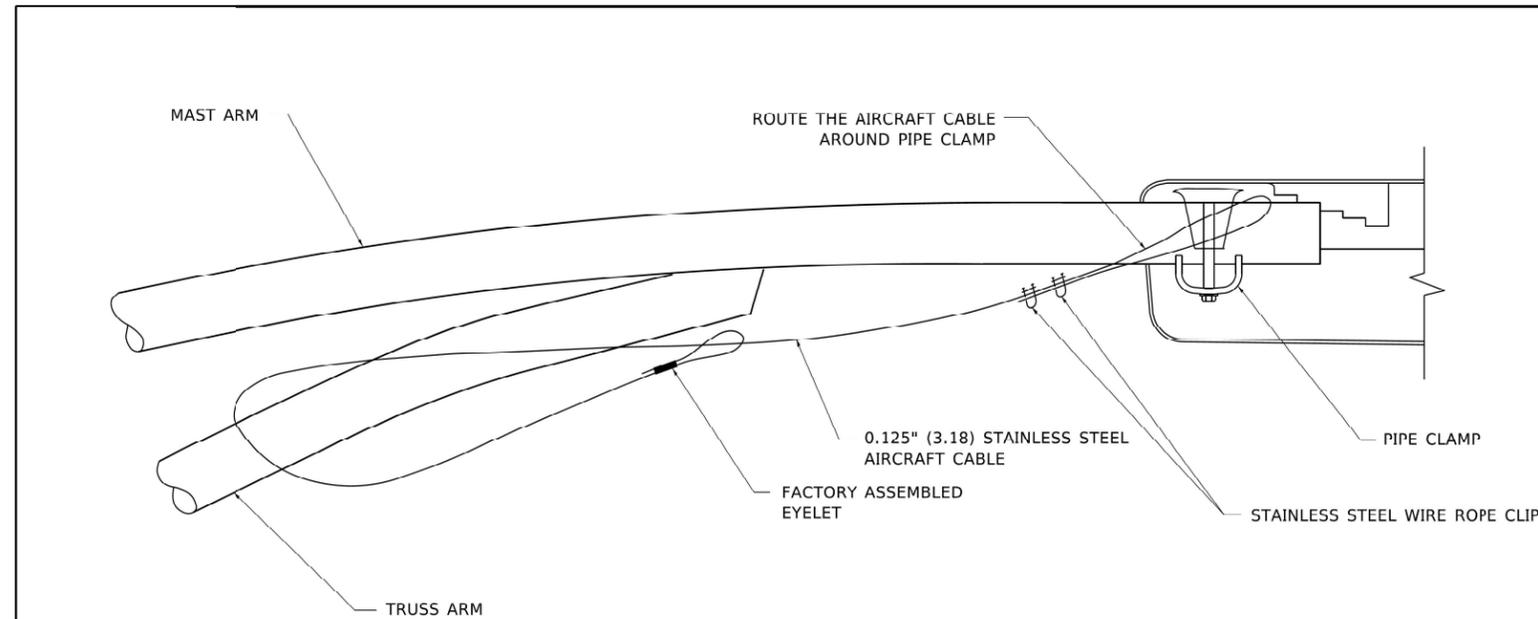
LT-31



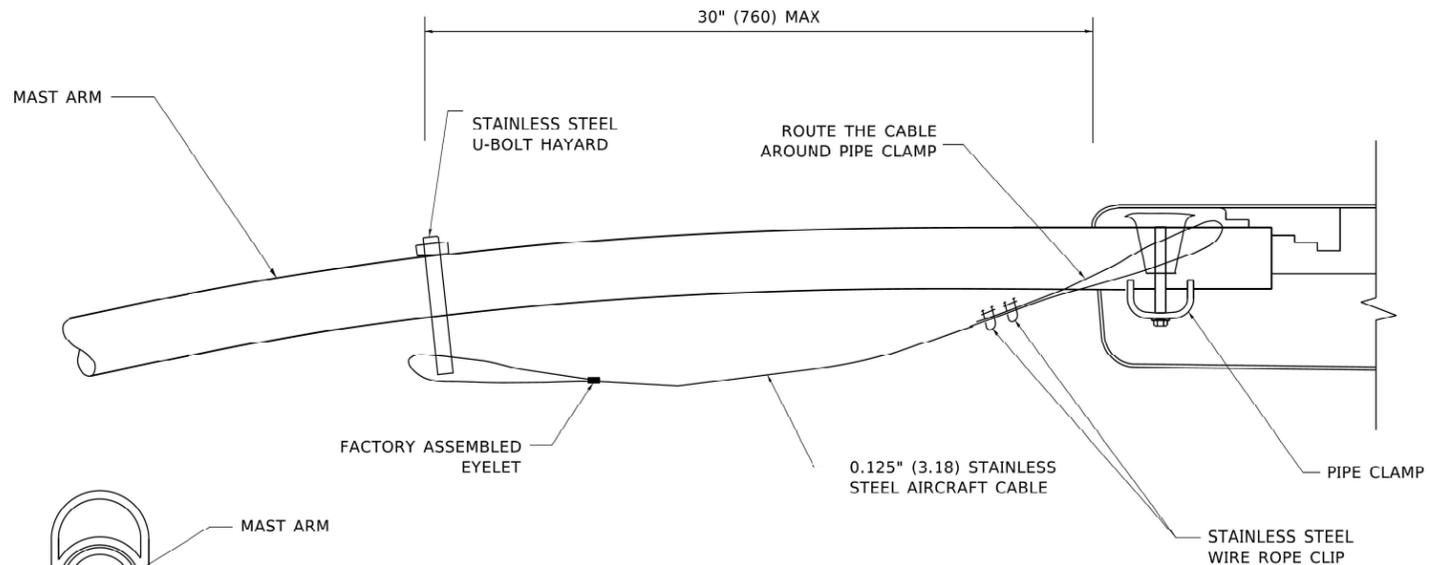
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

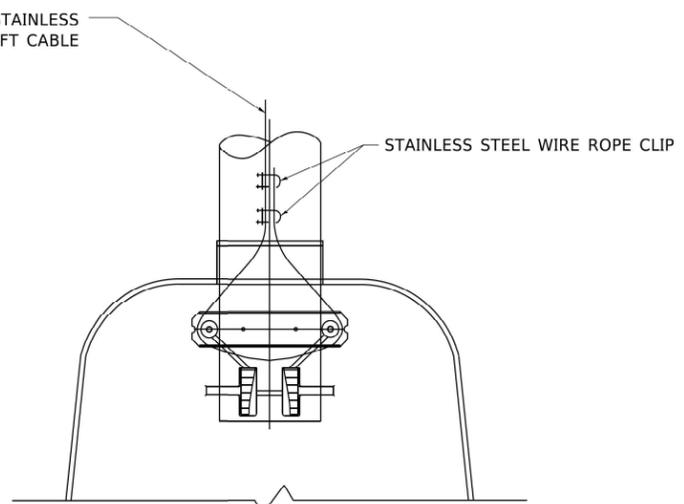
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SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 62R23		
				ILLINOIS FED. AID PROJECT		



SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
 2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
 3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
 4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

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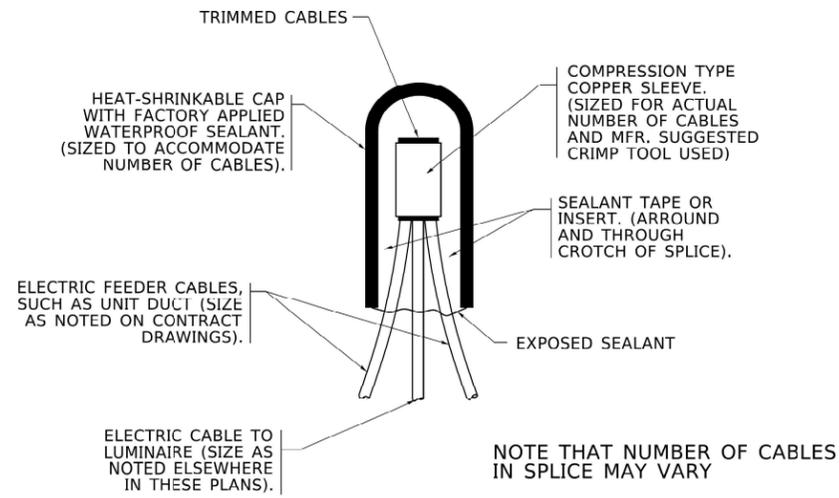
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

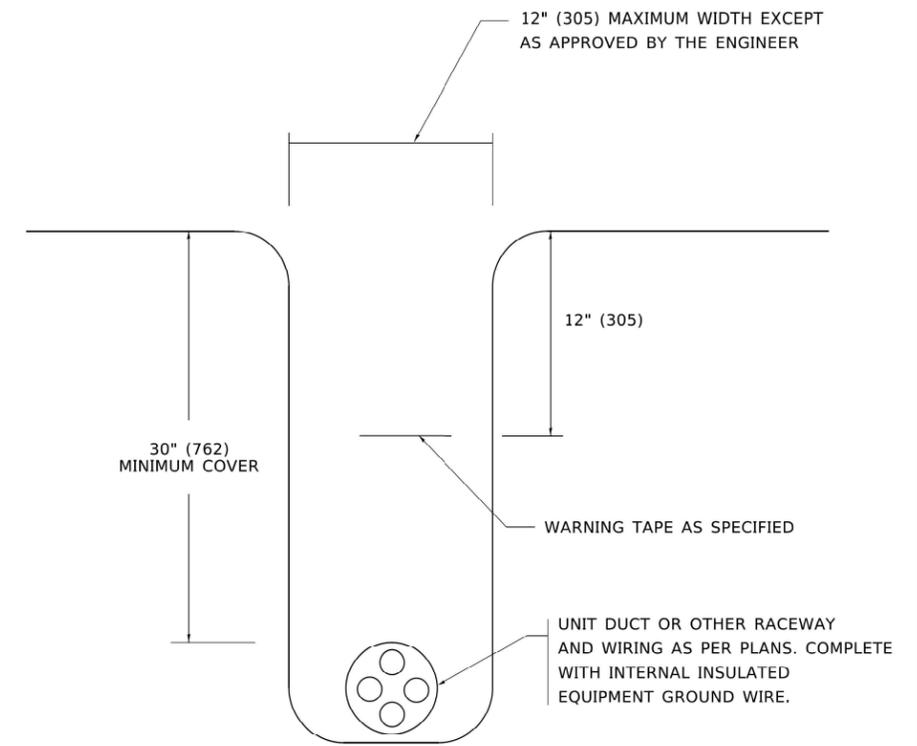
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SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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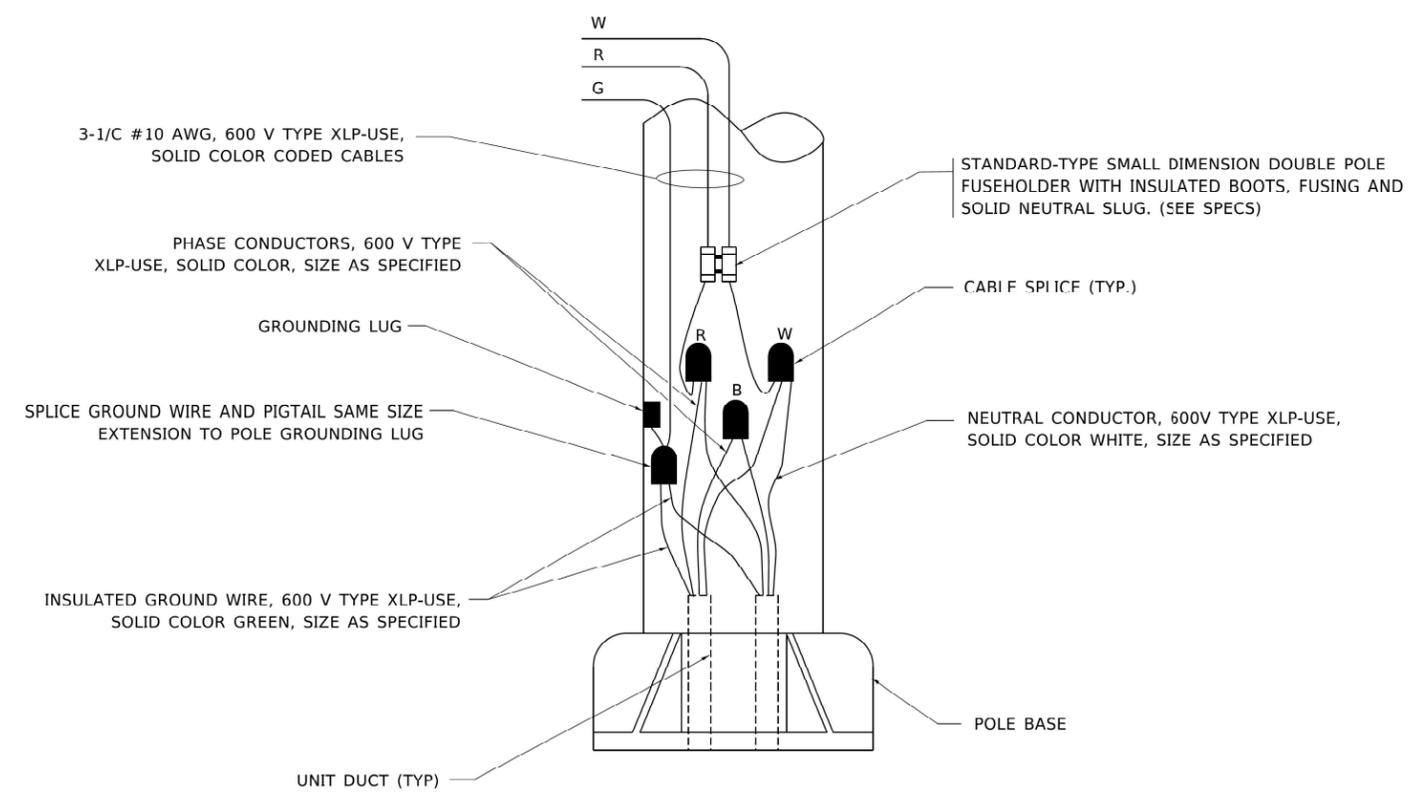
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CONTRACT NO.			CONTRACT NO.	
ILLINOIS FED. AID PROJECT			CONTRACT NO.	



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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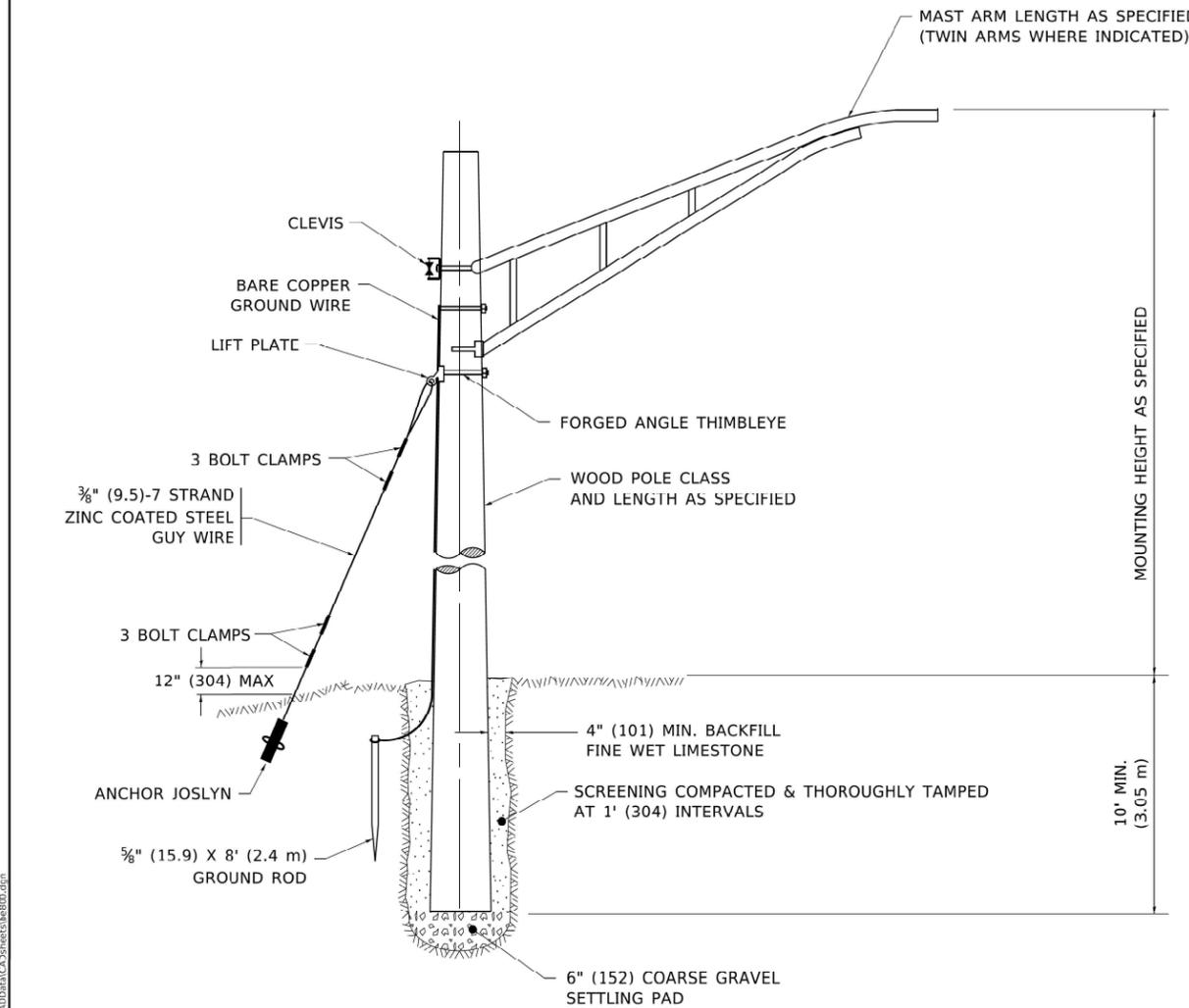


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

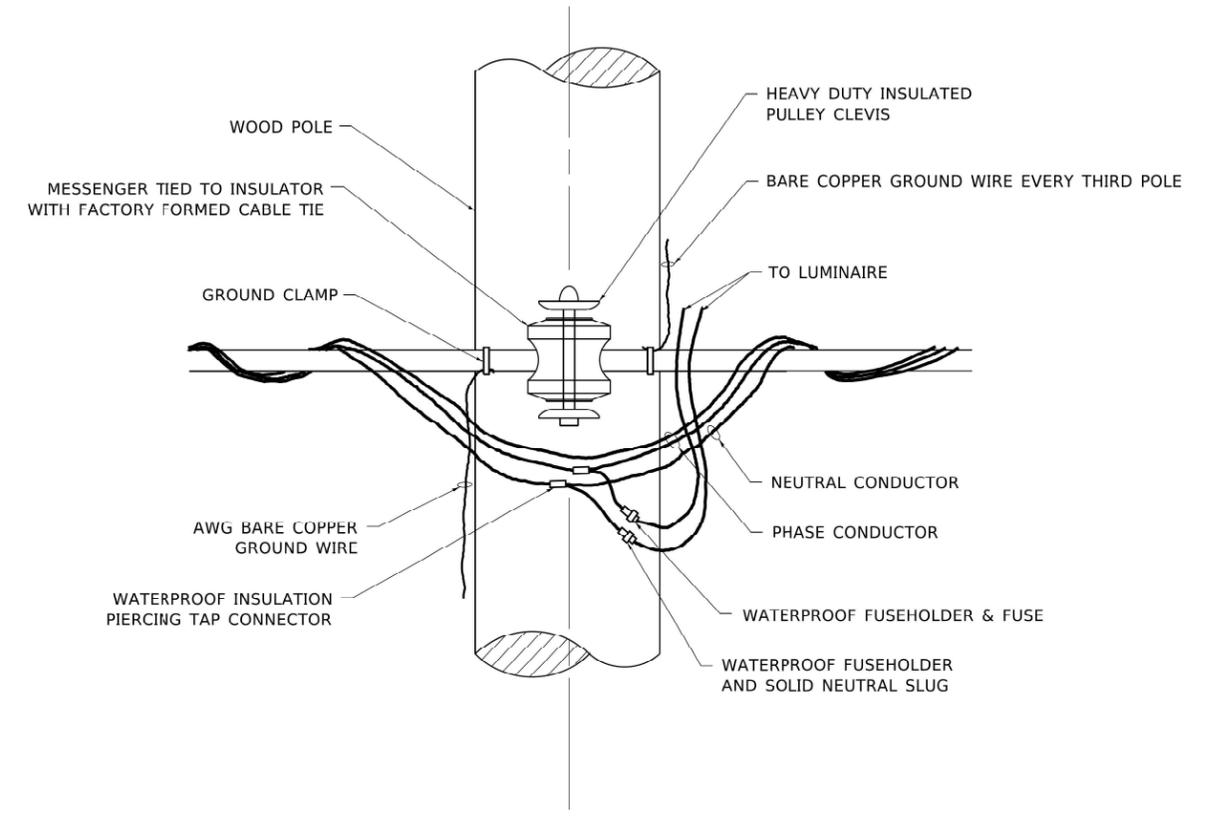
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80	FAI 80 21 STRUCTURE 2	WILL	1230	537
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL

- NOTE:
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
 2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHT POLE DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	539
BE-800		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1 - BUREAU OF ELECTRICAL DETAIL STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	539
		CONTRACT NO. 62R23		
ILLINOIS FED. AID PROJECT				

SYMBOLS FOR PROPOSED WORK

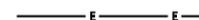
-  HEAVY DUTY HANDHOLE (ELECTRICAL)
-  COMMUNICATIONS VAULT (IDOT)
-  COMMUNICATIONS VAULT (THIRD PARTY)
-  JUNCTION BOX*
-  CAMERA MOUNTING ASSEMBLY
-  PROPOSED ELECTRIC SERVICE
-  ELEC UTILITY SERVICE PEDESTAL/PANEL WITH METER

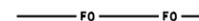
*TYPE AND SIZE AS INDICATED ON PLANS

SYMBOLS FOR EXISTING CONDITIONS

-  HEAVY DUTY HANDHOLE (ELECTRICAL)
-  COMMUNICATIONS VAULT (IDOT)
-  COMMUNICATIONS VAULT (THIRD PARTY)

LINESTYLES FOR PROPOSED WORK

 CONDUIT FOR ELECTRICAL CABLE
 -ELECTRIC CABLE TO BE INSTALLED BY 62R23 OR BY OTHERS IN FUTURE CONTRACT AS INDICATED ON PLANS

 MICRODUCT OR INNERDUCT
 -FIBER OPTIC CABLE TO BE INSTALLED BY 62R23 OR BY OTHERS IN FUTURE CONTRACT AS INDICATED ON PLANS

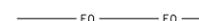
 CONDUIT SLEEVE*

*TYPE, SIZE AND CONDUCTORS AS INDICATED ON PLANS

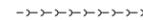
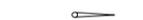
LINESTYLES FOR EXISTING CONDITIONS

 EXISTING UNDERGROUND ELECTRIC CABLE TO BE REMOVED
 EXISTING UNDERGROUND CONDUIT TO BE ABANDONED

 EXISTING UNDERGROUND FIBER OPTIC CABLE TO BE REMOVED
 EXISTING UNDERGROUND MICRODUCT OR CONDUIT TO BE ABANDONED

 EXISTING MICRODUCT FIBER OPTIC CABLE TO REMAIN OR BE REMOVED
 AND REINSTALLED AS INDICATED ON PLANS

NON-ITS ELEMENTS LEGEND

-  EXISTING UNDERGROUND TELEPHONE
-  EXISTING FIBER OPTIC CABLE
-  EXISTING UNDERGROUND GAS
-  EXISTING UNDERGROUND CABLE TV
-  EXISTING UNDERGROUND WATER
-  EXISTING UNDERGROUND OIL
-  EXISTING ACCESS CONTROL AND ROW FENCE
-  EXISTING AERIAL LINE
-  EXISTING GUARDRAIL
-  EXISTING STORM SEWER
-  EXISTING SANITARY SEWER
-  EXISTING LIGHTING
-  EXISTING SIGNAGE
-  PROPOSED ACCESS CONTROL AND ROW FENCE
-  PROPOSED GUARDRAIL
-  PROPOSED STORM SEWER
-  PROPOSED UNDERDRAIN
-  PROPOSED DRAINAGE
-  PROPOSED DRAINAGE FLOW
-  PROPOSED LIGHTING
-  PROPOSED SIGNAGE

ABBREVIATIONS

A	ABANDON
ATS	ATTACHED TO STRUCTURE
CNC	COILABLE NONMETALLIC CONDUIT
COMM	COMMUNICATIONS
(E)	EXISTING TO REMAIN
F	FIBER
FOC	FIBER OPTIC CABLE
FRE	FIBERGLASS REINFORCED EPOXY (CONDUIT)
FT	FEET
GSC	GALVANIZED STEEL CONDUIT
HDHH	HEAVY-DUTY HANDHOLE
(I)	INSTALL
JB	JUNCTION BOX
NTS	NOT TO SCALE
OFF	OFFSET
SM	SINGLE MODE

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ITS LEGEND & ABBREVIATIONS

SCALE: NTS SHEET 1 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	541
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

ITS GENERAL NOTES

1. AFTER THE INITIAL LOCATE OF IDOT FACILITIES, THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
3. POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT/MICRODUCT/INNERDUCT PAY ITEMS.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUIT/MICRODUCT/INNERDUCT PAY ITEMS.
5. THE CONTRACTOR SHALL VERIFY ADEQUATE CLEARANCE OVER/UNDER EXISTING AND PROPOSED FACILITIES BEFORE INSTALLING DUCTS OR CONDUIT. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION.
6. CONDUIT OR DUCT CROSSING OVER/UNDER OTHER UTILITIES OR DRAINAGE SHALL MAINTAIN A SEPERATION OF AT LEAST 18 INCHES OR AS SPECIFIED BY OWNING UTILITY.
7. CONDUITS AND DUCTS SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES.
8. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN MINIMUM DEPTH SPECIFIED TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES, DRAINAGE PIPES, AND STRUCTURES OR TO ENTER COMMUNICATIONS VAULTS OR HANDHOLES.
9. THE CONTRACTOR SHALL AVOID TRENCHING THROUGH WETLAND AREA, ROADSIDE DITCHES AND RETENTION PONDS.
10. IDOT MICRODUCT SHALL ONLY ENTER IDOT COMMUNICATIONS VAULTS.
11. THIRD PARTY MICRODUCT SHALL ONLY ENTER THIRD PARTY COMMUNICATIONS VAULTS.
12. ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS. EXCAVATED MATERIALS SHALL BE DISPOSED OF AT LOCATIONS DESIGNATED BY THE ENGINEER. ANY SUCH DISPOSAL SHALL BE COMPLETED IN SUCH A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED AND SHALL NOT CREATE AN UNSIGHTLY OR OBJECTIONABLE APPEARANCE OR DETRACT FORM THE NATURAL TOPOGRAPHIC FEATURES WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
13. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
14. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
15. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
16. ELECTRICAL HANDHOLE COVER LEGEND SHALL BE "IDOT ITS".
17. ITS SYMBOLS ARE OVERSIZED ON THE PLANS FOR CLARITY. CONTRACTOR SHALL USE STATIONS AND OFFSETS TO ACCURATELY LOCATE EQUIPMENT.

ITS BILL OF MATERIALS FOR IDOT & THIRD PARTY

ITEM	DESCRIPTION	UNIT	TOTAL QTY	IDOT QTY*	THIRD PARTY QTY*
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	-	-
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	-	-
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	380	-	-
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,293	1008	285
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	33	-	-
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	528	-	-
81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	909	-	-
81101001	CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 2" DIA.	FOOT	857	-	-
81101002	CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 4" DIA.	FOOT	8,644	6439	2205
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	3	-	-
81300960	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 42" X 36" X 12"	EACH	2	-	-
81400200	HEAVY-DUTY HANDHOLE	EACH	9	-	-
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	231	-	-
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	-	-
87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	170	-	-
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	2	-	-
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,800	-	-
89502380	REMOVE EXISTING HANDHOLE	EACH	4	-	-
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	-	-
X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	1	-	-
X8101102	UNDERGROUND CONDUIT, MULTI-DUCT, 7-18MM MICRODUCTS	FOOT	11,859	9351	2508
X8950425	REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	L SUM	1	-	-
X8950512	REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT	FOOT	7,312	-	-
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	3	-	-
Z0033052	COMMUNICATIONS VAULT	EACH	3	2	1

*THESE COLUMNS ARE NOT ADDITIONAL QUANTITY. THEY PROVIDE THE QUANTITY SPLIT BETWEEN IDOT AND THIRD PARTY FOR THE ITEMS LISTED.

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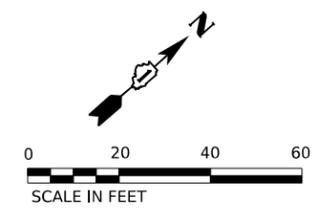
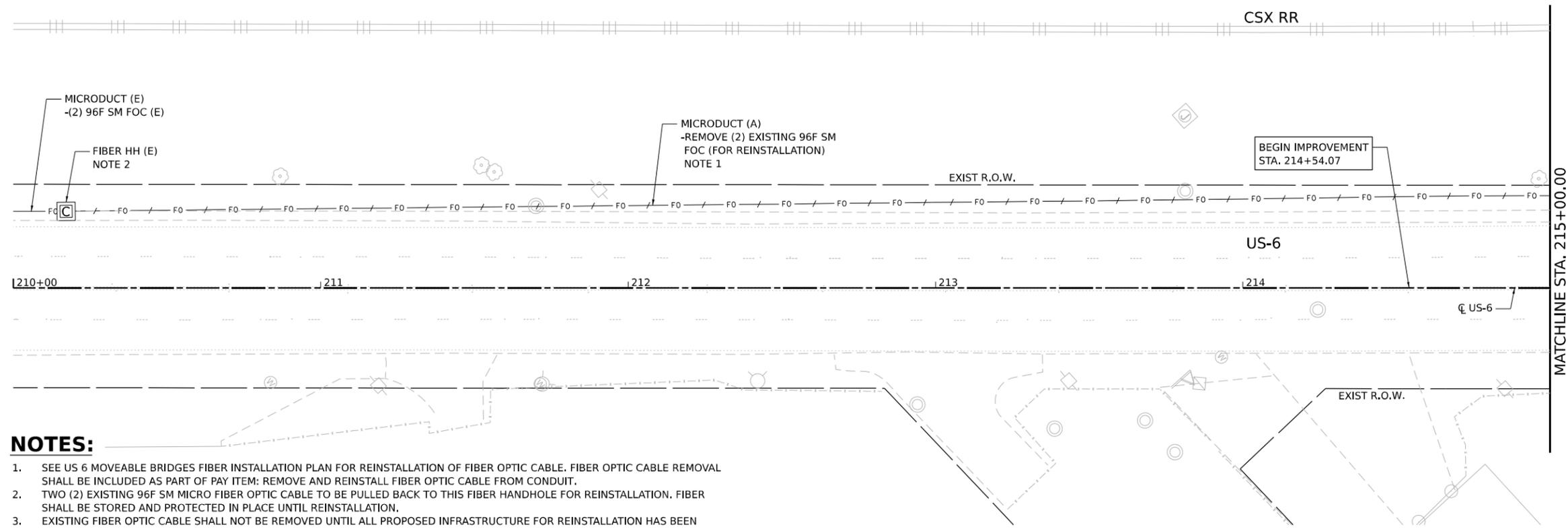
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS NOTES AND BILL OF MATERIALS

SCALE: NTS SHEET 2 OF 41 SHEETS STA. TO STA.

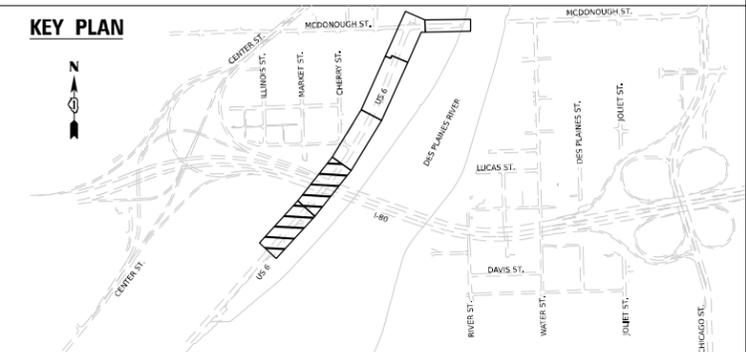
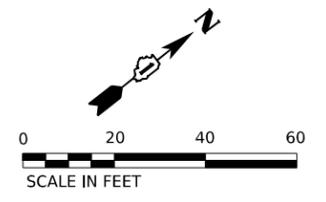
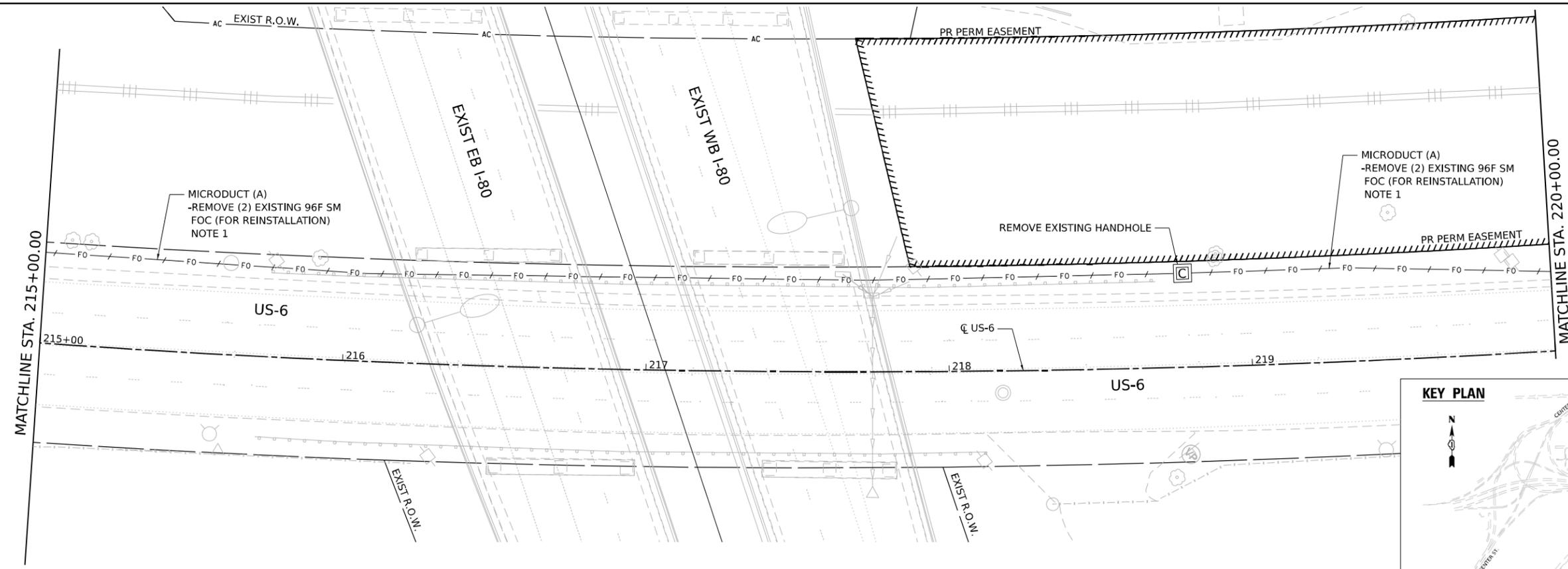
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80	FAI 80 21 STRUCTURE 2	WILL	1230	542
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

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NOTES:

1. SEE US 6 MOVEABLE BRIDGES FIBER INSTALLATION PLAN FOR REINSTALLATION OF FIBER OPTIC CABLE. FIBER OPTIC CABLE REMOVAL SHALL BE INCLUDED AS PART OF PAY ITEM: REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT.
2. TWO (2) EXISTING 96F SM MICRO FIBER OPTIC CABLE TO BE PULLED BACK TO THIS FIBER HANDHOLE FOR REINSTALLATION. FIBER SHALL BE STORED AND PROTECTED IN PLACE UNTIL REINSTALLATION.
3. EXISTING FIBER OPTIC CABLE SHALL NOT BE REMOVED UNTIL ALL PROPOSED INFRASTRUCTURE FOR REINSTALLATION HAS BEEN INSTALLED AND ALL TESTING OF EXISTING FIBER IN PLACE HAS BEEN COMPLETED AND SUBMITTED TO THE ENGINEER.



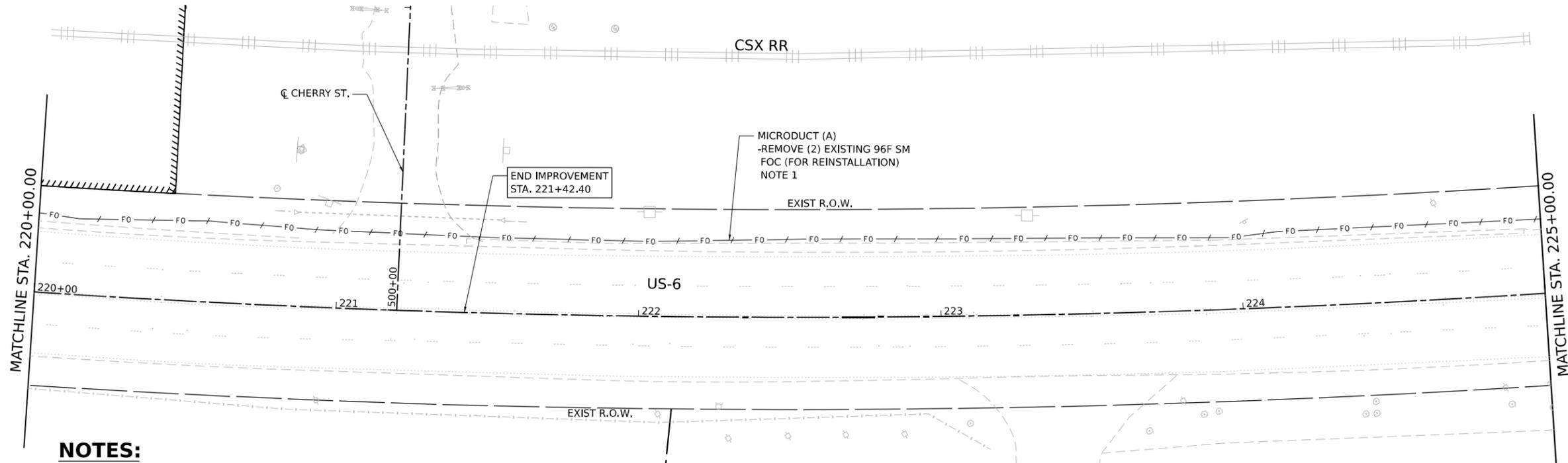
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	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MOVEABLE BRIDGES FIBER REMOVAL PLAN
 US 6**

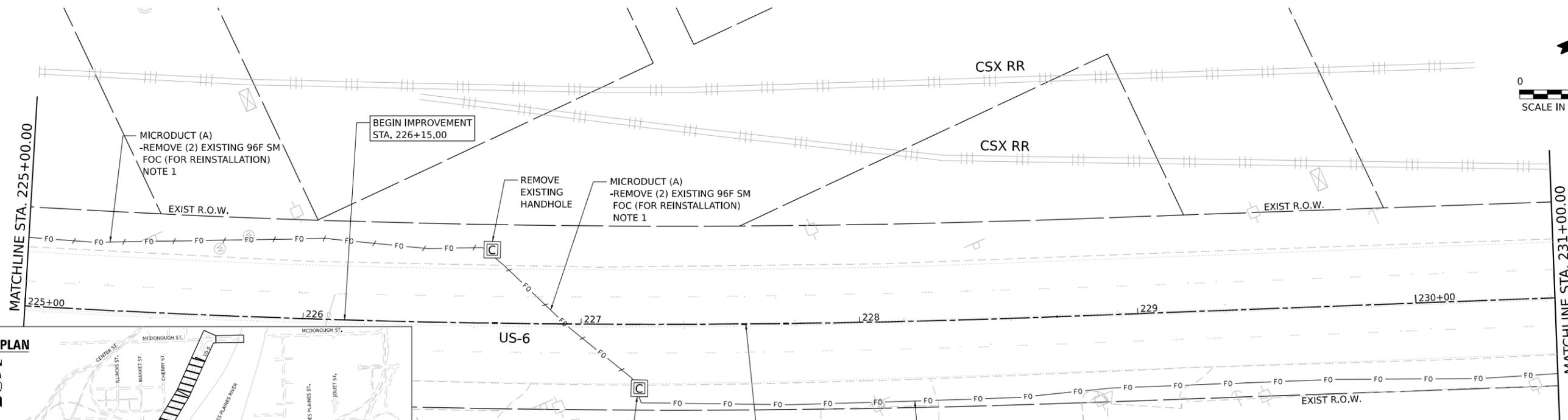
SCALE: 1"=20' SHEET 4 OF 41 SHEETS STA. 210+00 TO STA. 220+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

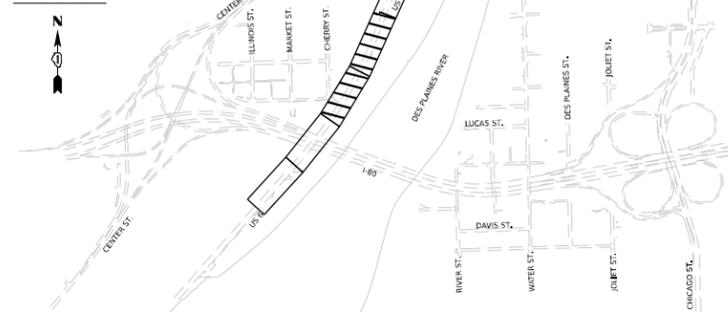


NOTES:

1. SEE US 6 MOVEABLE BRIDGES FIBER INSTALLATION PLAN FOR REINSTALLATION OF FIBER OPTIC CABLE. FIBER OPTIC CABLE REMOVAL SHALL BE INCLUDED AS PART OF PAY ITEM: REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT.
2. EXISTING FIBER OPTIC CABLE SHALL NOT BE REMOVED UNTIL ALL PROPOSED INFRASTRUCTURE FOR REINSTALLATION HAS BEEN INSTALLED AND ALL TESTING OF EXISTING FIBER IN PLACE HAS BEEN COMPLETED AND SUBMITTED TO THE ENGINEER.



KEY PLAN



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ATLAS
 ATLAS TECHNICAL CONSULTANTS, LLC
 100 S. WACKER DRIVE, SUITE 400
 CHICAGO, IL 60606

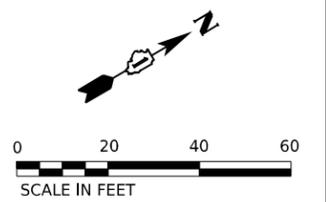
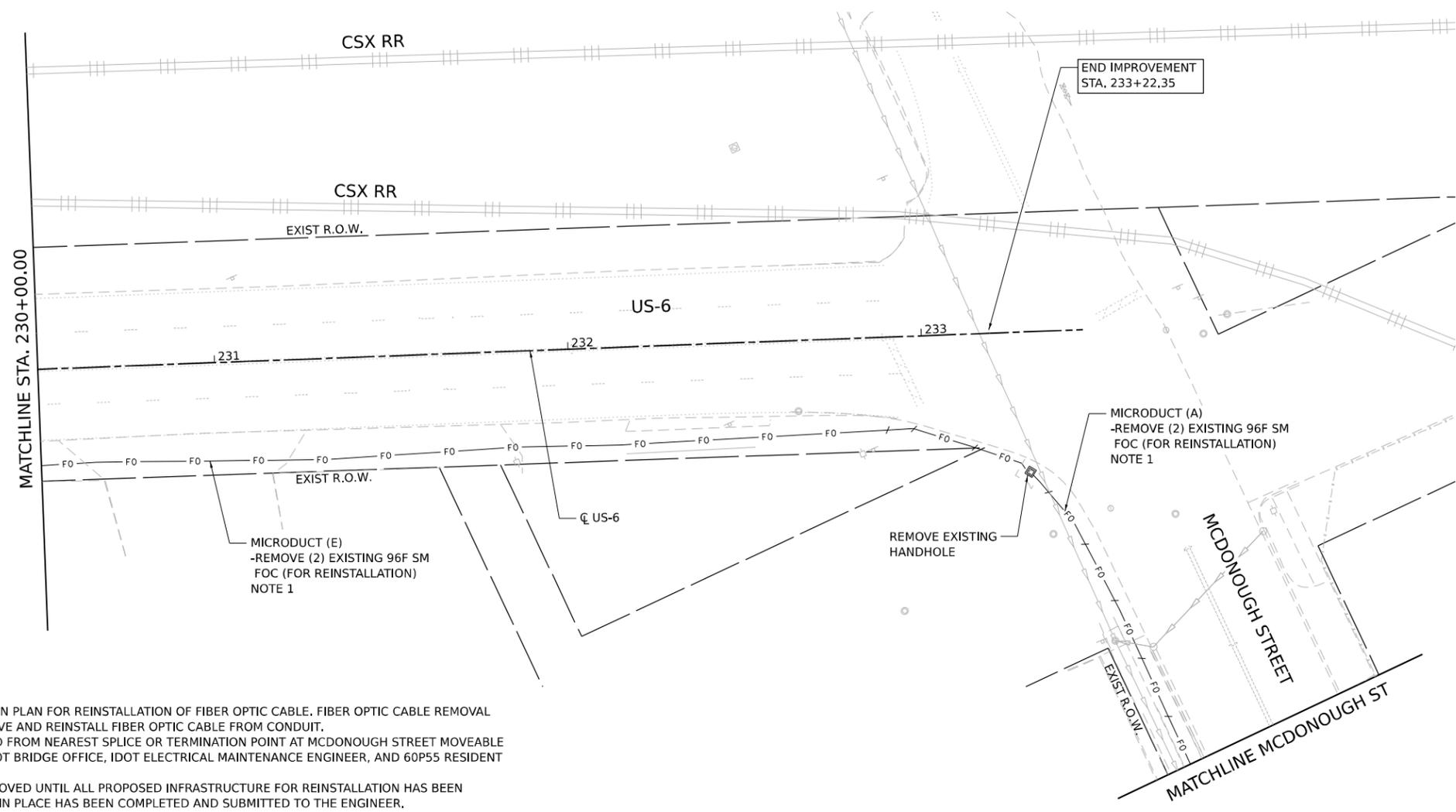
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MOVEABLE BRIDGES FIBER REMOVAL PLAN
 US 6**

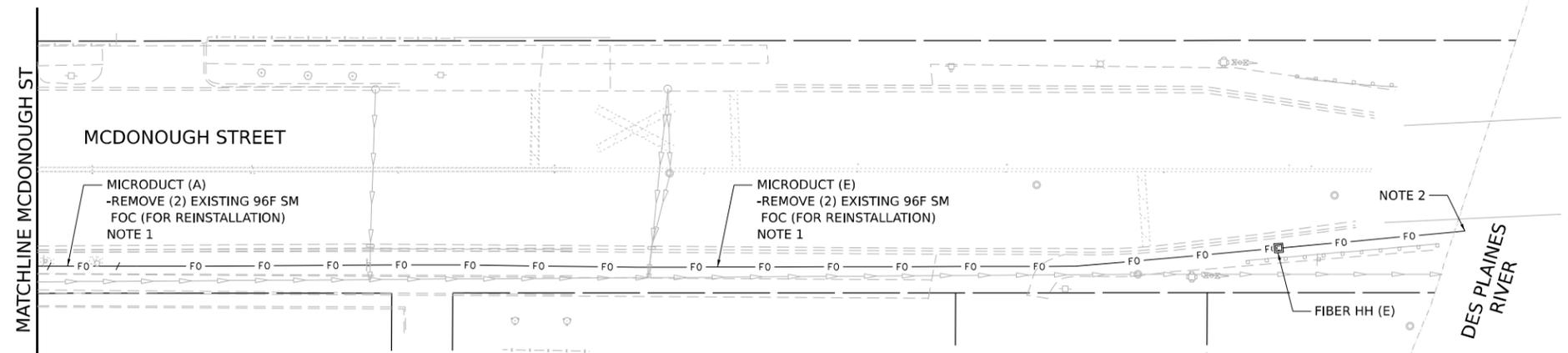
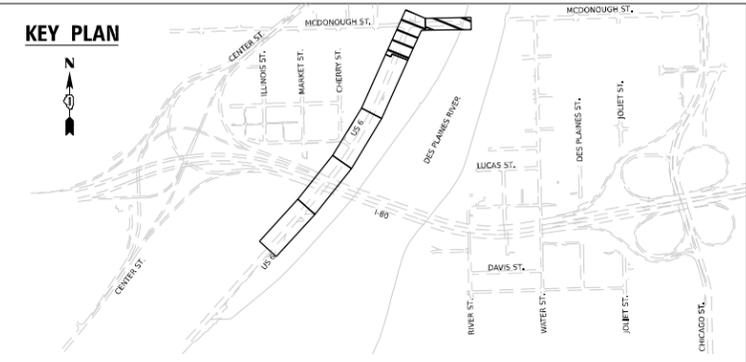
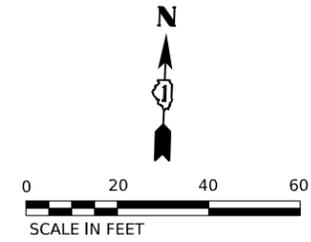
SCALE: 1"=20' SHEET 5 OF 41 SHEETS STA. 220+00 TO STA. 231+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	545
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



NOTES:

1. SEE US 6 MOVEABLE BRIDGES FIBER INSTALLATION PLAN FOR REINSTALLATION OF FIBER OPTIC CABLE. FIBER OPTIC CABLE REMOVAL SHALL BE INCLUDED AS PART OF PAY ITEM: REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT.
2. EXISTING FIBER OPTIC CABLE SHALL BE REMOVED FROM NEAREST SPLICE OR TERMINATION POINT AT MCDONOUGH STREET MOVEABLE BRIDGE. CONTRACTOR TO COORDINATE WITH IDOT BRIDGE OFFICE, IDOT ELECTRICAL MAINTENANCE ENGINEER, AND 60P55 RESIDENT ENGINEER.
3. EXISTING FIBER OPTIC CABLE SHALL NOT BE REMOVED UNTIL ALL PROPOSED INFRASTRUCTURE FOR REINSTALLATION HAS BEEN INSTALLED AND ALL TESTING OF EXISTING FIBER IN PLACE HAS BEEN COMPLETED AND SUBMITTED TO THE ENGINEER.



ATLAS
ATLAS TECHNICAL CONSULTANTS, LLC
100 S. WACKER DRIVE, SUITE 400
CHICAGO, IL 60606

USER NAME = dmeier	DESIGNED - DJM
PLOT SCALE = 40,000' / in.	DRAWN - DJM
PLOT DATE = 11/5/2025	CHECKED - REL
	DATE - 11/7/2025

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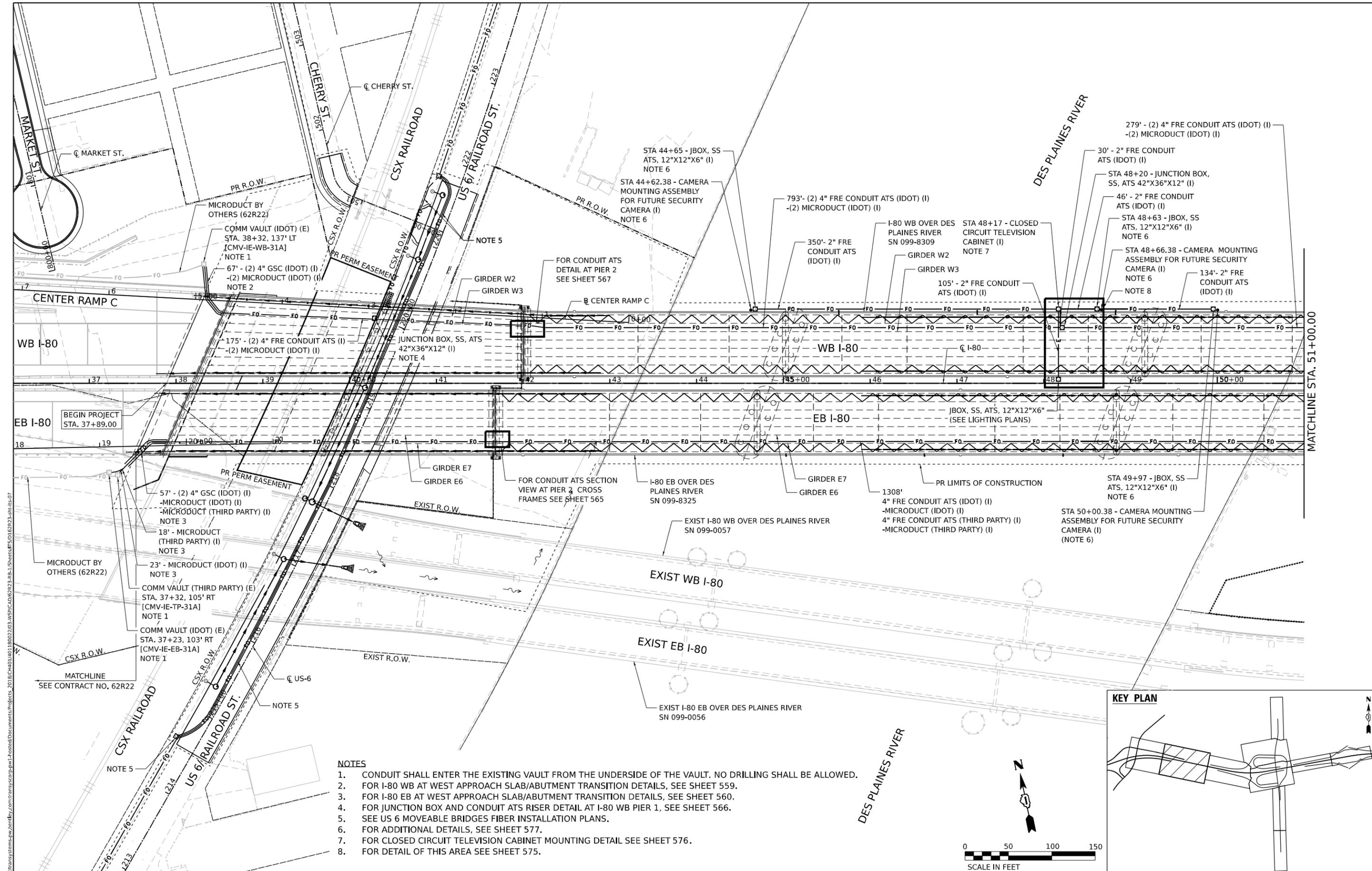
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MOVEABLE BRIDGES FIBER REMOVAL PLAN
US 6**

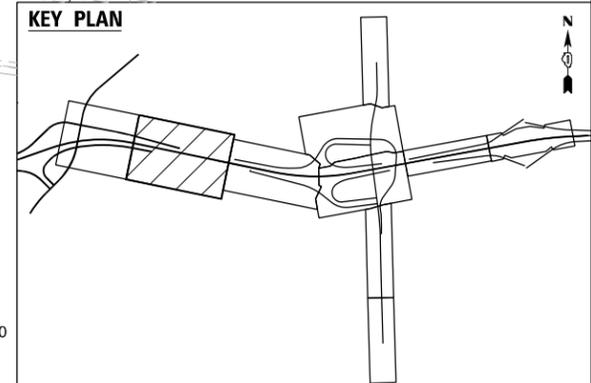
SCALE: 1"=20' SHEET 6 OF 41 SHEETS STA. 231+00 TO STA. 233+22.58

F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 546
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R23	

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- NOTES**
- CONDUIT SHALL ENTER THE EXISTING VAULT FROM THE UNDERSIDE OF THE VAULT. NO DRILLING SHALL BE ALLOWED.
 - FOR I-80 WB AT WEST APPROACH SLAB/ABUTMENT TRANSITION DETAILS, SEE SHEET 559.
 - FOR I-80 EB AT WEST APPROACH SLAB/ABUTMENT TRANSITION DETAILS, SEE SHEET 560.
 - FOR JUNCTION BOX AND CONDUIT AT'S RISER DETAIL AT I-80 WB PIER 1, SEE SHEET 566.
 - SEE US 6 MOVEABLE BRIDGES FIBER INSTALLATION PLANS.
 - FOR ADDITIONAL DETAILS, SEE SHEET 577.
 - FOR CLOSED CIRCUIT TELEVISION CABINET MOUNTING DETAIL SEE SHEET 576.
 - FOR DETAIL OF THIS AREA SEE SHEET 575.



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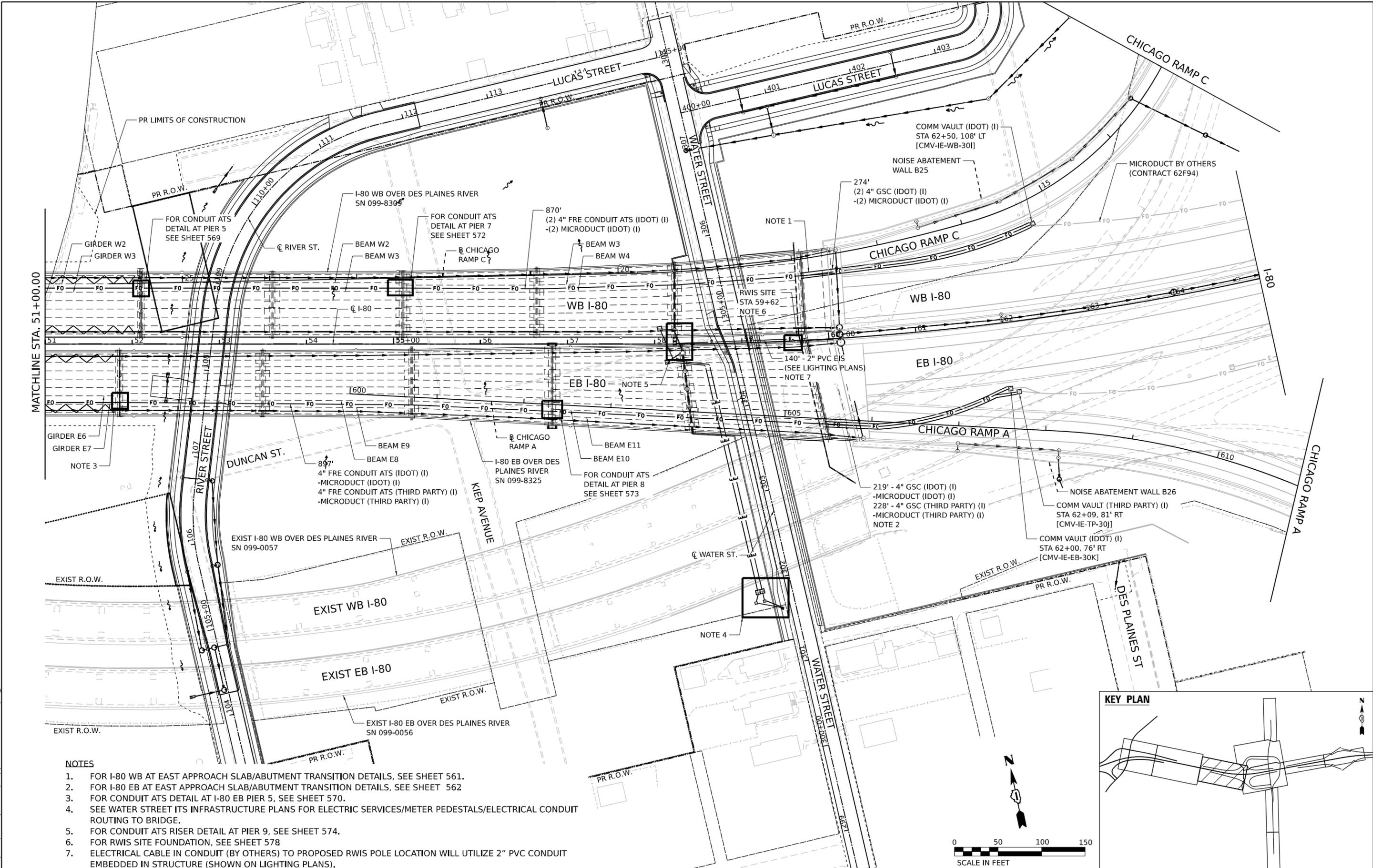
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE PLAN
I-80**

SCALE: 1" = 50' SHEET 7 OF 41 SHEETS STA. 36+00 TO STA. 51+00

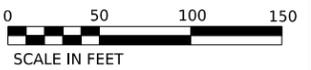
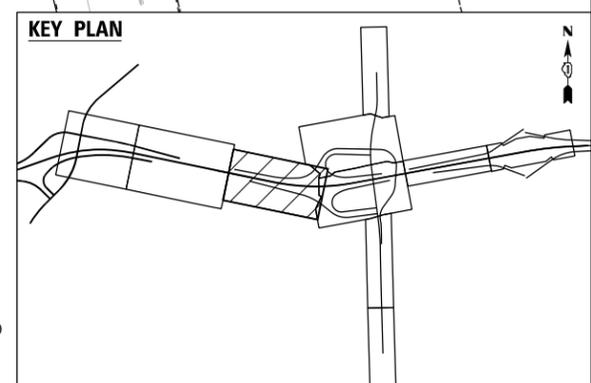
F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 547
CONTRACT NO. 62R23			ILLINOIS FED. AID PROJECT	

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MATCHLINE STA. 51+00.00

- NOTES**
- FOR I-80 WB AT EAST APPROACH SLAB/ABUTMENT TRANSITION DETAILS, SEE SHEET 561.
 - FOR I-80 EB AT EAST APPROACH SLAB/ABUTMENT TRANSITION DETAILS, SEE SHEET 562
 - FOR CONDUIT ATS DETAIL AT I-80 EB PIER 5, SEE SHEET 570.
 - SEE WATER STREET ITS INFRASTRUCTURE PLANS FOR ELECTRIC SERVICES/METER PEDESTALS/ELECTRICAL CONDUIT ROUTING TO BRIDGE.
 - FOR CONDUIT ATS RISER DETAIL AT PIER 9, SEE SHEET 574.
 - FOR RWIS SITE FOUNDATION, SEE SHEET 578
 - ELECTRICAL CABLE IN CONDUIT (BY OTHERS) TO PROPOSED RWIS POLE LOCATION WILL UTILIZE 2" PVC CONDUIT EMBEDDED IN STRUCTURE (SHOWN ON LIGHTING PLANS).



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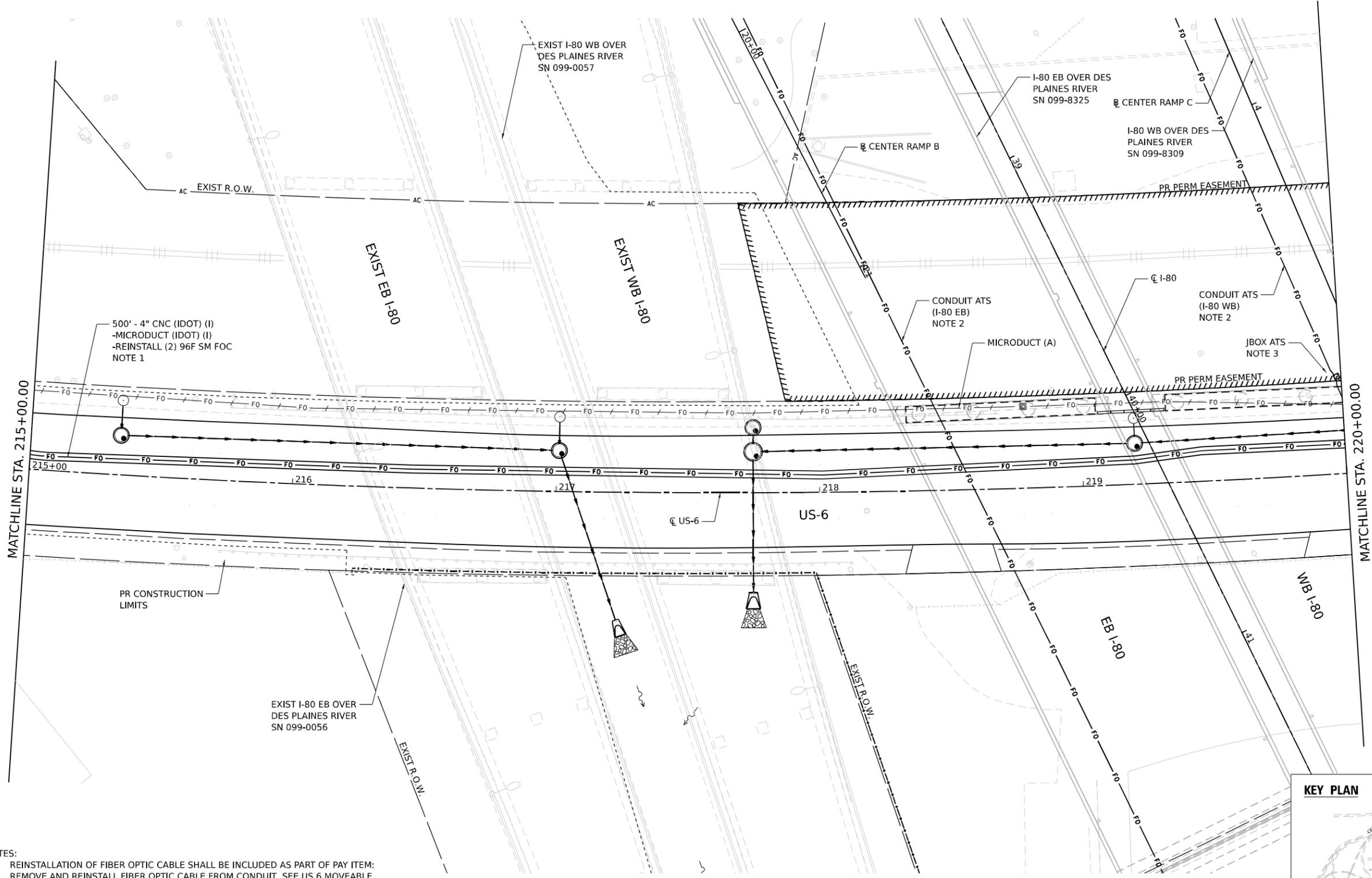
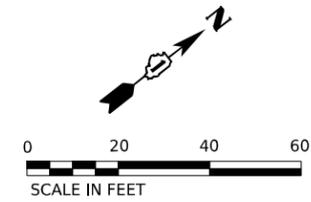


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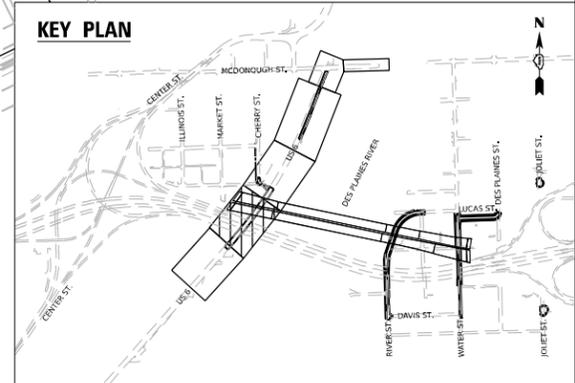
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS INFRASTRUCTURE PLAN	
I-80	
SCALE: 1" = 50'	SHEET 8 OF 41 SHEETS STA. 51+00 TO STA. 65+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	548
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



- NOTES:
- REINSTALLATION OF FIBER OPTIC CABLE SHALL BE INCLUDED AS PART OF PAY ITEM: REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT. SEE US 6 MOVEABLE BRIDGES FIBER REMOVAL PLAN FOR REMOVAL OF FIBER OPTIC CABLE.
 - SEE I-80 ITS INFRASTRUCTURE PLANS FOR I-80 CONDUIT ATTACHED TO STRUCTURE.
 - SEE I-80 ITS INFRASTRUCTURE PLANS FOR JUNCTION BOX ATTACHED TO STRUCTURE LOCATION. CONDUIT ATTACHED TO STRUCTURE SHALL RUN FROM THIS JUNCTION BOX DOWN PIER 1 TO BELOW GRADE AND TRANSITION TO 2" CNC TO PROPOSED HANDHOLE AT US 6 STA 221+79. THIS CONDUIT PATH WILL PROVIDE FOR A CONNECTION BETWEEN FUTURE I-80 BACKBONE FIBER (INSTALLED BY OTHERS) AND EXISTING US 6 FIBER.



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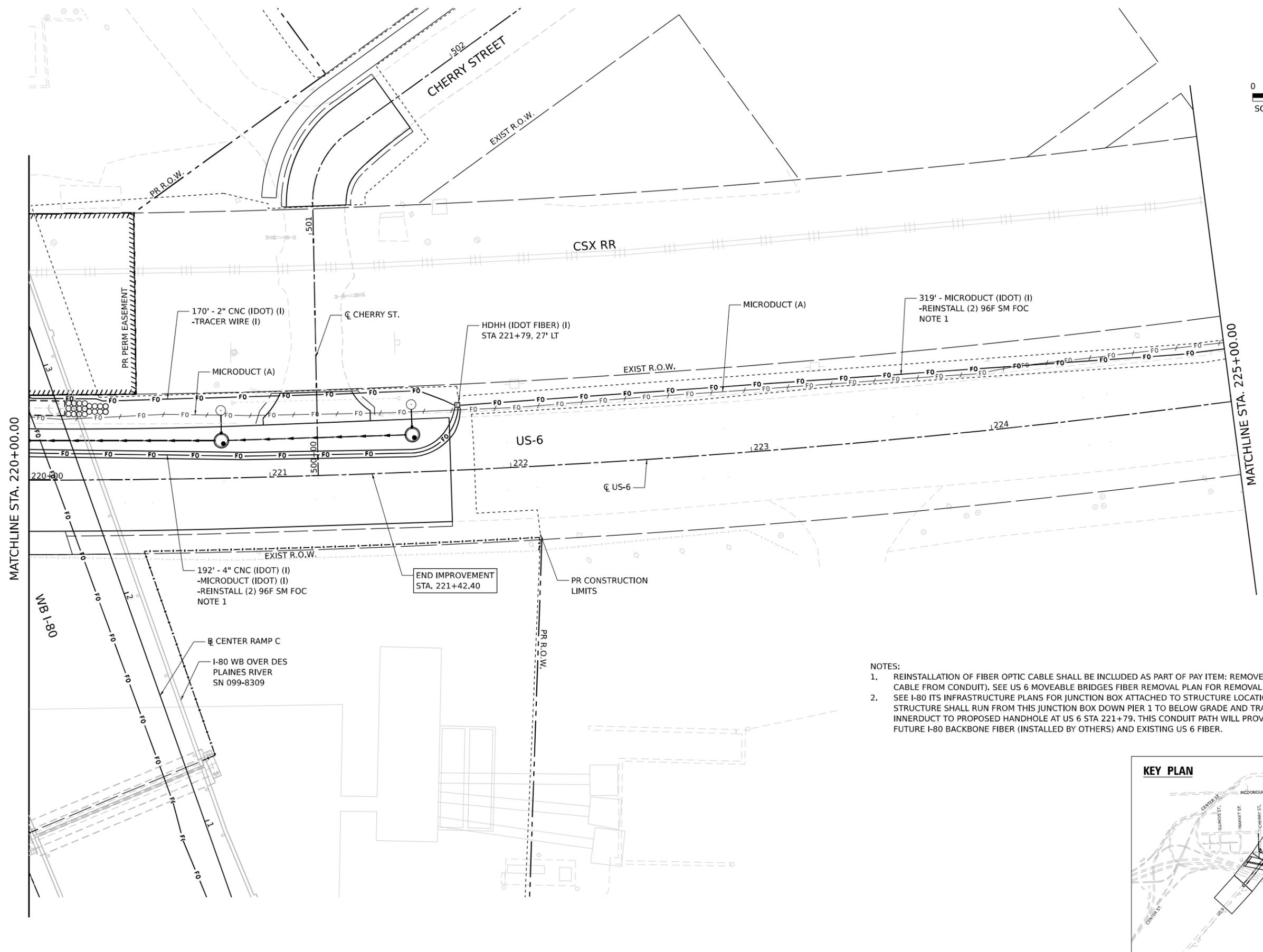
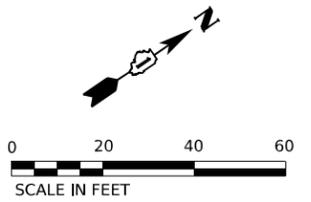


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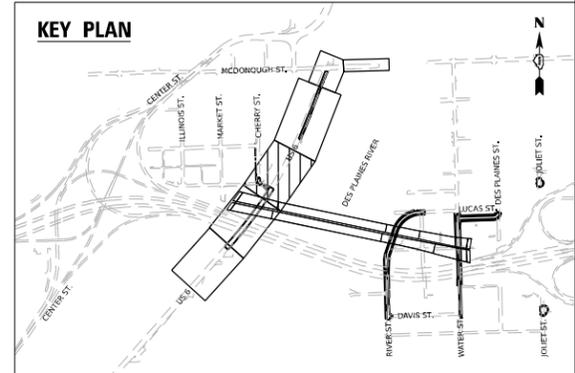
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MOVEABLE BRIDGES FIBER INSTALLATION PLAN			
US-6			
SCALE: 1"=20'	SHEET 10 OF 41 SHEETS	STA. 215+00 TO STA. 220+00	

F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 550
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. REINSTALLATION OF FIBER OPTIC CABLE SHALL BE INCLUDED AS PART OF PAY ITEM: REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT). SEE US 6 MOVEABLE BRIDGES FIBER REMOVAL PLAN FOR REMOVAL OF FIBER OPTIC CABLE.
 2. SEE I-80 ITS INFRASTRUCTURE PLANS FOR JUNCTION BOX ATTACHED TO STRUCTURE LOCATION. CONDUIT ATTACHED TO STRUCTURE SHALL RUN FROM THIS JUNCTION BOX DOWN PIER 1 TO BELOW GRADE AND TRANSITION TO 1-1/4" UNDERGROUND INNERDUCT TO PROPOSED HANDHOLE AT US 6 STA 221+79. THIS CONDUIT PATH WILL PROVIDE FOR A CONNECTION BETWEEN FUTURE I-80 BACKBONE FIBER (INSTALLED BY OTHERS) AND EXISTING US 6 FIBER.



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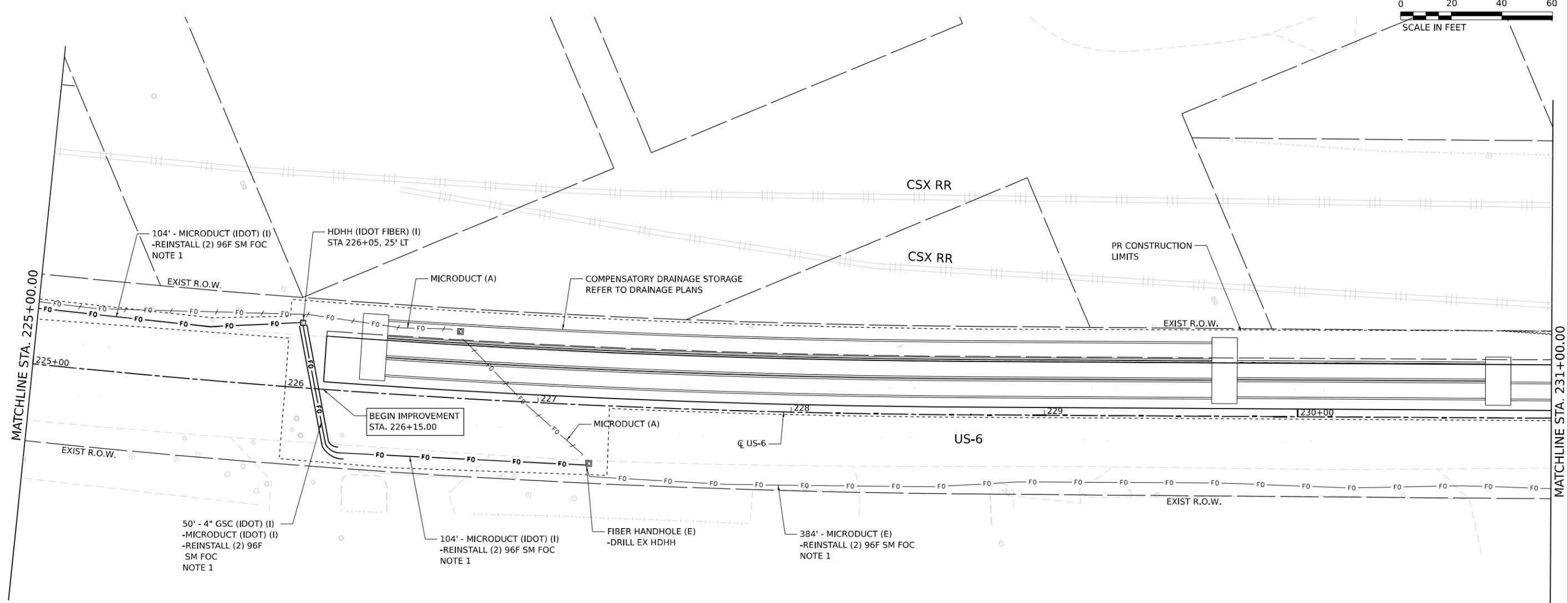
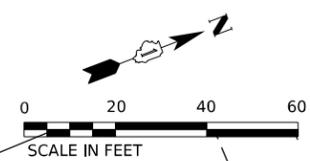


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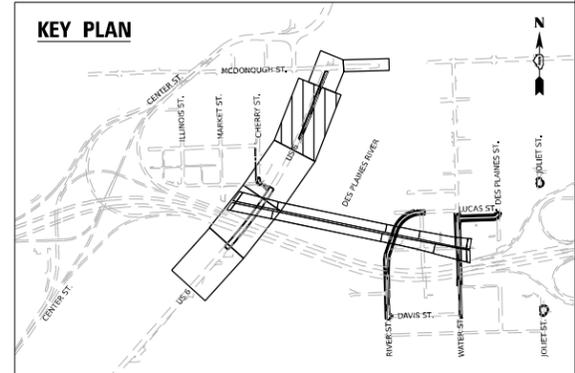
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOVEABLE BRIDGES FIBER INSTALLATION PLAN US-6		
SCALE: 1"=20'	SHEET 11 OF 41 SHEETS	STA. 220+00 TO STA. 225+00

F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 551
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



NOTES:
 1. REINSTALLATION OF FIBER OPTIC CABLE SHALL BE INCLUDED AS PART OF PAY ITEM; REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT. SEE US 6 MOVEABLE BRIDGES FIBER REMOVAL PLAN FOR REMOVAL OF FIBER OPTIC CABLE.



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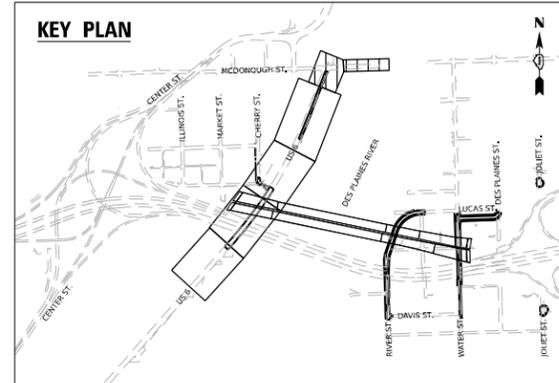
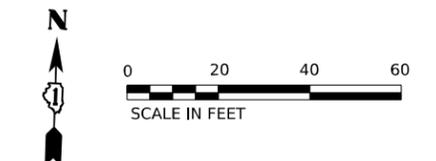
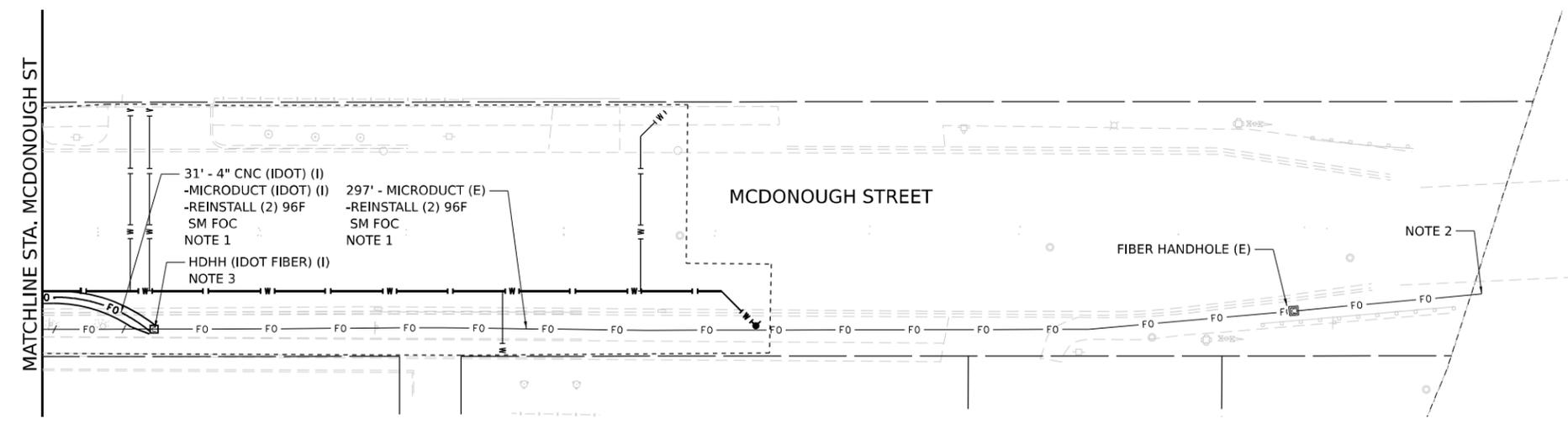
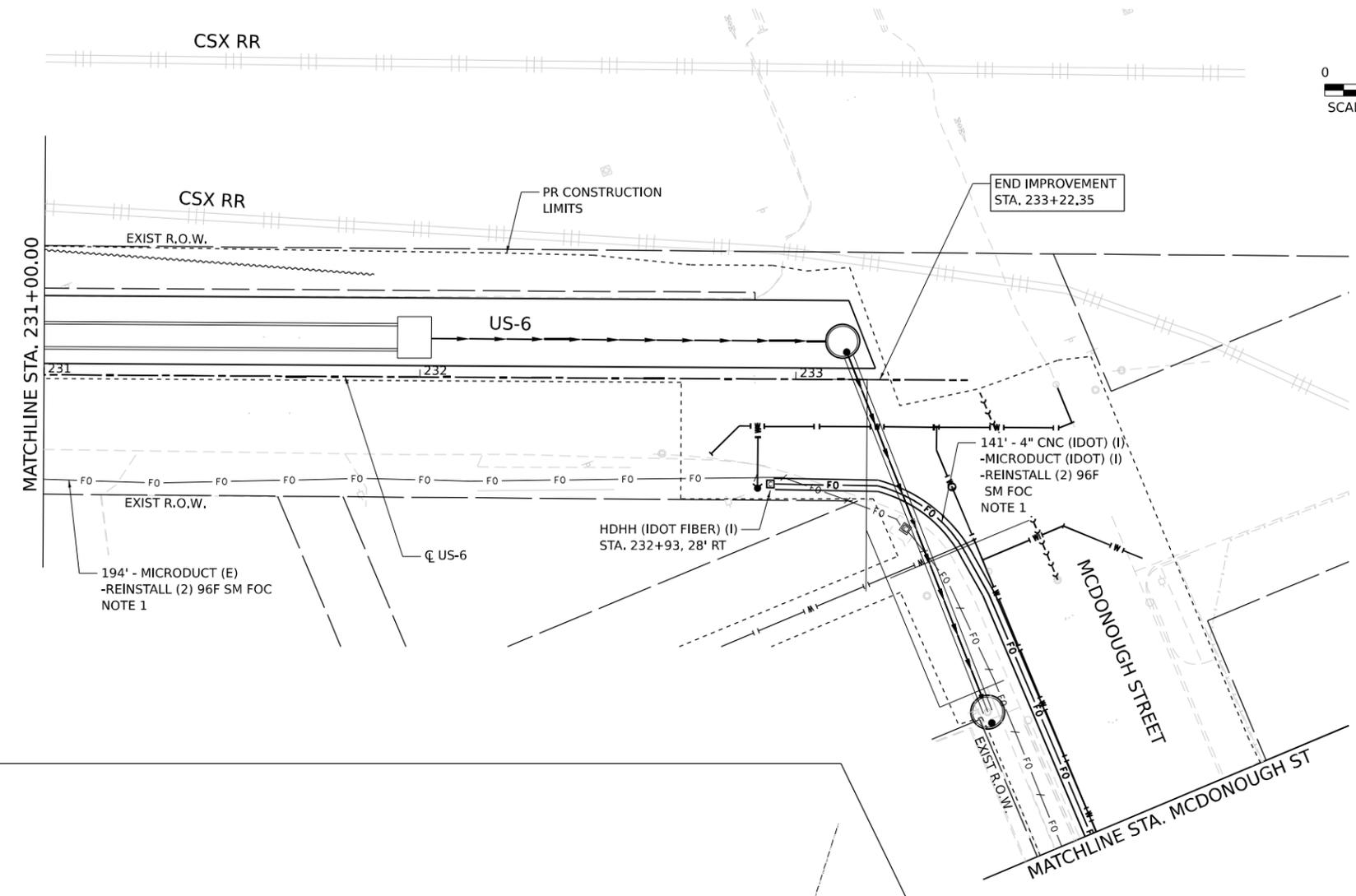
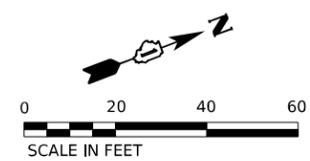
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MOVEABLE BRIDGES FIBER INSTALLATION PLAN
 US-6**

SCALE: 1"=20' SHEET 12 OF 41 SHEETS STA. 225+00 TO STA. 231+00

F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 552
CONTRACT NO. 62R23			ILLINOIS FED. AID PROJECT	



- NOTES:
- REINSTALLATION OF FIBER OPTIC CABLE SHALL BE INCLUDED AS PART OF PAY ITEM: REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT). SEE US 6 MOVEABLE BRIDGES FIBER REMOVAL PLAN FOR REMOVAL OF FIBER OPTIC CABLE.
 - FIBER OPTIC CABLE SHALL BE RE-SPLICED OR RE-TERMINATED AT MCDONOUGH STREET MOVEABLE BRIDGE TO MATCH PRE-REMOVAL FIBER ASSIGNMENTS.

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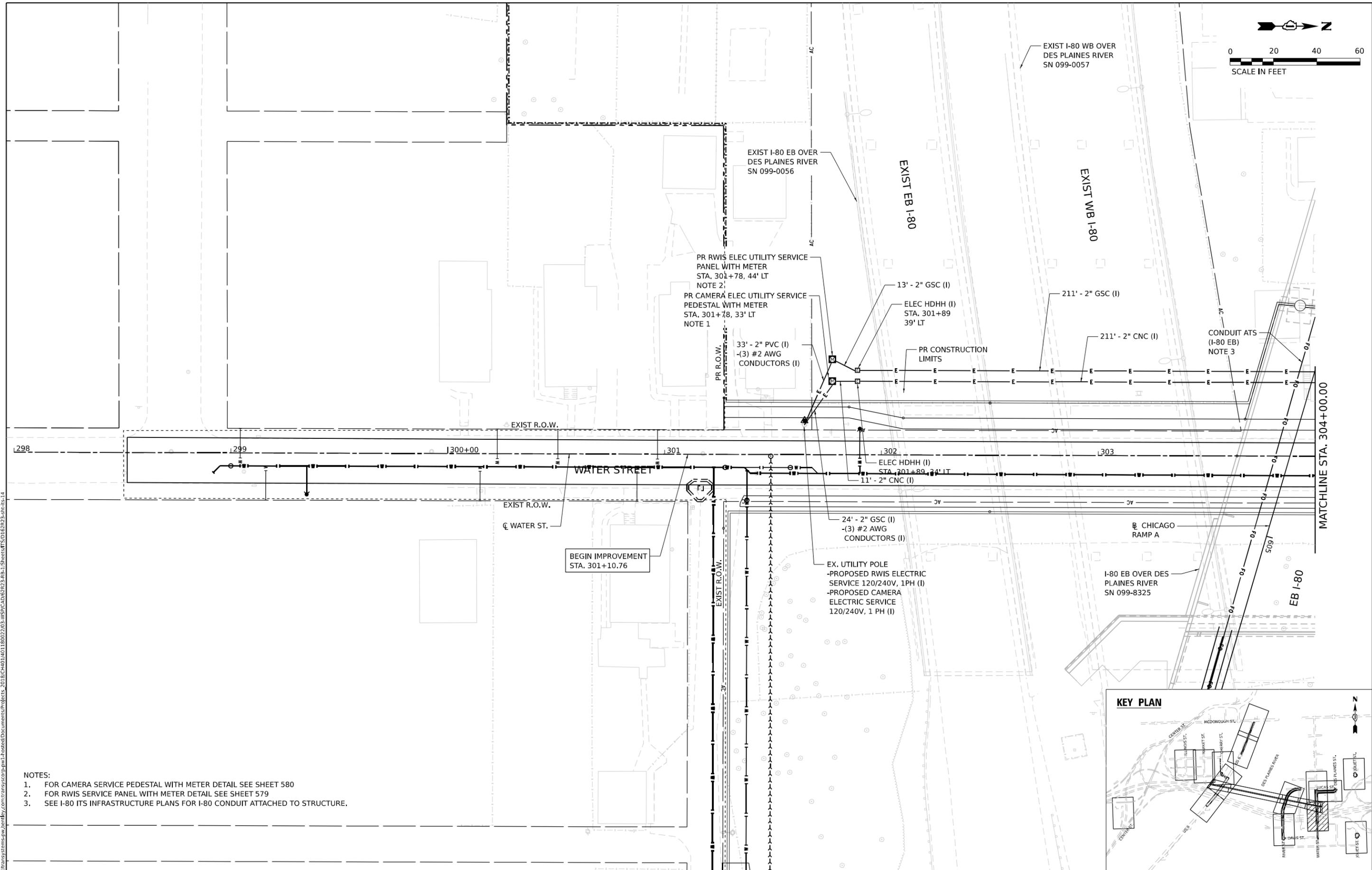
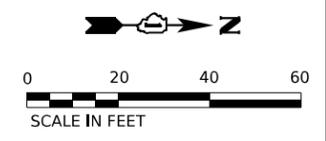


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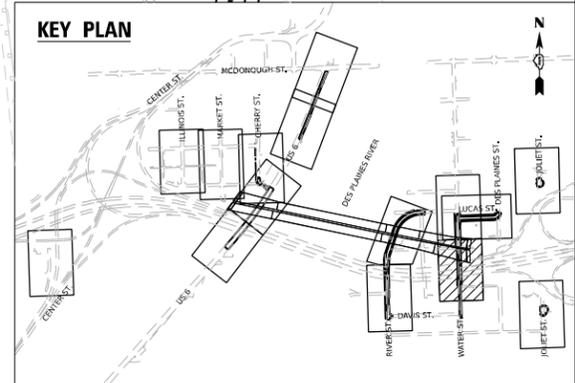
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MOVEABLE BRIDGES FIBER INSTALLATION PLAN		
US-6		
SCALE: 1"=20'	SHEET 13 OF 41 SHEETS	STA. 231+00 TO STA. 233+22.35

F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 553
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. FOR CAMERA SERVICE PEDESTAL WITH METER DETAIL SEE SHEET 580
 2. FOR RWIS SERVICE PANEL WITH METER DETAIL SEE SHEET 579
 3. SEE I-80 ITS INFRASTRUCTURE PLANS FOR I-80 CONDUIT ATTACHED TO STRUCTURE.



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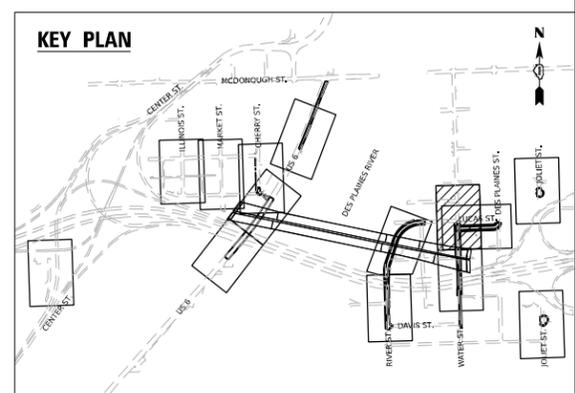
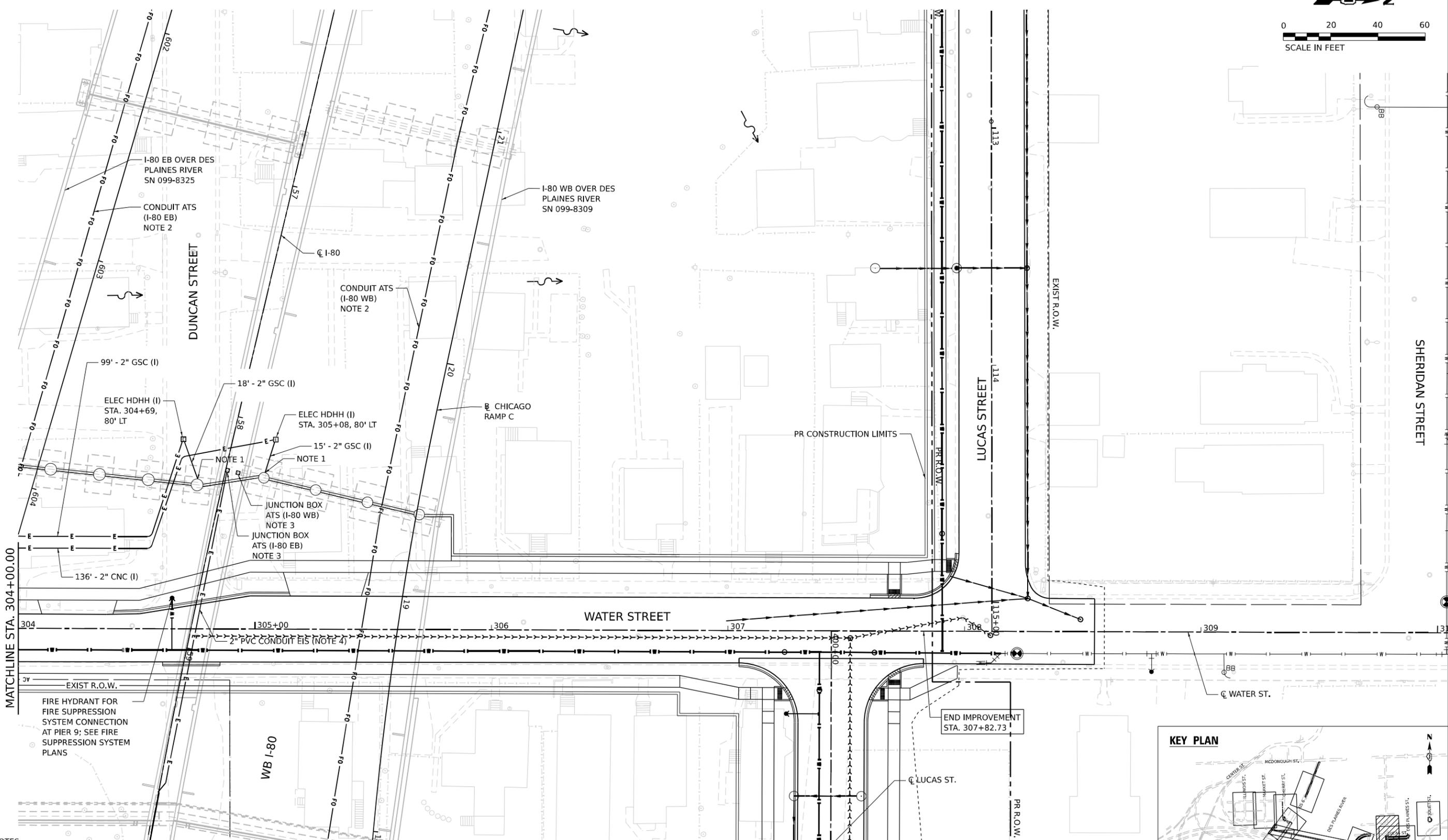
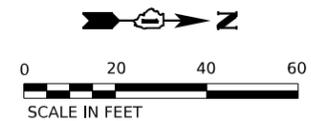


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS INFRASTRUCTURE PLAN WATER STREET	
SCALE: 1"=20'	TO STA.
SHEET 14	OF 41 SHEETS

F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 554
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. TRANSITION GSC TO FRE CONDUIT ATTACHED TO STRUCTURE UP PIER 9. COORDINATE CONDUIT WITH FIRE SUPPRESSION CONNECTION AT PIER 9. FOR PIER RISER DETAILS, SEE SHEET 574
 2. SEE I-80 ITS INFRASTRUCTURE PLANS FOR I-80 CONDUIT ATTACHED TO STRUCTURE.
 3. JUNCTION BOX IS ASSOCIATED WITH SPARE 2" PVC CONDUIT EMBEDDED IN STRUCTURE AS SHOWN ON LIGHTING PLANS.
 4. REFER TO LIGHTING PLANS FOR 2" PVC CONDUIT EMBEDDED IN STRUCTURE.

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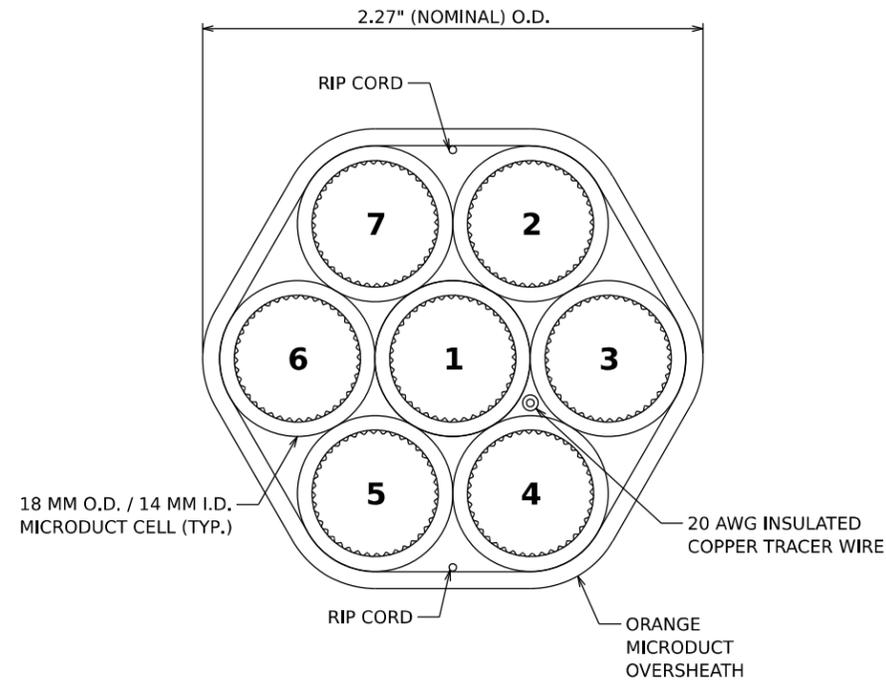


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PLOT SCALE = 40,000' / in.	DRAWN - DJM	REVISED -
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	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS INFRASTRUCTURE PLAN WATER STREET			
SCALE: 1"=20'	SHEET 15	OF 41 SHEETS	STA. TO STA.

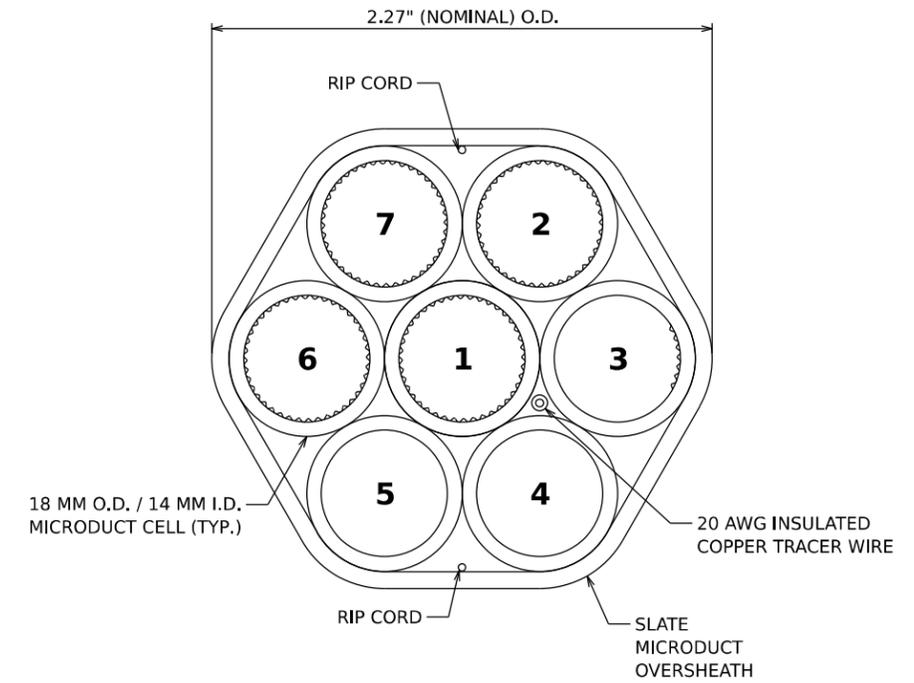
F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 555
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



IDOT MICRODUCT DETAIL

CELL NO.	CELL COLOR	I-80 CELL ALLOCATION	US 6 CELL ALLOCATION
1	BLUE	FUTURE 144 IDOT (TCF)	96 IDOT (TCF)
2	ORANGE	FUTURE 144 IDOT (DCF)	96 IDOT (DCF)
3	GREEN	SPARE	SPARE
4	BROWN	SPARE	SPARE
5	GREY	SPARE	SPARE
6	WHITE	SPARE	SPARE
7	RED	SPARE	SPARE

IDOT MICRODUCT CELL INFORMATION

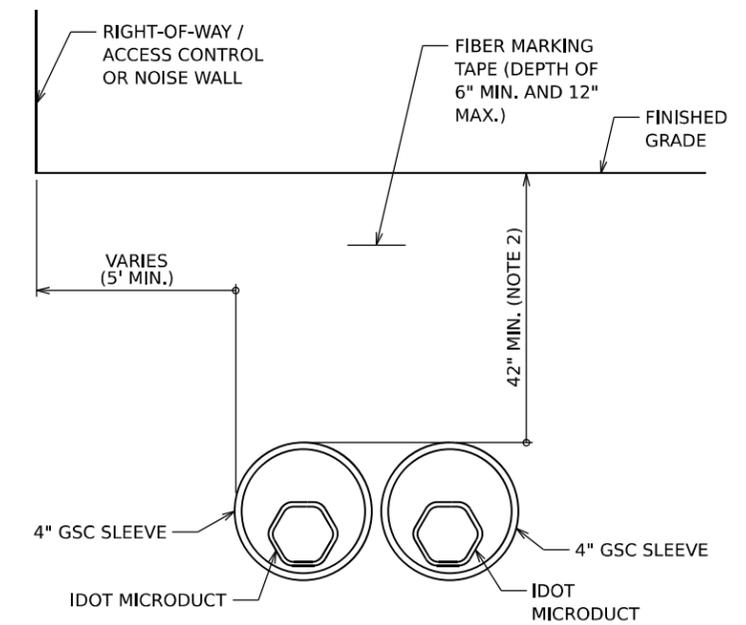


THIRD PARTY MICRODUCT DETAIL

CELL NO.	CELL COLOR	CELL ALLOCATION
1	BLUE	FUTURE 144 THIRD PARTY
2	ORANGE	SPARE
3	GREEN	SPARE
4	BROWN	SPARE
5	GREY	SPARE
6	WHITE	SPARE
7	RED	SPARE

THIRD PARTY MICRODUCT CELL INFORMATION

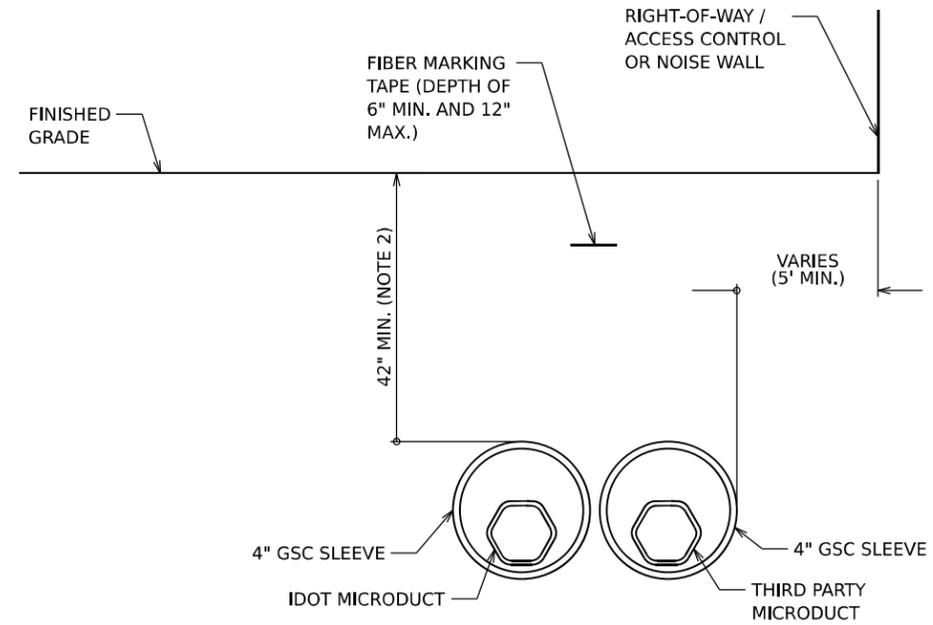
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**I-80 WESTBOUND
TYPICAL UNDERGROUND CONDUIT SECTION**

NOTES

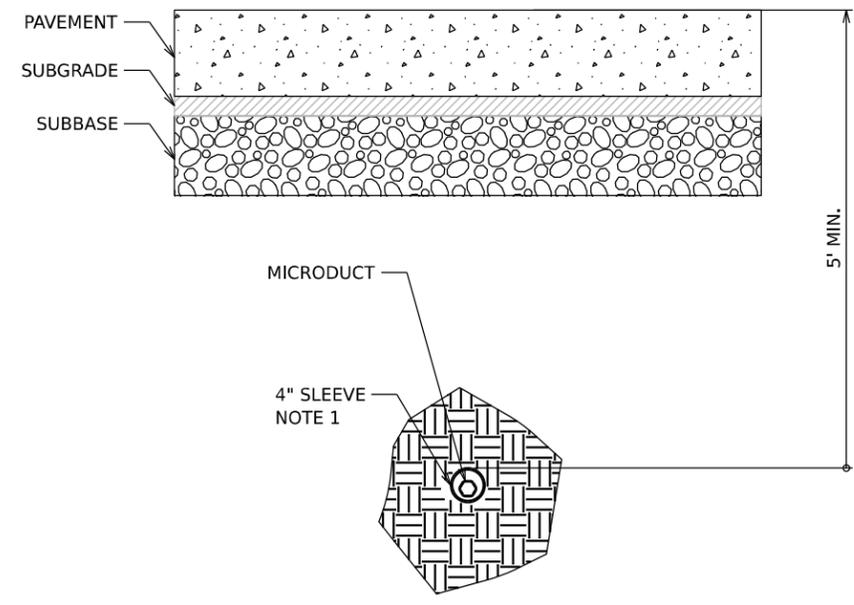
- GREATER DEPTH MAY BE REQUIRED IN CERTAIN SITUATIONS, INCLUDING, BUT NOT LIMITED TO: ENTERING HANDHOLES/VAULTS, UTILITY AVOIDANCE, CROSSING BENEATH BOX CULVERTS.



**I-80 EASTBOUND
TYPICAL UNDERGROUND CONDUIT SECTION**

NOTES

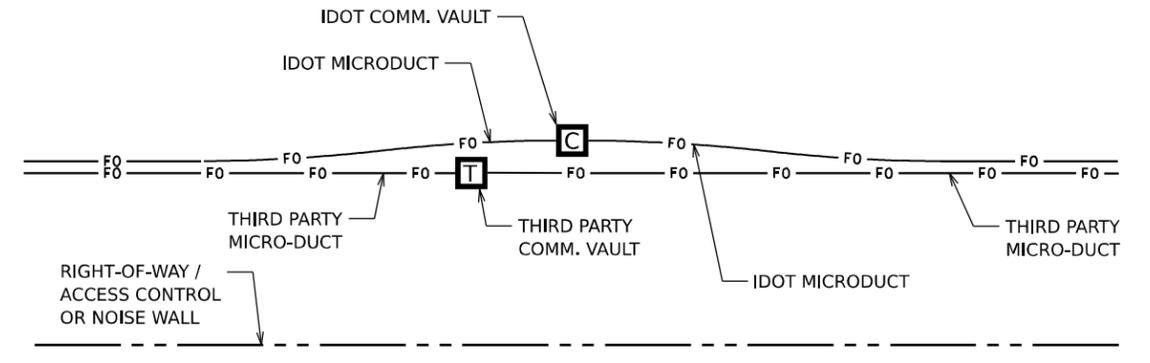
- GREATER DEPTH MAY BE REQUIRED IN CERTAIN SITUATIONS, INCLUDING, BUT NOT LIMITED TO: ENTERING HANDHOLES/VAULTS, UTILITY AVOIDANCE, CROSSING BENEATH BOX CULVERTS.



CONDUIT UNDER ROADWAY OR PAVED SHOULDER

NOTES

- REFER TO ITS INFRASTRUCTURE PLANS FOR TYPE OF 4" SLEEVE.



TYPICAL CONDUIT ROUTING AT HANDHOLES

NOTES

- IDOT MICRODUCT SHALL ENTER IDOT COMMUNICATIONS VAULTS ONLY.
- THIRD PARTY MICRODUCT SHALL ENTER THIRD PARTY COMMUNICATIONS VAULTS ONLY.

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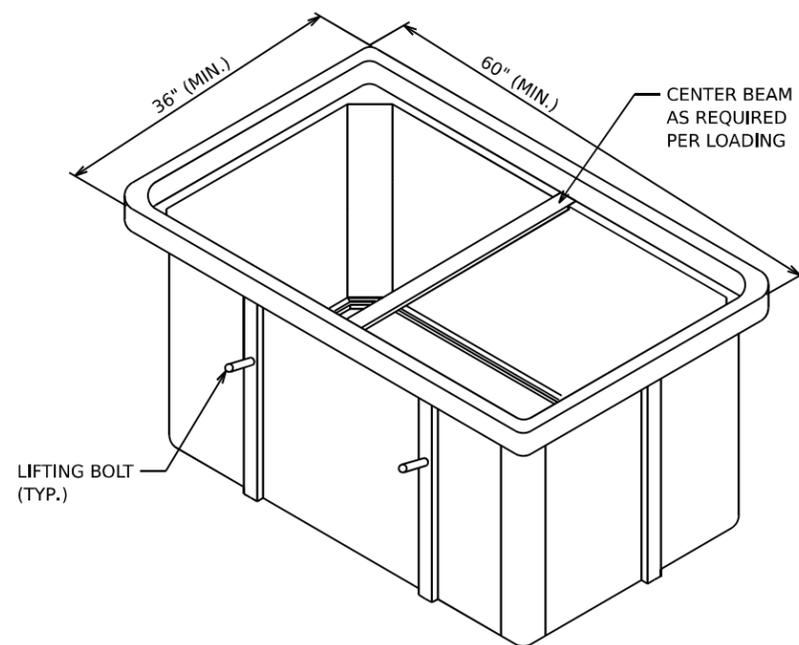
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

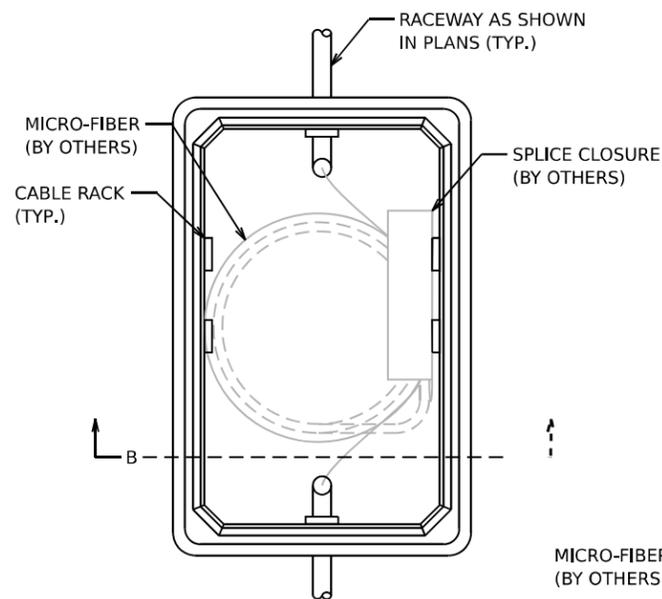
**ITS INFRASTRUCTURE DETAILS
TYPICAL CONDUIT ROUTING**

SCALE: NTS SHEET 17 OF 41 SHEETS STA. TO STA.

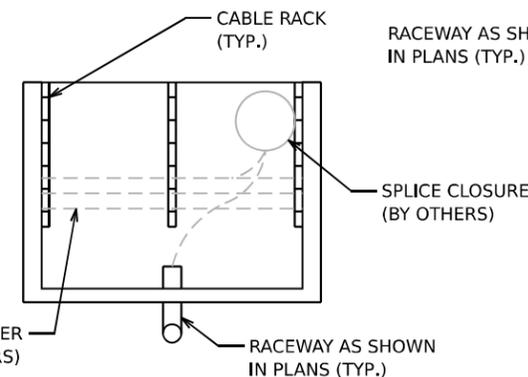
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	557
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



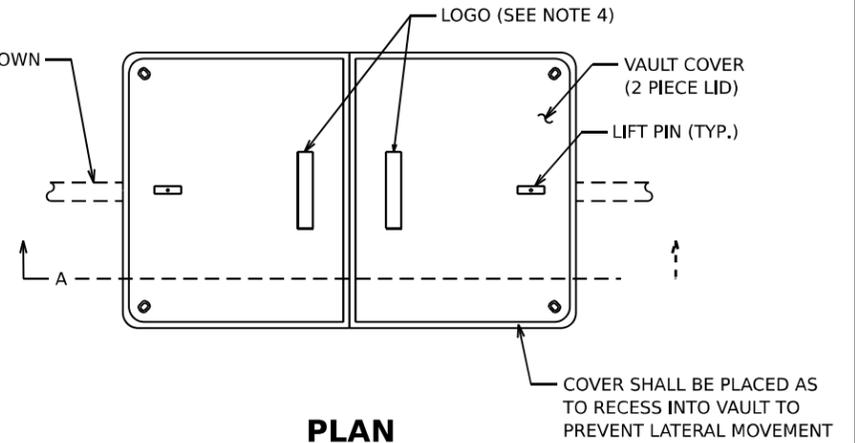
**VAULT BOX
ISOMETRIC VIEW**



TOP VIEW



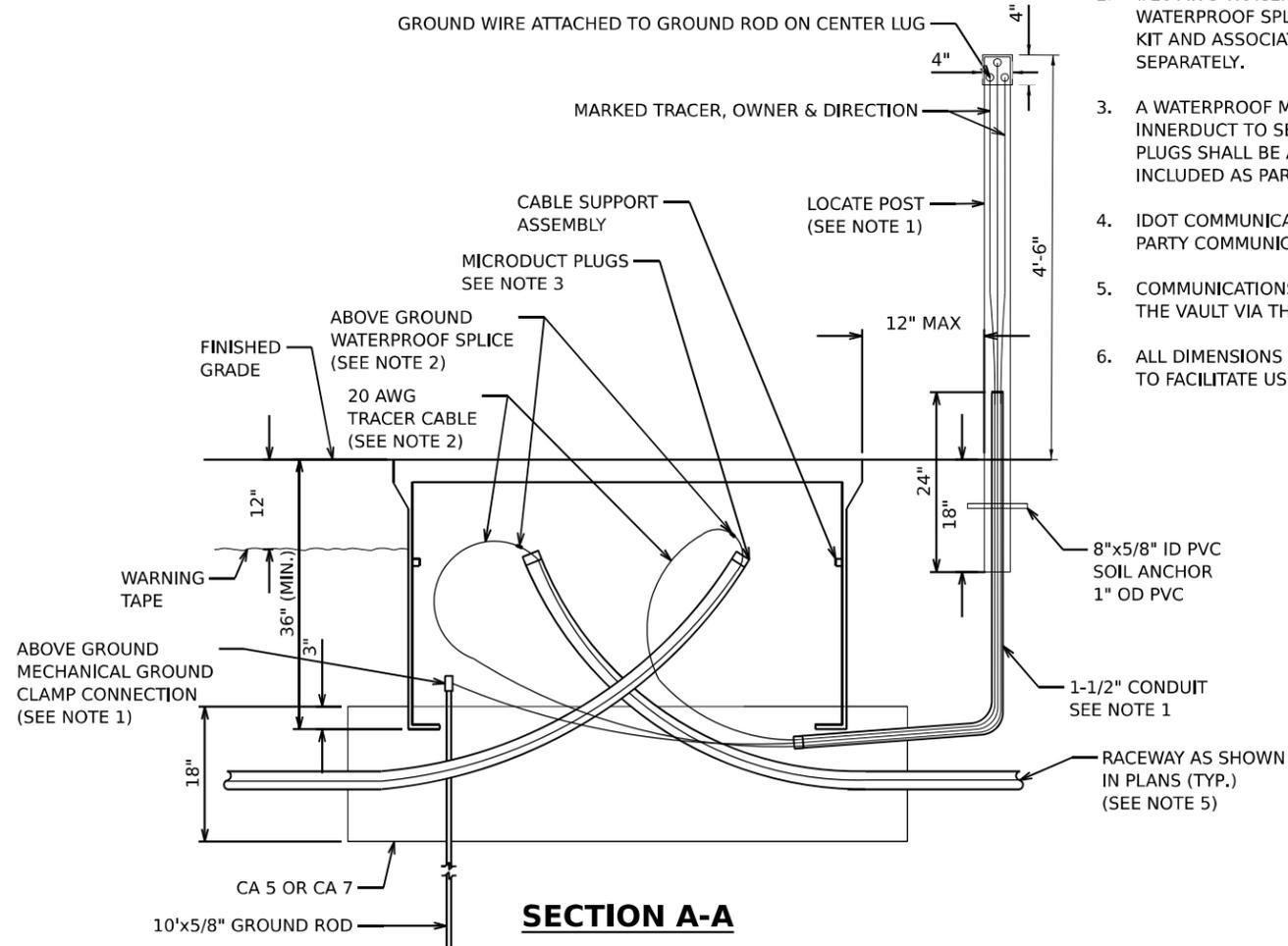
SECTION B-B



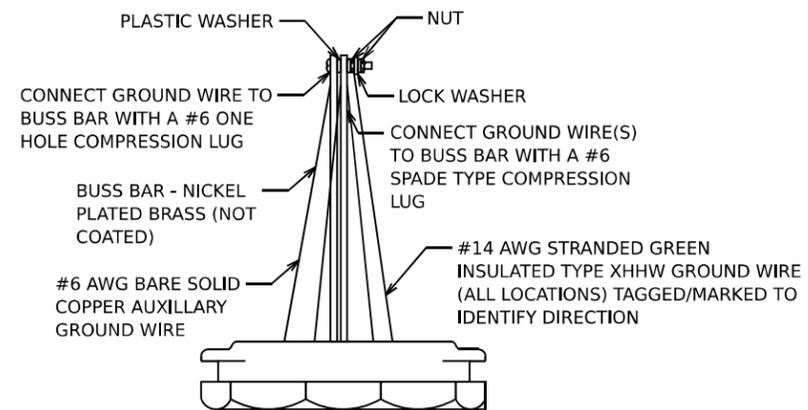
PLAN

NOTES:

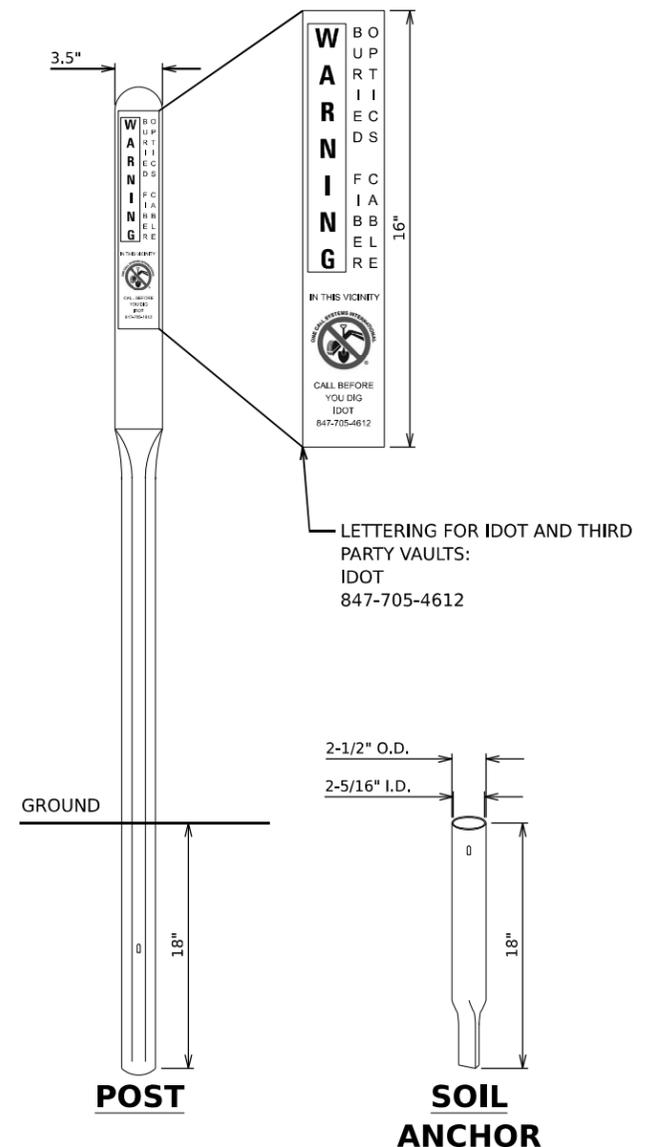
- GROUND ROD, 1-1/2" CONDUIT, #6 AWG GROUND WIRE, LOCATE POST AND ASSOCIATED WORK ARE INCLUDED AS PART OF COMMUNICATIONS VAULT AND WILL NOT BE PAID FOR SEPARATELY. ALL MATERIALS FOR MECHANICAL CONNECTION SHALL BE UL LISTED AND INSTALLED PER NEC ARTICLE 250.
- #20 AWG TRACER CABLE SHALL BE SPLICED TO THE #20 AWG TRACER CABLE IN THE MICRODUCT USING A WATERPROOF SPLICE KIT AS RECOMENDED BY THE MICRODUCT MANUFACTURER. THE #20 AWG WIRE, SPLICE KIT AND ASSOCIATED WORK ARE INCLUDED AS PART OF COMMUNICATIONS VAULT AND WILL NOT BE PAID FOR SEPARATELY.
- A WATERPROOF MICRODUCT PLUG(S) OR INNERDUCT PLUG SHALL BE INSTALLED AROUND EACH MICRODUCT OR INNERDUCT TO SEAL AROUND THE DUCT FOR ALL MICRODUCTS OR INNERDUCTS COMING INTO THE VAULT. THE PLUGS SHALL BE APPROPRIATELY SIZED AND INSTALLED AS RECOMMENDED BY THE MANUFACTURER AND IS INCLUDED AS PART OF THE MICRODUCT OR INNERDUCT PAY ITEM AND WILL NOT BE PAID SEPARATELY.
- IDOT COMMUNICATIONS VAULTS SHALL HAVE A PERMANENTLY RECESSED LOGO THAT READS "IDOT" AND THIRD PARTY COMMUNICATIONS VAULTS SHALL HAVE A PERMANENTLY RECESSED LOGO THAT READS "IDOT - DoIT".
- COMMUNICATIONS VAULT SHALL HAVE AN OPEN BASE. ALL CONDUITS AS SHOWN ON THE PLANS SHALL ENTER THE VAULT VIA THE OPEN BASE.
- ALL DIMENSIONS ARE MINIMUM AND A LARGER SIZE VAULT MAY BE USED, WITH THE APPROVAL OF THE ENGINEER, TO FACILITATE USING A MANUFACTURER'S STANDARD PRODUCT.



SECTION A-A



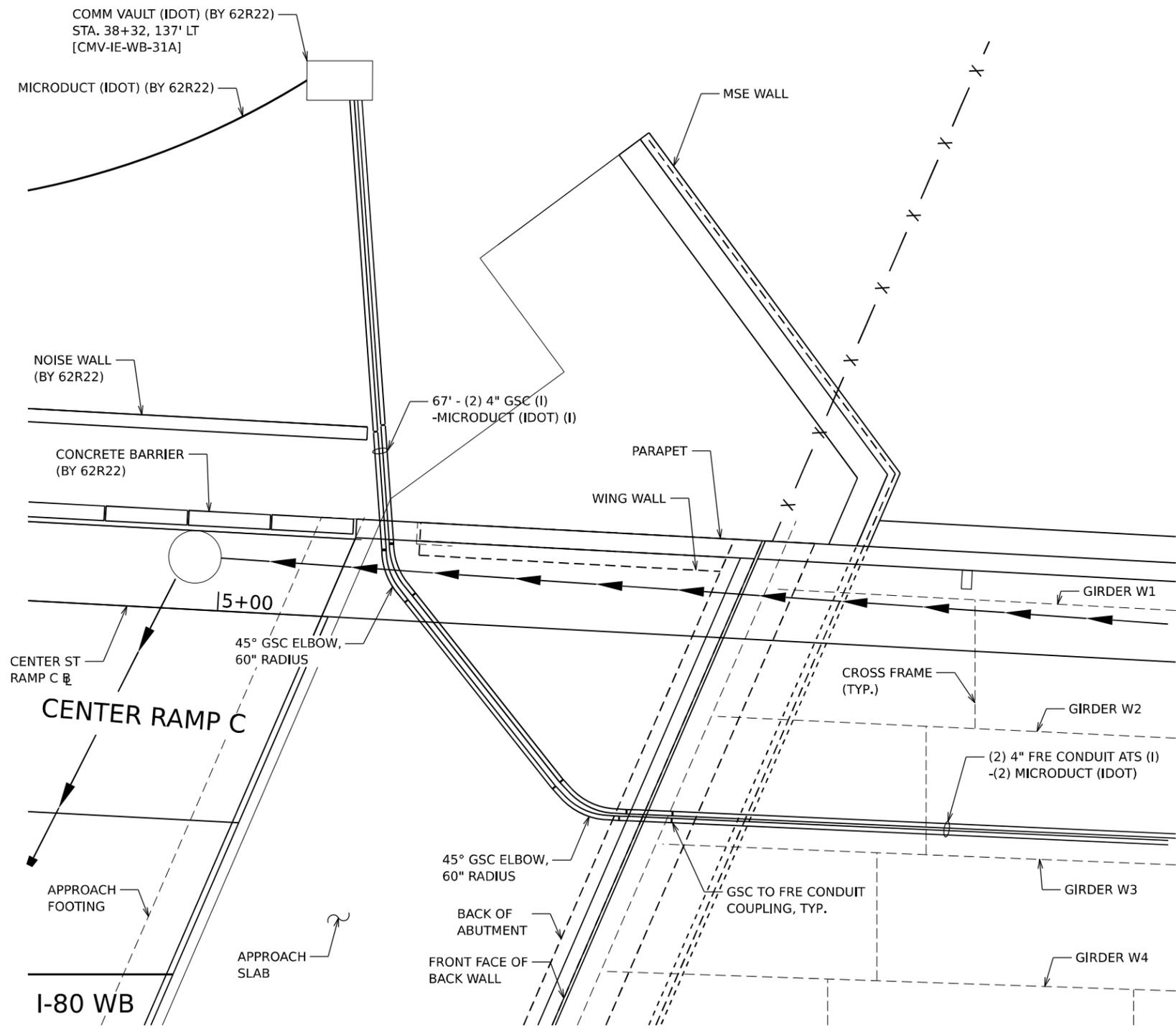
**LOCATE POST TOP HAT BOND PLATE
N.T.S.**



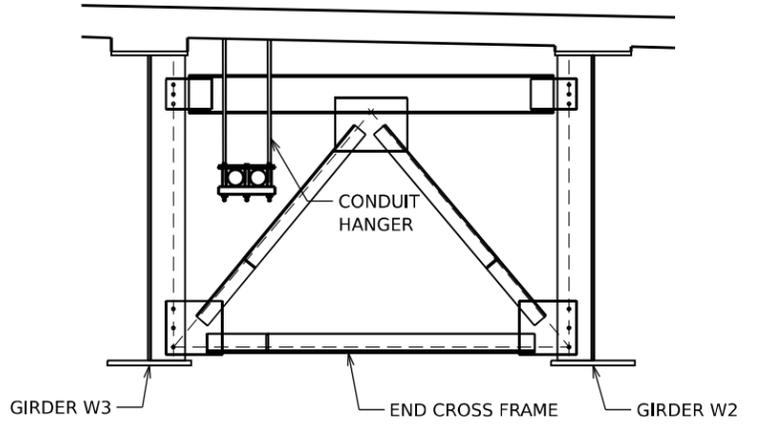
POST

SOIL ANCHOR

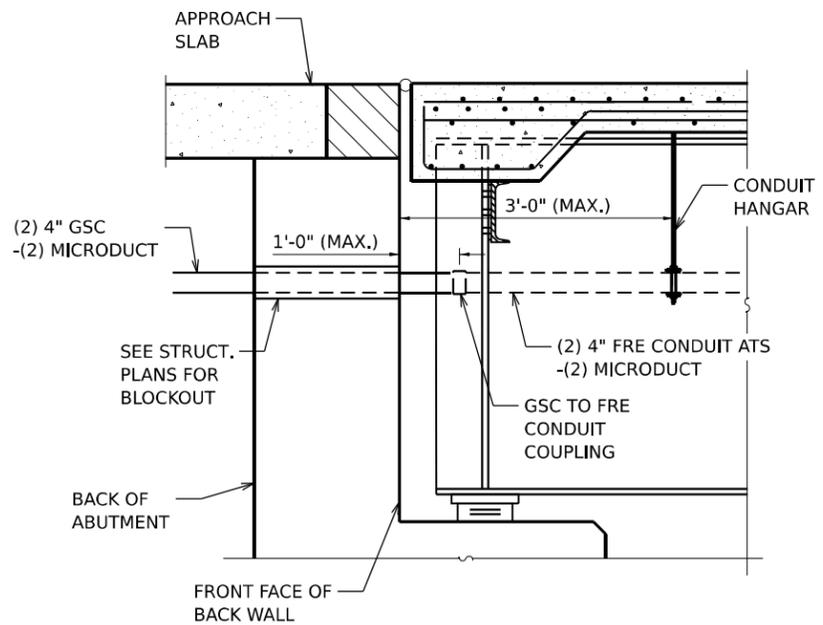
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ITS INFRASTRUCTURE DETAIL
I-80 WB AT WEST APPROACH SLAB PLAN
 N.T.S.



ITS CONDUIT ATS DETAIL
SECTION VIEW I-80 WB AT W.
ABUTMENT END CROSS FRAME
 N.T.S.



ITS INFRASTRUCTURE DETAIL
I-80 WB WEST ABUTMENT ELEVATION
 N.T.S.

NOTES
 1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

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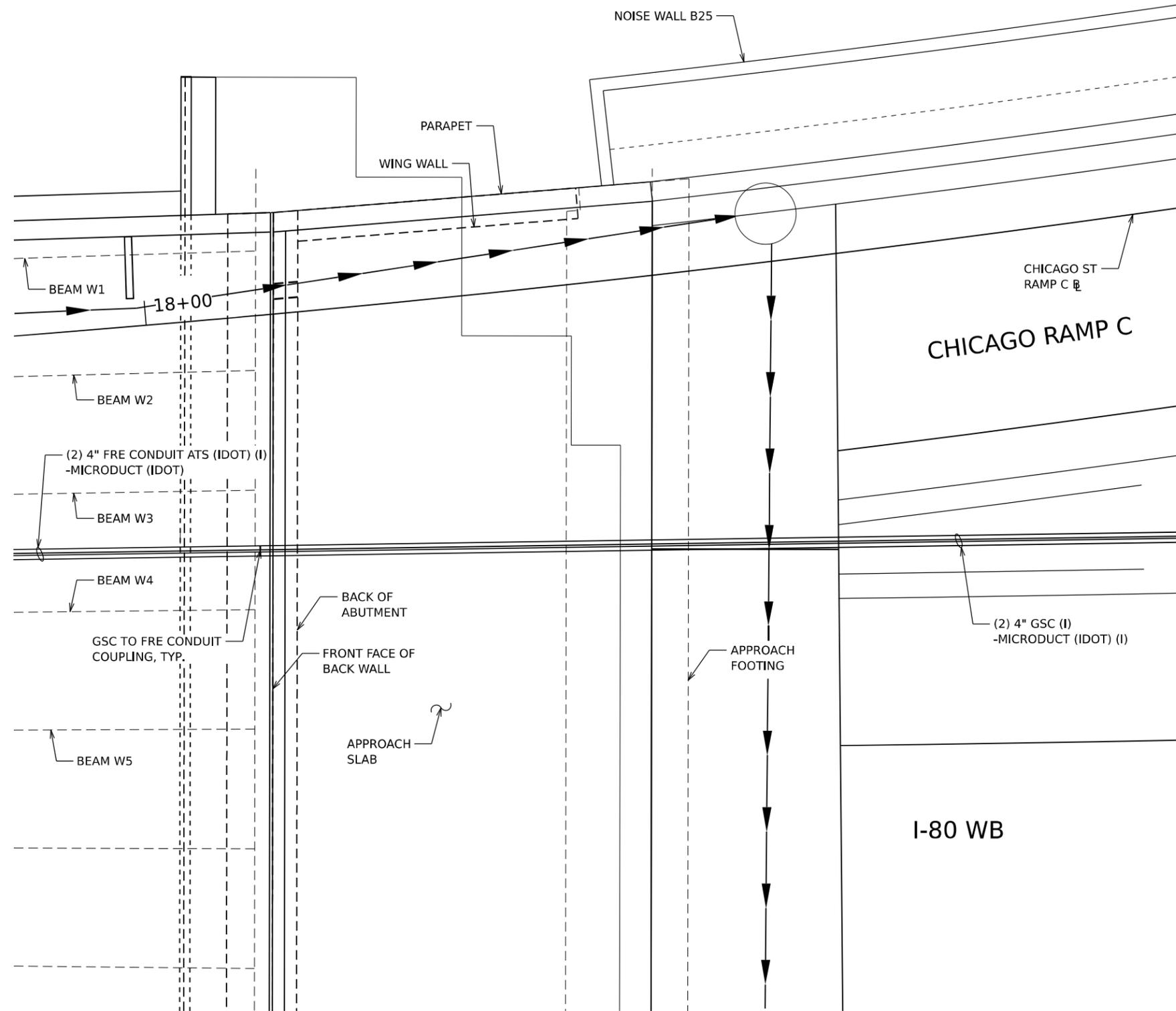


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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS INFRASTRUCTURE DETAILS	
CONDUIT ATTACHED TO STRUCTURE	
SCALE: NTS	SHEET 19 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	559
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

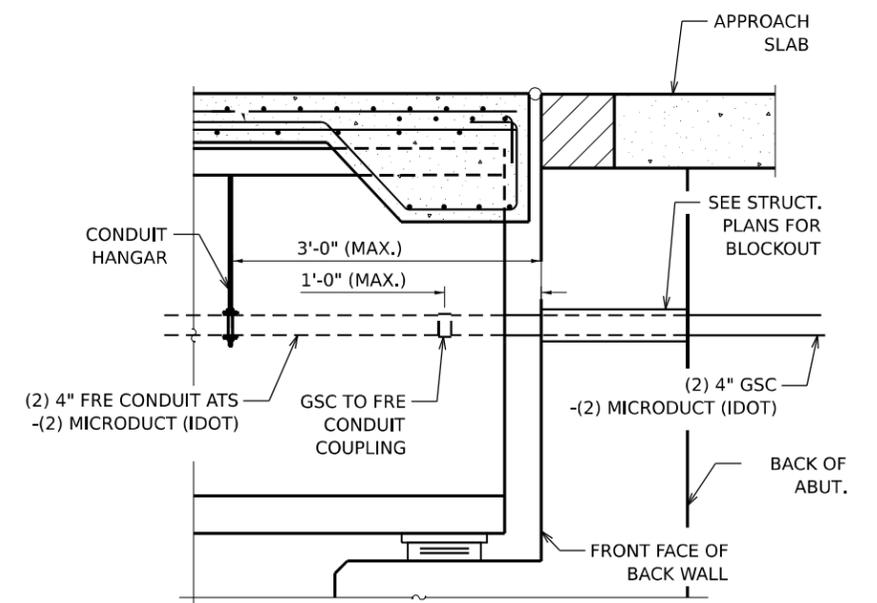


ITS INFRASTRUCTURE DETAIL
I-80 WB AT EAST APPROACH SLAB PLAN

N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.



ITS INFRASTRUCTURE DETAIL
I-80 WB EAST ABUTMENT ELEVATION

N.T.S.

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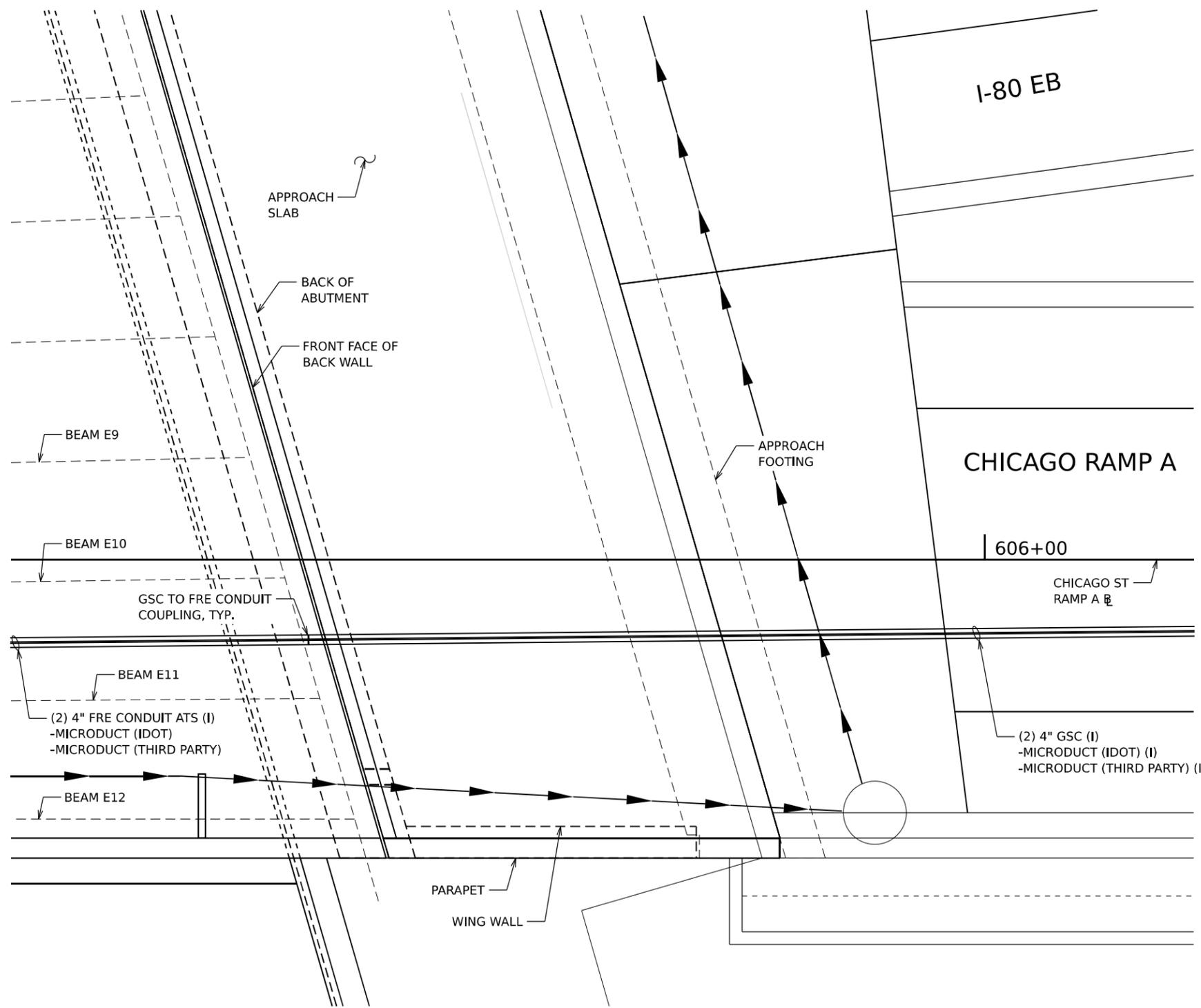
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DRAWN - DJM	REVISED -	
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

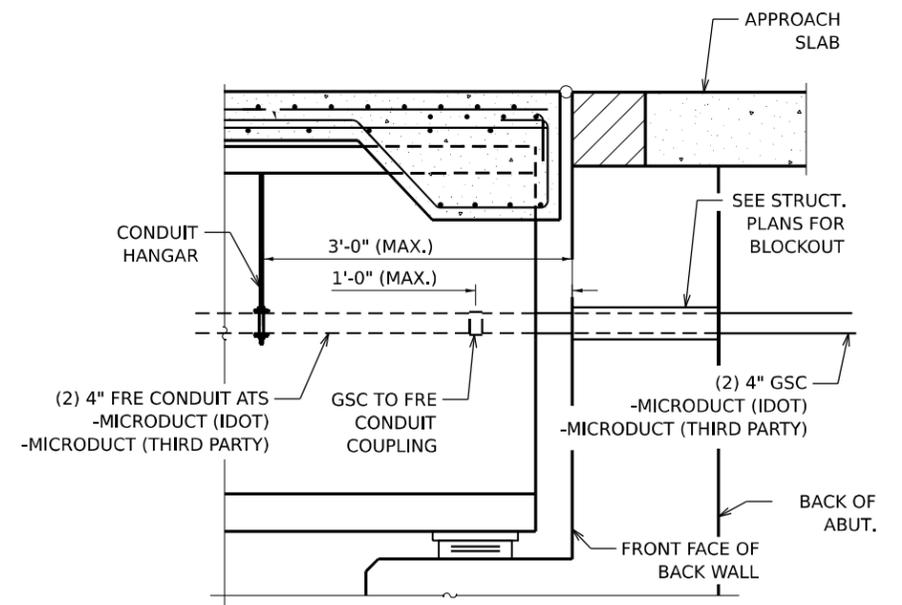
ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE

SCALE: NTS SHEET 21 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	561
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



**ITS INFRASTRUCTURE DETAIL
I-80 EB AT EAST APPROACH SLAB PLAN**
N.T.S.



**ITS INFRASTRUCTURE DETAIL
I-80 EB EAST ABUTMENT ELEVATION**
N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

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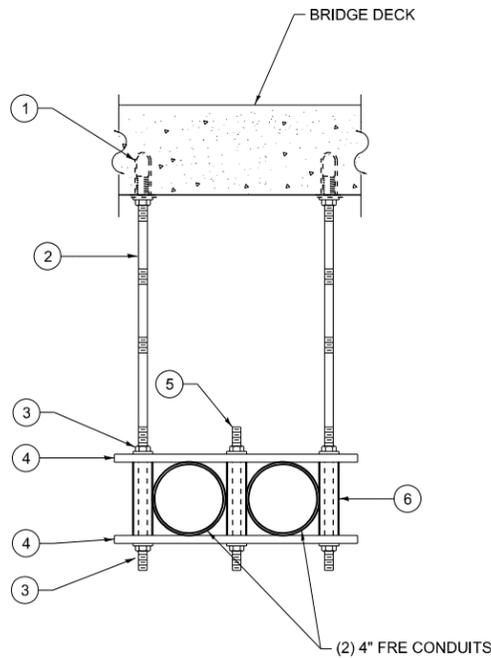
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

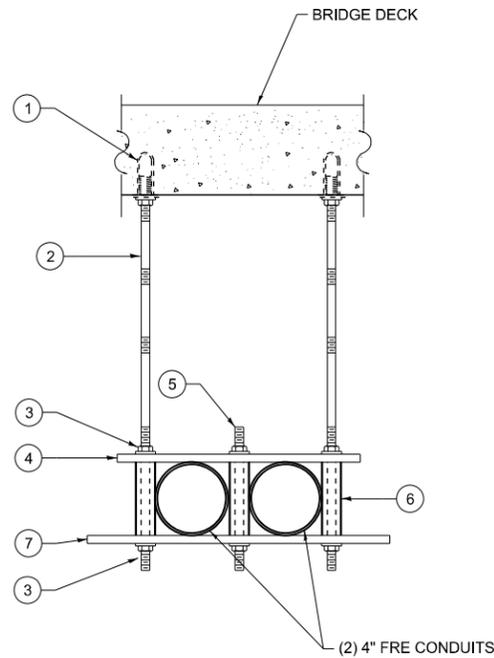
SCALE: NTS SHEET 22 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	562
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



4" FRE CONDUIT INTERMEDIATE HANGER DETAIL

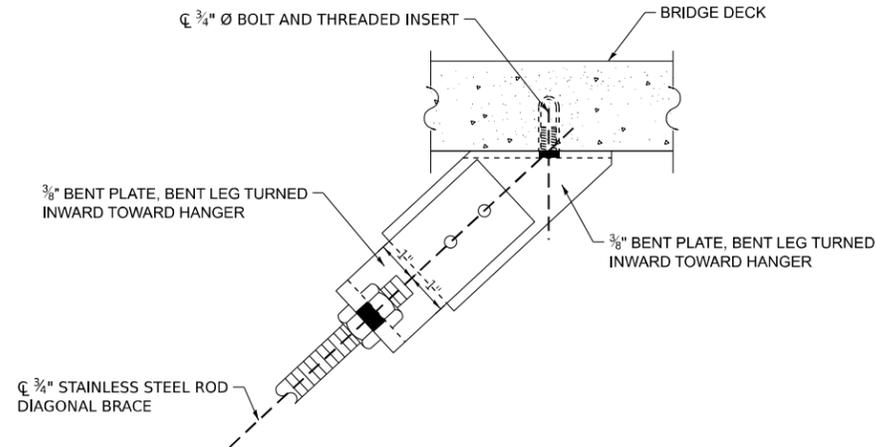
N.T.S.



4" FRE CONDUIT ANCHORING HANGER DETAIL

N.T.S.

NOTE: THE DIAGONAL ROD ON EACH SIDE OF THE HANGER CONNECTED TO THE BOTTOM RUNG IS NOT SHOWN FOR CLARITY. SEE DETAILS FOR TYPICAL SPLIT RING INSTALLATION, ATTACHMENT OF DIAGONAL ROD AT HANGER, AND ATTACHMENT OF DIAGONAL ROD AT BRIDGE DECK.



ATTACHMENT OF DIAGONAL ROD AT BRIDGE DECK

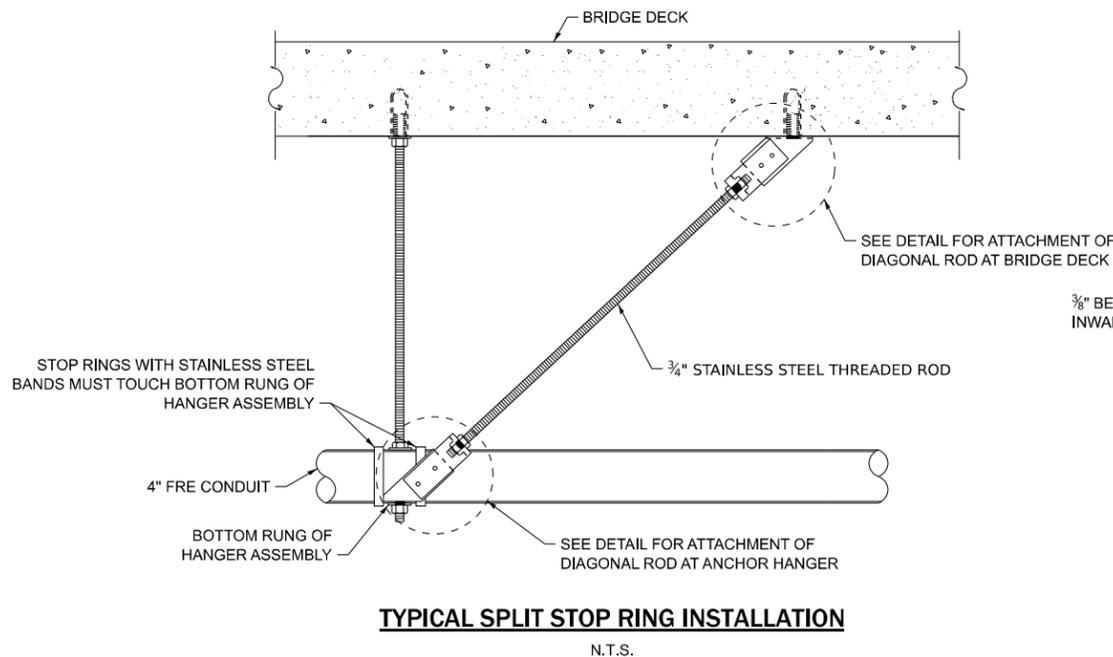
CONDUIT HANGER LEGEND

- ① STAINLESS STEEL CONCRETE INSERTS CAST IN DECK FOR 3/4" THREADED RODS WITH A MINIMUM CERTIFIED 6,600 LB PROOF LOAD AS SPECIFIED IN ARTICLE 1006.13.
- ② 3/4" STAINLESS STEEL THREADED ROD (LENGTH VARIES)
- ③ 3/4" STAINLESS STEEL HEX NUT, STAINLESS STEEL FLAT WASHER AND STAINLESS STEEL LOCK WASHER, TYP.
- ④ 1/2" X 2" X 14 3/4" FIBERGLASS FLAT BAR (LEVEL)
- ⑤ 3/4" STAINLESS STEEL THREADED ROD 9 3/8" LONG
- ⑥ 1" FIBERGLASS ROUND TUBE 4 7/8" LONG
- ⑦ 1/2" X 2" X 1'-7" FIBERGLASS FLAT BAR

NOTE: ABOVE SIZES/LENGTHS SHALL BE VERIFIED BY CONTRACTOR TO ENSURE PROPER CONDUIT FIT BEFORE ORDERING MATERIAL.

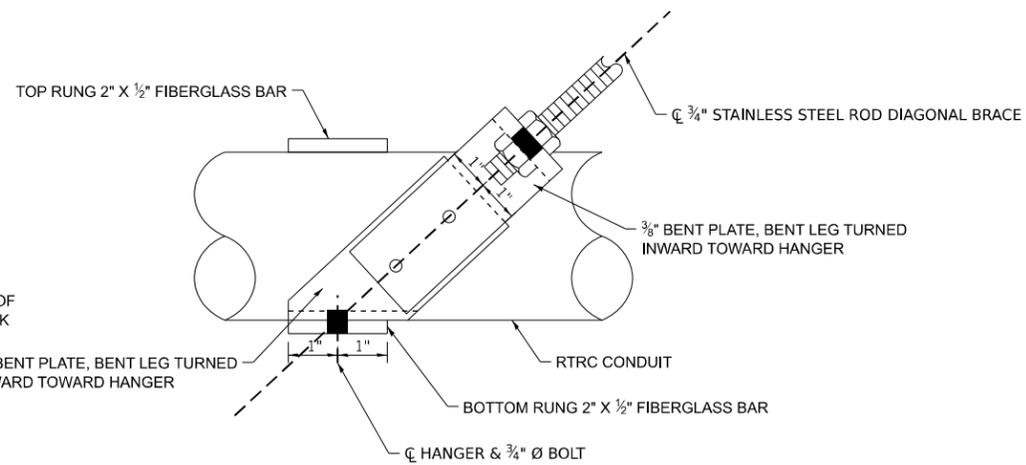
NOTES:

1. CONDUIT SHALL BE SUPPORTED AT A MAXIMUM INTERVAL OF 8' AND WITHIN 2.5' OF ANY JUNCTION BOX, COUPLING/FITTING OR CHANGE IN DIRECTION.
2. ALL HARDWARE SHALL BE STAINLESS STEEL IN ACCORDANCE WITH ARTICLE 1006.31 OF THE STANDARD SPECIFICATIONS.
3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF THE CONCRETE INSERTS WITH THE BRIDGE CONTRACTOR.
4. THE COST OF THE CONCRETE INSERTS SHALL BE INCLUDED IN THE COST OF CONDUIT ATTACHED TO STRUCTURE.
5. CONDUIT SHALL BE INSTALLED BETWEEN THE BEAMS AS SHOWN ON THE PLANS AND DETAILS.
6. CONDUIT SHALL NOT COME INTO CONTACT WITH ANY BRACING OR OTHER STRUCTURAL MEMBERS. PROVIDE 1" MINIMUM CLEARANCE TO ALL STRUCTURAL MEMBERS.
7. FIBERGLASS FLAT BAR MUST BE LEVELED OUT AT TIME OF PLACEMENT.
8. THE HANGER ASSEMBLIES FOR THE FIBER GLASS CONDUIT SHALL BE ABOVE THE BOTTOM OF THE GIRDER.
9. SPLIT STOP RING SHALL BE IN ACCORDANCE WITH CONDUIT MANUFACTURER'S REQUIREMENTS. SPLIT STOP RINGS MUST ALWAYS BE LOCATED ON BOTH SIDES OF ANCHORING HANGERS TO SECURELY RESTRAIN THE FRE CONDUIT.
10. ALL HANGER ASSEMBLIES MUST MAINTAIN A MINIMUM OF 6" CLEARANCE FROM COUPLINGS TO AVOID RESTRICTING THE EXPANSION AND CONTRACTION OF THE FRE DUCT.
11. INTERMEDIATE HANGER OPENINGS MUST BE LARGE ENOUGH TO PERMIT UNRESTRICTED MOTION OF THE FRE CONDUIT WITHIN THE HANGER.
12. 4" FIBERGLASS CONDUIT (INCLUDING HANGER ASSEMBLIES, ALL REQUIRED EXPANSION/DEFLECTION FITTINGS, RODS, NUTS, WASHERS, FLAT BARS, TUBES AND ALL OTHER ANCILLARY ITEMS) PAID FOR UNDER "CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 4" DIA. (81101002).



TYPICAL SPLIT STOP RING INSTALLATION

N.T.S.



ATTACHMENT OF DIAGONAL ROD AT HANGER

N.T.S.

NOTE: FASTEN 3/8" BENT PLATE WITH 3/4" Ø BOLTS, NUTS, WASHERS & LOCK WASHERS. SPLIT STOP RINGS NOT DEPICTED FOR CLARITY.

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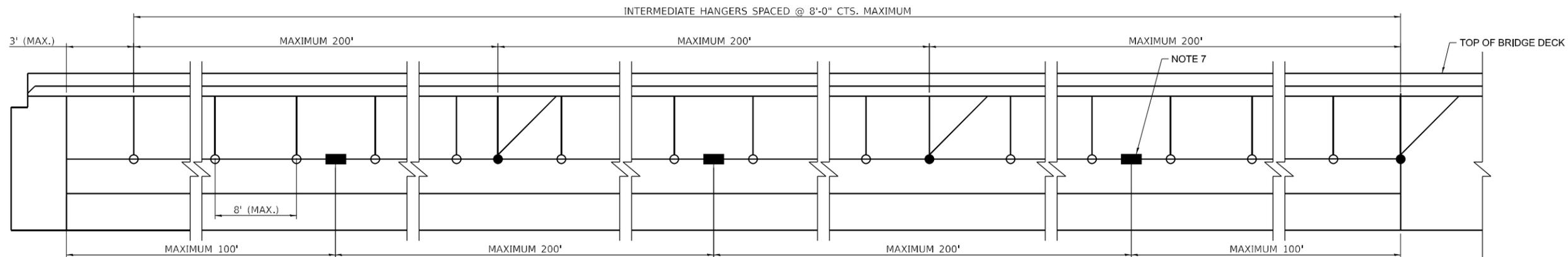
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

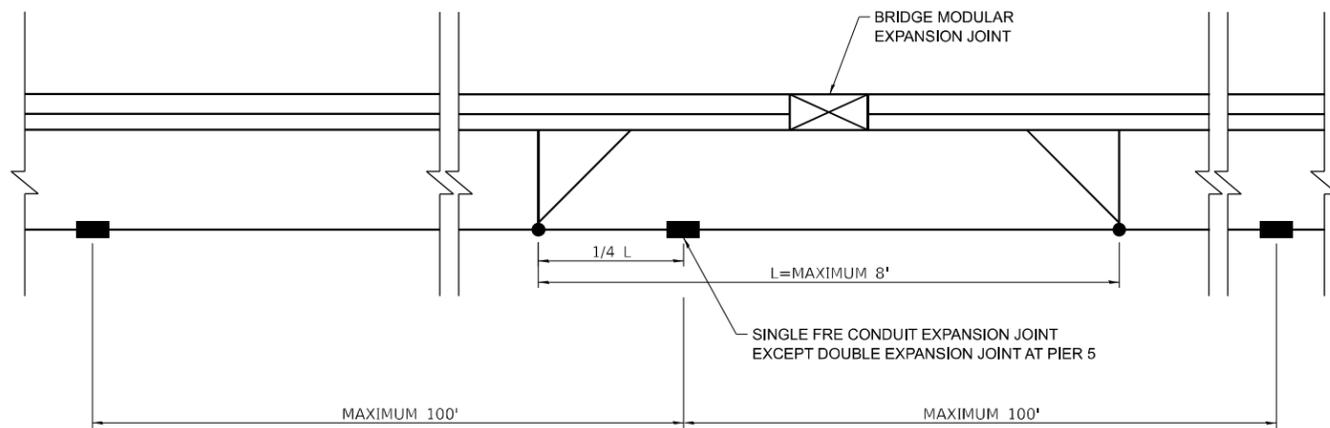
SCALE: NTS SHEET 23 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	563
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



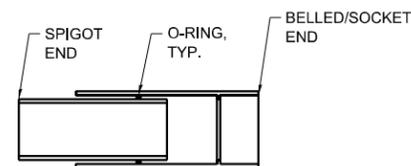
**CONDUIT ATTACHED TO STRUCTURE
HANGER & EXPANSION JOINT PLACEMENT**

N.T.S.



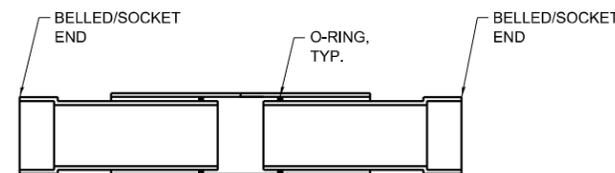
**CONDUIT ATTACHED TO STRUCTURE
HANGER & EXPANSION JOINT PLACEMENT
AT MODULAR EXPANSION JOINT**

N.T.S.



**SINGLE EXPANSION JOINT DETAIL
AT ALL OTHER MODULAR JOINT LOCATIONS**

N.T.S.



DOUBLE EXPANSION JOINT DETAIL AT PIER 5

N.T.S.

NOTES:

- | | |
|--|--|
| <p>1. SPLIT STOP RINGS MUST ALWAYS BE LOCATED ON BOTH SIDES OF ANCHORING HANGERS TO SECURELY RETAIN THE FIBERGLASS CONDUIT.</p> <p>2. INTERMEDIATE HANGER OPENING MUST BE LARGE ENOUGH TO PERMIT FREE UNRESTRICTED MOTION OF THE FIBERGLASS CONDUIT IN THE HANGER.</p> <p>3. AFTER INSTALLING THE EXPANSION JOINTS, AN ALIGNMENT CHECK IS NECESSARY TO ENSURE THE UNIT WILL TRAVEL FREELY AND NOT BIND DUE TO MISALIGNMENT.</p> <p>4. ALL HANGER ASSEMBLIES MUST MAINTAIN A MINIMUM OF 6" CLEARANCE FROM COUPLINGS TO AVOID RESTRICTING THE EXPANSION AND CONTRACTION OF THE FIBERGLASS CONDUIT.</p> | <p>5. THE HANGER ASSEMBLIES FOR THE FIBERGLASS CONDUIT SHALL BE ABOVE THE BOTTOM OF THE GIRDER UNLESS OTHERWISE NOTED.</p> <p>6. AN EXPANSION JOINT MUST BE INSTALLED FOR EVERY 200' OF FIBERGLASS CONDUIT RUN AND WITHIN 100' OF THE ABUTMENTS AND MODULAR JOINT LOCATIONS.</p> <p>7. SINGLE EXPANSION JOINT MUST ACCOMMODATE A MINIMUM OF 6" OF EXPANSION AND THE DOUBLE EXPANSION JOINT MUST ACCOMMODATE A MINIMUM OF 12" OF EXPANSION.</p> |
|--|--|

LEGEND

-  ANCHORING HANGER WITH SPLIT STOP RINGS AND BRACE
-  INTERMEDIATE HANGER
-  FIBERGLASS CONDUIT WITH EXPANSION JOINT

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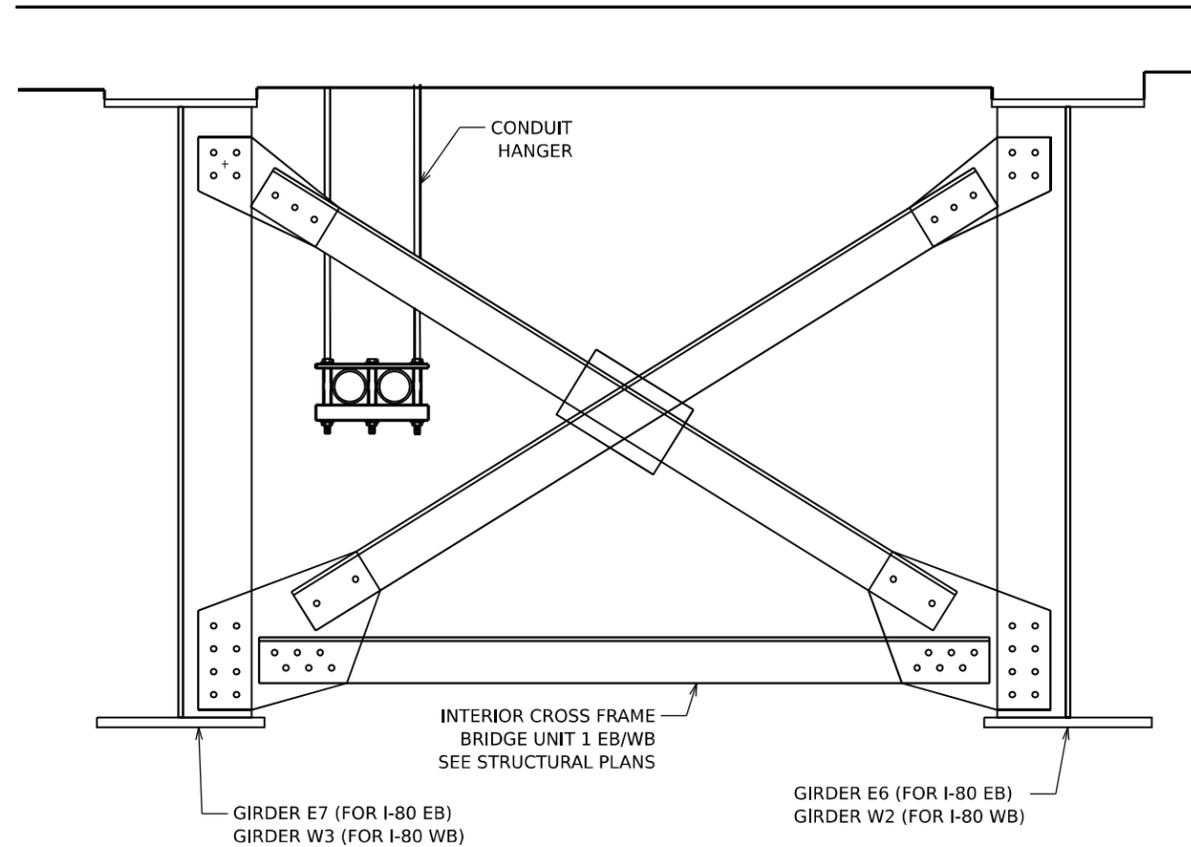
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	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

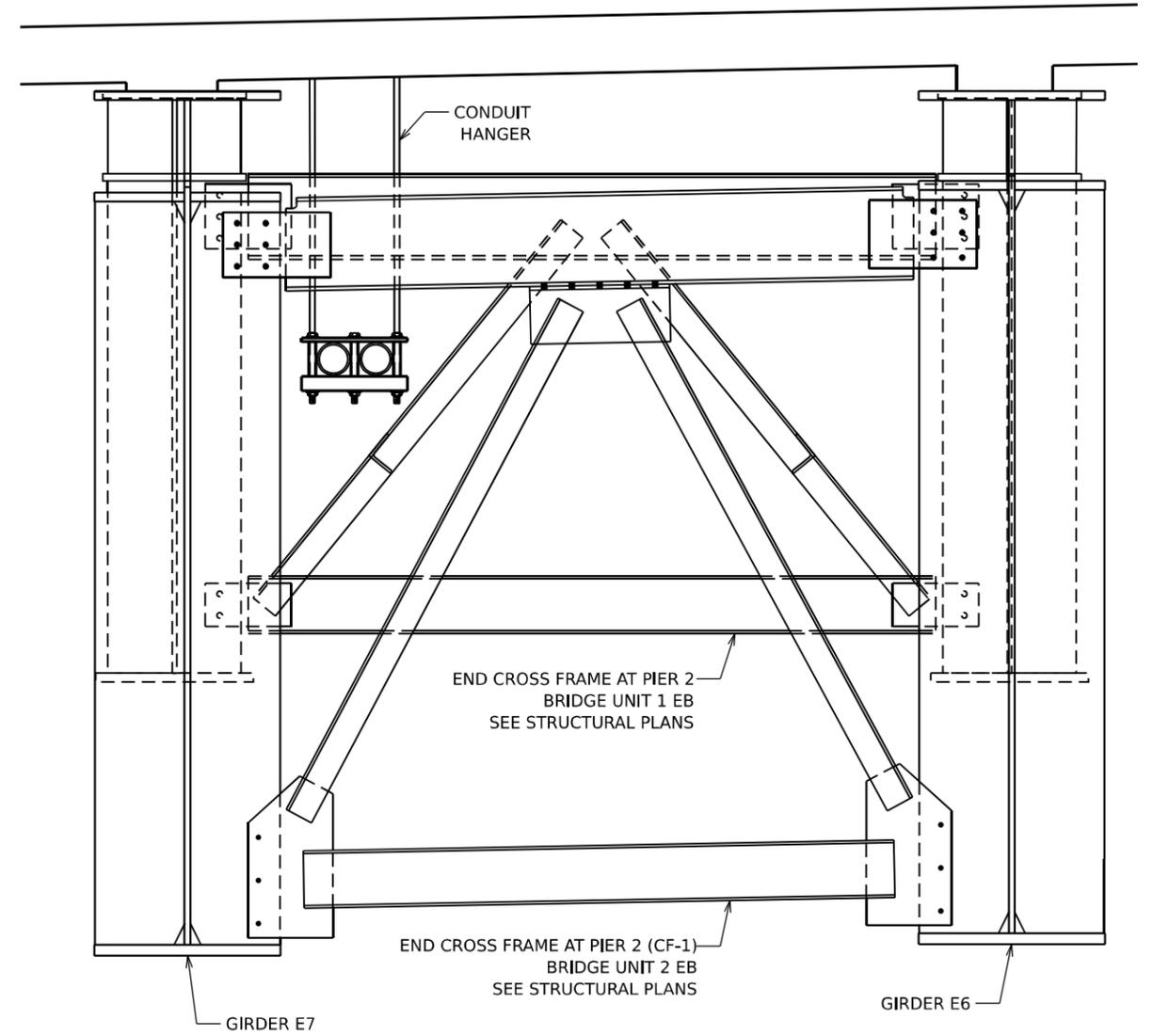
**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

SCALE: NTS SHEET 24 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	564
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



ITS CONDUIT ATS
TYPICAL SECTION AT CROSS FRAME SPAN 1 & 2 - EB & WB
N.T.S.



ITS CONDUIT ATS
SECTION AT PIER 2 END CROSS FRAMES - EB
N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

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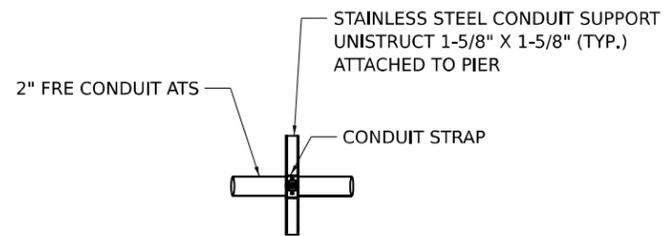
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

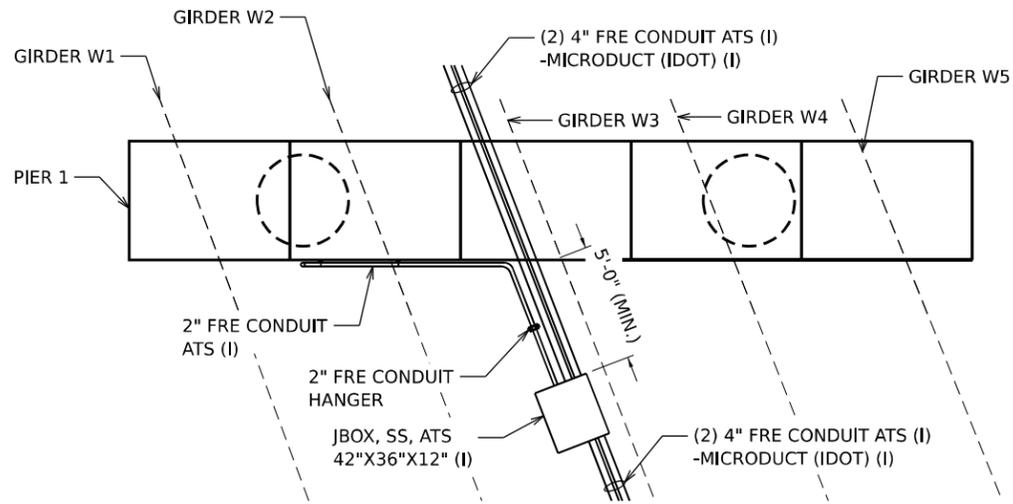
ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE

SCALE: NTS SHEET 25 OF 41 SHEETS STA. TO STA.

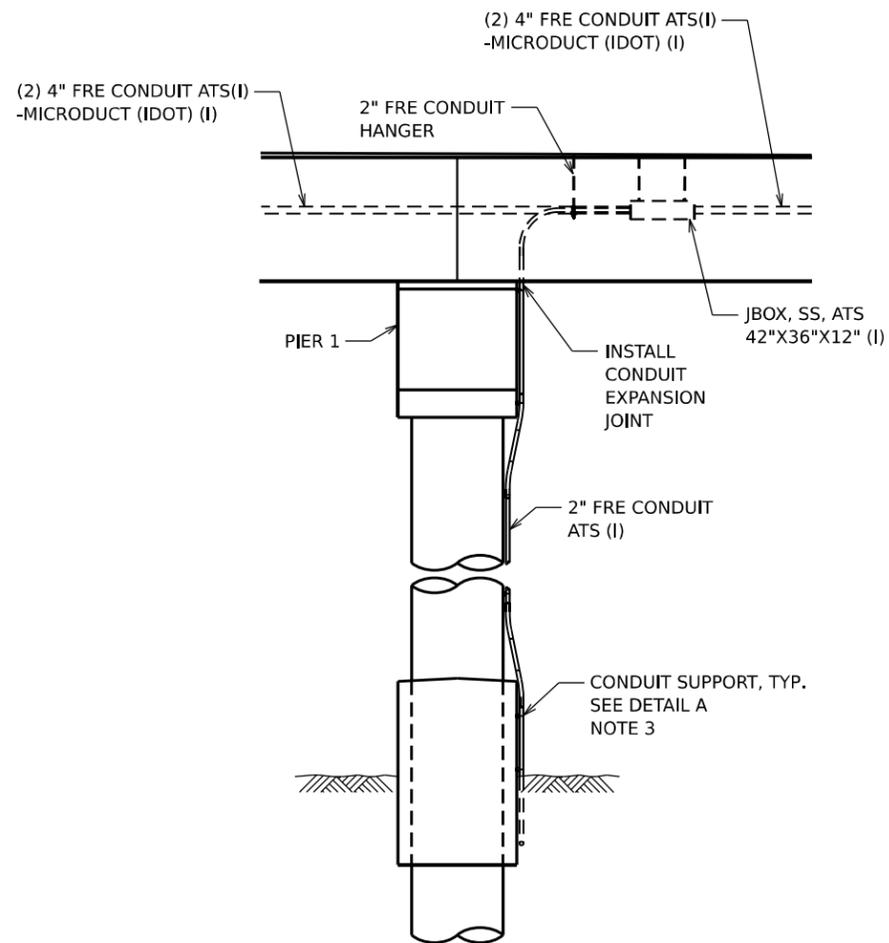
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80	FAI 80 21 STRUCTURE 2	WILL	1230	565
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



DETAIL A

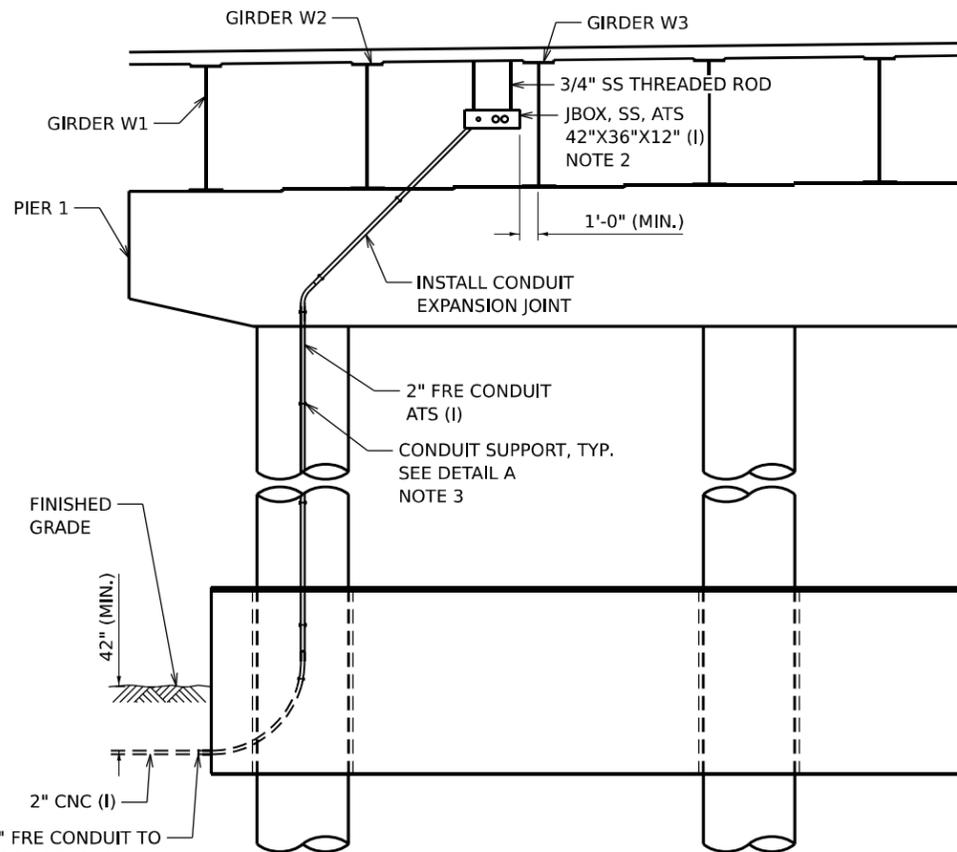


PIER 1 WB TOP VIEW



PIER 1 WB END VIEW

N.T.S.



PIER 1 WB ELEVATION VIEW

N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.
2. JUNCTION BOX SHALL BE INSTALLED WITH LID FACING DOWN FOR ACCESS FROM BELOW. LID HINGE SHALL BE ADJACENT TO GIRDER W3.
3. CONDUIT SUPPORTS AT PIER 1 WB SHALL BE SPACED AT A MAXIMUM OF 8'-0".

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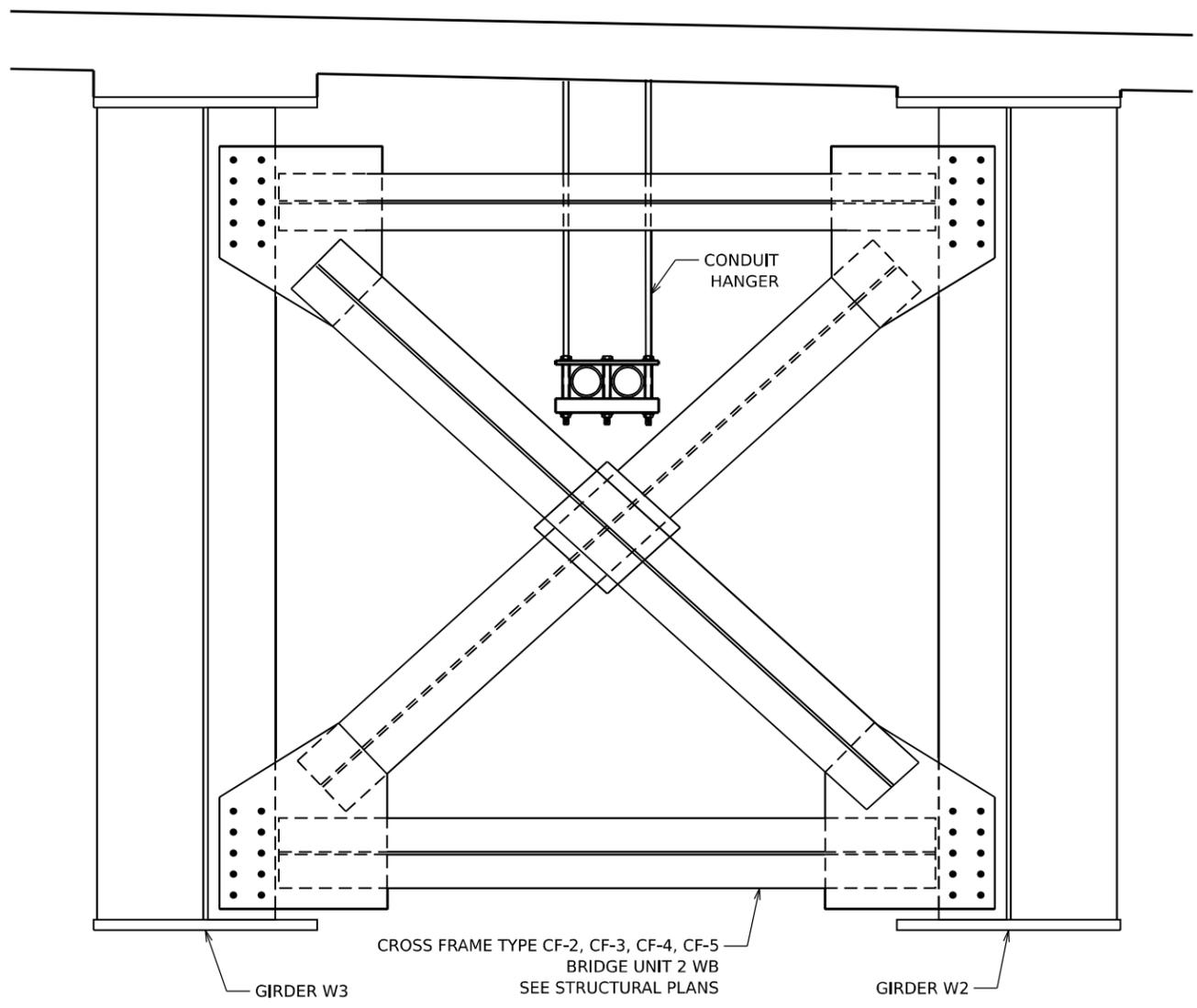
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

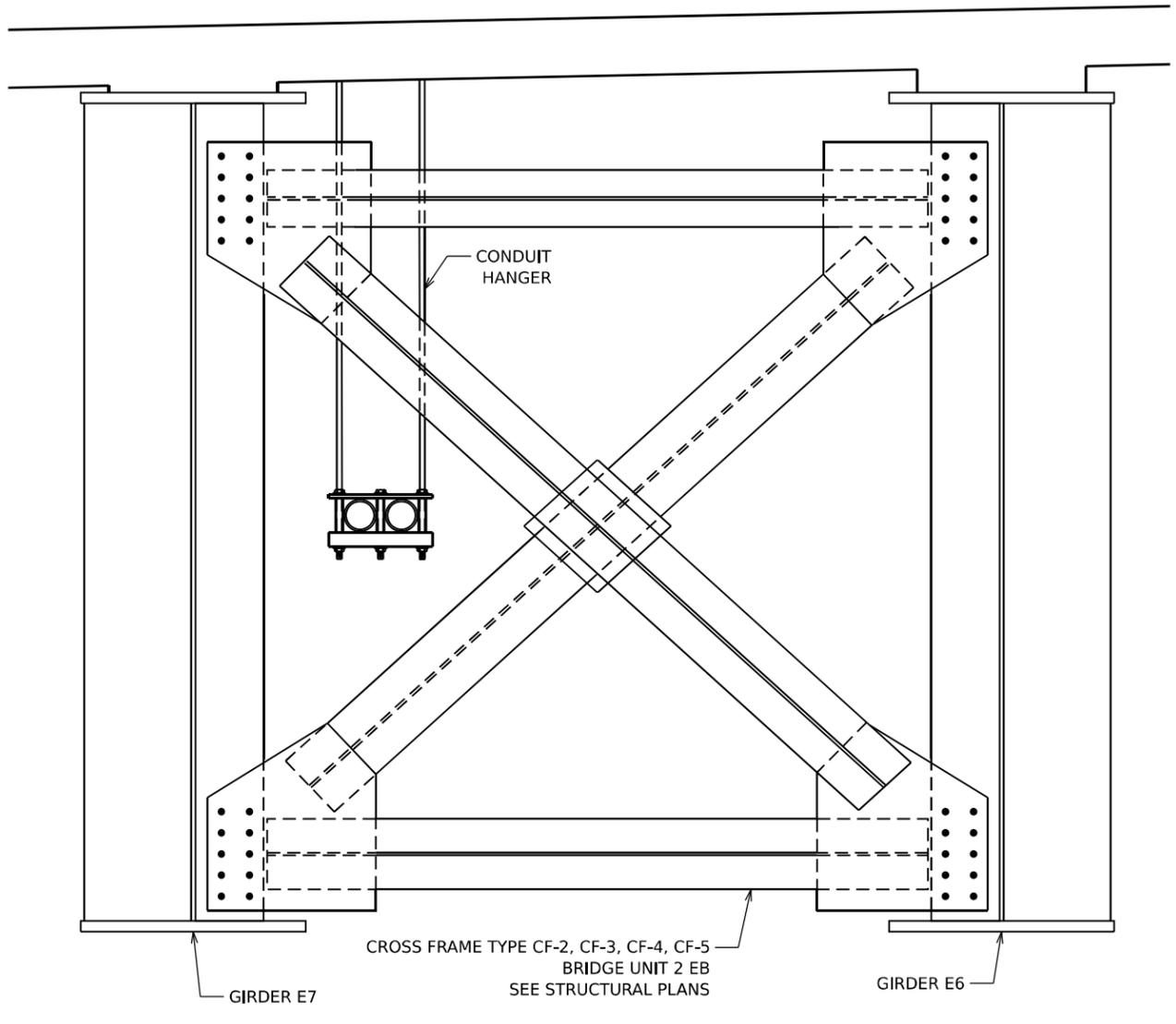
SCALE: NTS SHEET 26 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	566
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

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ITS CONDUIT ATS
TYPICAL SECTION AT CROSS FRAME SPAN 3, 4, & 5 - WB
 N.T.S.



ITS CONDUIT ATS DETAIL
TYPICAL SECTION AT CROSS FRAME SPAN 3, 4, & 5 - EB
 N.T.S.

NOTES

- STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

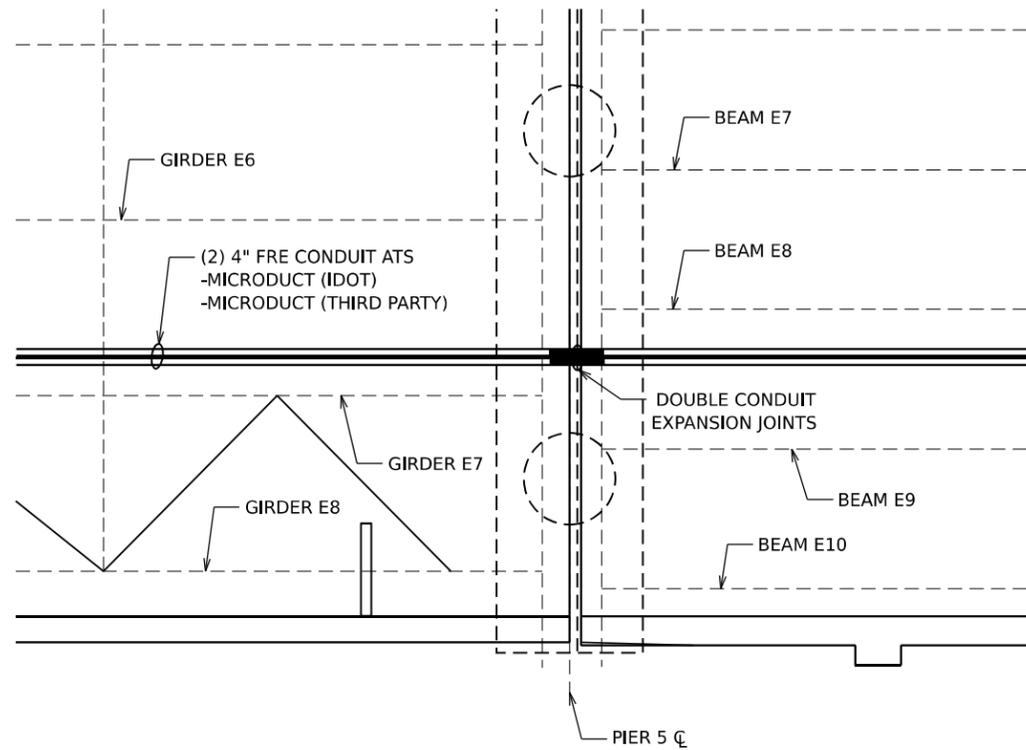


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	DATE - 11/7/2025	REVISED -

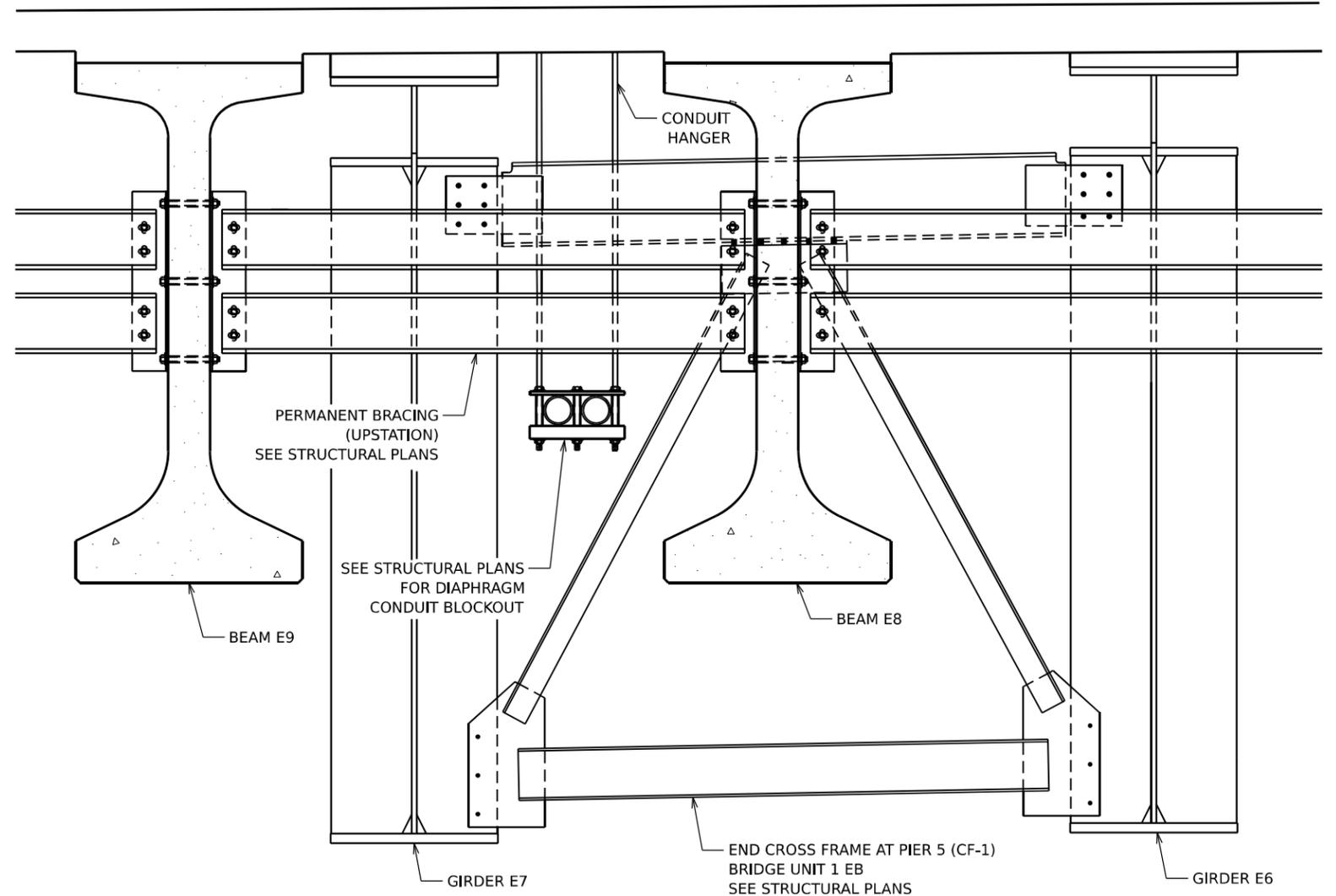
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS INFRASTRUCTURE DETAILS CONDUIT ATTACHED TO STRUCTURE			
SCALE: NTS	SHEET 28	OF 41 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	568
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



**ITS CONDUIT ATS DETAIL
PLAN AT PIER 5 EB**
N.T.S.



**ITS CONDUIT ATS
SECTION AT PIER 5 EB**
N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

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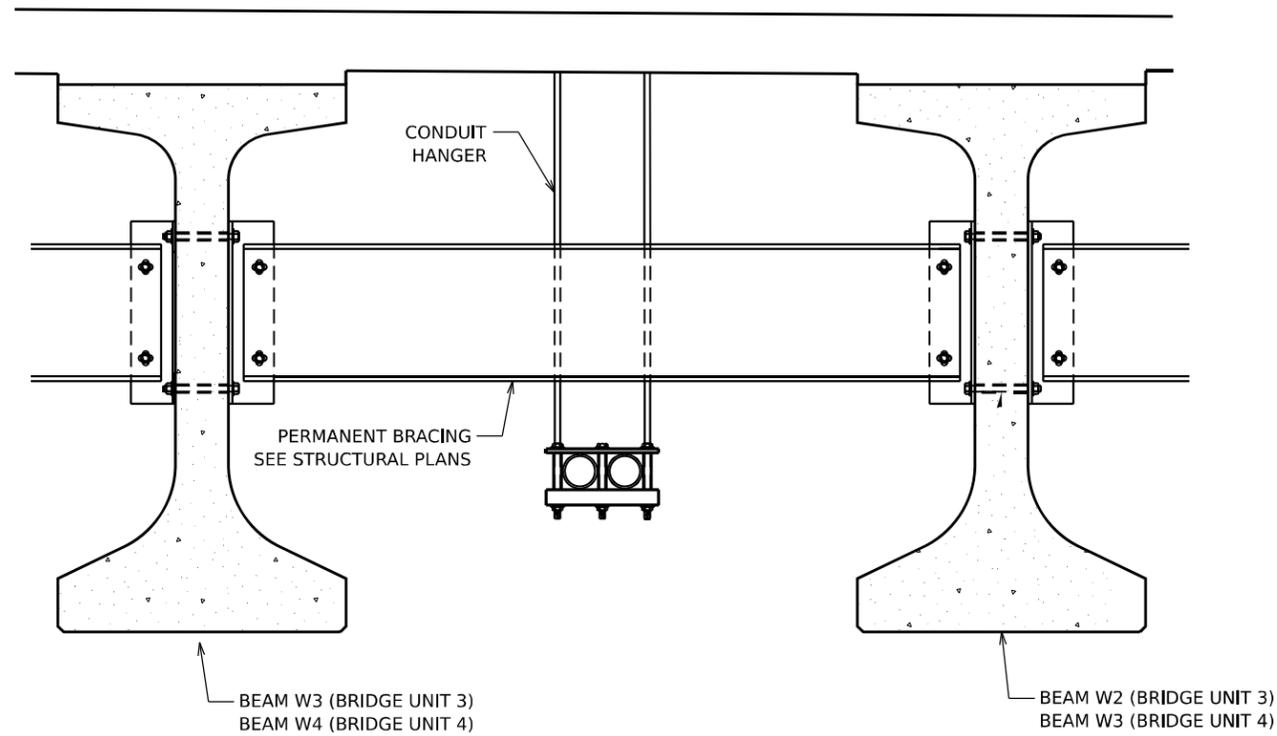
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DRAWN - DJM	REVISED -	
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

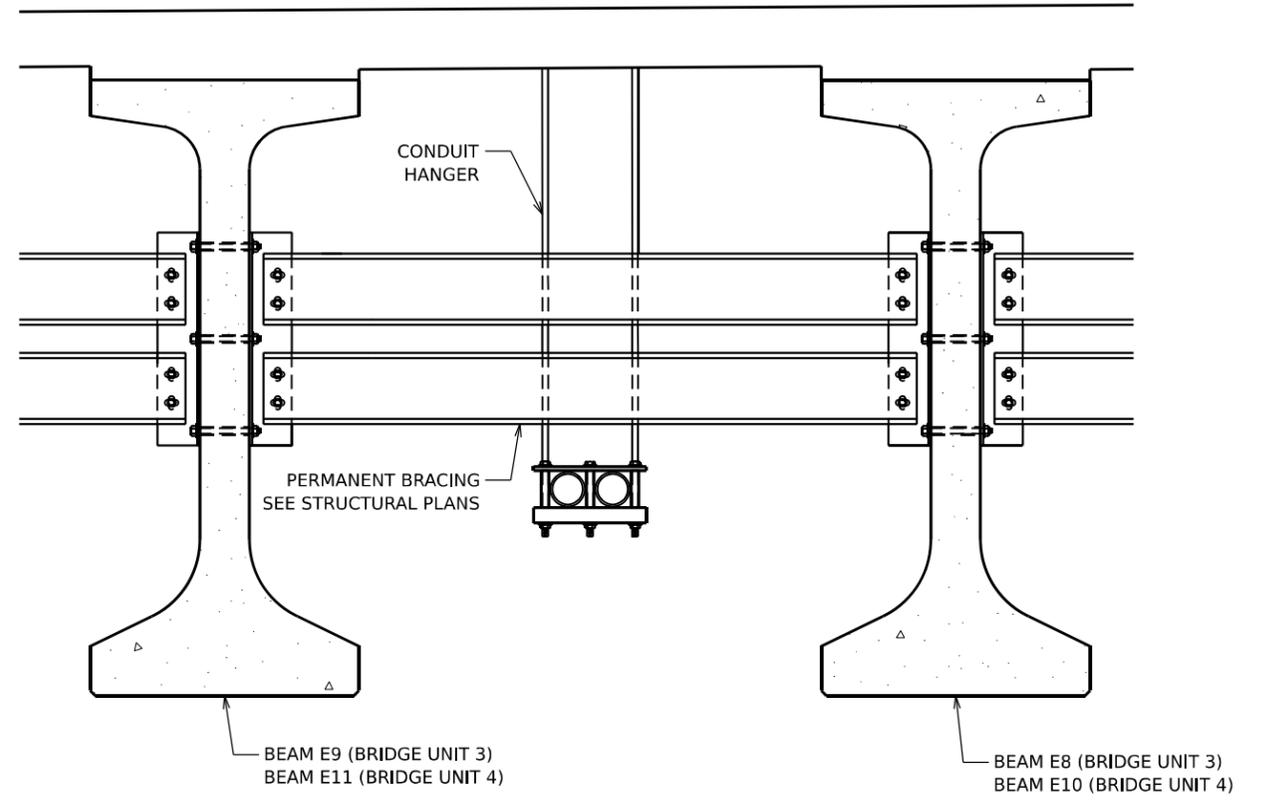
**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

SCALE: NTS SHEET 30 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	570
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



ITS CONDUIT ATS
TYPICAL SECTION AT PERMANENT BRACING SPAN 6-10 WB
 N.T.S.



ITS CONDUIT ATS DETAIL
TYPICAL SECTION AT PERMANENT BRACING SPAN 6-10 EB
 N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

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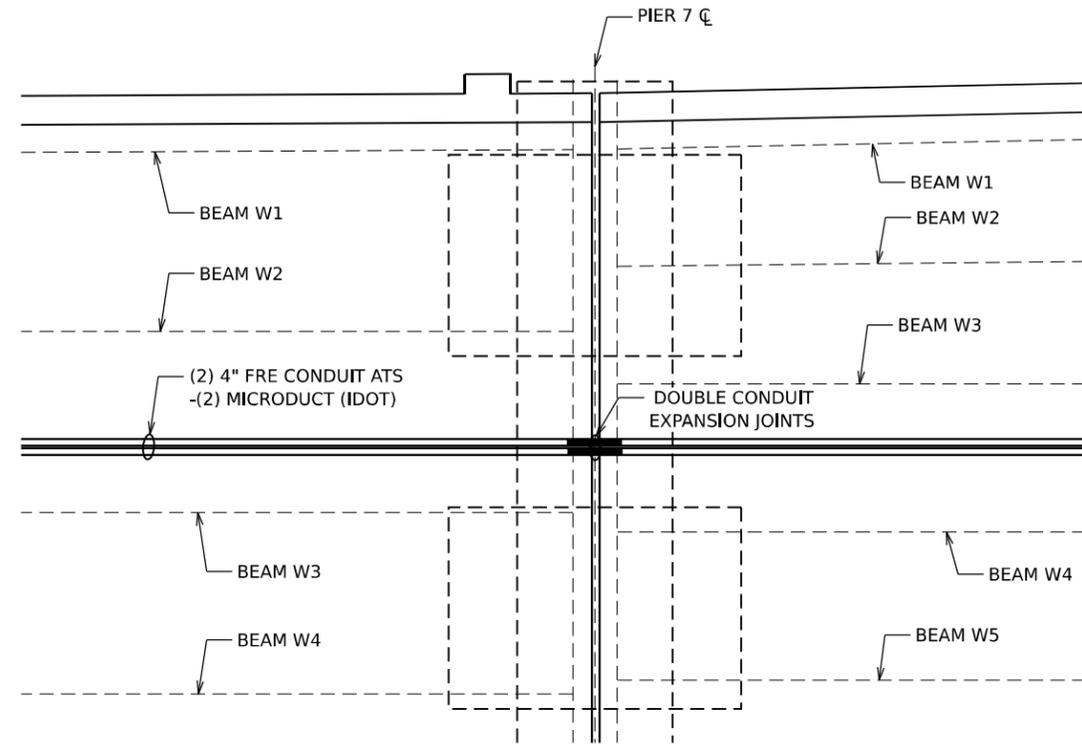
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

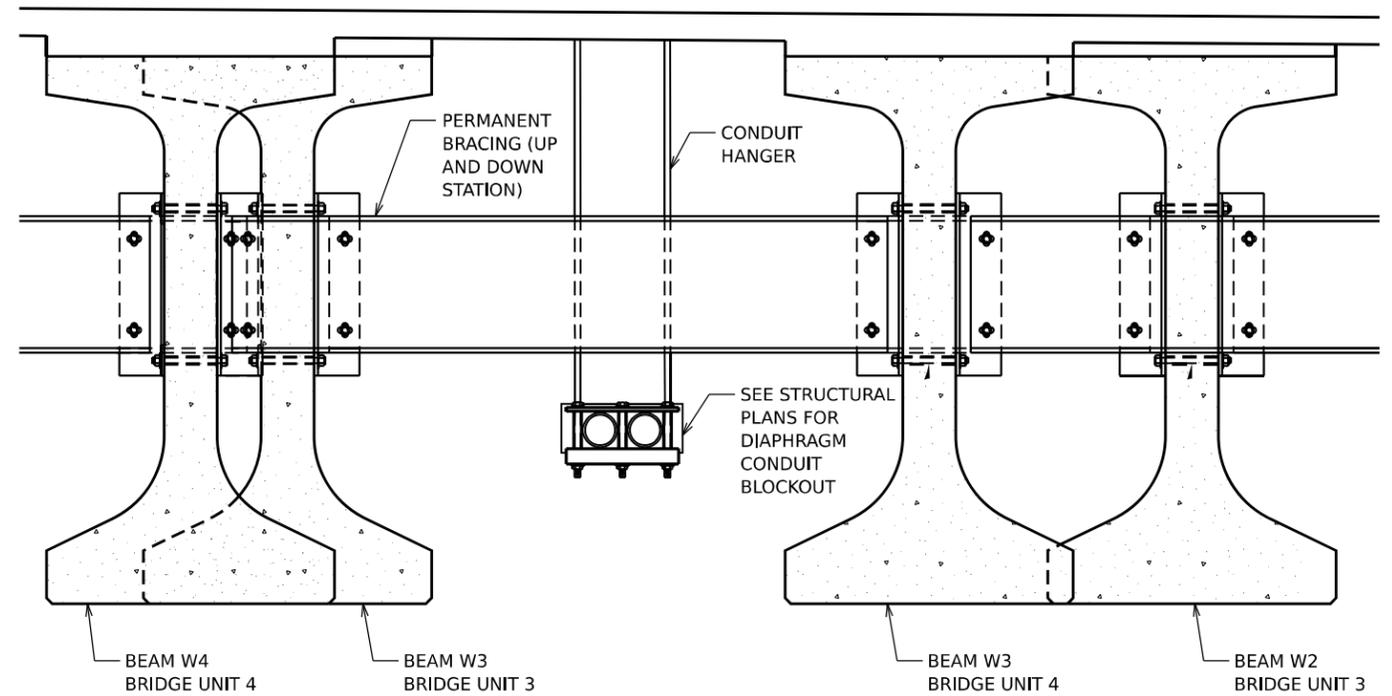
ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE

SCALE: NTS SHEET 31 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	571
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



**ITS CONDUIT ATS DETAIL
PLAN AT PIER 7 WB**
N.T.S.



**ITS CONDUIT ATS
SECTION AT PIER 7 WB**
N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

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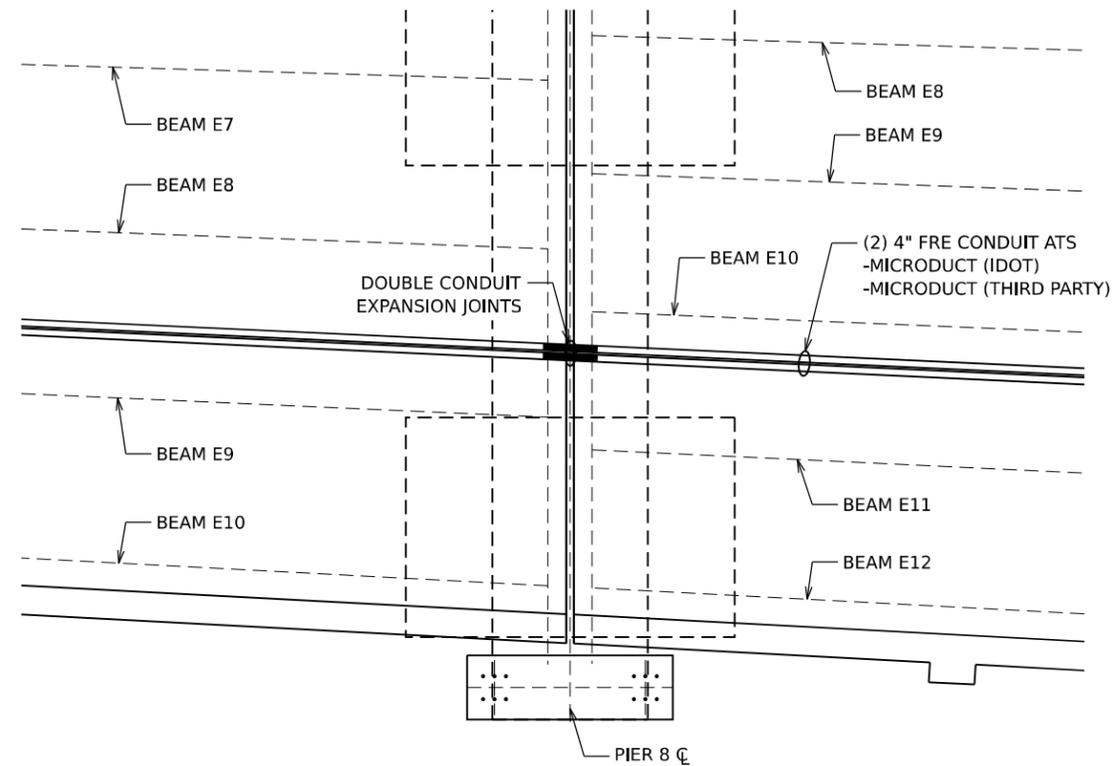
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

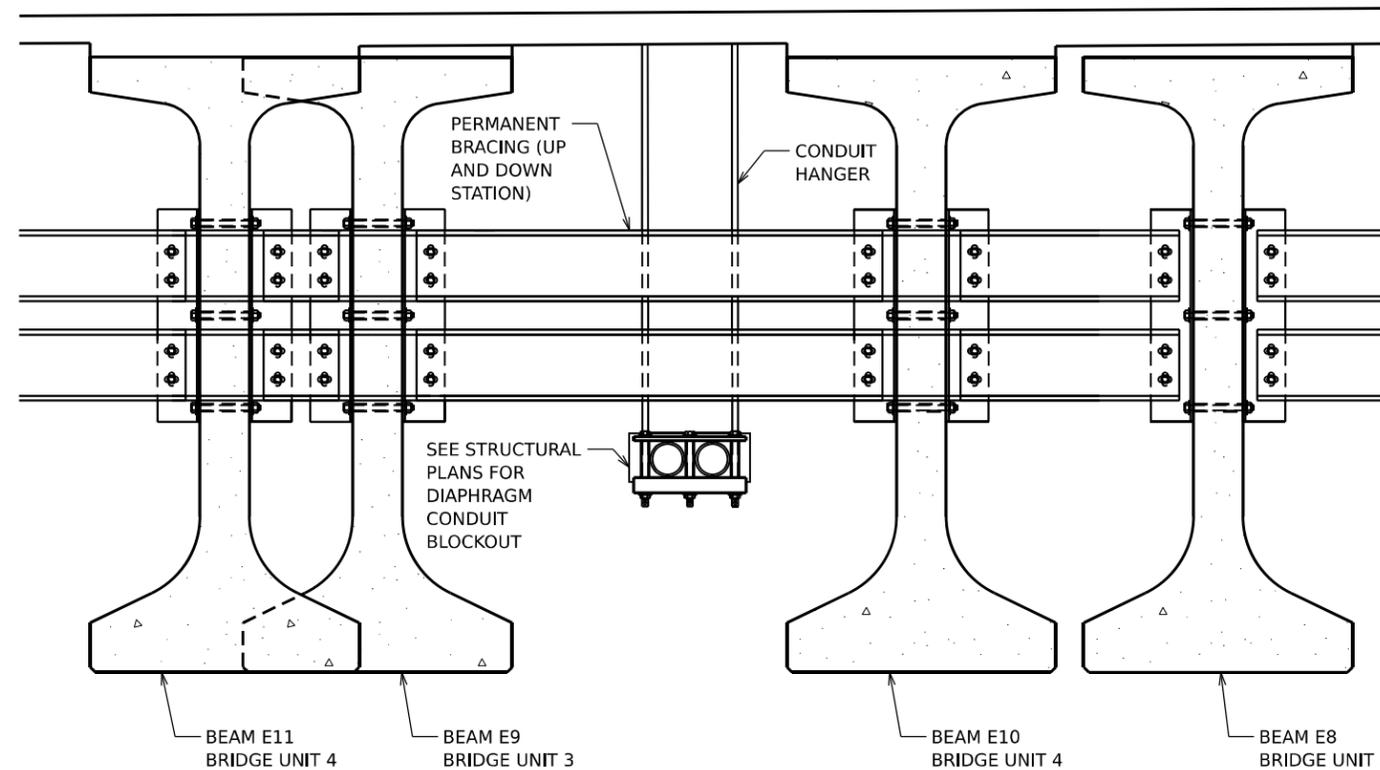
**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

SCALE: NTS SHEET 32 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	572
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



**ITS CONDUIT ATS DETAIL
PLAN AT PIER 8 EB**
N.T.S.



**ITS CONDUIT ATS
SECTION AT PIER 8 EB**
N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

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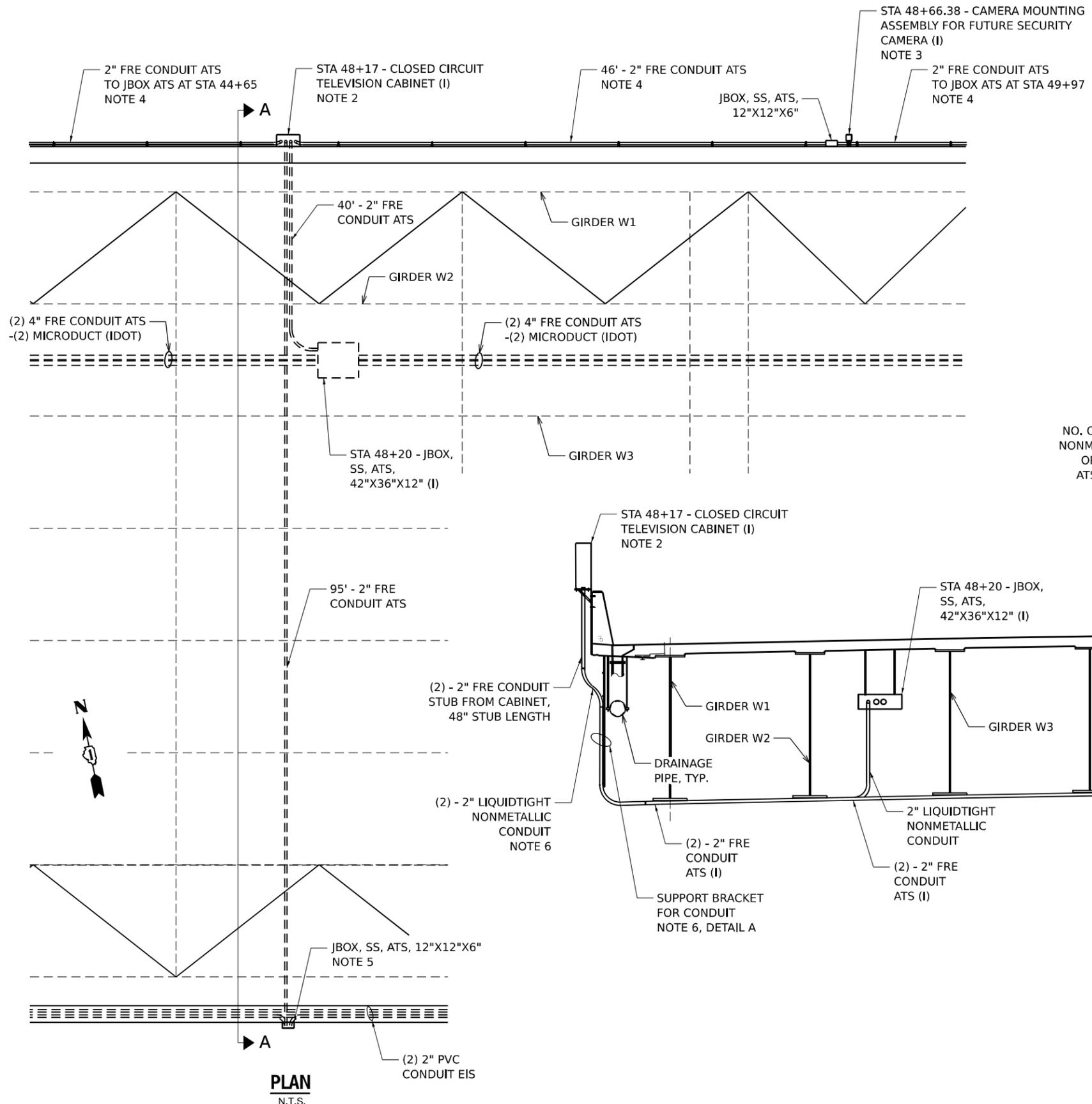
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

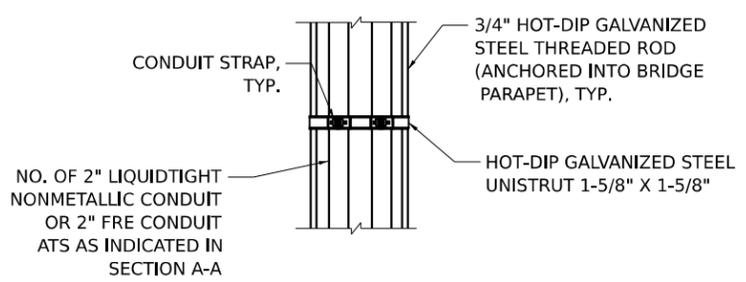
**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

SCALE: NTS SHEET 33 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	573
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

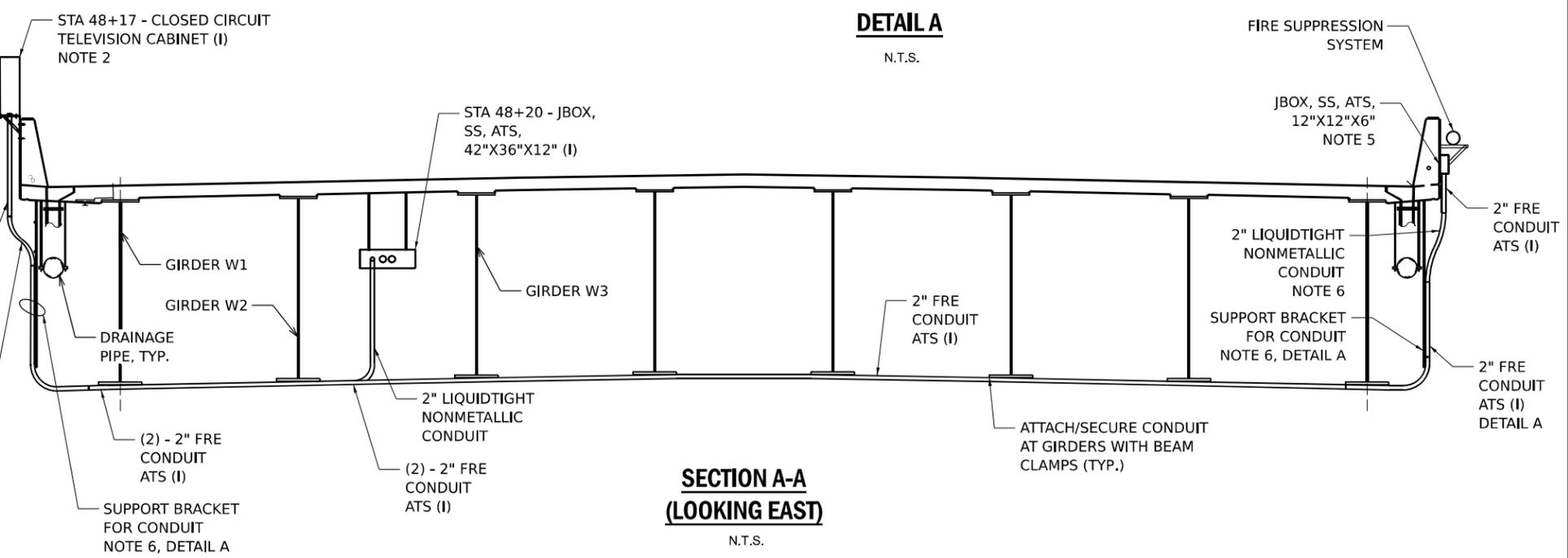


- NOTES**
1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.
 2. FOR CLOSED CIRCUIT TELEVISION CAMERA CABINET DETAIL, REFER TO SHEET 576
 3. FOR CAMERA MOUNTING ASSEMBLY DETAIL, REFER TO SHEET 577
 4. CONDUIT SUPPORTS AT SHALL BE SPACED AT A MAXIMUM OF 8'-0".
 5. REFER TO LIGHTING PLANS FOR FURTHER DETAIL ON 12"X12"X6" JUNCTION BOX AND 2" PVC CONDUIT EMBEDDED IN PARAPET. 2" PVC CONDUIT EMBEDDED IN PARAPET THAT ENTERS THIS JUNCTION BOX IS THE SPARE CONDUIT (NOT ROADWAY LIGHTING CONDUIT).
 6. LIQUIDTIGHT NONMETALLIC CONDUIT SHALL BE SUPPORTED A MINIMUM OF 12" FROM ATTACHMENT TO FRE CONDUIT AND A MINIMUM OF EVERY 3' ALONG THE CONDUIT. LIQUIDTIGHT CONDUIT AND CONDUIT SUPPORT SYSTEM SHALL BE INCLUDED IN THE COST OF THE 2" FRE CONDUIT ATTACHED TO STRUCTURE.



DETAIL A

N.T.S.



**SECTION A-A
(LOOKING EAST)**

N.T.S.

PLAN

N.T.S.

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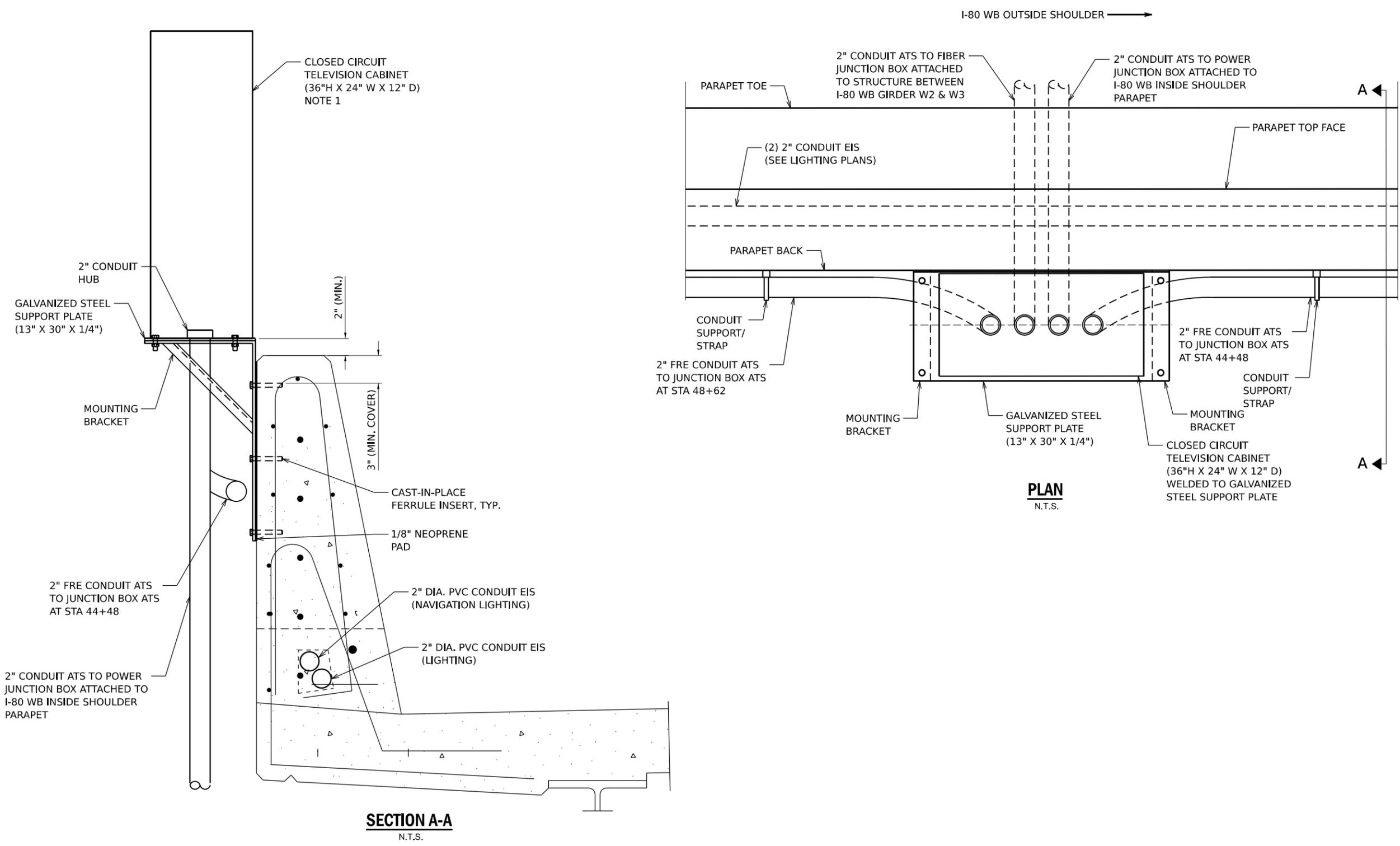
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	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

SCALE: NTS SHEET 35 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	575
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



NOTES

- CABINET SHALL BE INSTALLED WITH VERTICAL HINGE AND SUCH THAT THE DOOR OPENS TOWARDS I-80 FOR MAINTENANCE ACCESS FROM THE I-80 WB SHOULDER.

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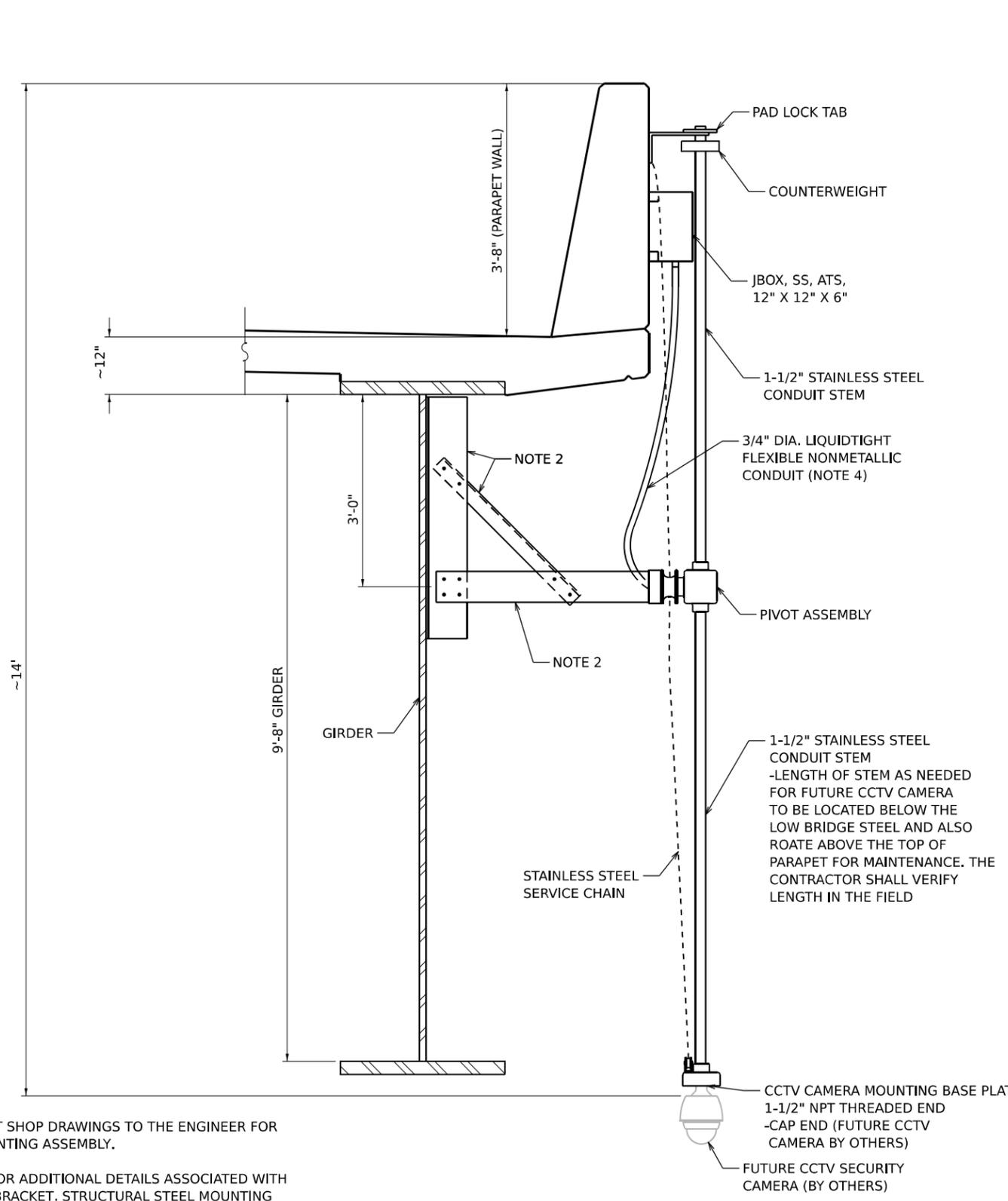


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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS INFRASTRUCTURE DETAILS CLOSED CIRCUIT TELEVISION CABINET			
SCALE: NTS	SHEET 36	OF 41 SHEETS	STA. TO STA.

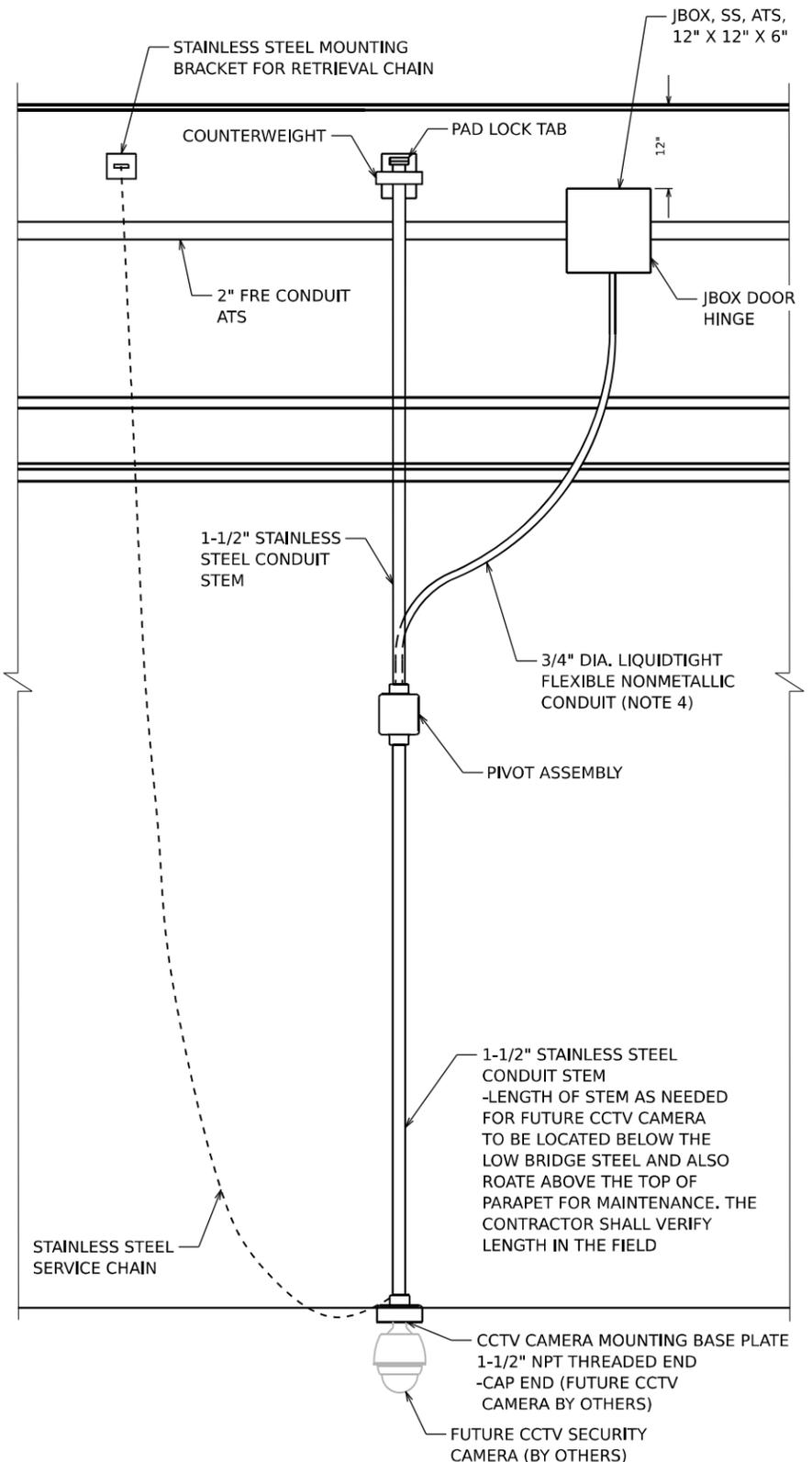
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	576
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



CAMERA MOUNTING ASSEMBLY

SECTION VIEW

N.T.S.



CAMERA MOUNTING ASSEMBLY

ELEVATION VIEW

N.T.S.

- NOTES**
1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL OF THE CAMERA MOUNTING ASSEMBLY.
 2. REFER TO STRUCTURAL PLANS FOR ADDITIONAL DETAILS ASSOCIATED WITH STRUCTURAL STEEL MOUNTING BRACKET. STRUCTURAL STEEL MOUNTING BRACKET IS INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY.
 3. BOTTOM OF MOUNT FOR FUTURE CCTV CAMERA SHALL BE AT THE SAME ELEVATION AS THE BOTTOM OF THE ADJACENT GIRDER.
 4. LIQUID-TIGHT CONDUIT FROM THE JUNCTION BOX TO THE CAMERA MOUNTING ASSEMBLY SHALL BE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY.

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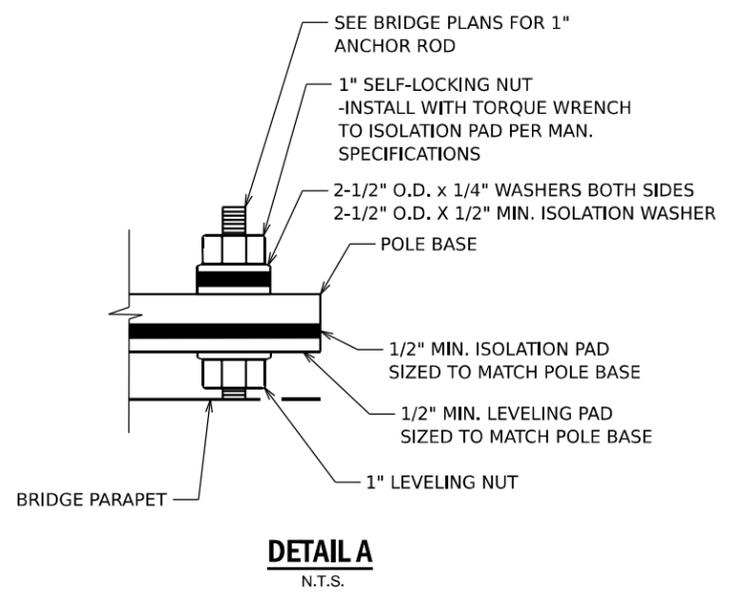
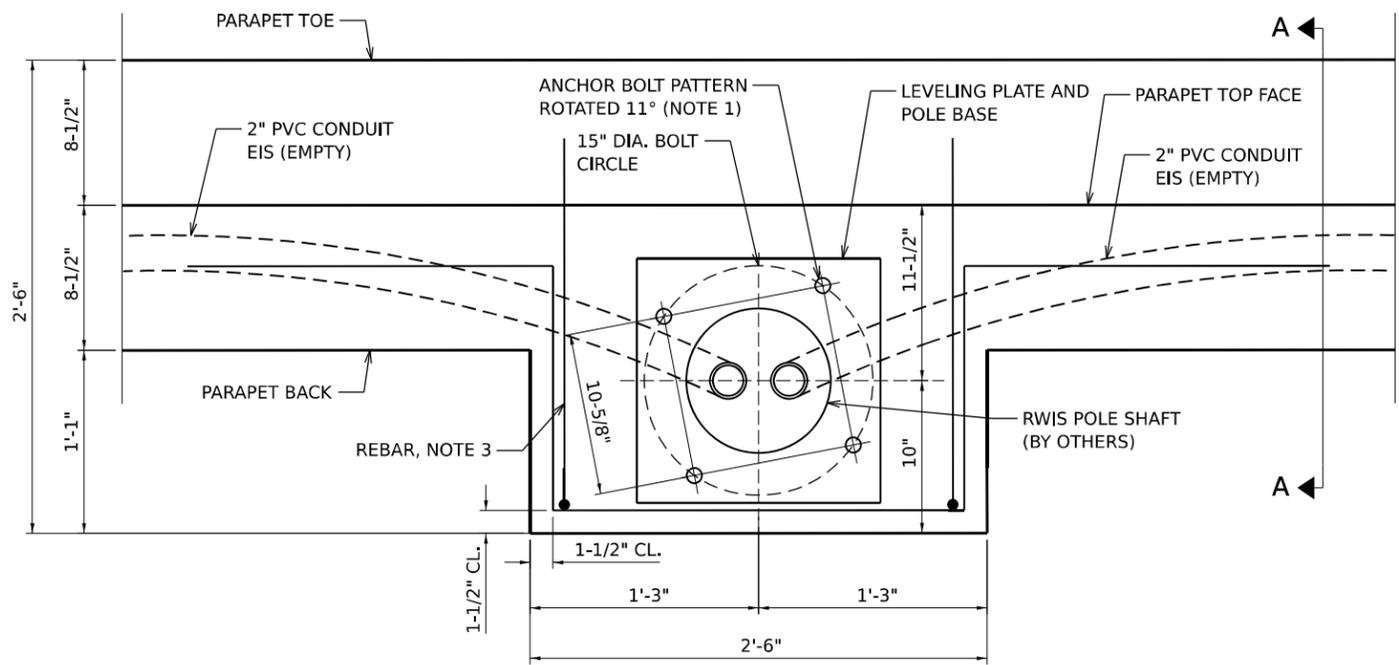
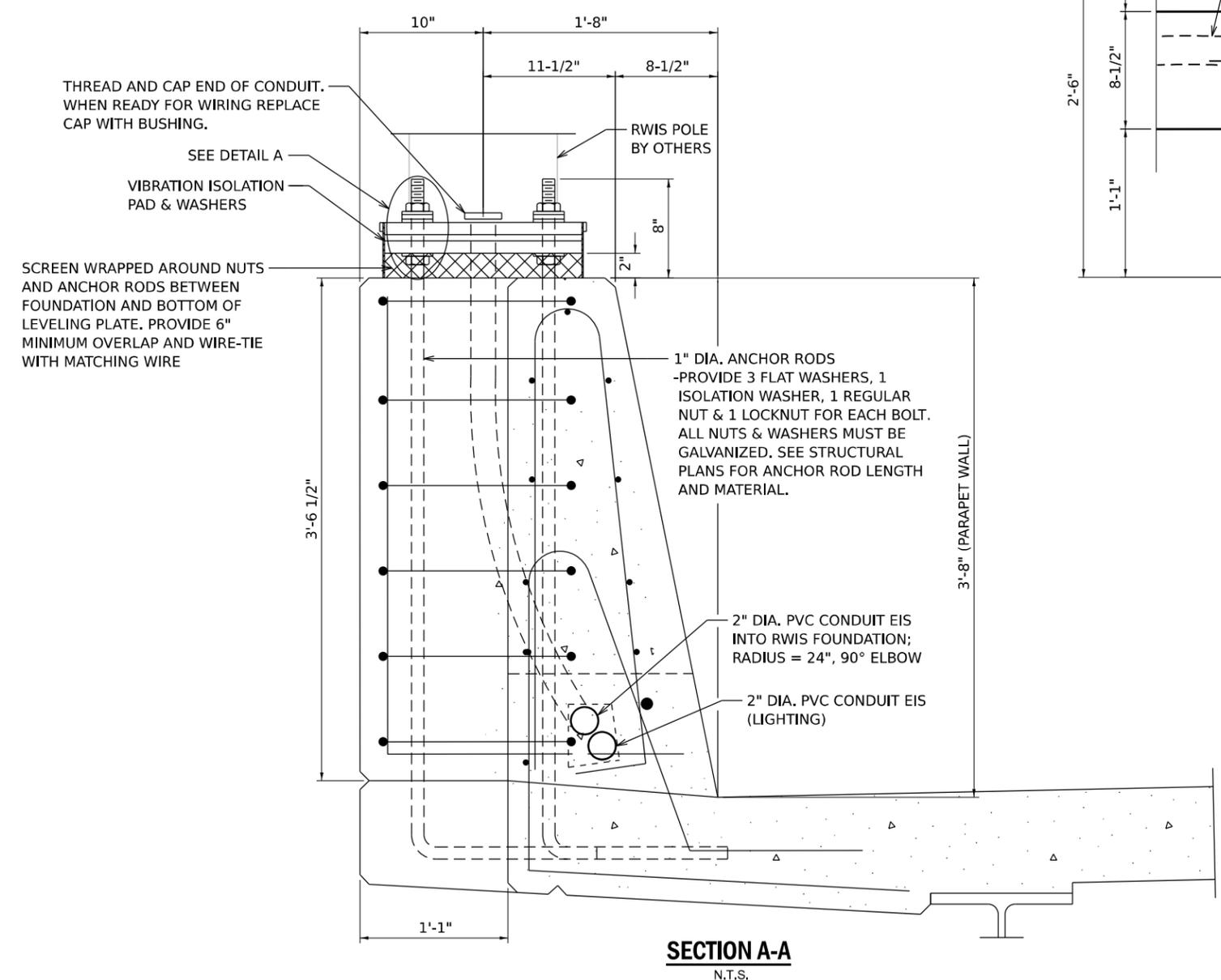
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
CAMERA MOUNTING ASSEMBLY**

SCALE: NTS SHEET 37 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	577
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

← I-80 EB SHOULDER



- NOTES**
1. ANCHOR BOLT PATTERN SHALL BE ROTATED BY 11° TO ALLOW RWIS POLE (BY OTHERS) TO FOLD DOWN INTO THE SHOULDER FOR MAINTENANCE.
 2. THE COST OF ANCHOR RODS IS INCLUDED WITH CONCRETE SUPERSTRUCTURE.
 3. SEE STRUCTURAL PLANS FOR ANCHOR ROD AND REBAR DETAILS.

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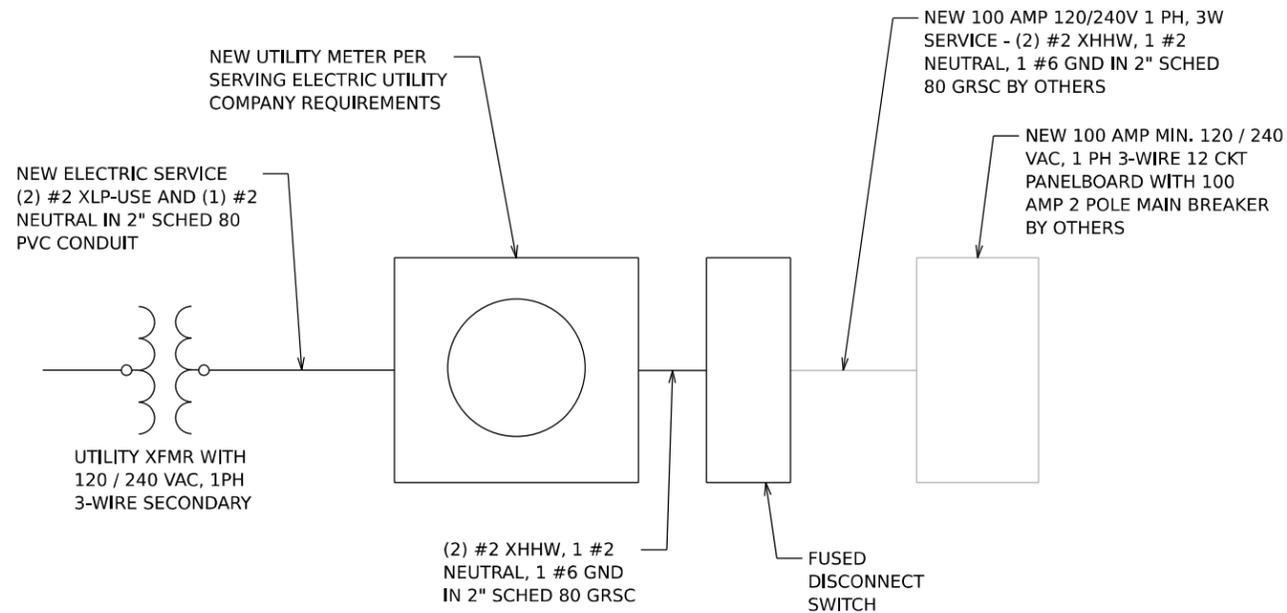
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	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS INFRASTRUCTURE DETAILS
RWIS SITE FOUNDATION DETAIL**

SCALE: NTS SHEET 38 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	578
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

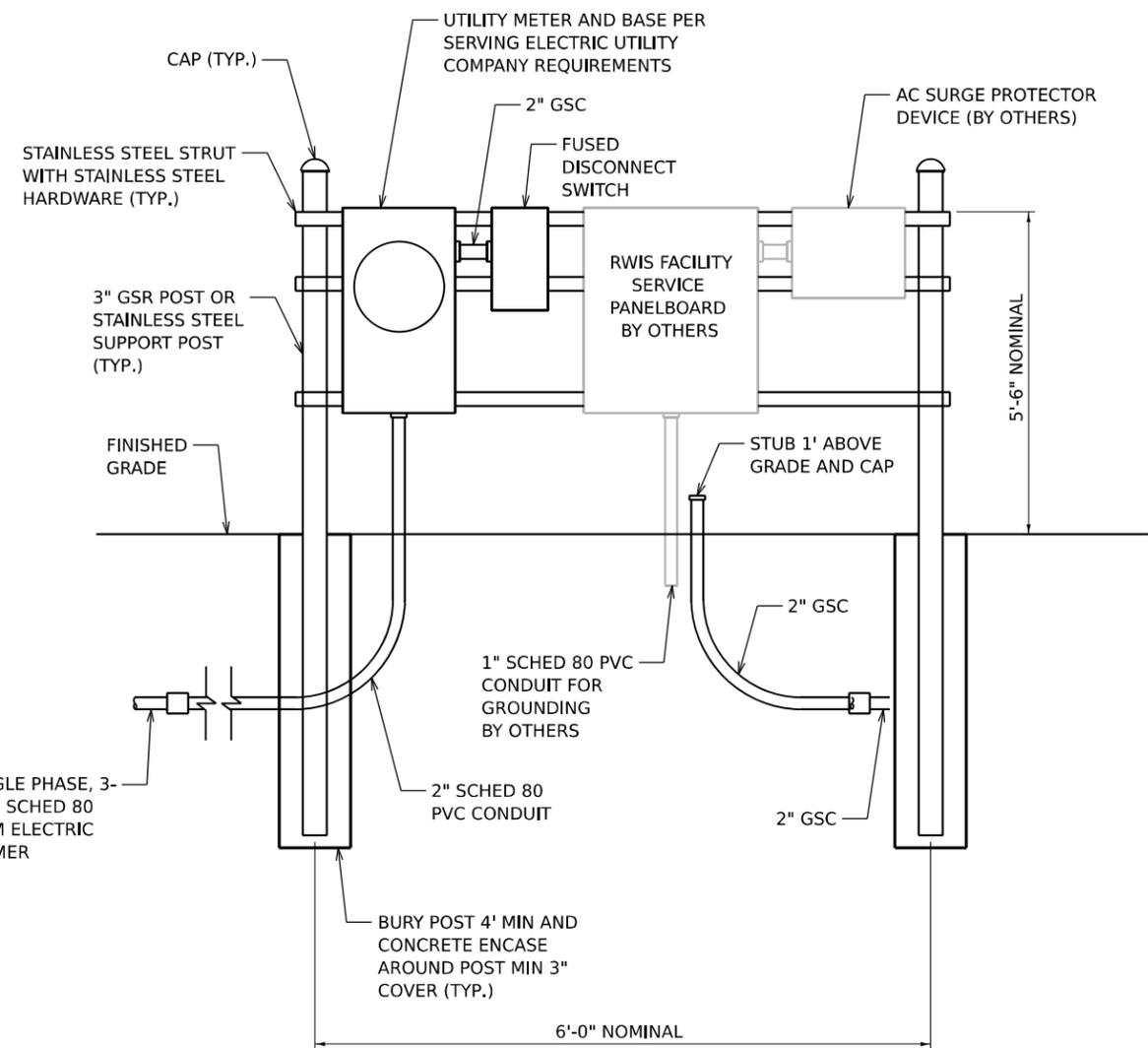


RWIS ELECTRIC SERVICE ONE-LINE DIAGRAM
N.T.S.

NOTES

1. VERIFY EXISTING CONDITIONS. MAINTAIN SAFETY OF PERSONNEL AT THE PROJECT SITE AND WORKING AT THE SITE. REPORT ANY DAMAGED OR NON-FUNCTIONING EQUIPMENT TO THE OWNER'S REPRESENTATIVE.
2. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNLE SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 POCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENGERGY (LOCKOUT/TAGOUT).
3. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 - NATIONAL ELECTRICAL CODE (NEW) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL/INTERTEK TESTING SERVICES VERIFICATION LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.
4. PROVIDE ADEQUATE CLEARANCE TO WORK AROUND AND OPERATE EQUIPMENT AND COMPLY WITH NATIONAL ELECTRICAL CODE 110.26 SPACES ABOUT ELECTRICAL EQUIPMENT.
5. COORDINATE ELECTRIC SERVICE WITH THE REPRESENTATIVE ELECTRIC UTILITY COMPANY AND VERIFY THEIR REQUIREMENTS.
6. ALL CONDUCTORS/WIRING SHALL BE COPPER.
7. CONCRETE SHALL BE 4,000 PSI AT 28 DAYS. CONCRETE MIX DESIGN SHALL BE APPROVED BY IDOT.
8. COORDINATE WITH IDOT RWIS INSTALLER.
9. UNLESS OTHERWISE INDICATED, ALL ITEMS AND WORK SHOWN SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
10. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY/CONDUCTORS AND CONDUIT TO POWER HANDHOLE SHALL BE MEASURED SEPARATELY FOR PAYMENT.

120 / 240 VAC, SINGLE PHASE, 3- WIRE SERVICE IN 2" SCHED 80 PVC CONDUIT FROM ELECTRIC UTILITY TRANSFORMER
NOTE 10



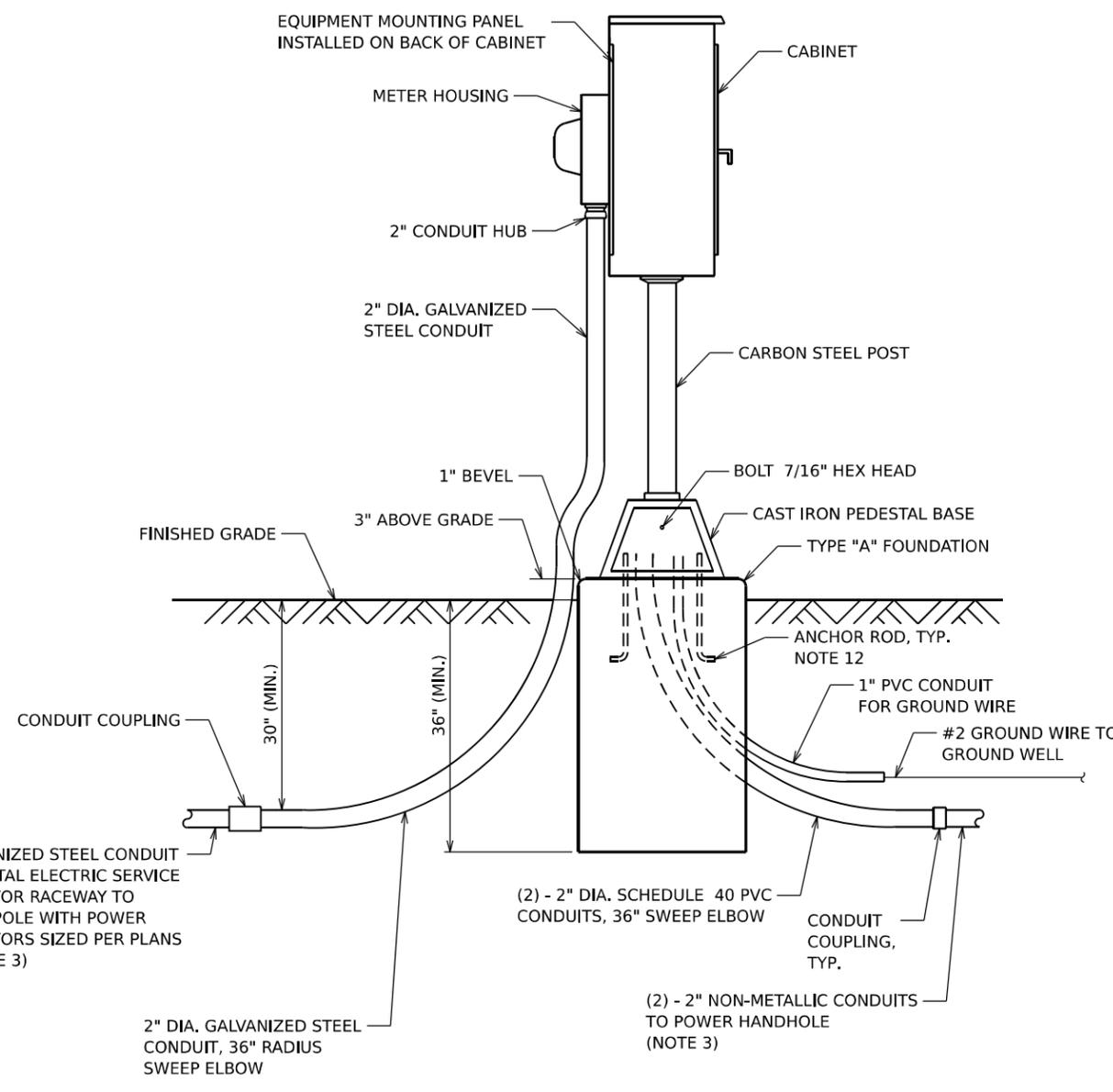
RWIS ELECTRIC SERVICE PANEL ELEVATION DETAIL
N.T.S.

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	DATE - 11/7/2025	REVISED -

RWIS ELECTRIC SERVICE METER DETAIL			
SCALE: NTS	SHEET 39	OF 41 SHEETS	STA. TO STA.

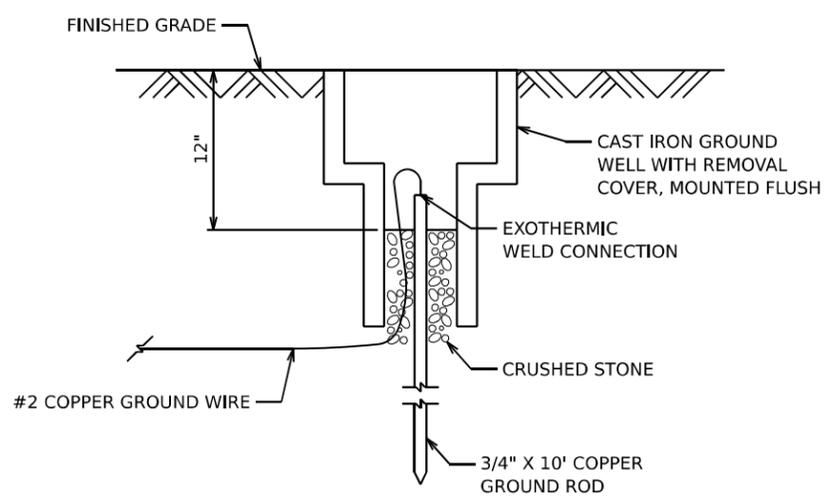
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	579
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



SERVICE PEDESTAL WITH METER

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ALL ITEMS AND WORK SHOWN SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY/CONDUCTORS AND NON-METALLIC CONDUITS TO POWER HANDHOLE SHALL BE MEASURED SEPARATELY FOR PAYMENT.
4. CABINETS, CABINET POSTS AND CABINET PEDESTALS SHALL BE PRIMED AND PAINTED. THE EXTERIOR SHALL HAVE TWO EPOXY FINISH COATS OF ANSI-61 GRAY. THE INTERIOR SHALL BE PAINTED WHITE.
5. METER HOUSING SHALL BE MOUNTED TO BACK WALL OF CABINET. PROVIDE A GATE IN ROW FENCE TO ALLOW UTILITY ACCESS TO READ THE METER.
6. CABLES FROM METER HOUSING SHALL PASS THROUGH BACK WALL OF CABINET.
7. METER HOUSING SHALL BE AS REQUIRED BY THE UTILITY.
8. THE CABINET SHALL BE 36"H X 20"W X 15"D, FABRICATED FROM ALUMINUM WITH A MINIMUM THICKNESS OF .125", RATED NEMA TYPE 3R AND HAVE A MOUNTING BACK PLATE.
9. THE CABINET DOOR SHALL HAVE A CONTINUOUS HINGE THAT IS BOLTED TO THE CABINET AND DOOR WITH 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND NY-LOCK NUTS. THE HINGE SHALL BE INSTALLED ON THE RIGHT SIDE WHEN FACING THE CABINET AND BE MADE OF STAINLESS STEEL WITH A 0.25 INCH DIAMETER STAINLESS STEEL HINGE PIN. THE HINGE PIN SHALL BE CAPPED TOP AND BOTTOM BY WELD TO RENDER IT TAMPER-PROOF. THE CABINET SHALL HAVE A GASKET THAT FORMS A WEATHER-TIGHT SEAL BETWEEN THE CABINET AND DOOR. THE DOOR LATCHING MECHANISM SHALL BE THE 3-POINT DRAW ROLLER TYPE. WHEN THE DOOR IS CLOSED AND LATCHED, IT WILL BE LOCKED. THE LATCHING HANDLE SHALL BE FABRICATED FROM A 0.75" STAINLESS STEEL ROUND BAR AND SHALL HAVE A PROVISION FOR PADLOCKING IN THE CLOSED POSITION.
10. THE ENCLOSURE SHALL BE EQUIPPED WITH TWO ADJUSTABLE "C" MOUNTING CHANNELS WELDED ON BOTH SIDE WALLS AND BACK WALL OF THE ENCLOSURE, ALLOWING VERSATILE POSITIONING OF SHELVES OR PANELS. MOUNTING CHANNELS SHALL BE FACTORY PAINTED SAME COLOR AS INTERIOR OF CABINET.
11. CABINET DOOR SHALL NOT HAVE COMPARTMENT DOORS OR LOUVERS. INTERIOR OF CABINET DOOR SHALL HAVE A PLASTIC POCKET FOR WIRING SCHEMATIC.
12. CONTRACTOR MUST COORDINATE WITH PEDESTAL BASE SUPPLIER AND FURNISH THE NECESSARY ANCHOR RODS.
13. THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE ASSEMBLED BY A UL 508A INDUSTRIAL CONTROL PANEL FABRICATOR. THE PANEL ASSEMBLY SHALL BE UL LABELED AND SUITABLE FOR USE AS SERVICE EQUIPMENT.
14. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.
15. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY. FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



GROUND WELL DETAIL

N.T.S.

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DRAWN - DJM	REVISIONS -	
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS CAMERA SERVICE METER PEDESTAL DETAIL			
SCALE: NTS	SHEET 40	OF 41 SHEETS	STA. TO STA.

F.A.I. RTE. 80	SECTION FAI 80 21 STRUCTURE 2	COUNTY WILL	TOTAL SHEETS 1230	SHEET NO. 580
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

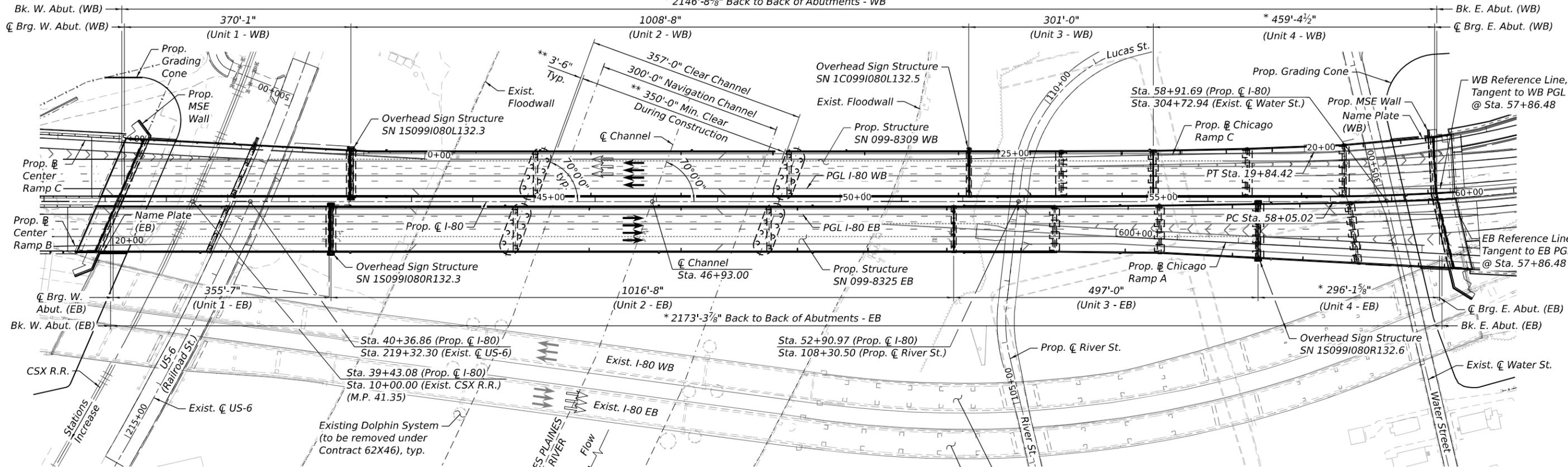
Benchmark: Magnetic nail in pavement, $\text{C}\ell$ I-80 Sta. 38+10.02, Offset 504.24' Rt., Elev. 538.845.

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'-7 $\frac{1}{2}$ " 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'-7 $\frac{1}{2}$ " 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.

* 2146'-8 $\frac{1}{8}$ " Back to Back of Abutments - WB



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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.



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.	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	35500	13001	13551	540.53	0.06	0.02	540.59	540.55	

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	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.



Patrick J. Laux 09/12/2025

Patrick J. Laux, P.E., S.E.
 State of Illinois Lic. No. 081-007655
 License Expires 11-30-2026.
 This stamp applies to sheets S-1 thru S-333

PLAN

DESIGN STRESSES

FIELD UNITS

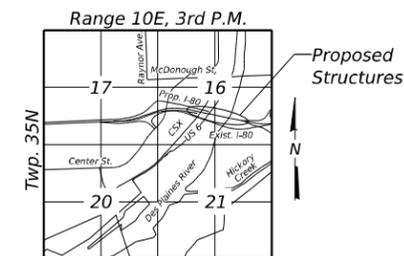
- $f'_c = 3,500$ psi
- $f'_c = 4,000$ psi (Superstructure)
- $f'_c = 5,000$ psi (Pier 3 & 4 Drilled Shaft)
- $f'_c = 60,000$ psi (Reinforcement)
- $f'_y = 50,000$ psi (M270 Grade 50, Units 3 & 4)
- $f'_y = 50,000$ psi (M270 Grade 50W, Units 1 & 2)
- $f'_y = 70,000$ psi (M270 Grade HPS 70W, Unit 2 Flanges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

PRECAST PRESTRESSED UNITS

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

NOTES:

1. See sheet S-2 & S-3 for General Plan & Elevations.
2. 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

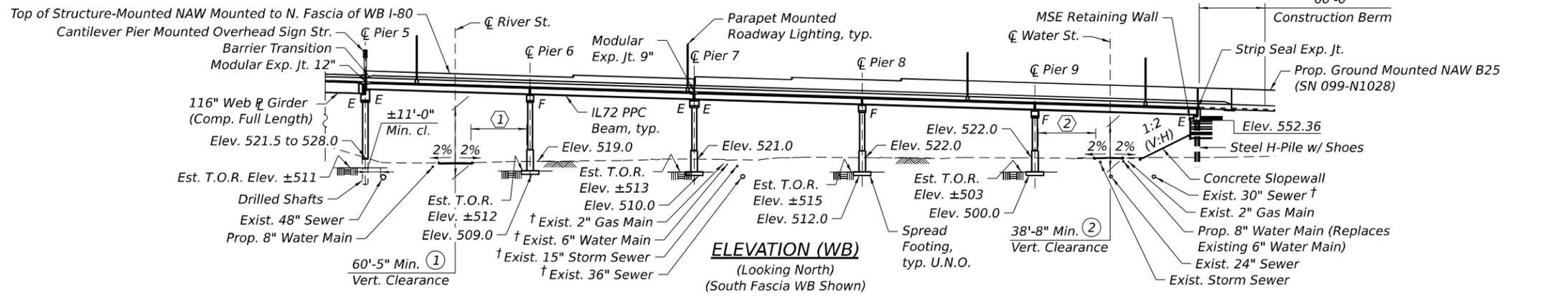
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R23	



USER NAME	DESIGNED	REVISIONS
USSJ696614	PSK	-
	CHECKED	PJL
	REVISIONS	-
	DRAWN	PSK
	REVISIONS	-
	CHECKED	PJL
	REVISIONS	-



- * 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

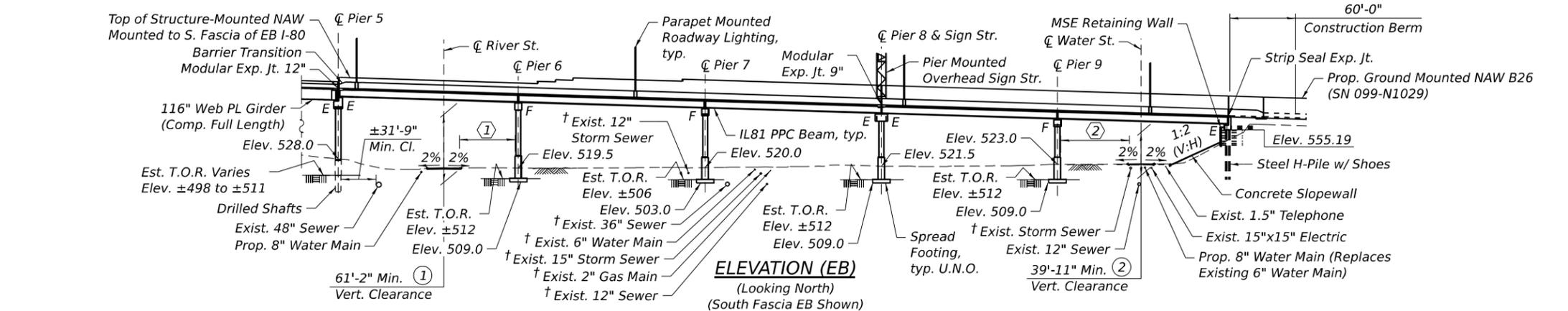
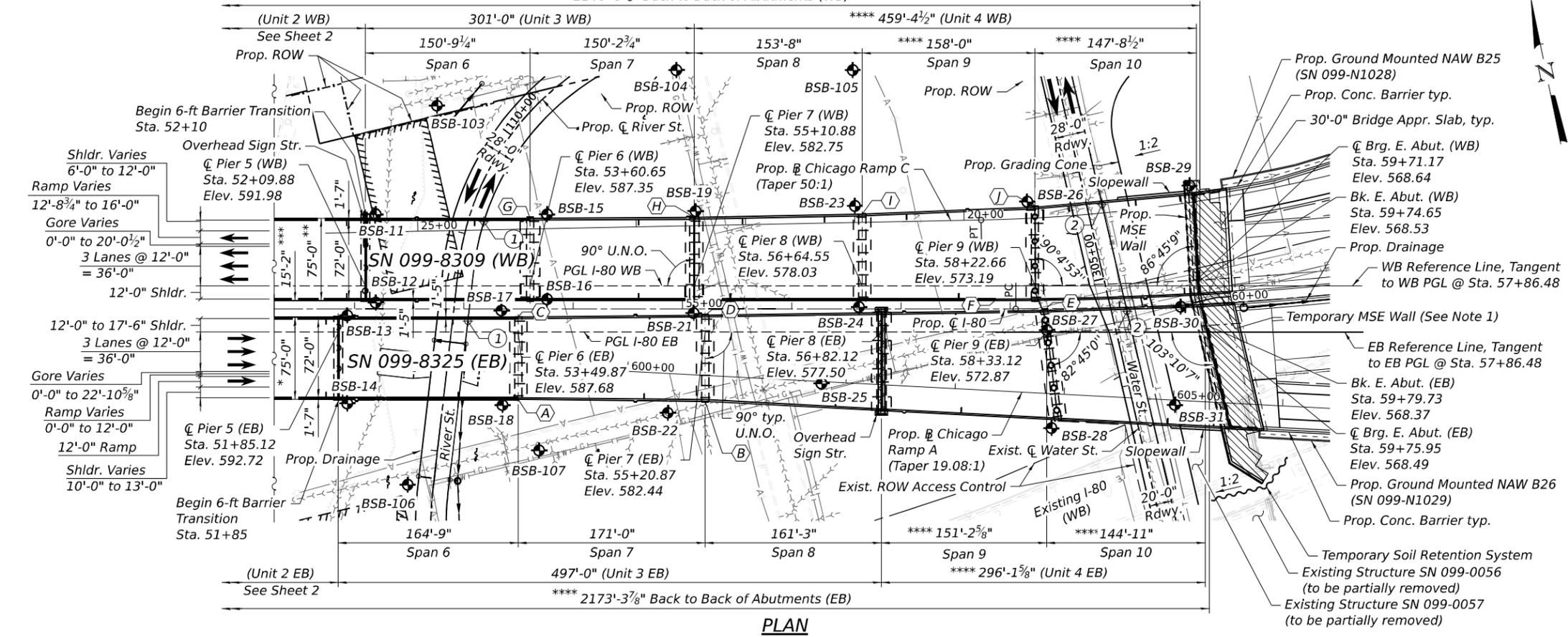
DECK TAPER STATIONS & OFFSETS
Measured From Prop. ¶ I-80

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

LEGEND

- ◆ Indicates Boring Location
- Ⓜ Location of Min. Horiz. Clearance
- Ⓜ Location of Min. Vert. Clearance
- (A) 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 ¶ I-80.



USER NAME = US51696614	DESIGNED - PSK	REVISD -
PLOT SCALE = 1/20,000' / in.	CHECKED - PJJ	REVISD -
PLOT DATE = 11/5/2025	DRAWN - PSK	REVISD -
	CHECKED - PJJ	REVISD -

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
ILLINOIS			CONTRACT NO. 62R23	
FED. AID PROJECT				

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 metallized 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 "Removal of Existing Structures." The cost is included with Removal of Existing Structures.
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 in each of the "Coffercell (Location - 1, 2, 3, 4)" pay items.
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.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET 5-5 OF 5-333 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		

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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. If Contractor has the potential to penetrate the deck during the deck rehabilitation work, then Contractor will be required to install falsework/demo shield protection directly over the CSXT Railroad span. The falsework/demo shield protection will be installed prior to the deck being penetrated and will stay in place for the duration of the construction activities. The falsework/demo shield shall be designed and constructed in accordance to CSXT's Construction Submission Criteria.

6. 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.

7. 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.

8. 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

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.

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WSP USA Inc.
 30 N. LA SALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

USER NAME = USSJ696614	DESIGNED - PSK	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = 0.167' / in.	DRAWN - PSK	REVISED -
PLOT DATE = 11/5/2025	CHECKED - PJL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES 2
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	587
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

TOTAL BILL OF MATERIAL

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
Boring Drilling for Pier Foundations	Each	-	2	-	2	4

**WB NOISE ABATEMENT WALL
LOCATION, HEIGHT AND WEIGHT TABLE**

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

**EB NOISE ABATEMENT WALL
LOCATION, HEIGHT AND WEIGHT TABLE**

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

Note:
See Noise Abatement Wall Plans for additional notes and details and see Special Provisions.

DESIGN LOADS

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

STA. 46+93.00
BUILT 20XX BY
STATE OF ILLINOIS
F.A.I. RTE. 80 - SEC. FAI 80 21 STRUCTURE 2
LOADING HL-93
STR. NO. 099-8309 WB

NAME PLATE (WB)
See Std. 515001

STA. 46+93.00
BUILT 20XX BY
STATE OF ILLINOIS
F.A.I. RTE. 80 - SEC. FAI 80 21 STRUCTURE 2
LOADING HL-93
STR. NO. 099-8325 EB

NAME PLATE (EB)
See Std. 515001

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOTAL BILL OF MATERIAL
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB**

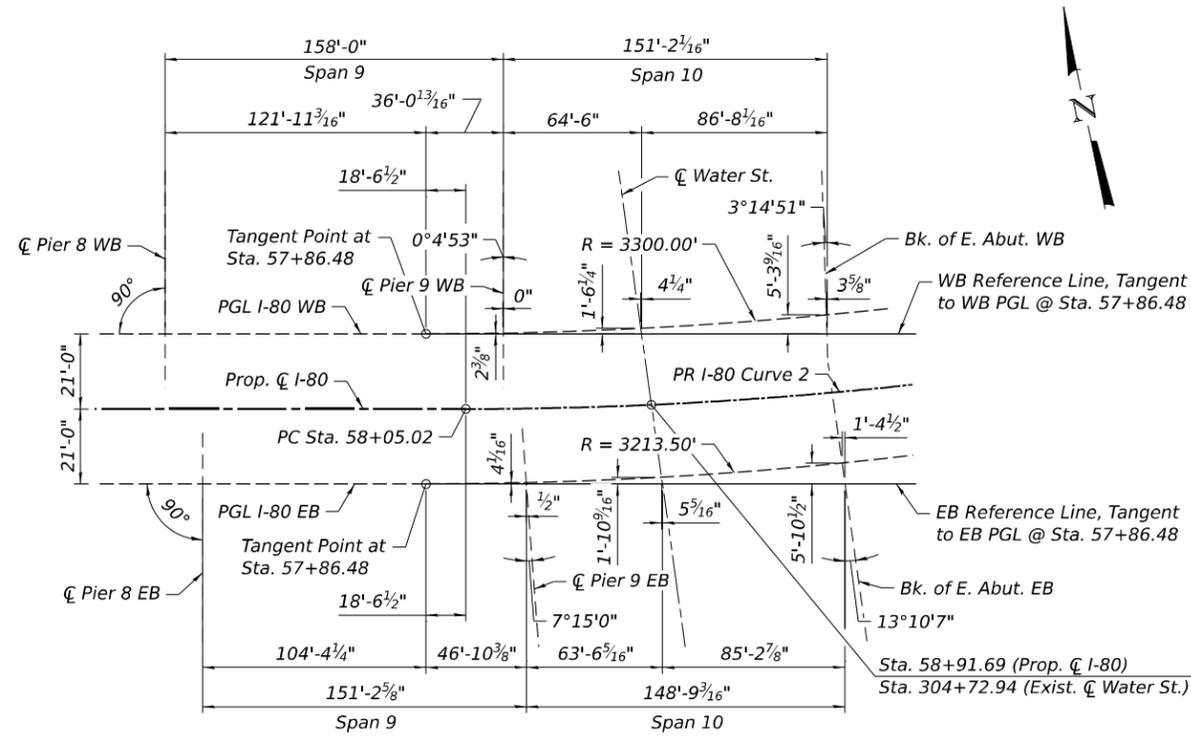
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	588
ILLINOIS			FED. AID PROJECT	

SHEET 5-7 OF 5-333 SHEETS

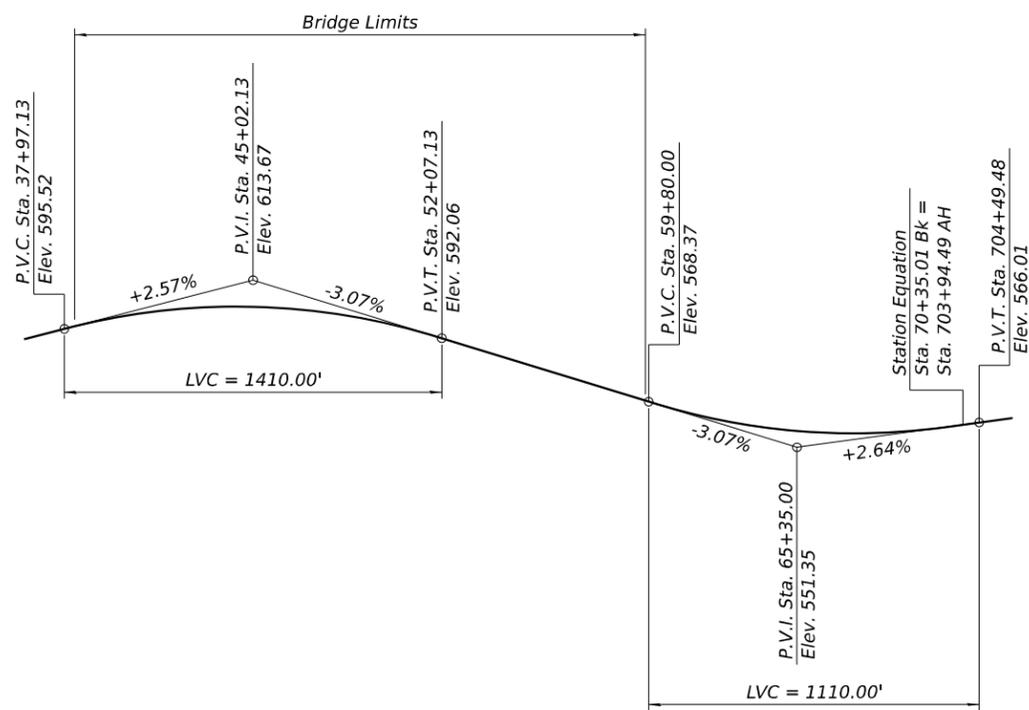
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PLOT DATE = 11/5/2025	DRAWN - PSK	REVISED -
	CHECKED - PJL	REVISED -



OFFSET SKETCH



I-80 PROPOSED PROFILE GRADE (EB & WB)

The Profile Grade shows the final grade after grinding.

CURVE DATA

PR CURVE PR-I80-2
 P.I. Sta. = 64+27.70
 $\Delta = 22^\circ 01' 22''$ (LT)
 $D = 01^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 622.68'$
 $L = 1,229.99'$
 $E = 60.02'$
 $e = 5.2\%$
 $T.R. (EB) = 75'$
 $T.R. (WB) = 93'$
 $S.E. \text{ Runoff} (EB) = 312'$
 $S.E. \text{ Runoff} (WB) = 390'$
 $P.C. \text{ Sta.} = 58+05.02$
 $P.T. \text{ Sta.} = 703+94.49$

CURVE DATA

PR CURVE US6-1
 P.I. Sta. = 221+98.26
 $\Delta = 20^\circ 18' 37''$ (LT)
 $D = 01^\circ 29' 35''$
 $R = 3,837.54'$
 $T = 687.38'$
 $L = 1,360.34'$
 $E = 61.08'$
 $P.C. \text{ Sta.} = 215+10.87$
 $P.T. \text{ Sta.} = 228+71.21$

CURVE DATA

PR CURVE CHICAGO-C-3
 P.I. Sta. = 17+86.92
 $\Delta = 15^\circ 10' 38''$ (RT)
 $D = 03^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 199.84'$
 $L = 397.34'$
 $E = 13.25'$
 $T.R. = N.A.$
 $S.E. \text{ Runoff} = 128'$
 $P.C. \text{ Sta.} = 15+87.08$
 $P.T. \text{ Sta.} = 19+84.42$

CURVE DATA

PR CURVE RIVER-2
 P.I. Sta. = 110+43.93
 $\Delta = 69^\circ 58' 03''$ (RT)
 $D = 22^\circ 55' 06''$
 $R = 250.00'$
 $T = 174.95'$
 $L = 305.29'$
 $E = 55.13'$
 $P.C. \text{ Sta.} = 108+68.98$
 $P.T. \text{ Sta.} = 111+74.27$

EB LIGHT POLE LOCATIONS TABLE

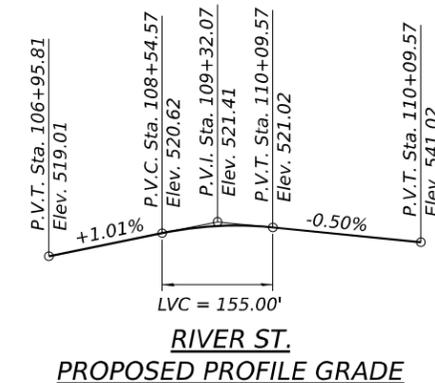
Station	Offset (ft)
39+55	13.7 LT
39+55	61.7 RT
42+00	13.7 LT
42+00	61.7 RT
44+53	13.7 LT
44+53	61.7 RT
47+04	13.7 LT
47+04	61.7 RT
49+55	13.7 LT
49+55	61.7 RT
52+08	13.7 LT
52+08	61.8 RT
54+57	14.8 LT
54+57	62.9 RT
57+03	18.0 LT
57+03	73.1 RT
59+24	20.0 LT
59+24	88.0 RT

WB LIGHT POLE LOCATIONS TABLE

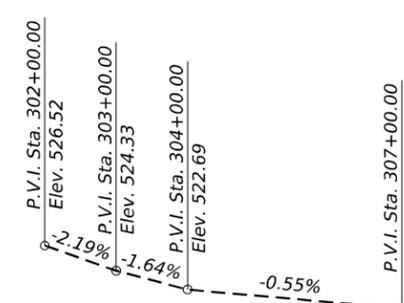
Station	Offset (ft)
40+11	73.3 LT
40+11	13.7 RT
42+59	61.7 LT
42+59	13.7 RT
45+10	61.7 LT
45+10	13.7 RT
47+58	61.7 LT
47+58	13.7 RT
50+10	61.7 LT
50+10	13.7 RT
52+57	61.8 LT
52+57	13.7 RT
55+05	62.6 LT
55+05	13.7 RT
57+61	69.5 LT
57+61	13.7 RT
59+24	13.7 RT

EB RWIS POLE LOCATION TABLE

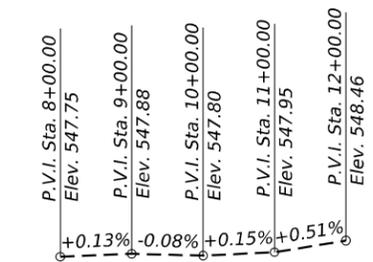
Station	Offset (ft)
59+62.00	20.30 LT



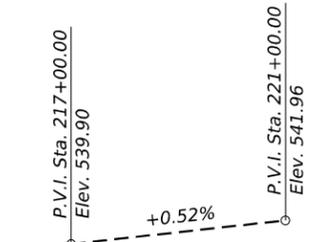
RIVER ST. PROPOSED PROFILE GRADE



WATER ST. EXISTING PROFILE GRADE



CSX R.R. (M.P. 41.35) EXISTING PROFILE GRADE



RAILROAD ST. (US-6) EXISTING PROFILE GRADE

- NOTES:**
- Light pole and RWIS pole offsets are measured relative to the respective profile grade lines.
 - For scupper locations tables, see sheet S-189.

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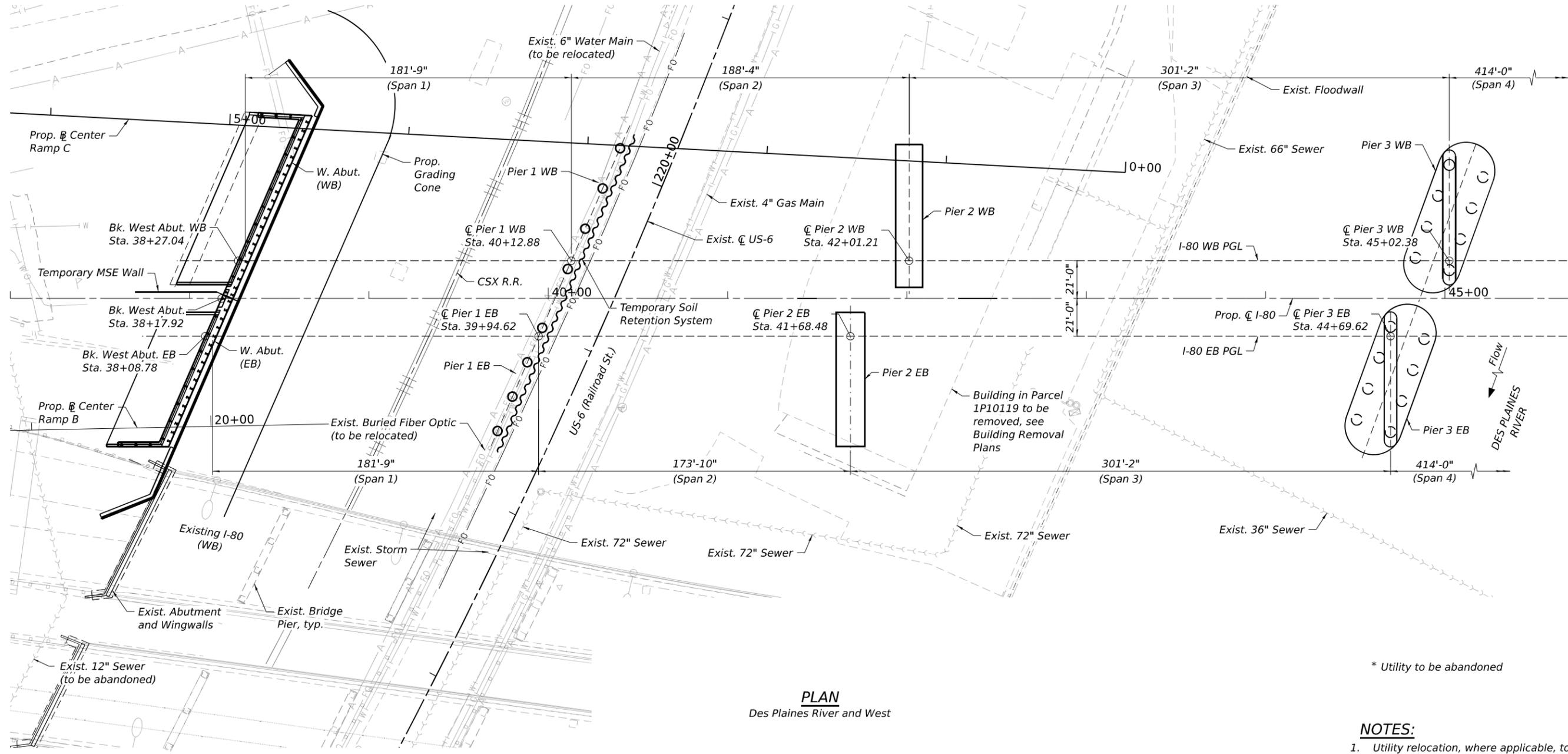


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PLOT DATE = 11/5/2025	DRAWN - PSK	REVISED -
	CHECKED - PJL	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA 1
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	589
ILLINOIS			FED. AID PROJECT	



PLAN
Des Plaines River and West

* Utility to be abandoned

NOTES:

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

LEGEND

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

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 WSP USA Inc.
 30 N. LA SALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

WSP	USER NAME = USSJ696614	DESIGNED - PSK	REVISED -
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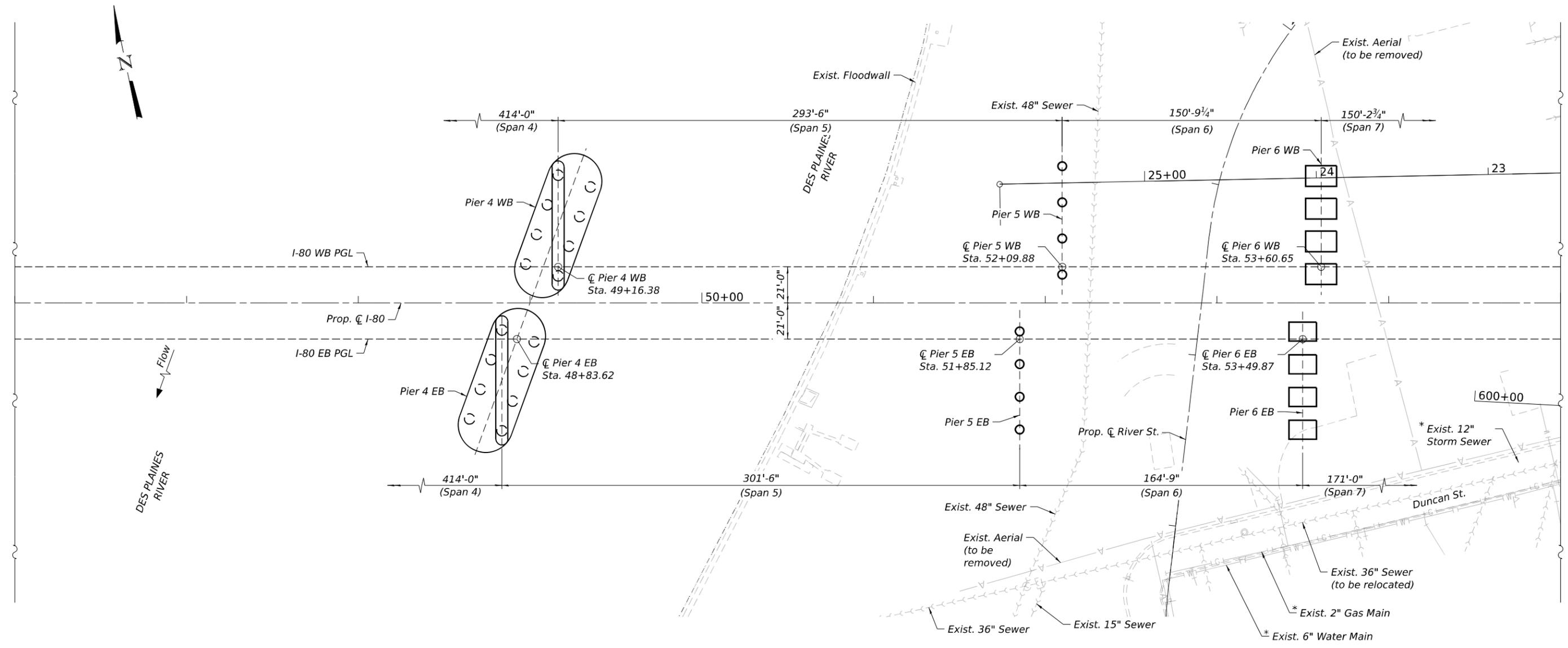
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R23	

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PLAN
Des Plaines River and East

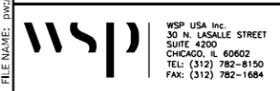
* Utility to be abandoned

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.
- Existing Duncan Street and portions of Kiep Avenue below the proposed bridge to be removed in the building demolition contract.

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		



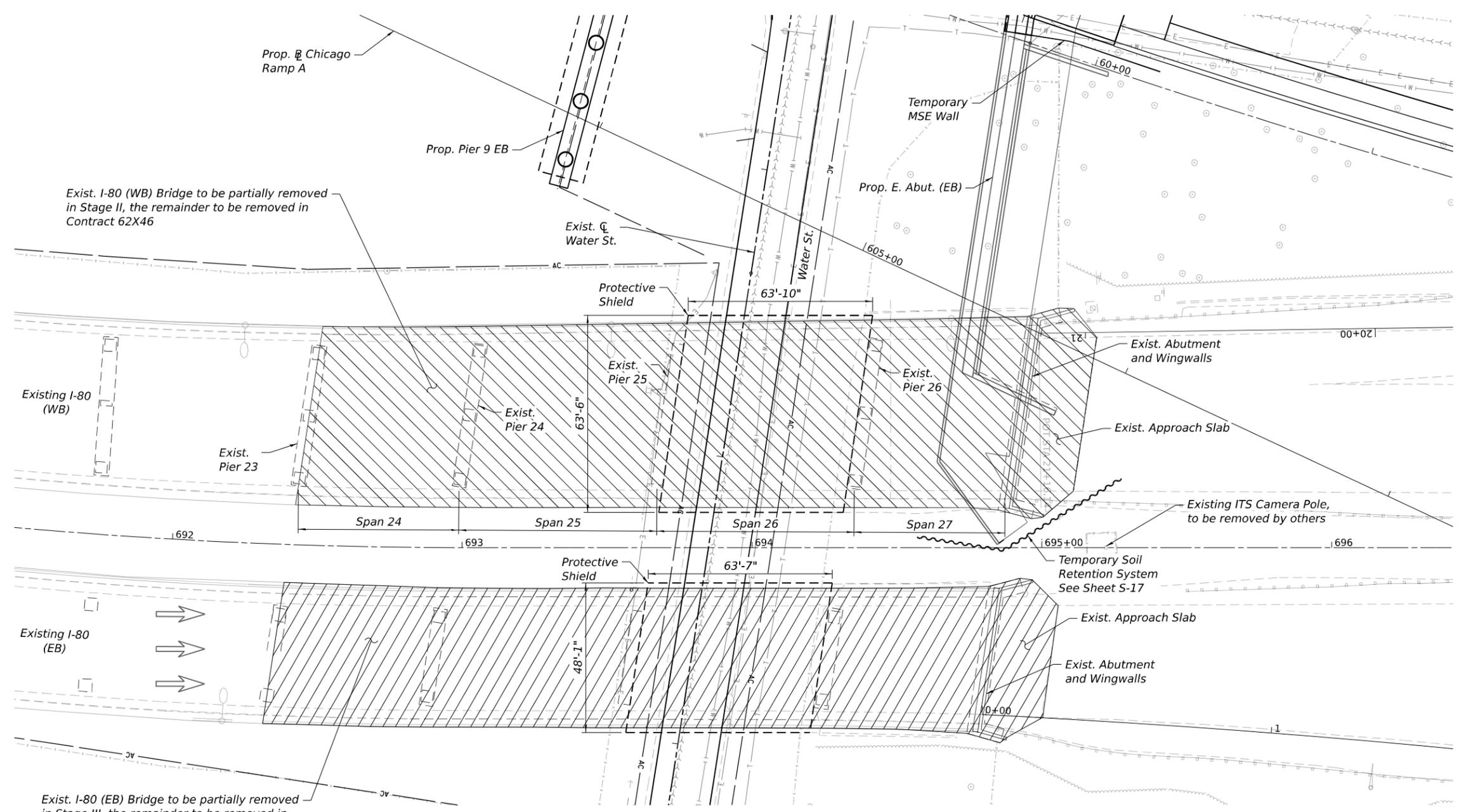
WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

USER NAME = USSJ696614	DESIGNED - PSK	REVISED -
PLOT SCALE = 60,000' / in.	CHECKED - PJL	REVISED -
PLOT DATE = 11/5/2025	DRAWN - KA	REVISED -
	CHECKED - PJL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE LAYOUT 2
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	592
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R23	



PARTIAL REMOVAL PLAN - STAGE II & III
(East Spans)

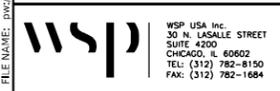
PARTIAL STRUCTURE REMOVAL NOTES - EAST SPANS:

- The existing I-80 WB & EB bridges removed in this contract include the following components:
 - The entire 4-span continuous steel beam-slab superstructures from Span 24 to Span 27
 - The entire east approach slabs
 - The entire Exist. East abutments, including wingwalls
 - The entire Exist. Pier 26
- The remaining portions of the existing WB & EB bridges not removed in this contract are to be removed in Contract 62X46.
- Stage I construction consists of WB proposed bridge, and EB proposed substructure except portions of west and east abutment and MSE wall as shown.
- Remaining portions of the Prop. East Abutment and MSE wall to be built during Stage II construction.

LEGEND

- >->->->- Existing Sewer
- |W|- Existing Water Main
- |G|- Existing Gas Main
- |FO|- Existing Fiber Optic
- |E|- Existing Electric
- |T|- Existing Telephone
- |A|- Existing Aerial
- >->- Existing Drainage
- Existing ROW
- AC - Existing ROW for Access Control
- - - Proposed ROW
- ||||| Permanent Easement
- ➔ Stage II Traffic
- ▨ Removal of Existing Structures No. 1
- ▩ Removal of Existing Structures No. 2

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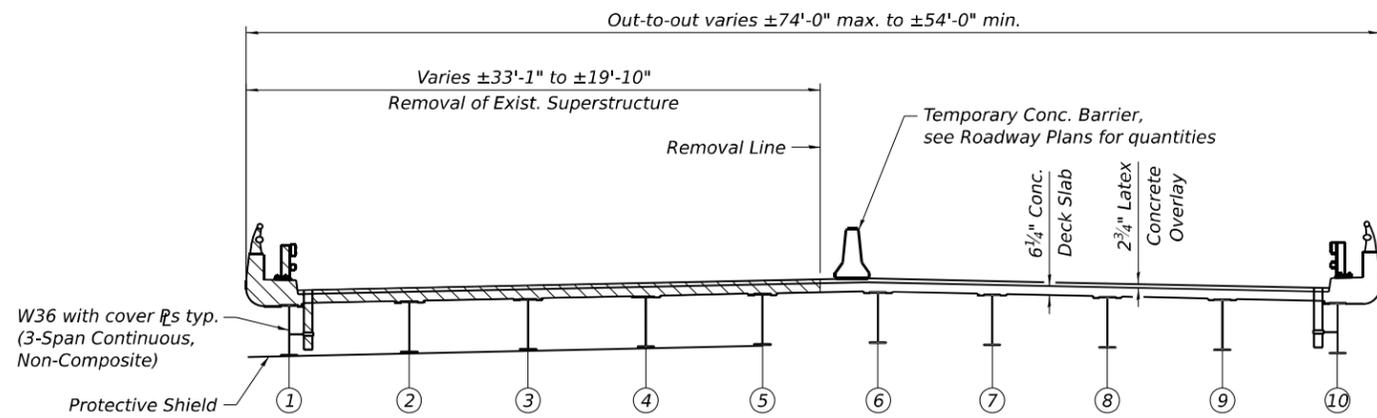
WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4000
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

USER NAME = USSJ696614	DESIGNED - GM	REVISED -
	CHECKED - PJL	REVISED -
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PLOT DATE = 11/5/2025	CHECKED - PJL	REVISED -

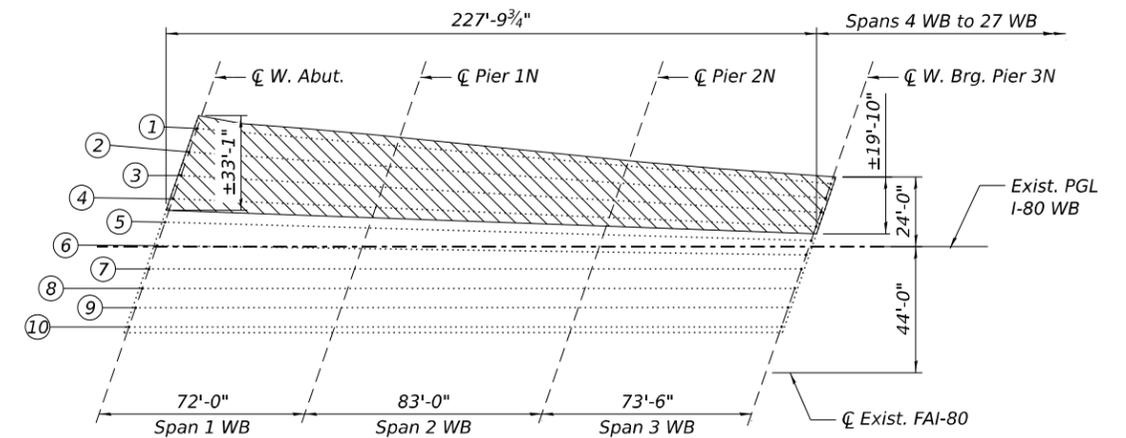
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE REMOVAL 2
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

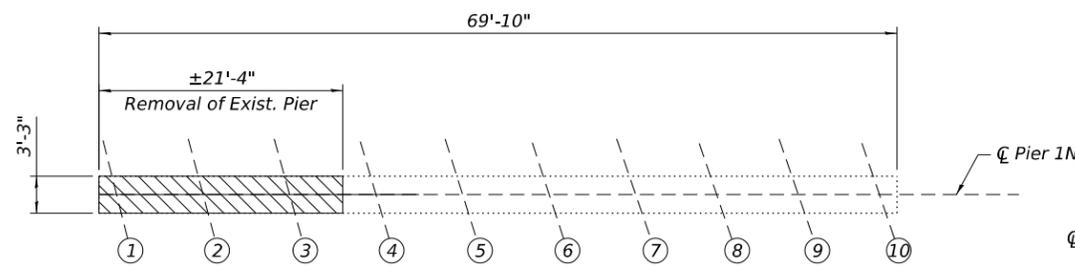
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	595
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



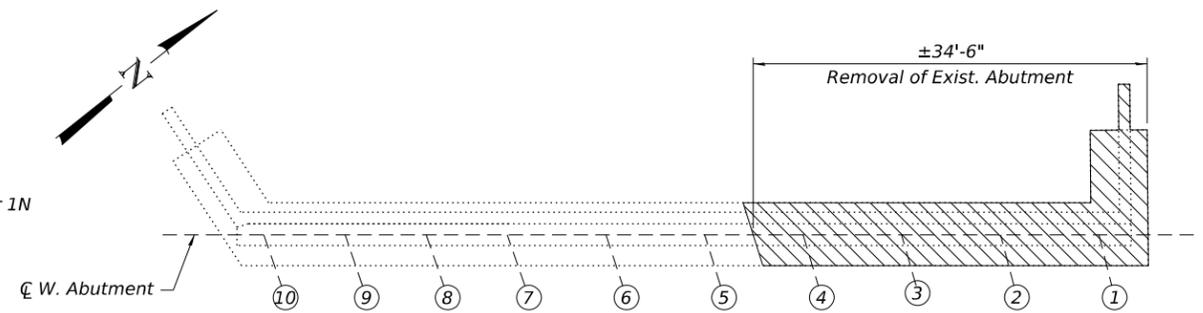
CROSS SECTION - EXISTING I-80 SUPERSTRUCTURE
(Looking East)



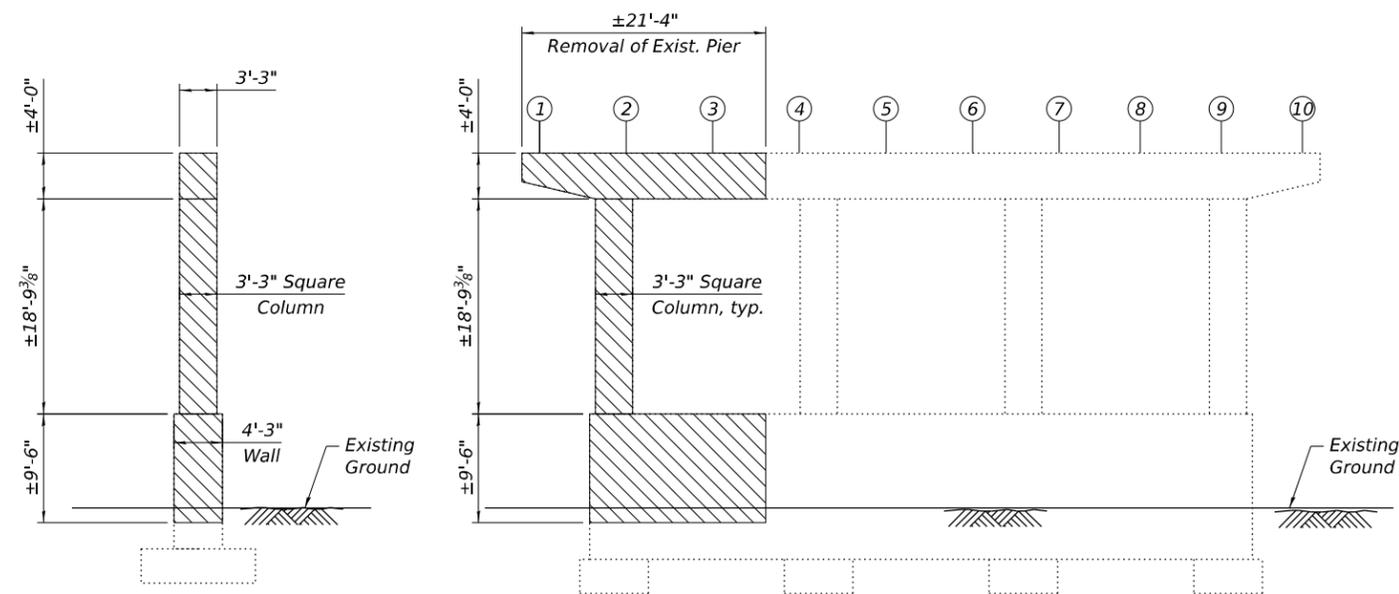
PLAN - EXISTING I-80 WB SUPERSTRUCTURE



PLAN - EXISTING PIER 1N



PLAN - EXISTING W. ABUTMENT



END VIEW - EXISTING PIER 1N
(Looking South)

ELEVATION - EXISTING PIER 1N
(Looking East)

LEGEND

Existing Structure Removal No. 1

NOTES:

1. Removal lines are different for the superstructure and substructure.
2. For Temporary Concrete Barrier details, See Sheet S-20.

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WSP USA Inc.
 30 N. LA SALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

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REVISOR -	
REVISIONS -	
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DRAWN -	GM
CHECKED -	PJL
REVISOR -	
PLLOT DATE =	11/5/2025

DESIGNED -	GM
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REVISOR -	
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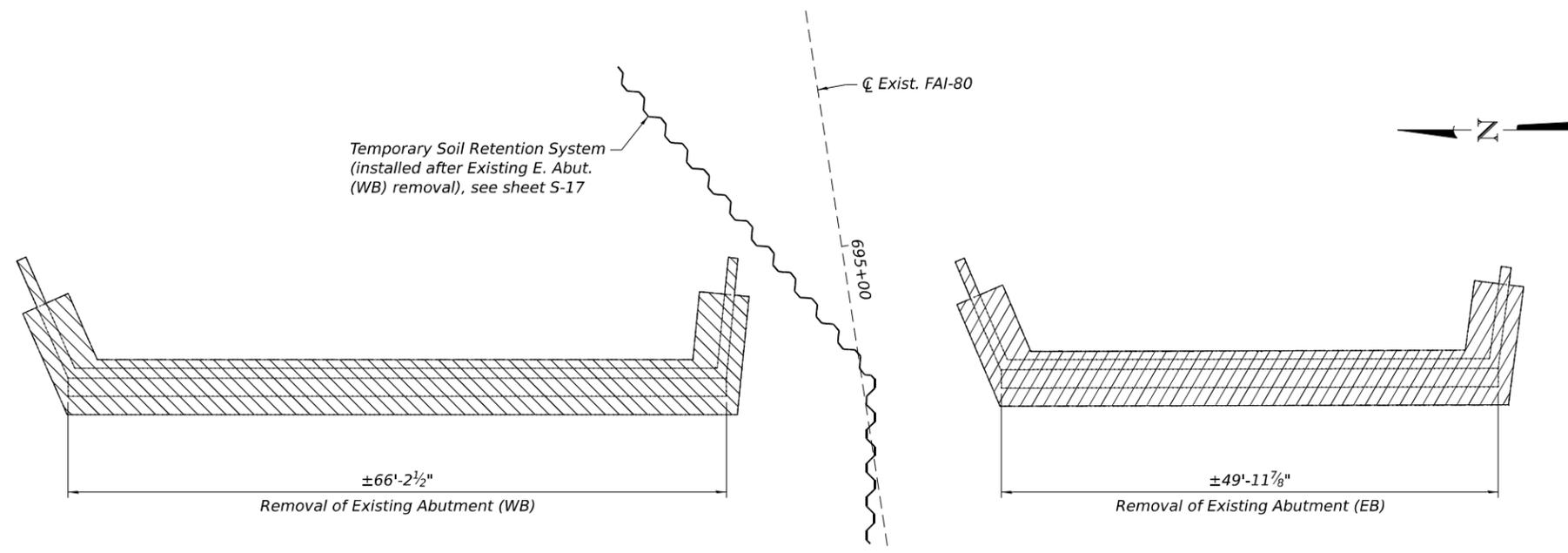
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE REMOVAL 3
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

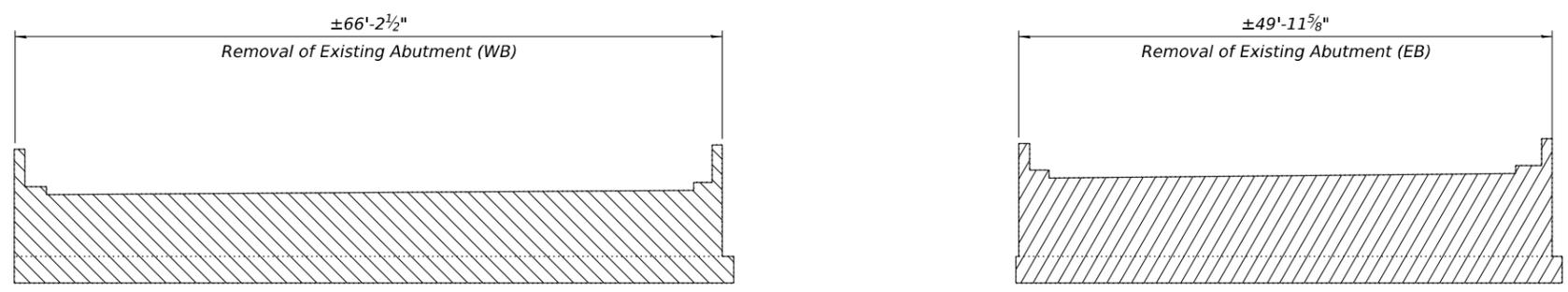
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	596
CONTRACT NO. 62R23				

SHEET 5-15 OF 5-333 SHEETS

ILLINOIS FED. AID PROJECT



PLAN - EXISTING E. ABUTMENT

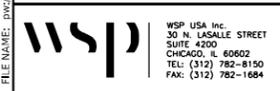


ELEVATION - EXISTING E. ABUTMENT
(Looking East)

LEGEND

- Existing Structure Removal No. 1
- Existing Structure Removal No. 2

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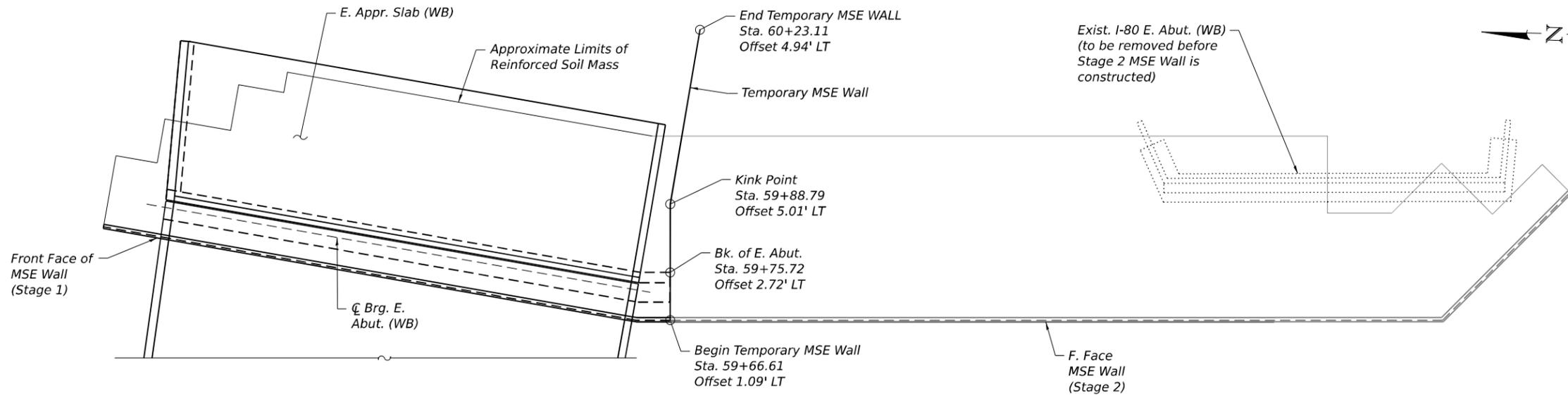
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

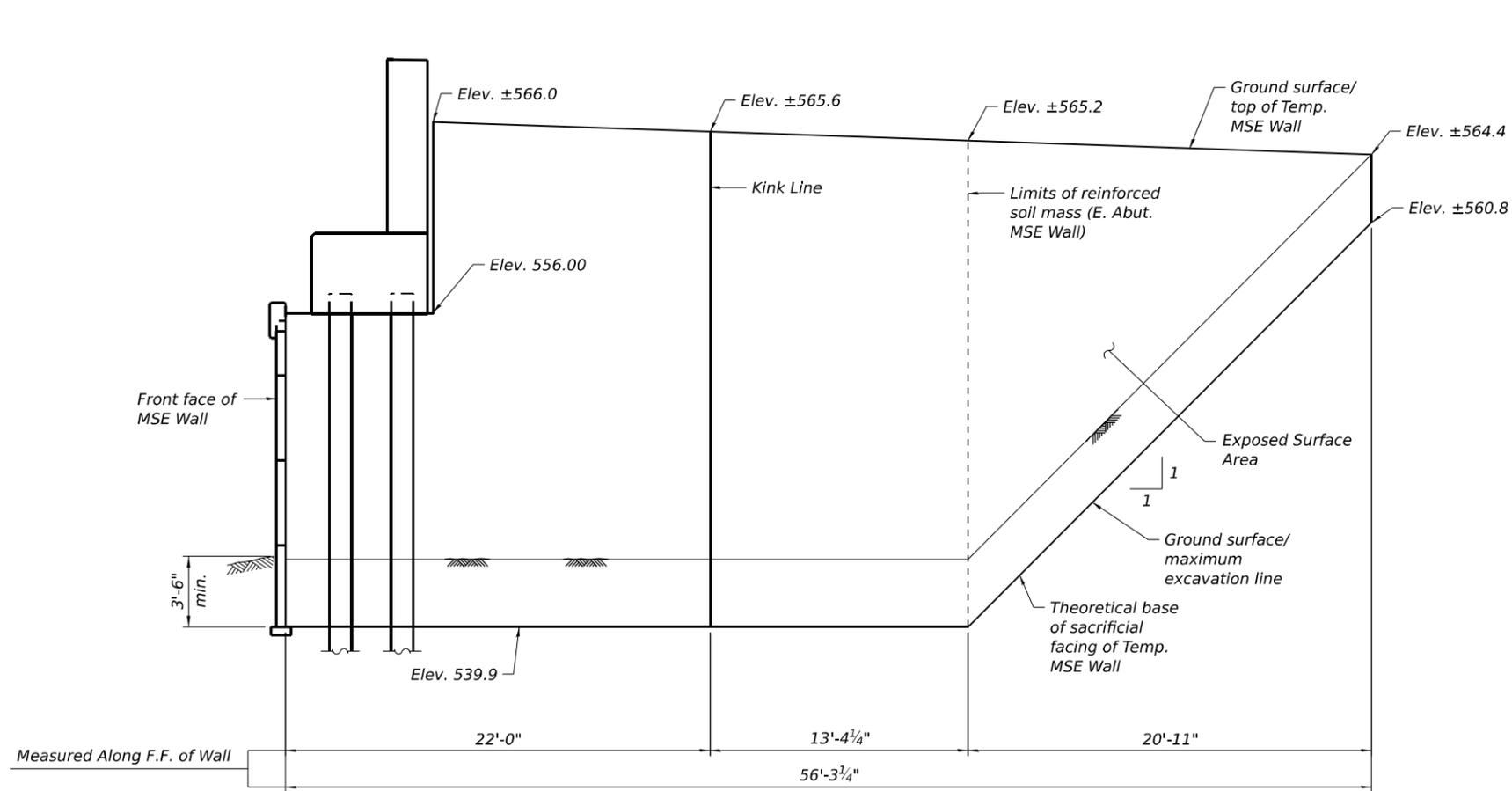
EXISTING STRUCTURE REMOVAL 4
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

SHEET 5-16 OF 5-333 SHEETS

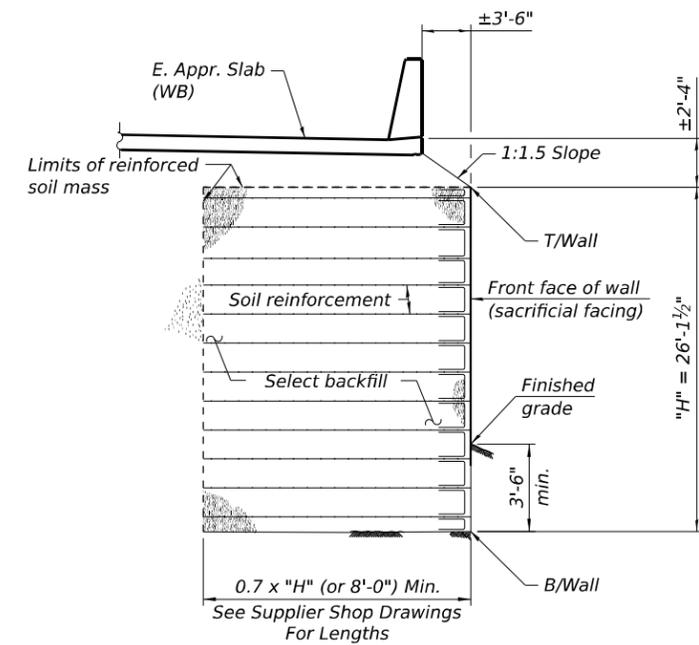
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	597
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



PLAN



ELEVATION
(Looking North)



SECTION THRU
TEMPORARY MSE WALL
(Looking East)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Temporary Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	1,128

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WSP USA Inc.
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USER NAME = USSJ696614	DESIGNED - SJJ	REVISED -
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PLOT DATE = 11/5/2025	DRAWN - SJJ	REVISED -
	CHECKED - PJL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY MSE WALL - EAST ABUTMENT
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	600
CONTRACT NO. 62R23				