

Bench Mark: BM 24 Set cut square northwesterly corner of pier seat of most southerly Larkin Ave bridge pier on South side of Eastbound I-80. Elev. 634.804

Existing Structure: None.

Maintenance of Traffic: Ramp closed to traffic during construction.

No Salvage

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING

Traffic Impact per 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

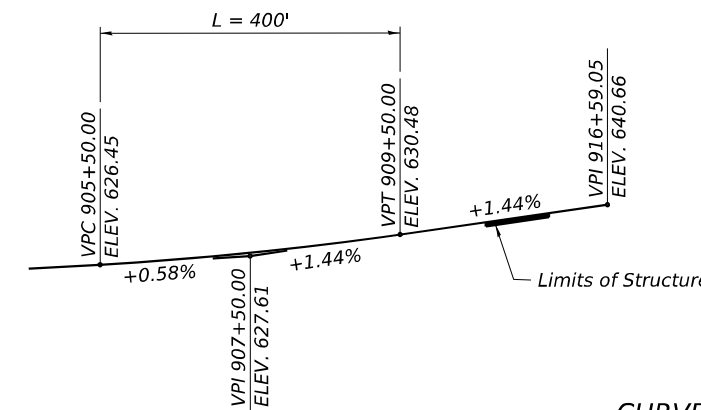
DESIGN STRESSES

FIELD UNITS

$f_c = 3,500$ psi (Retaining Wall)
 $f_c = 4,000$ psi (Parapet)
 $f_y = 60,000$ psi (Reinforcement)

CURVE DATA

Prop. Curve PR_BL_LRKN_A_3
 PI STA = 912+83.96
 $\Delta = 54^\circ 22' 31"$ (LT)
 $D = 17^\circ 37' 46"$
 $R = 325.00'$
 $T = 166.94'$
 $L = 308.43'$
 $E = 40.37'$
 $e = -5.80\%$
 $TR (PC) = 0'$
 $TR (PT) = 55'$
 $SE RUN (PC) = 106'$
 $SE RUN (PT) = 159'$
 $PC STA = 911+17.02$
 $PT STA = 914+25.45$

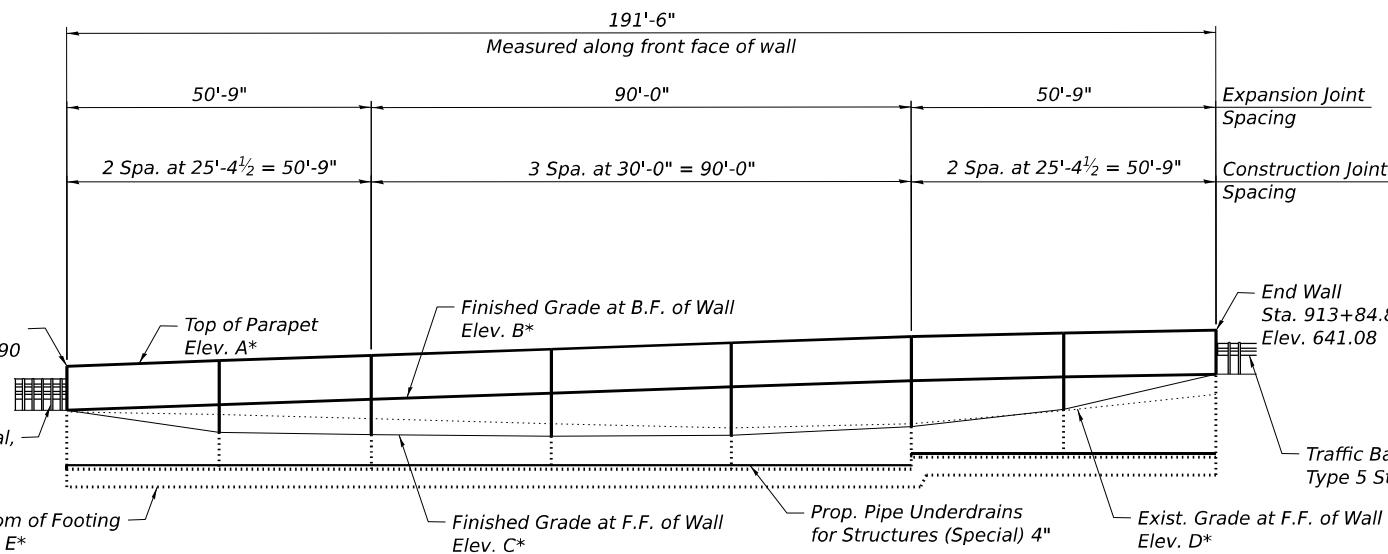


Profile Grade

Along BL of Larkin Ramp A

INDEX OF SHEETS

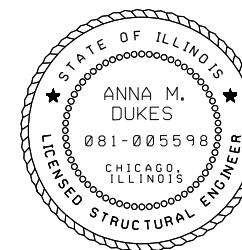
- S1-01 General Plan and Elevation
- S1-02 General Data
- S1-03 Plan and Elevation 1
- S1-04 Plan and Elevation 2
- S1-05 Wall Section and Details
- S1-06 Boring Logs 1
- S1-07 Boring Logs 2



ELEVATION

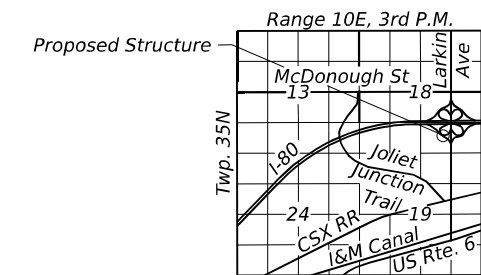
(Looking North at Front Face of Wall)

*For elevations, see Table 1 on Sheet S1-02 of S1-7.

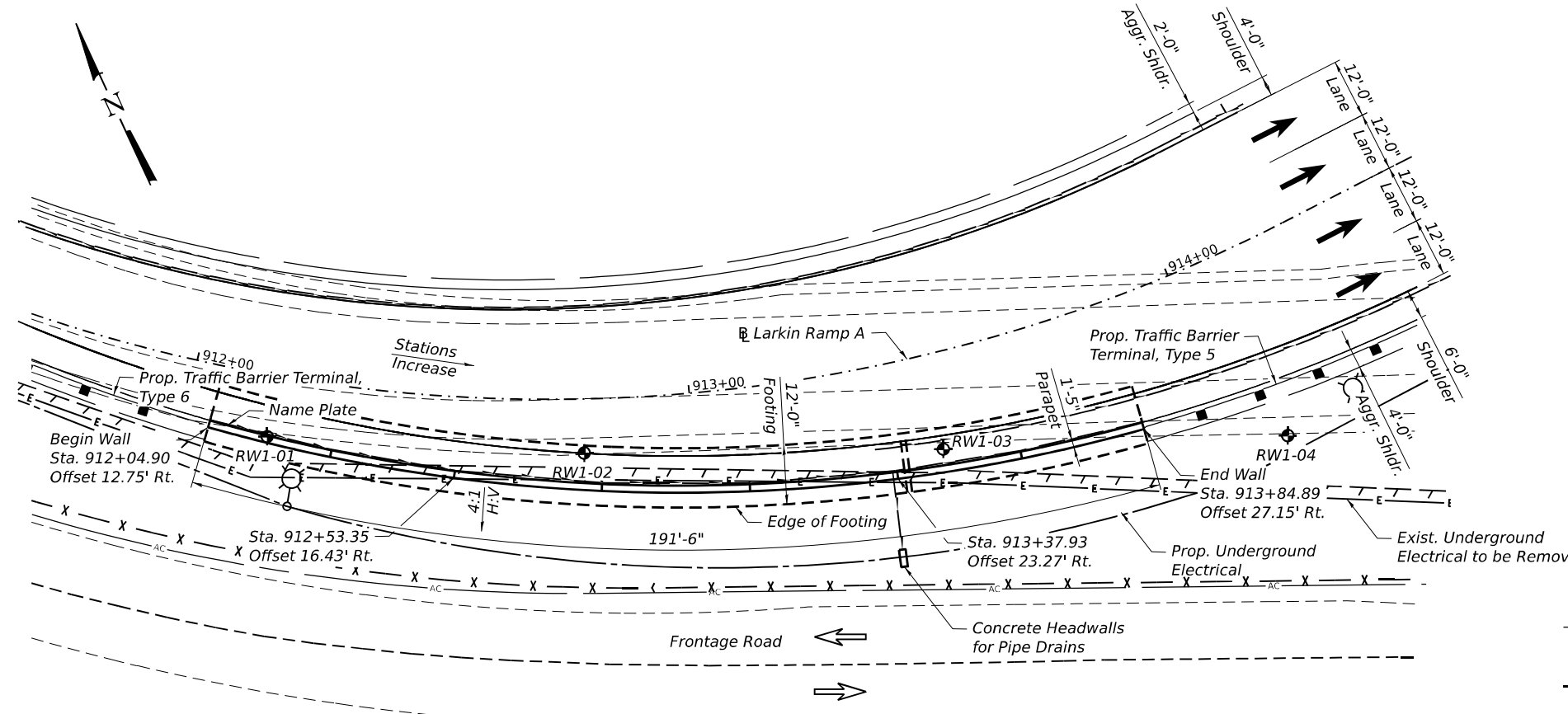


Anna Duker

ANNA M. DUKES, S.E.
 NO. 081-005598
 EXP. DATE 11/30/2024



LOCATION SKETCH



PLAN

NOTE:

1. Offsets measured to Front Face of Wall.

LEGEND

- AC — Exist. ROW / Access Control
- ◆ Soil Boring
- X - X - Exist. Fence
- - - Prop. Lighting
- e — Exist. Lighting
- - - Prop. Underdrain

GENERAL PLAN AND ELEVATION

LARKIN RAMP A

SEC. FAI 80 21 STRUCTURE 4

WILL COUNTY

STATION 912+04.90 TO 913+84.89

STRUCTURE NO. 099-Z043

TRANSYSTEMS

USER NAME = vjanachone	DESIGNED - JE	REVISED -
PLOT SCALE = 31.99993600' / in.	CHECKED - TJA	REVISED -
PLOT DATE = 6/4/2024	DRAWN - JE	REVISED -
	CHECKED - TJA	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHEET S1-01 OF S1-7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	301
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R25	

MODEL: Sheet
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TABLE 1 - WALL ELEVATIONS

Station	Offset	Elevation A	Elevation B	Elevation C	Elevation D	Elevation E
912+04.90	12.75' Rt.	638.08	634.42	634.42	634.28	628.00
912+29.19	14.57' Rt.	638.53	634.87	632.55	634.04	628.00
912+53.35	16.43' Rt.	638.98	635.31	632.36	633.72	628.00
912+81.73	18.69' Rt.	639.50	635.83	632.24	633.28	628.00
913+09.92	20.97' Rt.	640.02	636.35	632.31	632.93	628.00
913+37.93	23.27' Rt.	640.53	636.86	633.05	633.25	628.00
913+61.47	25.21' Rt.	640.85	637.18	634.46	634.35	629.00
913+84.89	27.15' Rt.	641.08	637.41	637.41	635.73	629.00

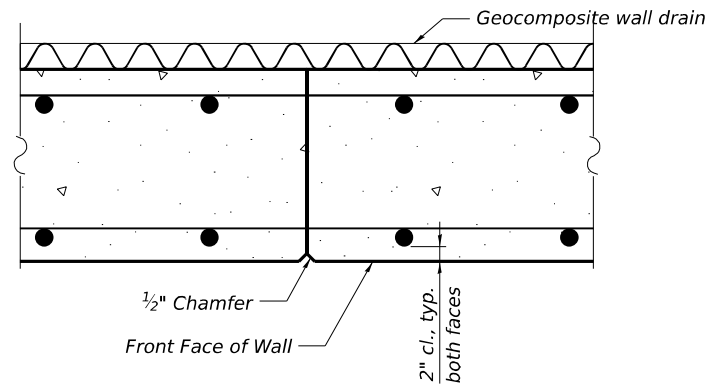
Stations and Offsets measured to F.F. of Wall
 Elevation A - Top of Parapet
 Elevation B - Finished Grade at B.F. of Wall
 Elevation C - Finished Grade at F.F. of Wall
 Elevation D - Existing Grade at F.F. of Wall
 Elevation E - Bottom of Footing

TOTAL BILL OF MATERIAL

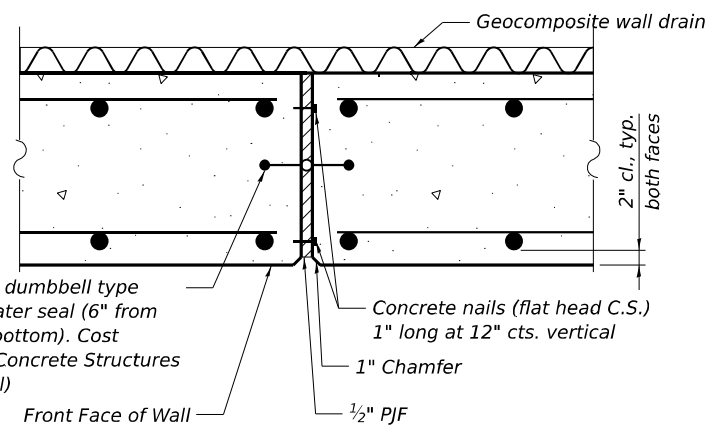
ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	753
Concrete Superstructure	Cu. Yd.	27
Protective Coat	Sq. Yd.	95
Reinforcement Bars, Epoxy Coated	Pound	34,160
Name Plates	Each	1
Concrete Structures (Retaining Wall)	Cu. Yd.	192.4
Granular Backfill for Structures	Cu. Yd.	133
Geocomposite Wall Drain	Sq. Yd.	90
Concrete Headwall for Pipe Drains	Each	1
Pipe Underdrains for Structures 4"	Foot	192
Pipe Underdrains for Structures (Special) 4"	Foot	16

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Slipforming of interior parapets is not allowed.

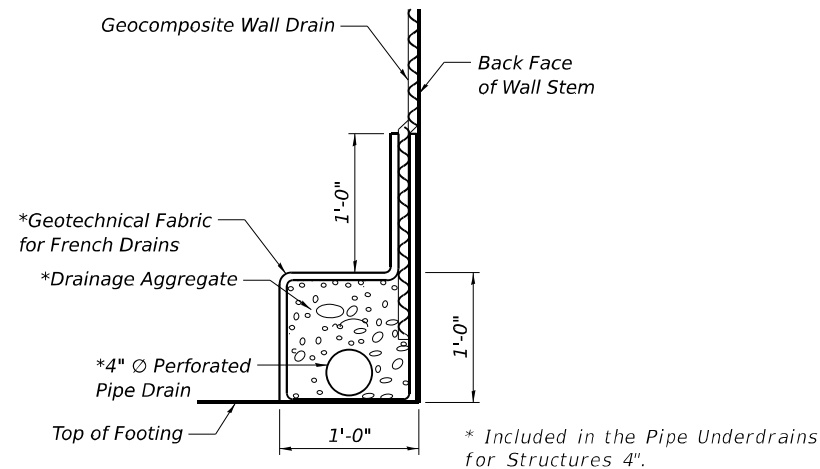


CONSTRUCTION JOINT
(Retaining Wall Stem)



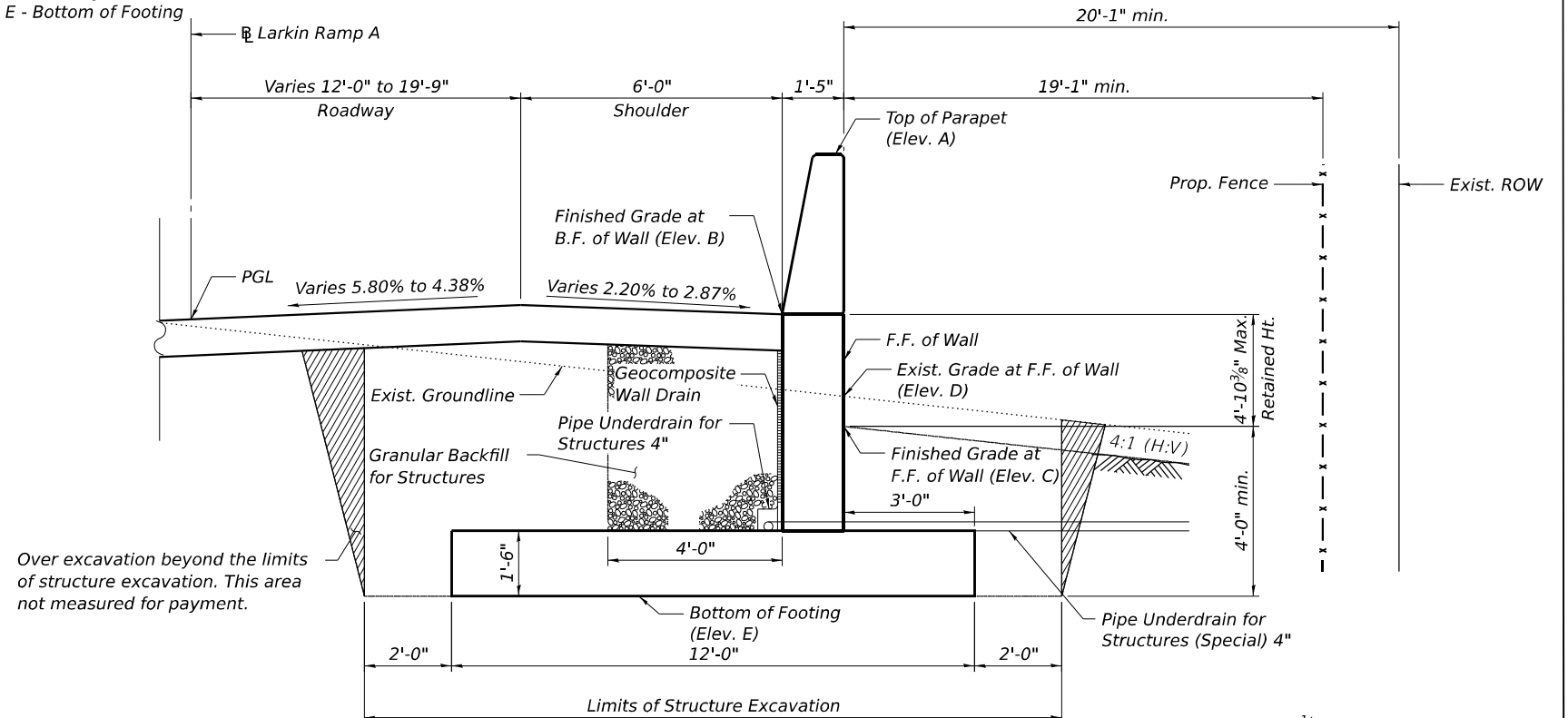
6" Hollow bulb dumbbell type nonmetallic water seal (6" from top of wall to bottom). Cost included with Concrete Structures (Retaining Wall)

EXPANSION JOINT
(Retaining Wall Stem)



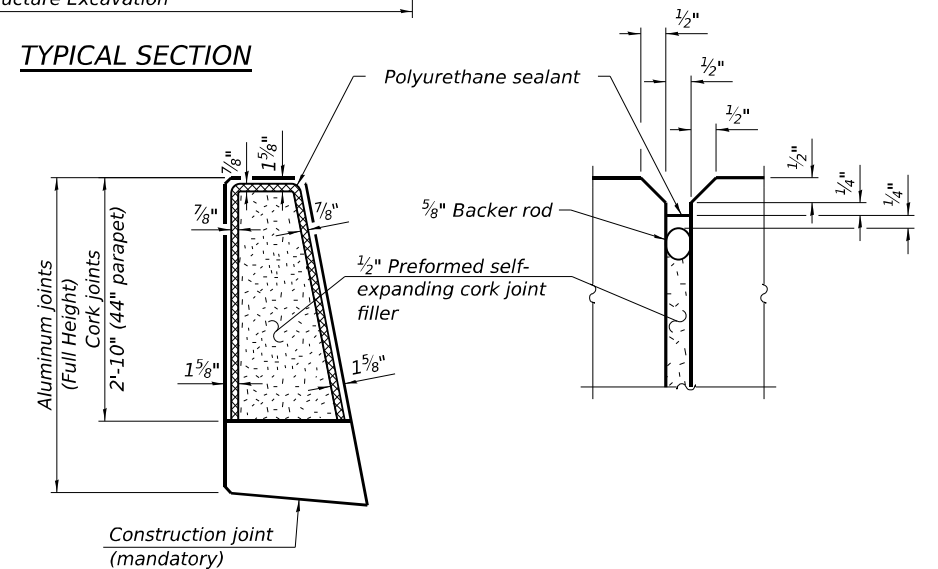
PIPE UNDERDRAIN DETAIL

* Included in the Pipe Underdrains for Structures 4".



Over excavation beyond the limits of structure excavation. This area not measured for payment.

TYPICAL SECTION



PARAPET JOINT DETAILS

Note:
The polyurethane sealant shall be according to Article 1050.04 of the Standard Specifications and the color shall be gray.

STA. 912+04.90
TO 913+84.89
BUILT 20__ BY
STATE OF ILLINOIS
FAI 80 21 STRUCTURE 4
STR. NO. 099-Z043

NAME PLATE
See Std. 515001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 099-Z043

SHEET 51-02 OF 51-7 SHEETS

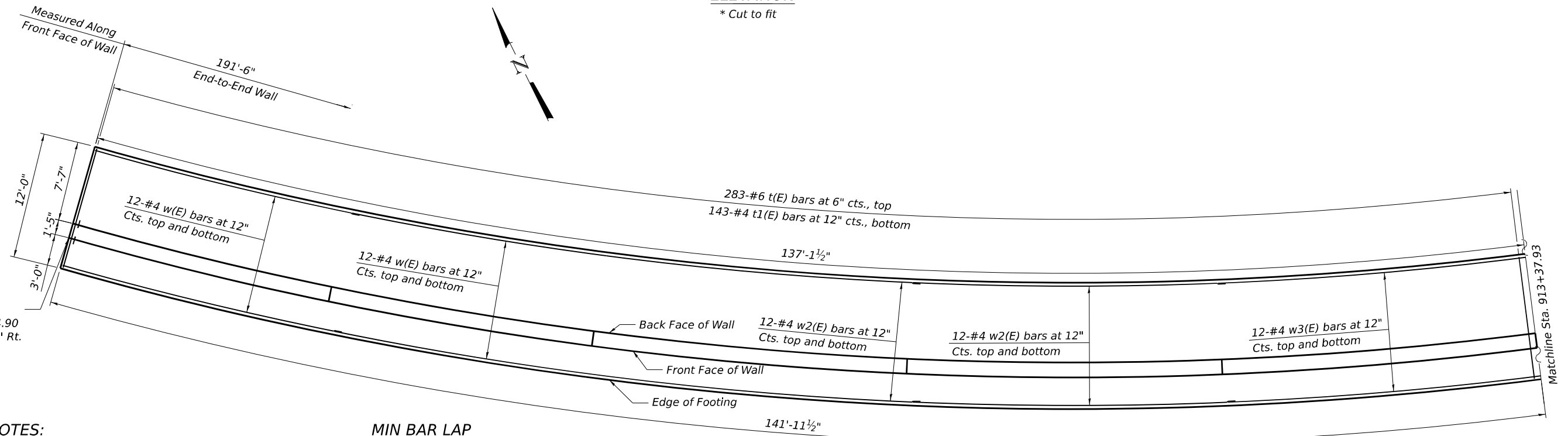
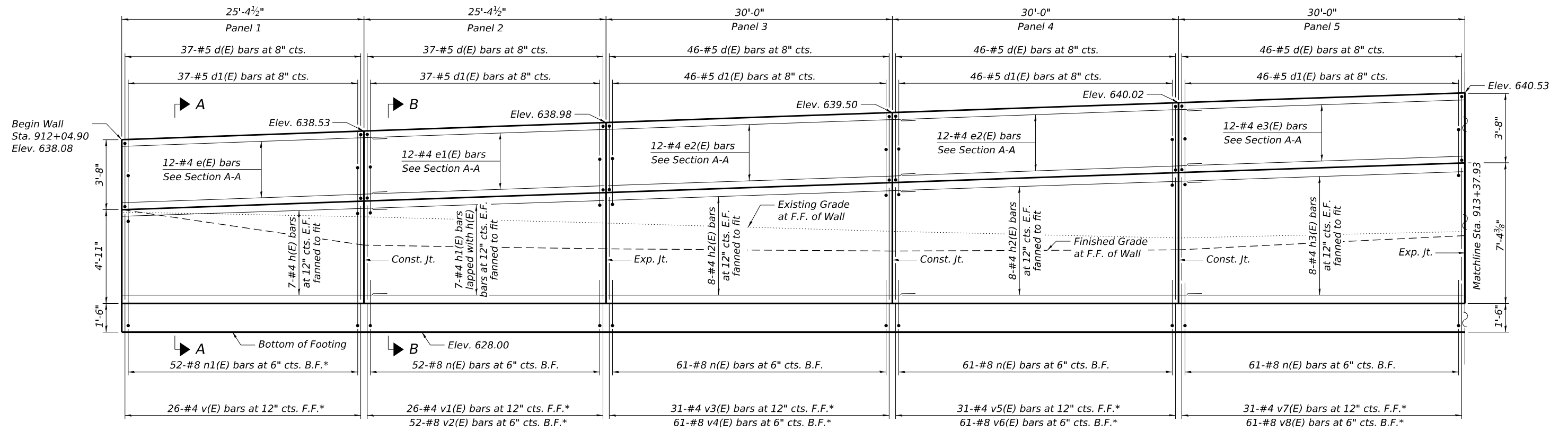
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	302
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

TRANSYSTEMS

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PLOT SCALE = 0.16666633' / in.	CHECKED - TJA	REVISED -
PLOT DATE = 6/4/2024	DRAWN - JE	REVISED -
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NOTES:

1. See Sheet S1-02 for Typical Section.
2. See Sheet S1-05 for Section A-A, Bar Details, and Bill of Material.
3. Bars shall be sprung in place to be concentrically placed at the spacing noted.

MIN BAR LAP

- #4 = 2'-7"
- #8 = 5'-1"



USER NAME = vjanachone	DESIGNED - JE	REVISED -
PLOT SCALE = 10.66664533' / in.	CHECKED - TJA	REVISED -
PLOT DATE = 6/4/2024	DRAWN - JE	REVISED -
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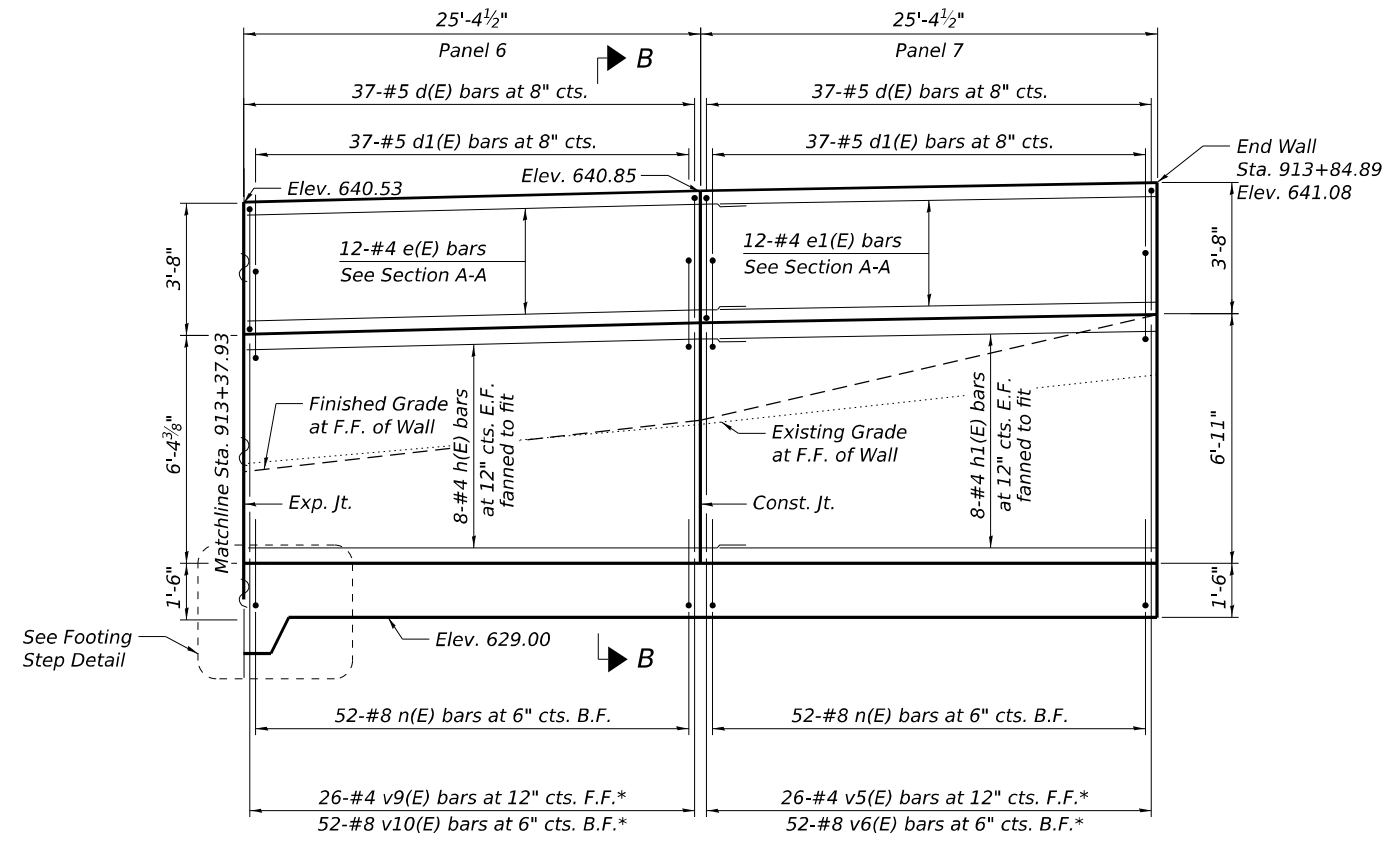
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION 1
 STRUCTURE NO. 099-Z043

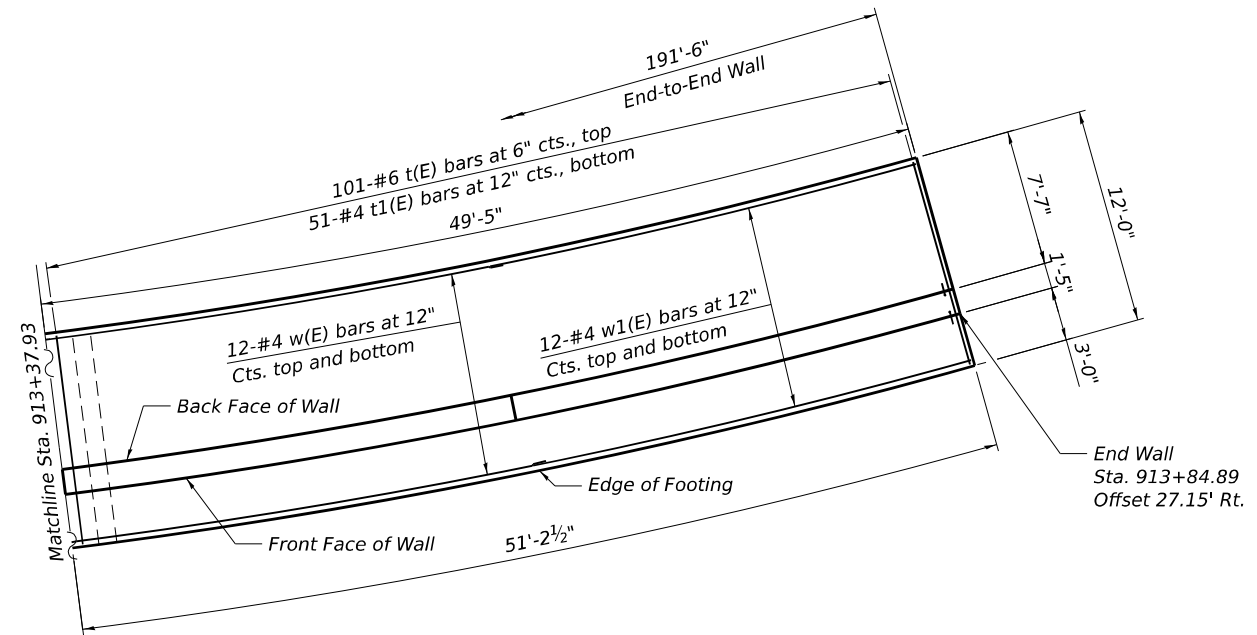
SHEET 51-03 OF 51-7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R25				
ILLINOIS		FED. AID PROJECT		

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ELEVATION
 * Cut to fit



PLAN

NOTES:

1. See Sheet S1-02 for Typical Section.
2. See Sheet S1-05 for Section A-A, Bar Details, Footing Step Detail, and Bill of Material.
3. Bars shall be sprung in place to be concentrically placed at the spacing noted.



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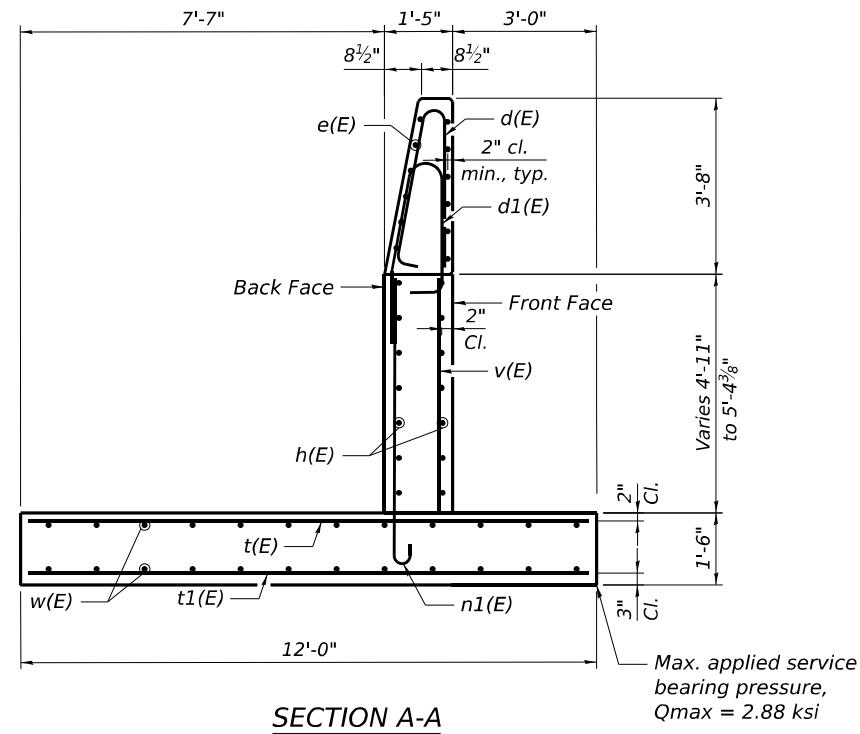
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND ELEVATION 2
 STRUCTURE NO. 099-Z043**

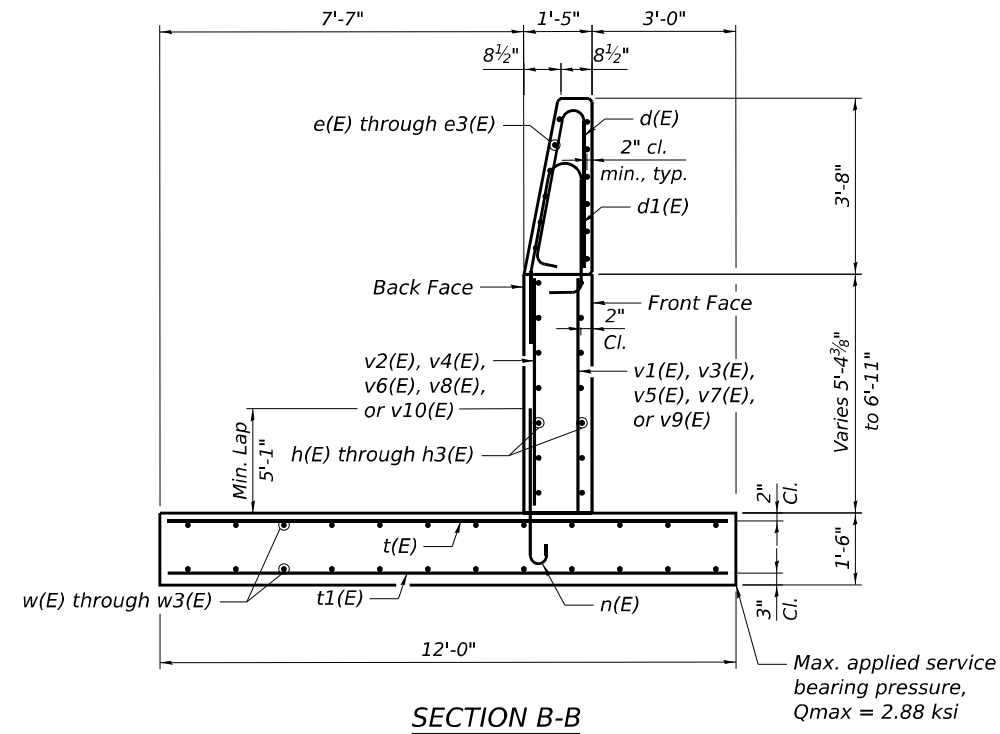
SHEET 51-04 OF 51-7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

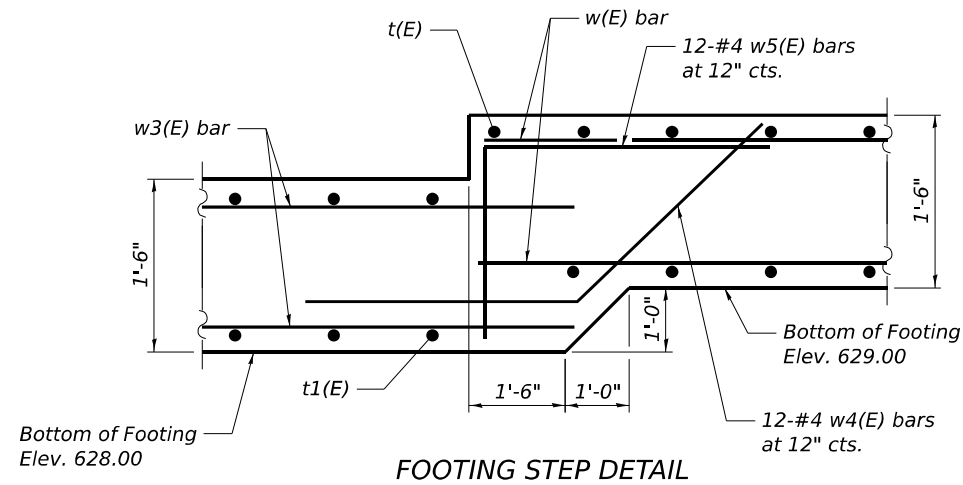
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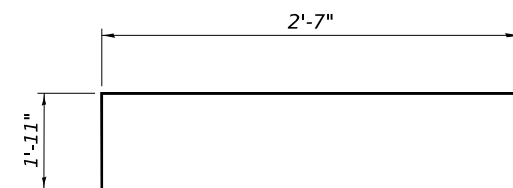
SECTION A-A



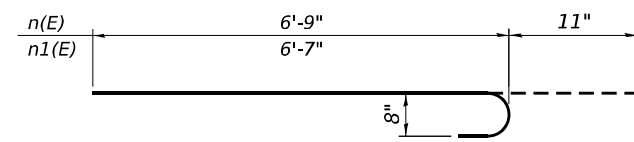
SECTION B-B



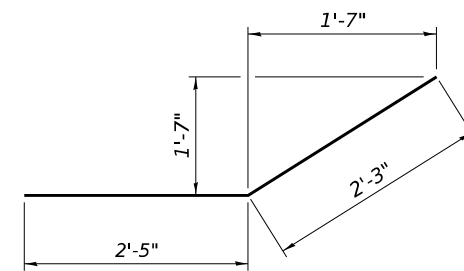
FOOTING STEP DETAIL



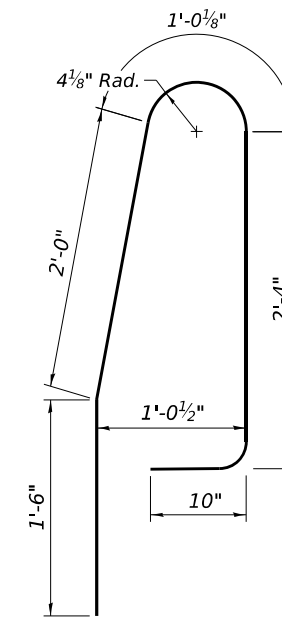
BAR w5(E)



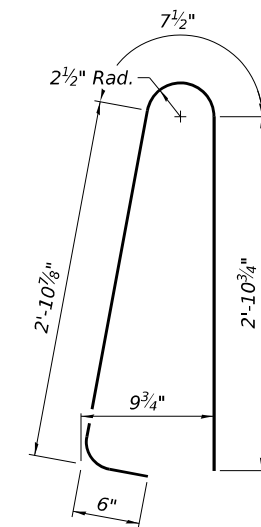
BARS n(E) and n1(E)



BAR w4(E)



BAR d1(E)



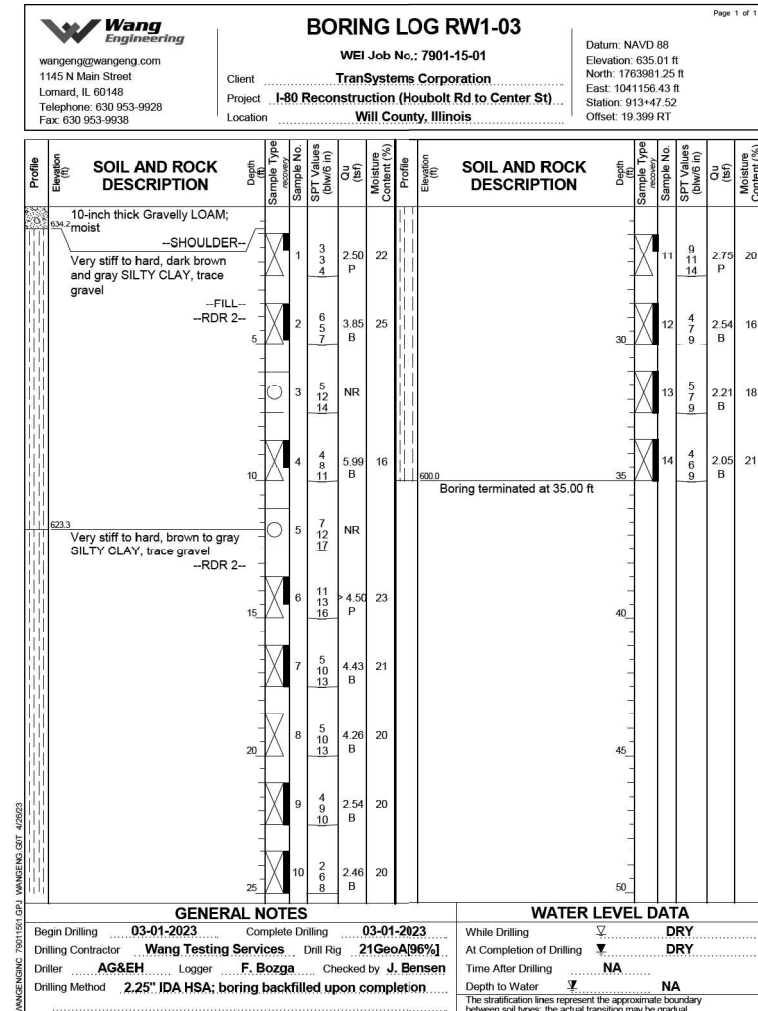
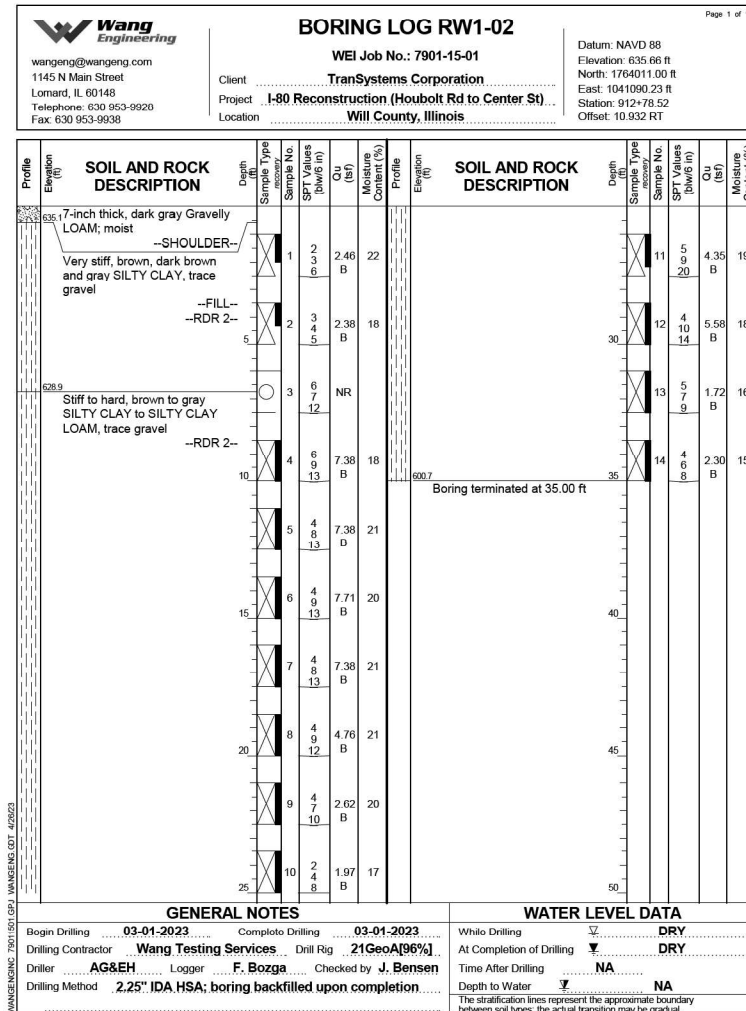
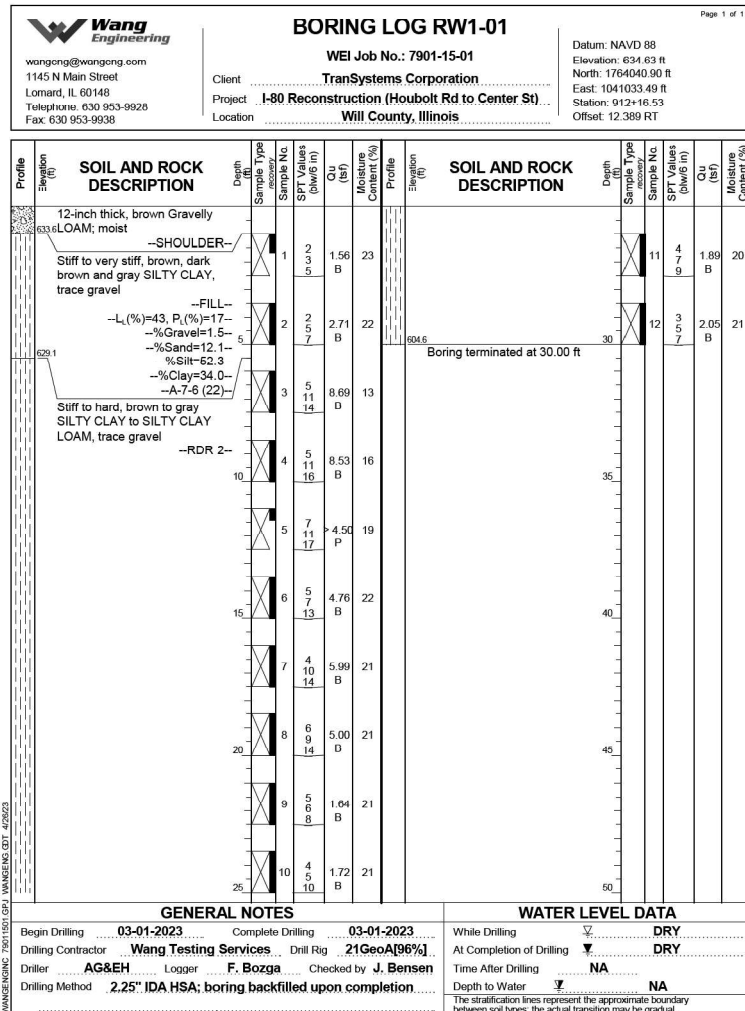
BAR d(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	286	#5	7'-0"	
d1(E)	286	#5	7'-8"	
e(E)	24	#4	27'-11"	————
e1(E)	24	#4	25'-0"	————
e2(E)	24	#4	32'-7"	————
e3(E)	12	#4	29'-8"	————
h(E)	30	#4	27'-11"	————
h1(E)	30	#4	25'-0"	————
h2(E)	32	#4	32'-7"	————
h3(E)	16	#4	29'-8"	————
n(E)	339	#8	7'-8"	
n1(E)	52	#8	7'-6"	
t(E)	384	#6	11'-8"	————
t1(E)	194	#4	11'-8"	————
v(E)	26	#4	5'-2"	————
v1(E)	26	#4	5'-7"	————
v2(E)	52	#8	5'-5"	————
v3(E)	31	#4	6'-1"	————
v4(E)	61	#8	5'-11"	————
v5(E)	57	#4	6'-8"	————
v6(E)	113	#8	6'-6"	————
v7(E)	31	#4	7'-2"	————
v8(E)	61	#8	7'-0"	————
v9(E)	26	#4	6'-6"	————
v10(E)	52	#8	6'-4"	————
w(E)	72	#4	27'-11"	————
w1(E)	24	#4	25'-0"	————
w2(E)	48	#4	32'-7"	————
w3(E)	24	#4	31'-2"	————
w4(E)	12	#4	4'-8"	
w5(E)	12	#4	4'-6"	
Concrete Superstructure			Cu. Yd.	27.0
Concrete Structures (Retaining Wall)			Cu. Yd.	192.4
Reinforcement Bars, Epoxy Coated			Pound	34,160

Bars indicated thus 1 x N -#5 etc. indicates 1 line of bars with N lengths per line.
 *** Bars are to be provided straight and are to be sprung and tied at the required radius in the field.

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PLOT DATE =	6/4/2024	DRAWN -	JE	REVISED -	
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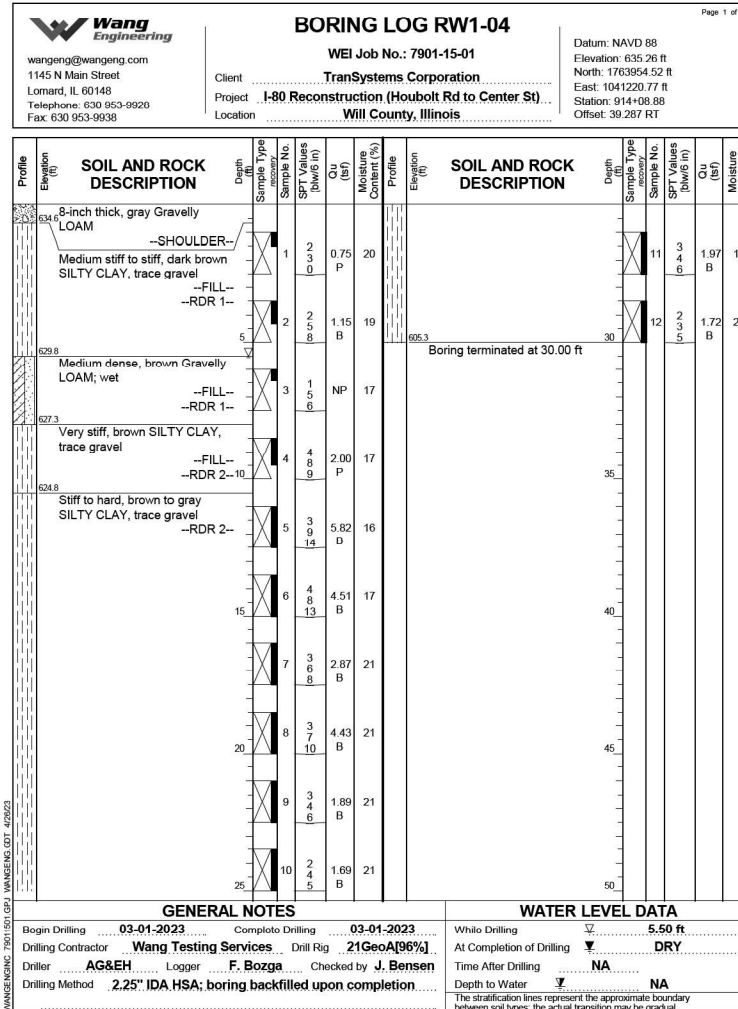
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS 1
STRUCTURE NO. 099-Z043**

SHEET 51-06 OF 51-7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	306
CONTRACT NO. 62R25				
ILLINOIS		FED. AID PROJECT		

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TRANSYSTEMS

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PLOT SCALE = 0.16666633" / in.	CHECKED - TJA	REVISED -
PLOT DATE = 6/4/2024	DRAWN - JE	REVISED -
	CHECKED - TJA	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS 2
 STRUCTURE NO. 099-Z043**

SHEET 51-7 OF 51-7 SHEETS

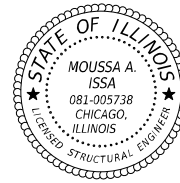
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	307
CONTRACT NO. 62R25				
ILLINOIS		FED. AID PROJECT		

Benchmark: Set cut square on northwesterly corner of pier seat of most southerly Larkin Ave Bridge Pier on South side of Eastbound I-80 at Station 588+57.65, Offset 83.72' RT, Elev. 634.804. See Alignment, Tie and Benchmark Sheets.

Existing Structure: None.

Proposed Structure: The proposed noise abatement wall is a ground mounted noise abatement wall with a length of 1277'-6 1/4" and a maximum height of 24'-3 1/8" measured from proposed grade to top of noise wall.

Salvage: None.



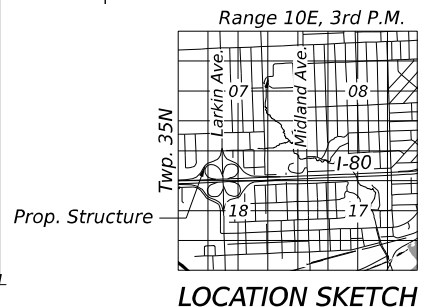
Signed Moussa A. Issa
 Dr. Moussa A. Issa, S.E. IL. LIC. No. 081-005738
 Expires 11-30-2024
 Date 05/20/2024 For Sheets S2-1 thru S2-5
 and S2-7 thru S2-11

NOTES:

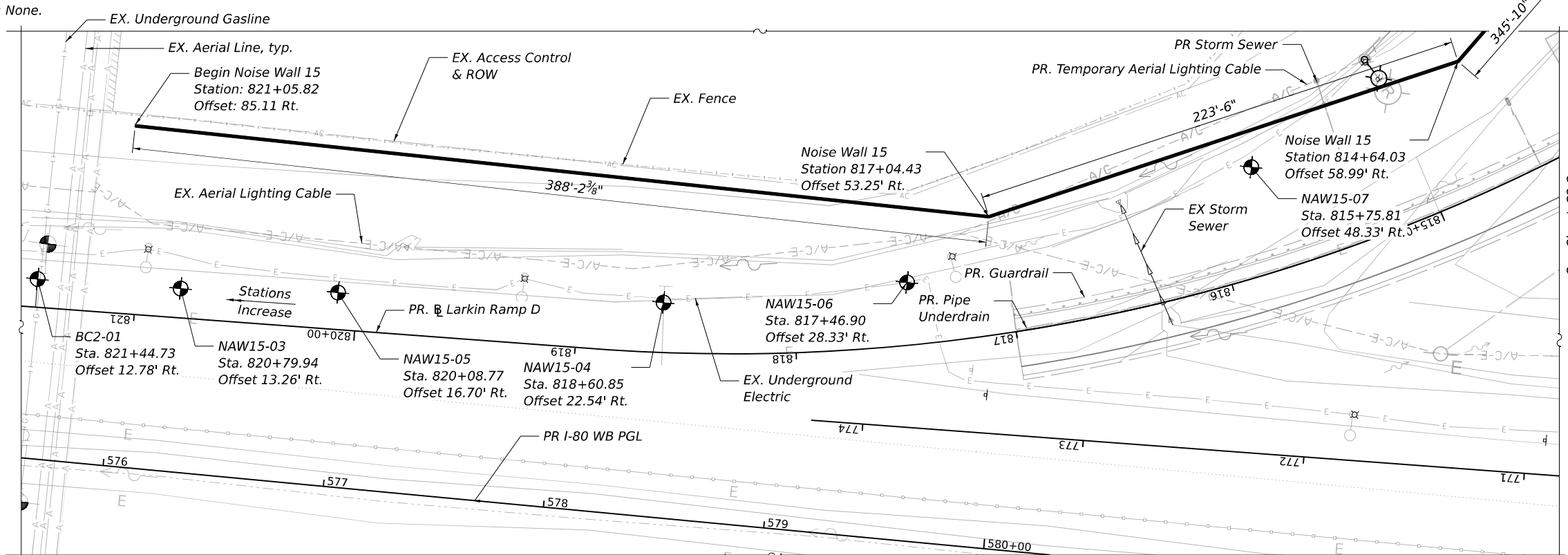
- For General Notes, Index of Sheets, General Details and Total Bill of Material see Sheet S2-3.
- Stations are measured along and offsets are measured to PR. \square Larkin Ramp D or I-80 WB.

LEGEND:

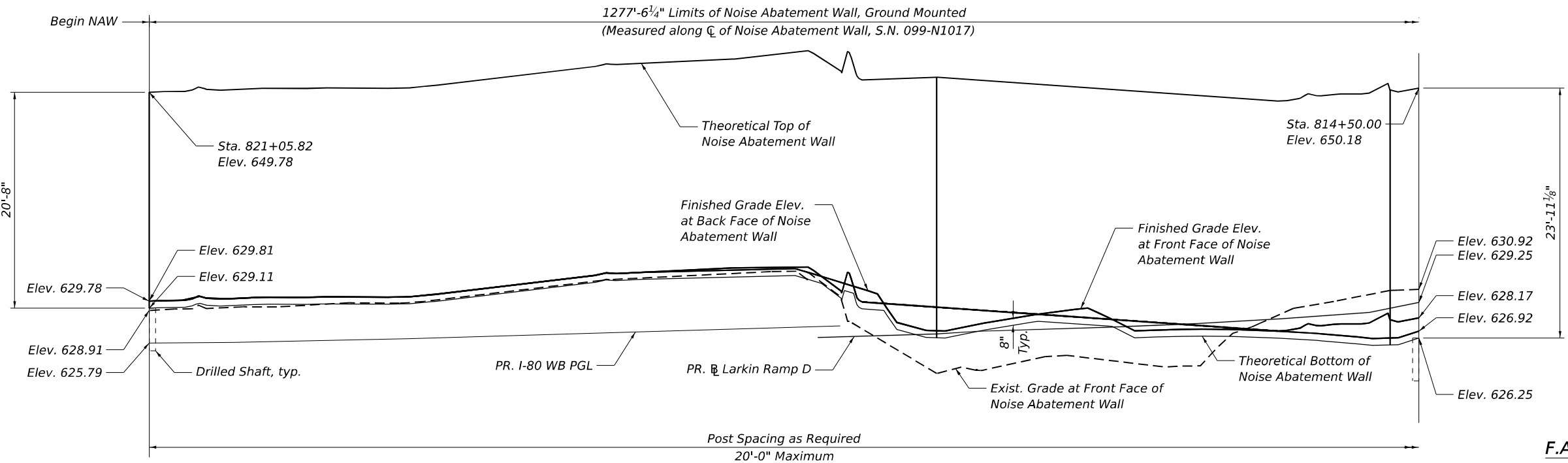
- Exist. Underground Telephone
- Exist. Underground Electric
- Prop. Underground Electric
- Prop. Lighting Cable
- Exist. Underground Gas
- Exist. Aerial Line
- Exist. Underground Fiber Optic
- Prop. Underground Fiber Optic
- Exist. Underground Cable
- Exist. Pipe Underdrain
- Prop. Pipe Underdrain
- Exist. Storm Sewer
- Prop. Storm Sewer
- Prop. Guardrail
- Exist. Guardrail
- Exist. Fence
- Exist. Access Control & ROW
- Prop. Aerial Lighting Cable
- Exist. Cable Barrier
- Exist. Lighting
- Prop. Lighting
- Prop. Drainage Structure
- Prop. Concrete Headwall
- Soil Boring



**GENERAL PLAN AND ELEVATION
 NOISE ABATEMENT WALL
 ALONG LARKIN RAMP D
 F.A.I. RTE. I-80 SEC. FAI 80 21 STRUCTURE 4
 WILL COUNTY
 STA. 821+05.82 TO STA. 808+00.00
 SN 099-N1017 (NOISE WALL 15)**



PLAN
(S.N. 099-N1017)



ELEVATION
(S.N. 099-N1017)

MODEL: BL_PR_00_Plan_3 (Sheet)
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USER NAME = guillermo.aretano	DESIGNED - AMI, LAB	REVISED
PLOT SCALE	DRAWN - ADS, AMI	REVISED -
PLOT DATE = 6/24/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

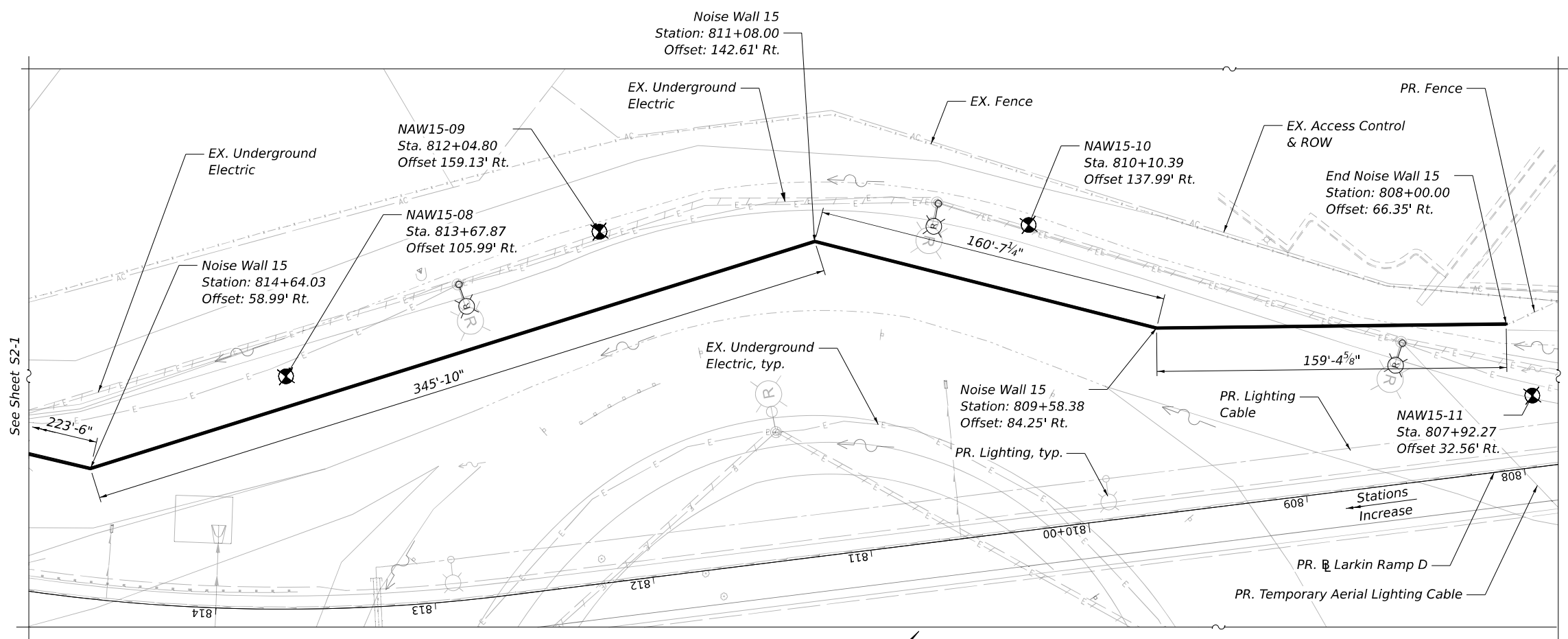
**GENERAL PLAN AND ELEVATION 1
 NOISE ABATEMENT WALL 15 - SN 099-N1017**
 SCALE: SHEET S2-1 OF S2-11 SHEETS STA. TO STA.

F.A.I. RTE. I-80	SECTION FAI 80 21 STRUCTURE 4	COUNTY WILL	TOTAL SHEETS 550	SHEET NO. 308
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

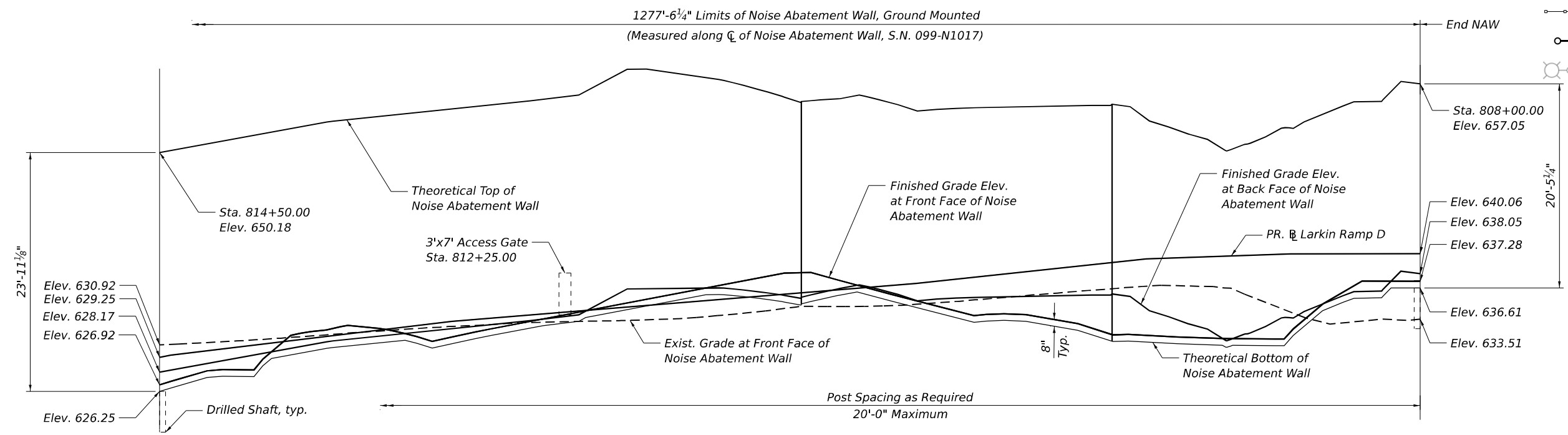
- NOTES:**
- For General Notes, Index of Sheets, General Details and Total Bill of Material see Sheet S2-3.
 - Stations are measured along and offsets are measured to PR. Larkin Ramp D.

LEGEND:

	Exist. Underground Telephone
	Exist. Underground Electric
	Prop. Underground Electric
	Prop. Lighting Cable
	Exist. Underground Gas
	Exist. Aerial Line
	Exist. Underground Fiber Optic
	Prop. Underground Fiber Optic
	Exist. Underground Cable
	Exist. Pipe Underdrain
	Prop. Pipe Underdrain
	Exist. Storm Sewer
	Prop. Storm Sewer
	Prop. Guardrail
	Exist. Guardrail
	Exist. Fence
	Exist. Access Control & ROW
	Prop. Aerial Lighting Cable
	Exist. Cable Barrier
	Exist. Lighting
	Prop. Lighting
	Prop. Drainage Structure
	Prop. Concrete Headwall
	Soil Boring



PLAN
(S.N. 099-N1017)



ELEVATION
(S.N. 099-N1017)

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USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED -
DRAWN - ADS, AMI	REVISIONS	
CHECKED - MI, LAB	REVISIONS	
DATE - 6/4/24	REVISIONS	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION 2
NOISE ABATEMENT WALL 15 - SN 099-N1017

SCALE: SHEET S2-2 OF S2-11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	309
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

GENERAL NOTES:

- The Contractor shall field verify location of the existing utilities prior to construction. The Contractor shall take precautions not to damage existing utilities. Any such damage shall be repaired by the Contractor at no additional cost.
- Noise Abatement Wall drilled shaft foundation diameter, depth and spacing to be determined by the Contractor in accordance with the Special Provision.
- Contractor shall provide Ashlar Stone Finish on both faces of Noise Abatement Wall. See Sheet S2-6.
- The default color of both sides of the panels, posts and other visible elements shall be Federal Standard 30279 - Sand.
- All underground utilities or drainage structure removal or installation shall be completed prior to foundation installation.
- Any rock excavation required for noise wall construction will not be paid separately and will be included with Noise Abatement Wall, Ground Mounted.
- Access Gate station is approximate and can be constructed at a suitable location within 25 feet of the mentioned station, subject to approval of the Engineer. Access gates shall have Exterior Grade Locks located at the back face of the wall with same keys for all gates for all walls.
- For SN 099-N1017 boring logs see Sheets S2-7 thru S2-11.
- Under no circumstance should truck beds be raised underneath ComEd transmission lines.

INDEX OF SHEETS

S2-1	General Plan And Elevation 1
S2-2	General Plan And Elevation 2
S2-3	General Notes, Sections, And Bill of Material
S2-4	Profile Grades And Typical Details
S2-5	Data Tables
S2-6	Ashlar Stone Finish
S2-7	Soil Borings 1
S2-8	Soil Borings 2
S2-9	Soil Borings 3
S2-10	Soil Borings 4
S2-11	Soil Borings 5

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS
 f_c = 4,000 psi (Drilled Shafts)
 f_y = 60,000 psi (Reinforcement)
 f_y = 50,000 psi (Struct. Steel, M270 Grade 50, posts)
 f_y = 36,000 psi (Struct. Steel, M270 Grade 36, all other structural steel)

PRECAST UNITS
 f_c = 4,500 psi
 f_y = 60,000 psi (Reinforcement)
 f_y = 65,000 psi (Welded Wire Reinforcement)

DESIGN LOADS

Strength III or V Wind: 35 psf
 Service I Wind: 15 psf
 Unfactored Max. Active Earth Pressure: 176 psf
 Unfactored Live Load Surcharge: 87 psf

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
Geocomposite Wall Drain	Sq Yd	215
Pipe Underdrains For Structures 4"	Foot	1278
Noise Abatement Wall, Ground Mounted	Sq Ft	29,549

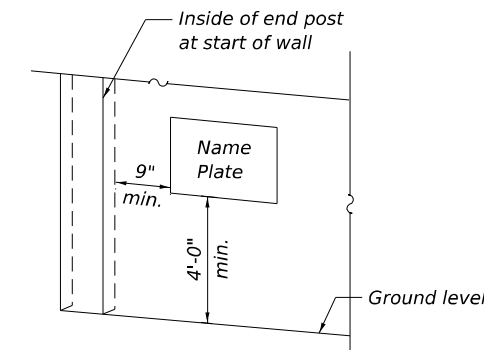
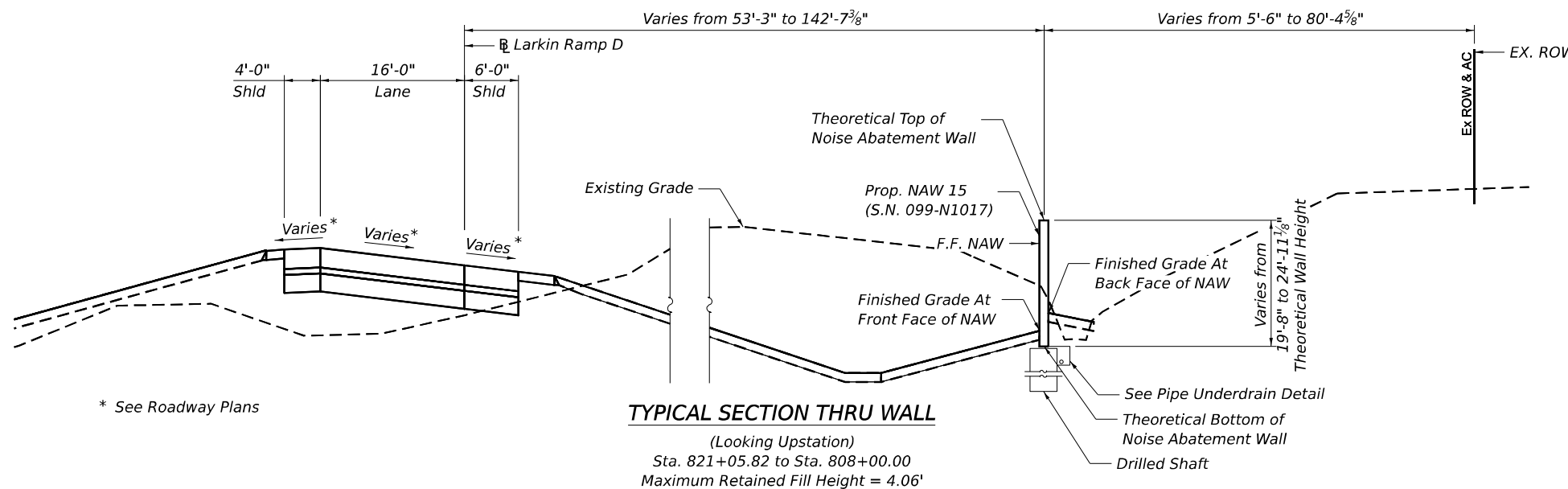
NOISE REDUCTION DATA

Noise Wall Structure Number	Face	From Sta.	To Sta.	Noise Reduction	Comments
099-N1017	Roadway Face	821+05.82	808+00.00	Reflective	-
	Residential Face	821+05.82	808+00.00	Reflective	-

UTILITY CROSSING TABLE

UTILITY	STATION*	OFFSET (RT)*	ELEV. (FT)	COMMENTS
Exist. Underground Electric	807+76.68 to 817+22.58	24.49 to 36.63	-	Within 20 feet of wall; crossing the wall near Stations 808+76.00 and 815+38.00.
Exist. Underground Electric	808+76.85	75.03	-	
Temporary Lighting	815+02.41	61.57	-	
Temporary Aerial Cable for Lighting	815+05.91 to 817+19.14	47.58 to 76.87	-	Within 10 feet of wall; crossing the wall near Sta. 816+81.60.
Prop. Storm Sewer	815+32.43	63.94	-	
Exist. Underground Electric	815+38.06	64.11	-	

* Stations and Offsets are measured to the centerline of proposed noise abatement wall unless noted otherwise



NAME PLATE FOR NOISE ABATEMENT WALL, GROUND MOUNTED

NOISE ABATEMENT WALL
 BUILT 202_ BY
 STATE OF ILLINOIS
 F.A.I. RTE. I-80
 SECTION FAI 80 21 STRUCTURE 4
 FROM STA. 821+05.82 TO STA. 808+00.00
 STRUCTURE NO. 099-N1017

NAME PLATE
 See Std. 515001

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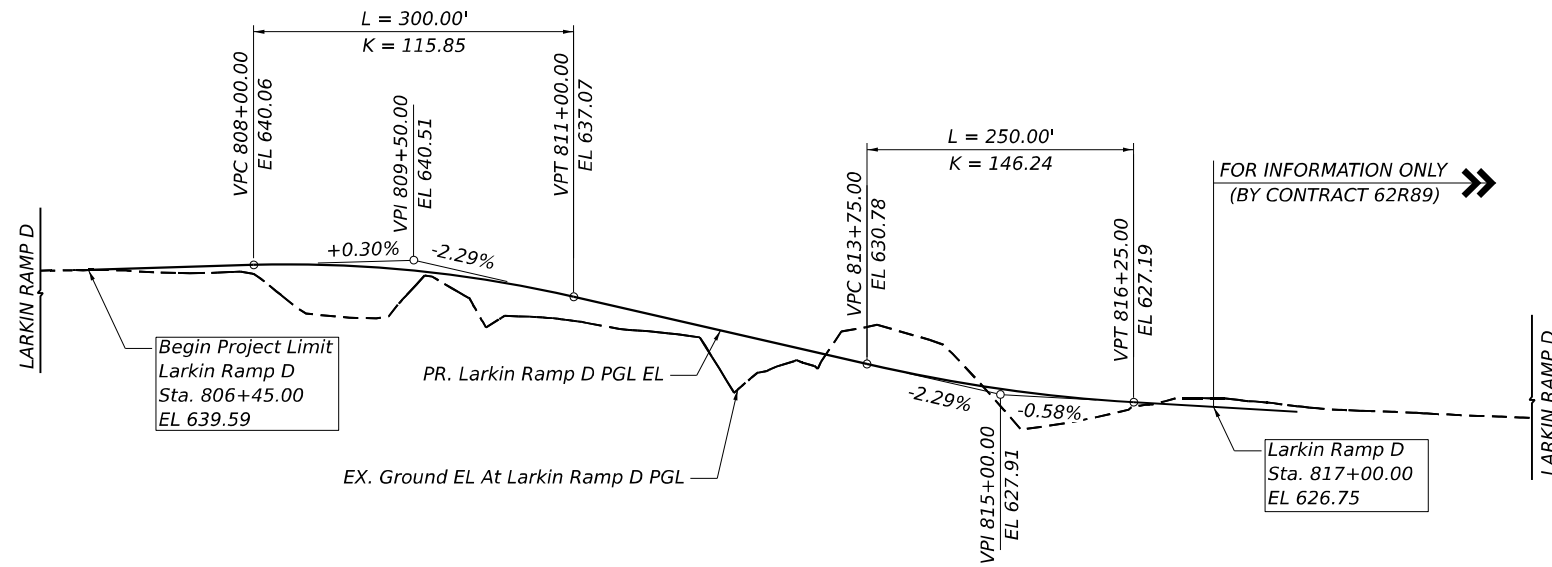
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	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

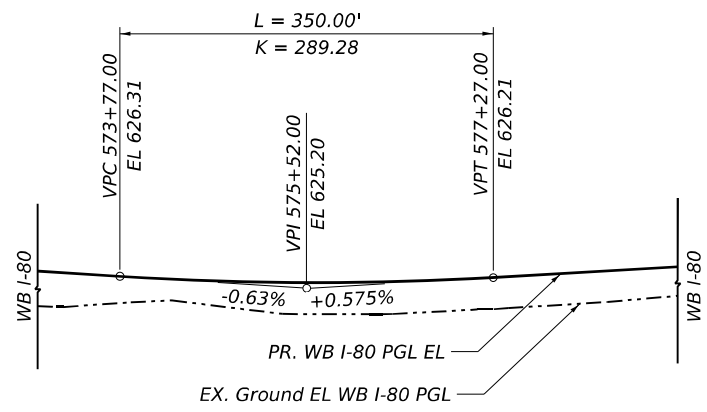
**GENERAL NOTES, SECTIONS, AND BILL OF MATERIAL
 NOISE ABATEMENT WALL 15 - SN 099-N1017**

SCALE: SHEET S2-3 OF S2-11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	310
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R25	

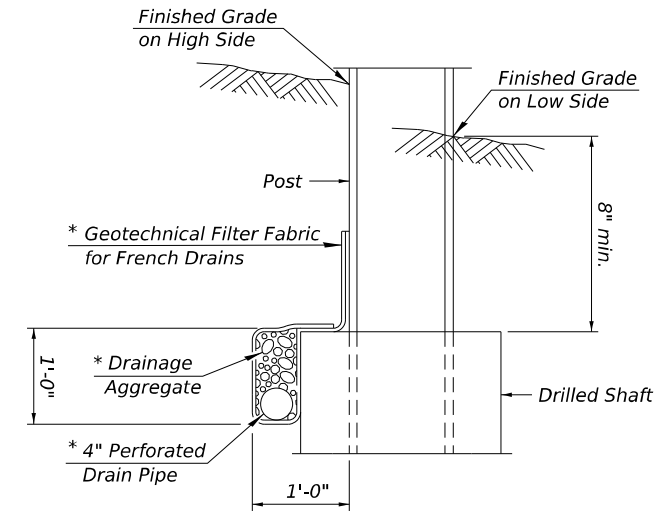


LARKIN RAMP D PROFILE



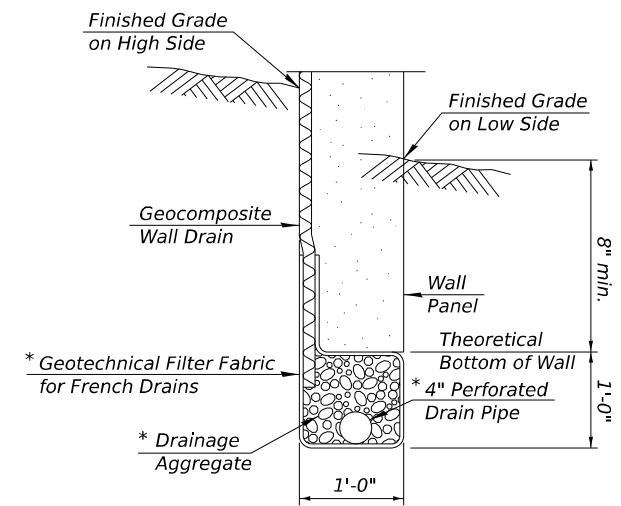
I-80 WB PROFILE

FOR INFORMATION ONLY
(BY CONTRACT 62R89) ➔



PIPE UNDERDRAIN DETAIL AT DRILLED SHAFTS

* Included in the cost of Pipe Underdrains for Structures 4"



PIPE UNDERDRAIN DETAIL BETWEEN DRILLED SHAFTS

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PLOT SCALE =	DRAWN - ADS, AMI	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

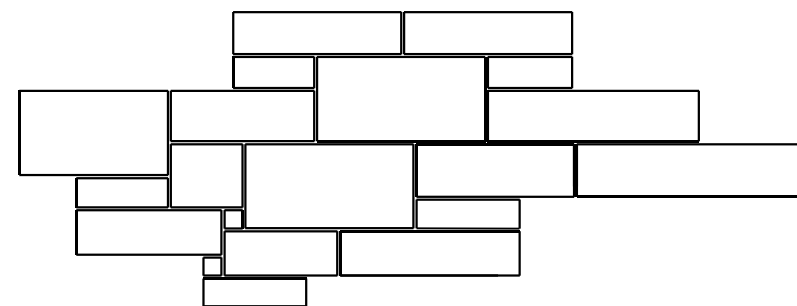
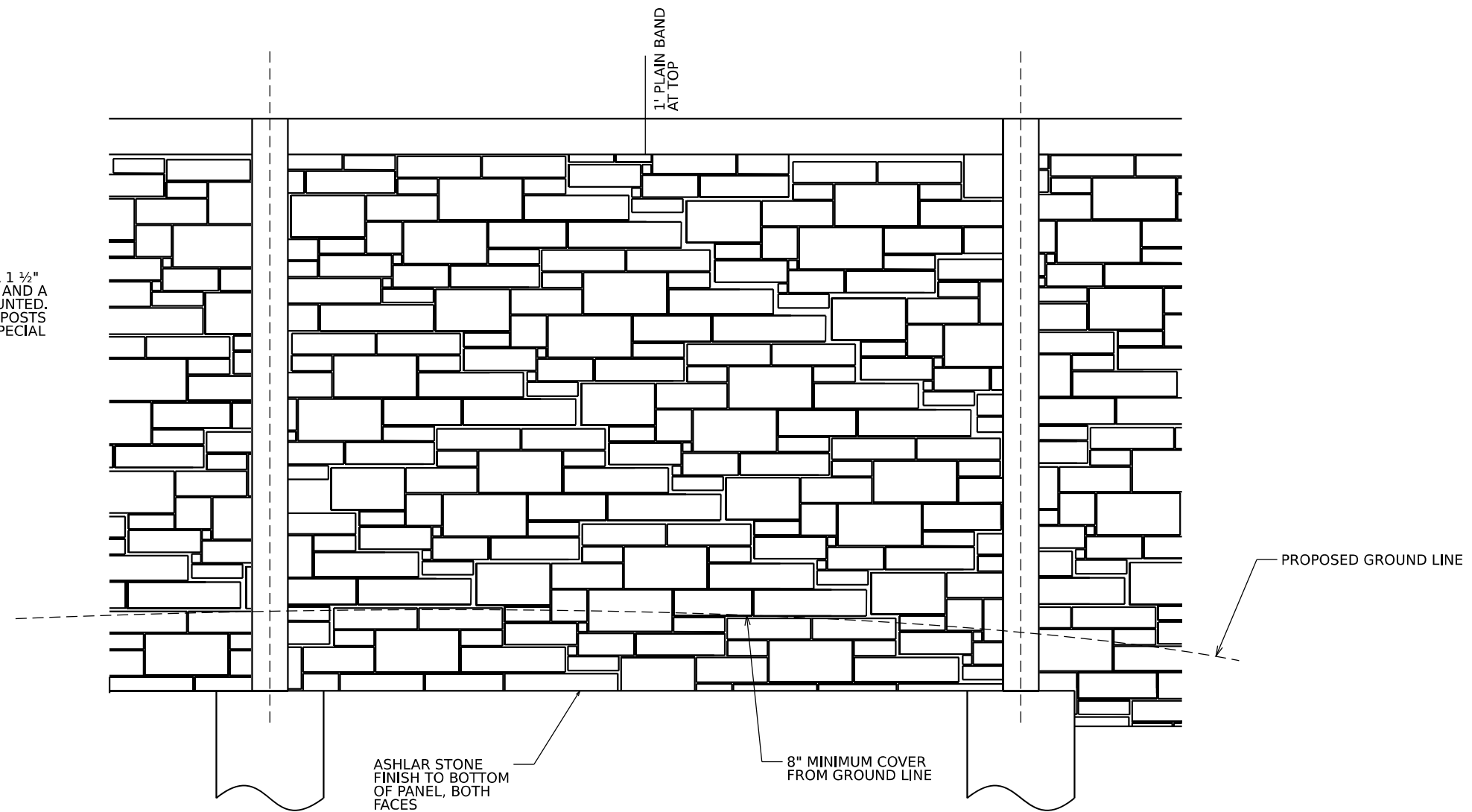
**PROFILE GRADES AND TYPICAL DETAILS
NOISE ABATEMENT WALL 15 - SN 099-N1017**

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62R25	
		ILLINOIS FED. AID PROJECT		

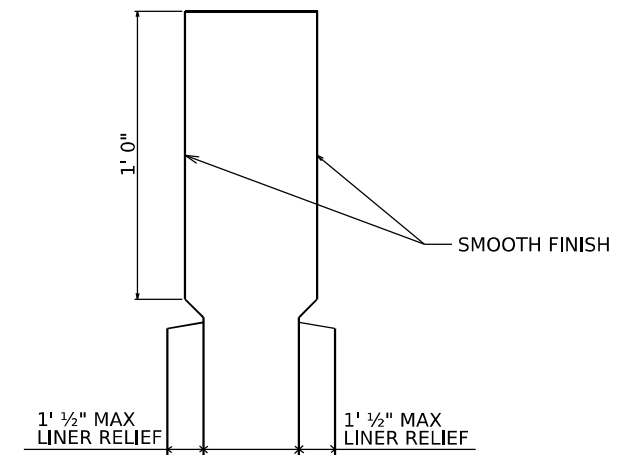
NOTES:

1. EACH SIDE OF THE NOISE WALL PANELS SHALL HAVE A ROLLED ASHLAR STONE FINISH. THE FINISH SHALL HAVE A 1 1/2" RELIEF FOR NOISE ABATEMENT WALL, GROUND MOUNTED AND A 3/4" RELIEF FOR NOISE ABATEMENT WALL, STRUCTURE MOUNTED. THE COLOR OF BOTH SIDES OF THE PANELS, PLAIN BAND, POSTS AND ALL OTHER VISIBLE ELEMENTS SHALL FOLLOW THE SPECIAL PROVISIONS.



STONE PATTERN SIZES:
3" x 3" - 14" x 28"

ENLARGED PATTERN DETAIL



ENLARGED CAP DETAIL

MODEL: NOISE WALLS DETAILS MAINS
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TRANSYSTEMS

USER NAME = vjanachione	DESIGNED - VLJ	REVISED
PLOT SCALE =	DRAWN - DIO	REVISED -
PLOT DATE = 6/4/2024	CHECKED - JMG	REVISED -
	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ASHLAR STONE FINISH
NOISE ABATEMENT WALL 15 - SN 099-N1017**

SCALE: NONE SHEET S2-6 OF 52-11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	313
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				



BORING LOG BC2-01

WEI Job No.: 7901-15-01

Client: **TranSystems Corporation**
Project: **I-80 Reconstruction (Houbolt Rd to Center St)**
Location: **Will County, Illinois**

wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

Sta. 821+44.73
Offset 12.78' Rt.

Page 1 of 1

Datum: NAVD 88
Elevation: 625.87 ft
North: 1764604.87 ft
East: 1040143.47 ft
Station: 575+62.56
Offset: 81.197 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
625.2	8-inch thick CONCRETE --PAVEMENT--														
624.7	6-inch thick SANDY GRAVEL --AGGREGATE BASE--														
	Very stiff to hard, brown and gray SILTY CLAY, trace to little gravel; damp														
	--FILL--														
	--RDR 2--														
		1	X	5	4	3.50	17					9	4	3.12	21
		2	X	5	8	6.15	18					10	4	2.13	22
		5	X	8	9			600.9				25	4		
									Boring terminated at 25.00 ft						
619.2	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp														
	--RDR 2--														
	--L _L (%)=44, P _L (%)=18--														
	--%Gravel=0.2--														
	--%Sand=1.6--														
	--%Silt=51.2--														
	--%Clay=47.0--														
	--A-7-6 (27)--														
		3	X	11	12	7.95	18								
		4	X	8	9	6.97	22								
		10	X	9	13										
		5	X	9	11	9.18	19								
		15	X	7	9	5.08	21								
		7	X	6	9	2.13	23								
		8	X	3	4	3.77	21								
		20	X	4	6										

GENERAL NOTES

Begin Drilling: 02-17-2023 Complete Drilling: 02-17-2023
 Drilling Contractor: Wang Testing Services Drill Rig: 20D25A [83%]
 Driller: KS&AP Logger: N. Karahalios Checked by: J. Bensen
 Drilling Method: 2.25" IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: ∇ DRY
 At Completion of Drilling: ∇ DRY
 Time After Drilling: NA
 Depth to Water: ∇ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG NAW15-03

WEI Job No.: 7901-15-01

Client: **TranSystems Corporation**
Project: **I-80 Reconstruction (Houbolt Rd to Center St)**
Location: **Will County, Illinois**

wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

Datum: NAVD 88
Elevation: 625.20 ft
North: 1764609.23 ft
East: 1040208.12 ft
Station: 820+79.94
Offset: 13.257 RT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
624.5	9-inch thick CONCRETE --PAVEMENT--														
624.0	6-inch thick SANDY GRAVEL --BASE COURSE--														
	--sand and silt seams; wet--														
	Stiff, brown and gray SILTY CLAY, trace gravel; damp to moist														
	--FILL--														
	--L _L (%)=36, P _L (%)=17--														
	--%Gravel=1.8--														
	--%Sand=9.2--														
	--%Silt=53.8--														
	--%Clay=35.2--														
	--A-6 (16)--														
	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp														
	--RDR 2--														
		1	X	13	2	1.00	22								
		2	X	2	3	1.39	16								
		5	X	3	6										
619.7	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp														
	--RDR 2--														
		3	X	6	7	5.00	19								
		4	X	5	8	6.64	23								
		10	X	5	13										
		5	X	7	7	4.92	20								
		15	X	4	5	2.79	19								
		6	X	5	8										
610.2	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling: 02-17-2023 Complete Drilling: 02-17-2023
 Drilling Contractor: Wang Testing Services Drill Rig: 20D25A [83%]
 Driller: KS&AP Logger: N. Karahalios Checked by: J. Bensen
 Drilling Method: 2.25" IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: ∇ 2.50 ft
 At Completion of Drilling: ∇ 10.00 ft
 Time After Drilling: NA
 Depth to Water: ∇ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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PLOT SCALE =	DRAWN - CJS	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 1
NOISE ABATEMENT WALL 15 - SN 099-N1017

SCALE: SHEET S2-7 OF S2-11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	314
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



BORING LOG NAW15-04

wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 625.02 ft
North: 1764632.08 ft
East: 1040425.41 ft
Station: 818+60.85
Offset: 22.543 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
624.74	624.74-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Very stiff, brown SILTY CLAY, trace gravel; damp --FILL--			1	3 4 6	3.69 B	20								
622.0	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--			2	4 8 13	4.26 B	20								
				3	12 13 16	2.50 P	18								
				4	6 7 11	4.76 B	19								
				5	5 8 10	4.51 B	20								
				6	8 11 12	2.50 P	20								
610.0	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-15-2023** Complete Drilling **02-15-2023**
 Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
 Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
 At Completion of Drilling **DRY**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG NAW15-05

wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 625.37 ft
North: 1764616.93 ft
East: 1040278.95 ft
Station: 820+08.77
Offset: 16.703 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
626.31	626.31-inch thick TOPSOIL Very stiff, brown SILTY CLAY LOAM, trace gravel; damp --FILL-- --RDR 2--			1	3 5 7	3.77 S	15								
622.4	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--			2	5 4 8	3.20 B	17								
				3	6 8 11	6.31 B	18								
				4	6 8 9	6.15 B	18								
				5	6 7 11	6.72 B	18								
				6	5 5 8	2.79 B	21								
610.4	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-15-2023** Complete Drilling **02-15-2023**
 Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
 Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
 At Completion of Drilling **DRY**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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PLOT SCALE =	DRAWN - CJS	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 2
NOISE ABATEMENT WALL 15 - SN 099-N1017

SCALE: SHEET S2-8 OF S2-11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	315
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



BORING LOG NAW15-06

wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

WEI Job No.: 7901-15-01

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 625.44 ft
North: 1764655.85 ft
East: 1040533.35 ft
Station: 817+46.90
Offset: 28.332 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
625.14	14-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Very stiff, gray and brown SILTY CLAY, trace gravel; damp --FILL--	0-5	X	1	5 5 4	2.80 B	20								
622.4	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--	5-10	X	2	5 5 11	6.40 B	18								
		10-15	X	3	8 8 10	4.50 P	17								
		15-20	X	4	8 8 10	4.10 B	22								
		20-25	X	5	8 8 10	2.87 B	19								
610.4		25-30	X	6	5 7 10	2.50 P	21								
	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-15-2023** Complete Drilling **02-15-2023**
 Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
 Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
 At Completion of Drilling **DRY**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG NAW15-07

wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

WEI Job No.: 7901-15-01

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 628.31 ft
North: 1764728.28 ft
East: 1040680.65 ft
Station: 815+75.81
Offset: 48.330 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
629.04	0.4-inch thick, brown SILTY CLAY LOAM, some gravel --TOPSOIL-- Medium stiff to stiff, brown SILTY CLAY LOAM, trace to some gravel; damp	0-5	X	1	3 5 6	1.00 P	17								
	--FILL-- --RDR 2-- --trace organic matter-- --L _L (%)=32, P _L (%)=15-- --%Gravel=11.3-- --%Sand=14.3-- --%Silt=50.1-- --%Clay=24.3-- --A-6 (11)--	5-10	X	2	3 4 5	0.98 B	18								
622.8	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--	10-15	X	3	10 12 14	6.72 B	17								
		15-20	X	4	6 7 11	4.84 B	17								
		20-25	X	5	7 6 8	2.87 B	21								
613.3		25-30	X	6	5 6 7	3.12 B	24								
	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-15-2023** Complete Drilling **02-15-2023**
 Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
 Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
 At Completion of Drilling **DRY**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

MODEL: BL_00_Plan_3 (Sheet)
FILE NAME: P:\TranSystems\Projects\I-80\2023\2023-02-15\Drawings\DWG\2023-02-15-STRUCT\2023-02-15-STRUCT.dwg



USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED
PLOT SCALE =	DRAWN - CJS	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 3
NOISE ABATEMENT WALL 15 - SN 099-N1017

SCALE: SHEET S2-9 OF S2-11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	316
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



BORING LOG NAW15-08

wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

WEI Job No.: 7901-15-01

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 631.24 ft
North: 1764877.11 ft
East: 1040809.26 ft
Station: 813+67.87
Offset: 105.992 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
630.6	8-inch thick, brown SILTY CLAY LOAM, some gravel --TOPSOIL-- Very stiff to hard, brown SILTY CLAY LOAM, trace gravel; damp --FILL-- --RDR 2--	0		1	7 4 6	3.28 B	18								
		5		2	7 9 11	4.50 P	17								
625.7	Hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--	5		3	6 7 12	4.51 S	18								
		10		4	4 6 11	5.25 B	18								
		15		5	6 9 13	6.15 B	22								
		20		6	7 8 12	6.31 B	22								
616.2	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-15-2023** Complete Drilling **02-15-2023**
 Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
 Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
 At Completion of Drilling **DRY**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG NAW15-09

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WEI Job No.: 7901-15-01

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 631.51 ft
North: 1765018.55 ft
East: 1040878.01 ft
Station: 812+04.80
Offset: 159.126 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
631.24	2.4-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Hard, brown to gray SILTY CLAY LOAM to SILTY CLAY, trace gravel; damp --RDR 2--	0		1	7 7 10	7.22 B	17								
		5		2	5 9 11	10.09 B	17								
		10		3	9 10 13	7.54 B	21								
		15		4	7 8 12	4.76 B	20								
		20		5	4 7 12	5.41 B	21								
		25		6	4 5 6	8.87 B	23								
616.5	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-15-2023** Complete Drilling **02-15-2023**
 Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
 Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **0.00 ft**
 At Completion of Drilling **12.00 ft**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

MODEL: BL_00_Plan 3 (Sheet)
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USER NAME = vjanachione
 DESIGNED - AMI, LAB
 DRAWN - CJS
 CHECKED - MI, LAB
 DATE - 6/4/24

REVISOR
 REVISION
 REVISION
 REVISION

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 4
NOISE ABATEMENT WALL 15 - SN 099-N1017

SCALE: SHEET S2-10 OF S2-11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	317
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



BORING LOG NAW15-10

wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

WEI Job No.: 7901-15-01
Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 633.42 ft
North: 1765144.83 ft
East: 1041027.33 ft
Station: 810+10.39
Offset: 137.990 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
633.2	3-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--	0		1	4 4 6	2.95 B	18								
		5		2	4 6 10	4.76 B	18								
		10		3	9 9 13	6.07 B	23								
		15		4	5 6 8	3.12 B	20								
		20		5	4 5 7	1.97 B	19								
		25		6	4 6 7	2.80 B	23								
618.4	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-15-2023** Complete Drilling **02-15-2023**
 Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
 Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling ∇ **0.00 ft**
 At Completion of Drilling ∇ **14.00 ft**
 Time After Drilling **NA**
 Depth to Water ∇ **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG NAW15-11

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Fax: 630-953-9938

WEI Job No.: 7901-15-01
Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 637.02 ft
North: 1765230.18 ft
East: 1041254.06 ft
Station: 807+92.27
Offset: 32.567 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
636.8	3-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Very stiff, brown and black SILTY CLAY, trace gravel; damp --FILL--	0		1	7 5 7	3.00 P	32								
634.0	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp to moist --RDR 2--	5		2	3 4 4	2.21 B	22								
	--wet sand lens--	10		3	3 4 4	3.00 P	23								
	--L _L (%)=35, P _L (%)=16-- --%Gravel=1.5-- --%Sand=13.3-- --%Silt=56.4-- --%Clay=28.8-- --A-6 (15)--	15		4	3 5 8	2.13 B	20								
		20		5	11 10 14	3.94 B	21								
		25		6	8 8 10	1.50 P	21								
622.0	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-15-2023** Complete Drilling **02-15-2023**
 Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
 Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
 Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling ∇ **7.00 ft**
 At Completion of Drilling ∇ **DRY**
 Time After Drilling **NA**
 Depth to Water ∇ **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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WANGENG 79011501.GPJ WANGENG.GDT 6/6/23



USER NAME = vjanachione
 DESIGNED - AMI, LAB
 DRAWN - CJS
 CHECKED - MI, LAB
 DATE - 6/4/24

REVISIONS
 REVISIONS -
 REVISIONS -
 REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 5
NOISE ABATEMENT WALL 15 - SN 099-N1017

SCALE: SHEET S2-11 OF S2-11 SHEETS STA. TO STA.

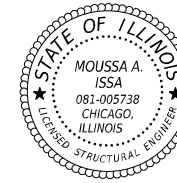
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	318
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

Benchmark: Set cut square on northwesterly corner of pier seat of most southerly Larkin Ave Bridge Pier on South side of Eastbound I-80 at Station 588+57.65, Offset 83.72' RT, Elev. 634.804. See Alignment, Tie and Benchmark Sheets.

Existing Structure: None.

Proposed Structure: The proposed noise abatement wall is a structure mounted noise abatement wall with a length of 238'-3³/₄" and a maximum height of 18'-0" measured from top of anchorage slab to top of noise wall.

Salvage: None.



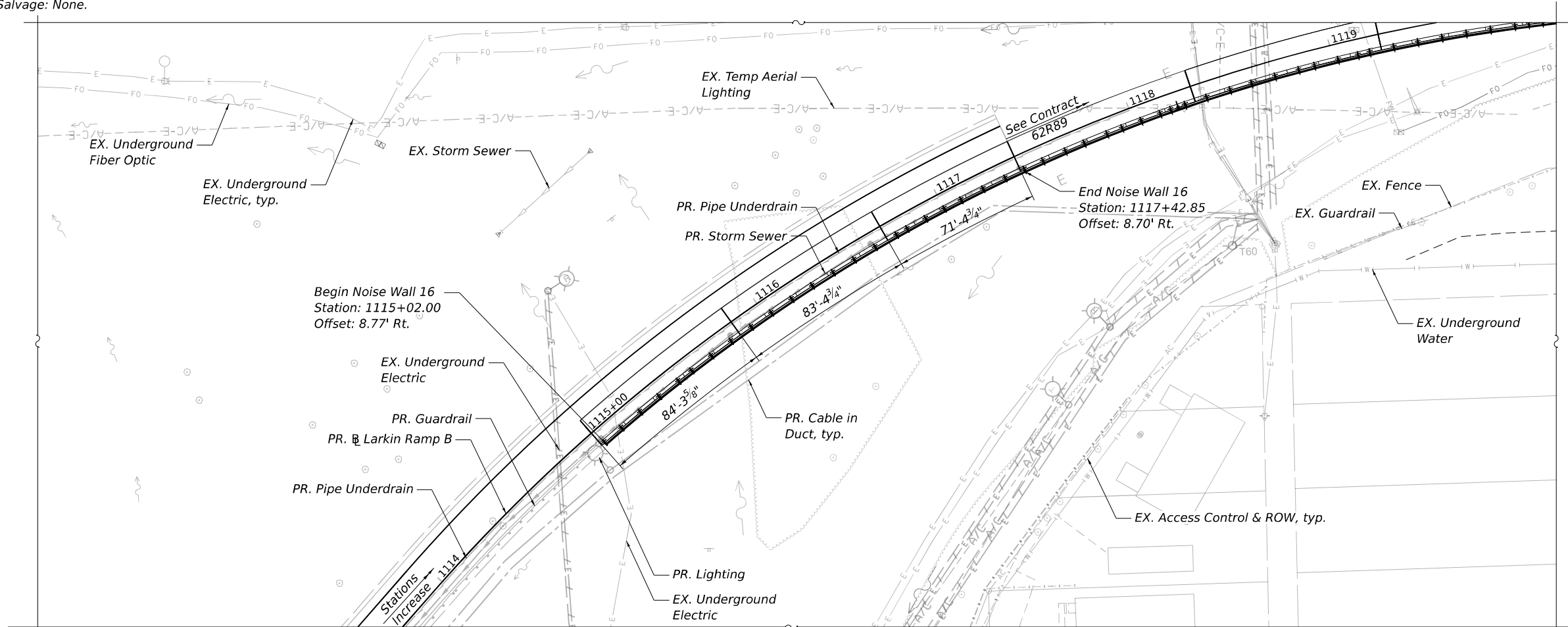
Signed Moussa A. Issa
 Dr. Moussa A. Issa, S.E. IL. LIC. No. 081-005738
 Expires 11-30-2024
 Date 05/20/2024 For Sheets S3-1 thru S3-3

NOTES:

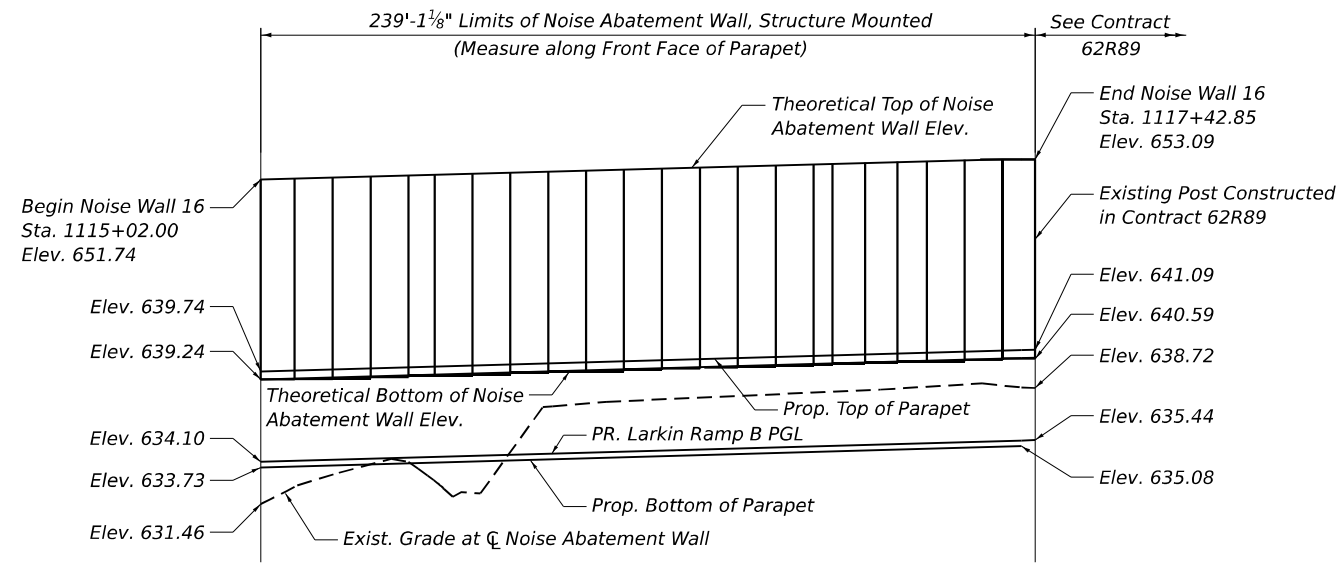
- For General Notes, Index of Sheets, General Details and Total Bill of Material see Sheet S3-2.
- Stations are measured along and offsets are measured to PR. Larkin Ramp B.

LEGEND:

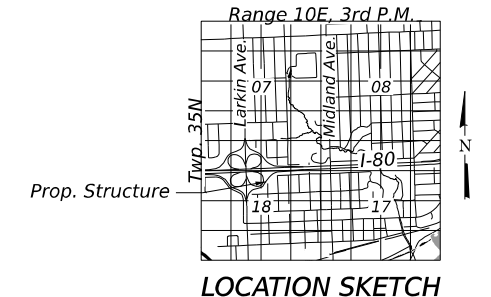
- T — Exist. Underground Telephone
- E — Exist. Underground Electric
- E — Prop. Underground Electric
- — Prop. Lighting Cable
- G — Exist. Underground Gas
- A — Exist. Aerial Line
- FO — Exist. Underground Fiber Optic
- FO — Prop. Underground Fiber Optic
- CTV — Exist. Underground Cable
- — Exist. Pipe Underdrain
- — Prop. Pipe Underdrain
- — Exist. Storm Sewer
- — Prop. Storm Sewer
- — Prop. Guardrail
- — Exist. Guardrail
- — Exist. Fence
- AC — Exist. Access Control & ROW
- A/C-E — Prop. Aerial Lighting Cable
- — Exist. Cable Barrier
- ⊙ ⊙ Exist. Lighting
- ⊙ ⊙ Prop. Lighting
- ⊙ • Prop. Drainage Structure
- Prop. Concrete Headwall
- ⊕ Soil Boring



PLAN
(S.N. 099-N1018)



ELEVATION
(S.N. 099-N1018)



**GENERAL PLAN AND ELEVATION
 NOISE ABATEMENT WALL
 ALONG LARKIN RAMP B
 F.A.I. RTE. I-80 SEC. FAI 80 21 STRUCTURE 4
 WILL COUNTY
 STA. 1115+02.00 TO STA. 1117+42.85
 SN 099-N1018 (NOISE WALL 16)**

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USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED
DRAWN - ADS, AMI	REVISED -	
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
 NOISE ABATEMENT WALL 16 - SN 099-N1018**

SCALE: SHEET S3-1 OF S3-4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	319
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

GENERAL NOTES:

- The Contractor shall field verify location of the existing utilities prior to construction. The Contractor shall take precautions not to damage existing utilities. Any such damage shall be repaired by the Contractor at no additional cost.
- Contractor shall provide Ashlar Stone Finish on both faces of Noise Abatement Wall. See Sheet S3-4.
- The default color of both sides of the panels, posts and other visible elements shall be Federal Standard 30279 - Sand.
- Under no circumstances should truck beds be raised underneath ComEd transmission lines.
- Wall 16 (SN 099-N1018) shall continue from Contract 62R89.
- For post locations, spacing, and numbering, see Data Table on this Sheet and S5-1 thru S5-7 for Anchorage Slab 16.

INDEX OF SHEETS

- S3-1 General Plan And Elevation
- S3-2 General Notes, Data Tables, Profile Grade, And TBOM
- S3-3 Sections and Details
- S3-4 Ashlar Stone Finish

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

$f_y = 50,000$ psi (Struct. Steel, M270 Grade 50, posts)
 $f_y = 36,000$ psi (Struct. Steel, M270 Grade 36, all other structural steel)

PRECAST UNITS

$f'_c = 4,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

DESIGN LOADS

Strength III or V Wind: 35 psf
 Service I Wind: 15 psf

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Name Plates	Each	1
Noise Abatement Wall, Structure Mounted	Sq Ft	3011

NOISE REDUCTION DATA

Noise Wall Structure Number	Face	From Sta.	To Sta.	Noise Reduction	Comments
099-N1018	Roadway Face	1115+02.00	1117+42.85	Reflective	-
	Residential Face	1115+02.00	1117+42.85	Reflective	-

NOISE ABATEMENT WALL
 BUILT 202_ BY
 STATE OF ILLINOIS
 F.A.I. RTE. I-80
 SECTION FAI 80 21 STRUCTURE 4
 FROM STA. 1115+02.00
 TO STA. 1117+42.85
 STRUCTURE NO. 099-N1018

NAME PLATE
 See Std. 515001

UTILITY CROSSING TABLE

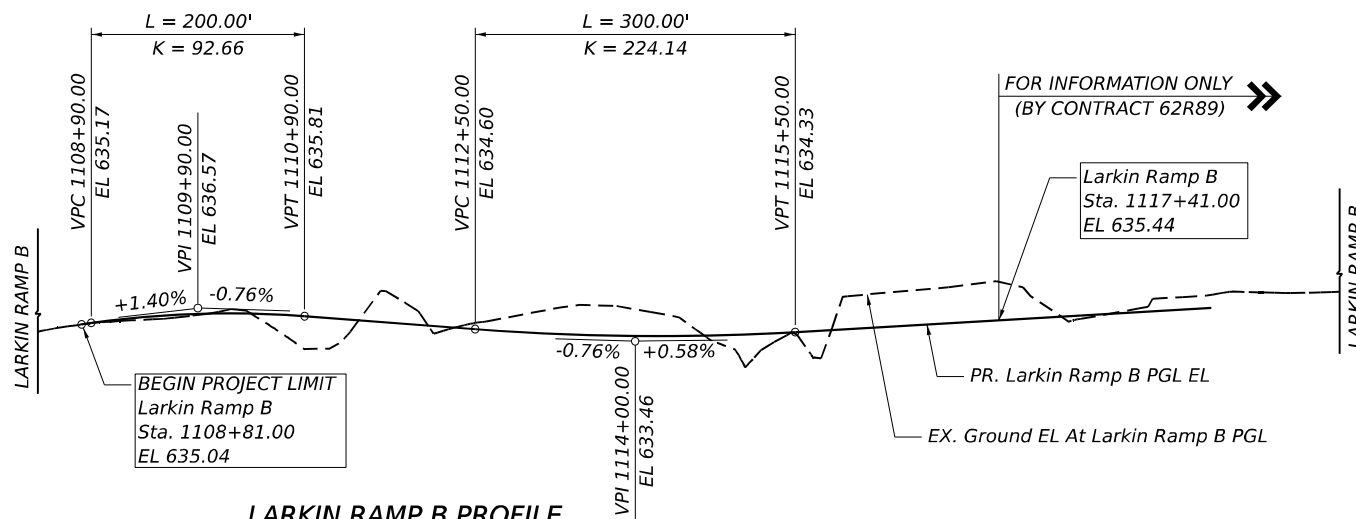
UTILITY	STATION*	OFFSET (RT)*	ELEV. (FT)	COMMENTS
Exist. Underground Electric	1115+09.31	8.70'	-	-
Prop. Pipe Underdrain	1115+02.00 to 1117+42.85	1.00'	-	Within 10 feet of wall. Station and offsets are measured along the utility.
Prop. 36" Storm Sewer	1115+02.00 to 1117+42.85	5.00' to 6.52'	-	Within 5 feet of wall. Station and offsets are measured along the utility.

* Stations and Offsets are measured to the centerline of proposed noise abatement wall unless noted otherwise

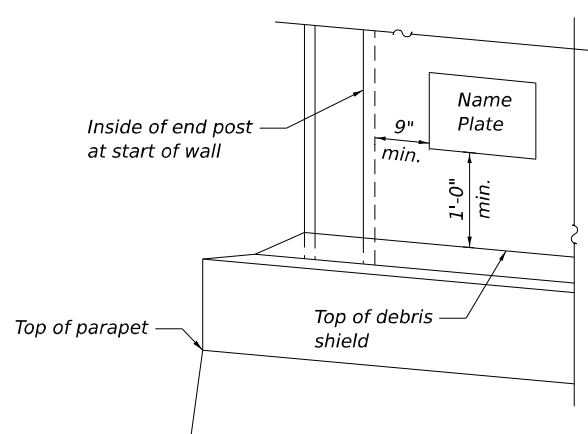
NOISE ABATEMENT WALL DATA TABLE

Post	Station	Offset to Centerline of Post (ft) (RT.)	Theoretical Top of NAW Elev.	I-80 Larkin Ramp B Profile Elev.	Top of Parapet Elev.	Existing Grade Elev. At Front Face of NAW	Theoretical Bottom of NAW Elev.	Theoretical Wall Height (ft)
P16-01	1115+02.00	8.77	651.74	634.10	639.74	631.46	639.24	12.50
P16-02	1115+12.61	8.77	651.78	634.14	639.78	632.54	639.28	12.50
P16-03	1115+24.40	8.77	651.84	634.20	639.84	633.29	639.34	12.50
P16-04	1115+36.19	8.77	651.90	634.26	639.90	633.93	639.40	12.50
P16-05	1115+47.98	8.77	651.96	634.32	639.96	634.10	639.46	12.50
P16-06	1115+56.07	8.77	652.01	634.37	640.01	632.91	639.51	12.50
P16-07	1115+67.86	8.77	652.08	634.44	640.08	632.16	639.58	12.50
P16-08	1115+79.65	8.77	652.14	634.50	640.14	634.69	639.64	12.50
P16-09	1115+91.44	8.77	652.21	634.57	640.21	637.54	639.71	12.50
P16-10	1116+03.23	8.77	652.28	634.64	640.28	637.74	639.78	12.50
P16-11	1116+15.02	8.77	652.35	634.71	640.35	637.89	639.85	12.50
P16-12	1116+26.80	8.77	652.42	634.78	640.42	637.99	639.92	12.50
P16-13	1116+38.59	8.77	652.49	634.85	640.49	638.10	639.99	12.50
P16-14	1116+50.38	8.77	652.56	634.92	640.56	638.20	640.06	12.50
P16-15	1116+62.17	8.77	652.63	634.99	640.63	638.31	640.13	12.50
P16-16	1116+73.96	8.77	652.70	635.06	640.70	638.42	640.20	12.50
P16-17	1116+79.86	8.77	652.73	635.09	640.73	638.47	640.23	12.50
P16-18	1116+89.96	8.77	652.79	635.15	640.79	638.57	640.29	12.50
P16-19	1117+00.07	8.77	652.85	635.21	640.85	638.68	640.35	12.50
P16-20	1117+09.17	8.77	652.90	635.26	640.90	638.79	640.40	12.50
P16-21	1117+20.95	8.77	652.97	635.33	640.97	638.93	640.47	12.50
P16-22	1117+32.74	8.77	653.00	635.40	641.04	638.87	640.54	12.46
***P16-23	1117+42.85	8.77	653.00	635.44	641.09	638.72	640.59	12.41

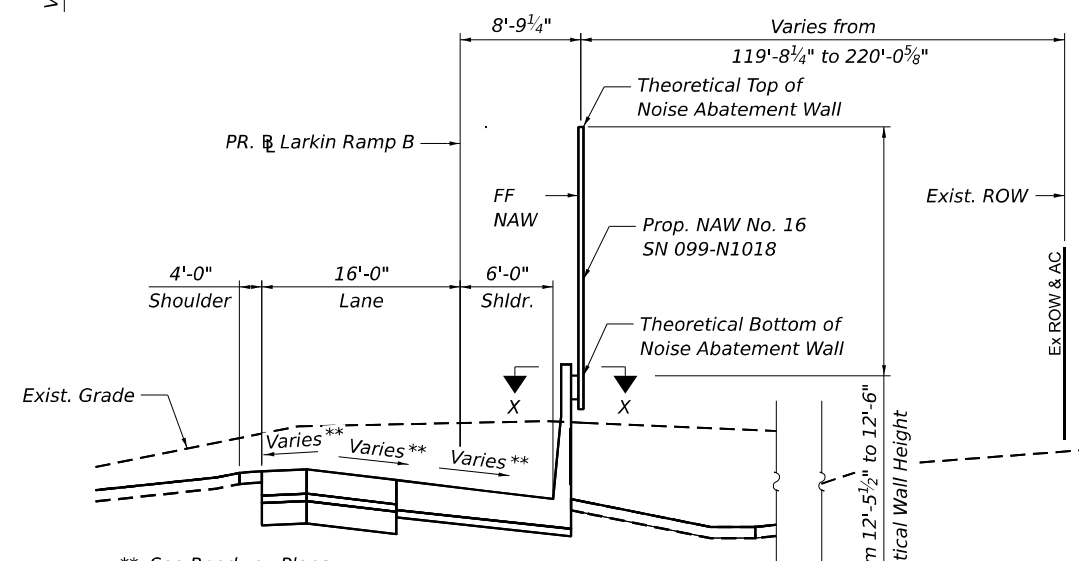
*** Existing Post Constructed in Contract 62R89



LARKIN RAMP B PROFILE



NAME PLATE FOR NOISE ABATEMENT WALL, STRUCTURE MOUNTED



TYPICAL SECTION THRU WALL (Looking Upstation) Sta. 1115+02.00 to Sta. 1117+42.85

MODEL: BL_00 - Plan 3 (Sheet)
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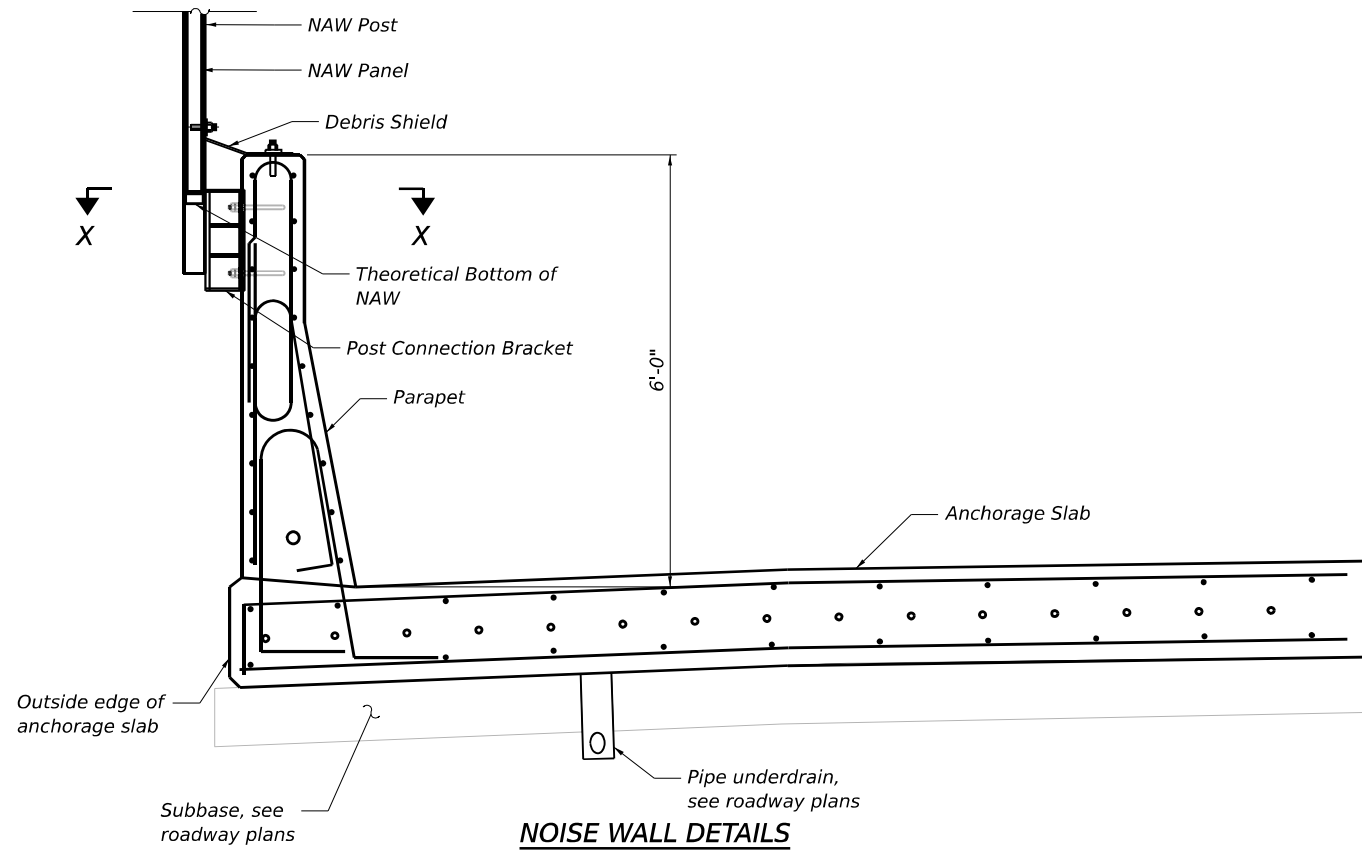
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PLOT SCALE =	DRAWN - ADS, AMI	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

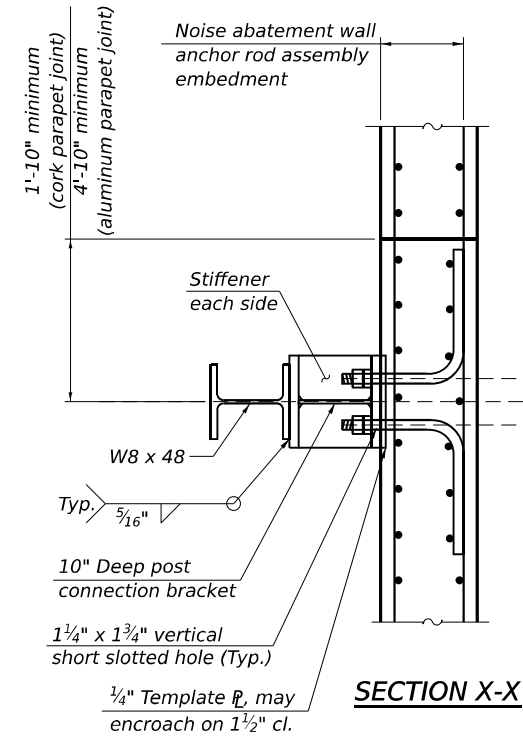
GENERAL NOTES, DATA TABLES, PROFILE GRADE, AND TBOM
NOISE ABATEMENT WALL 16 - SN 099-N1018

F.A.I. RTE. I-80	SECTION FAI 80 21 STRUCTURE 4	COUNTY WILL	TOTAL SHEETS 550	SHEET NO. 320
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

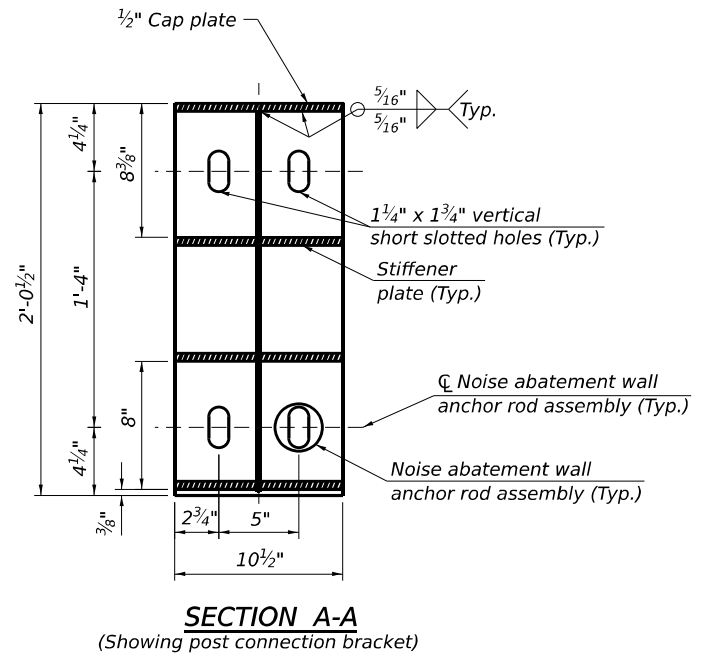
SCALE: SHEET S3-2 OF S3-4 SHEETS STA. TO STA.



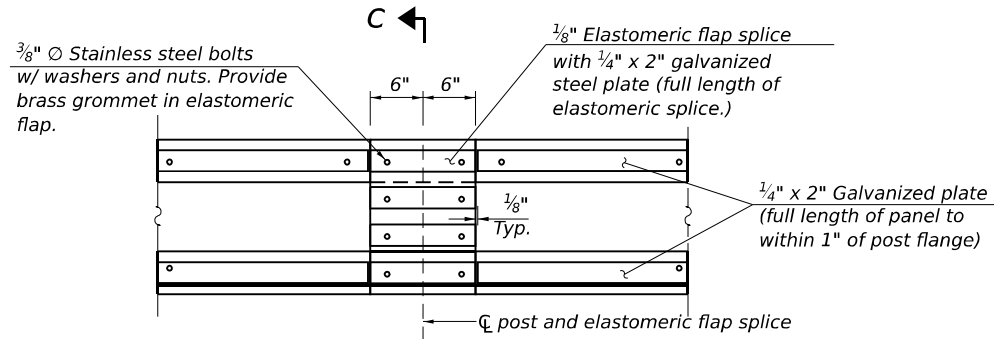
NOISE WALL DETAILS



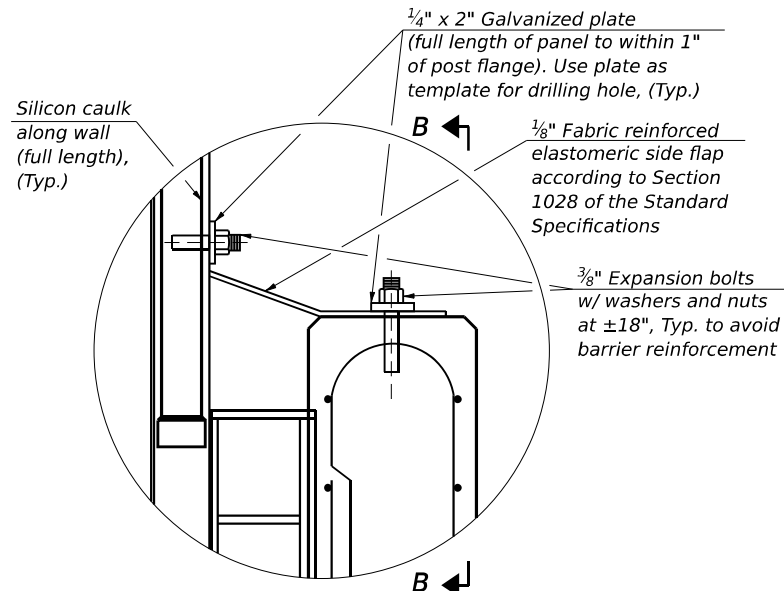
SECTION X-X



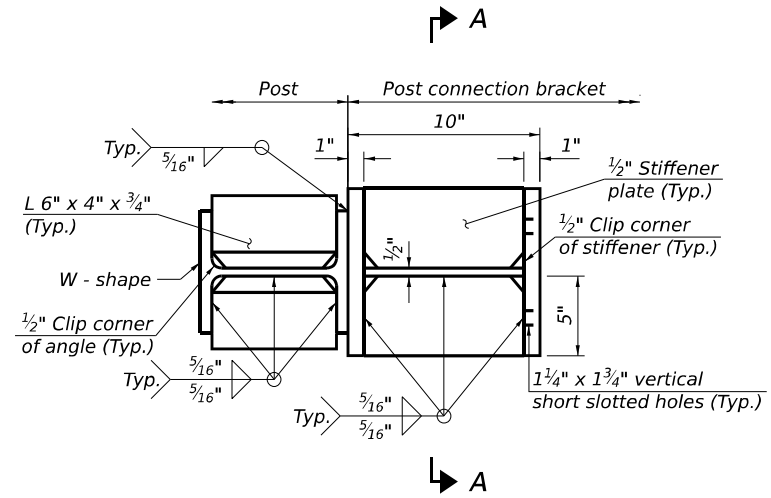
SECTION A-A
(Showing post connection bracket)



SECTION B-B

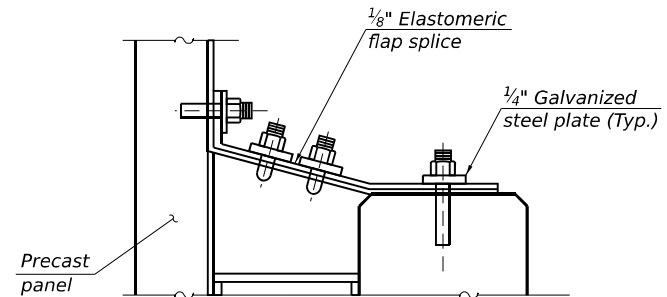


TYPICAL SECTION THRU DEBRIS SHIELD



SECTION THRU POST AND POST CONNECTION BRACKET
(Template R not shown for clarity)

NOTE:
1. Anchorage Slab, Template Plate, and anchor rod details are paid with Anchorage Slab and shown here for information only. See Anchorage Slab plans for full details.



SECTION C-C

MODEL: BL_00_Plan_3 (Sheet)
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 PROJECT: 2018/04/01/180022/02-Trans/Structure/Noise/Walls/62R25-SHT-NAW16-STRUCT-4.dgn



USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED
DRAWN - ADS, AMI	REVISIONS	
PLOT SCALE =	CHECKED - MI, LAB	REVISIONS
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISIONS

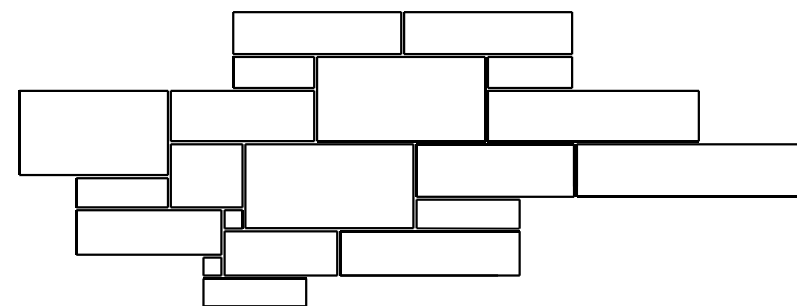
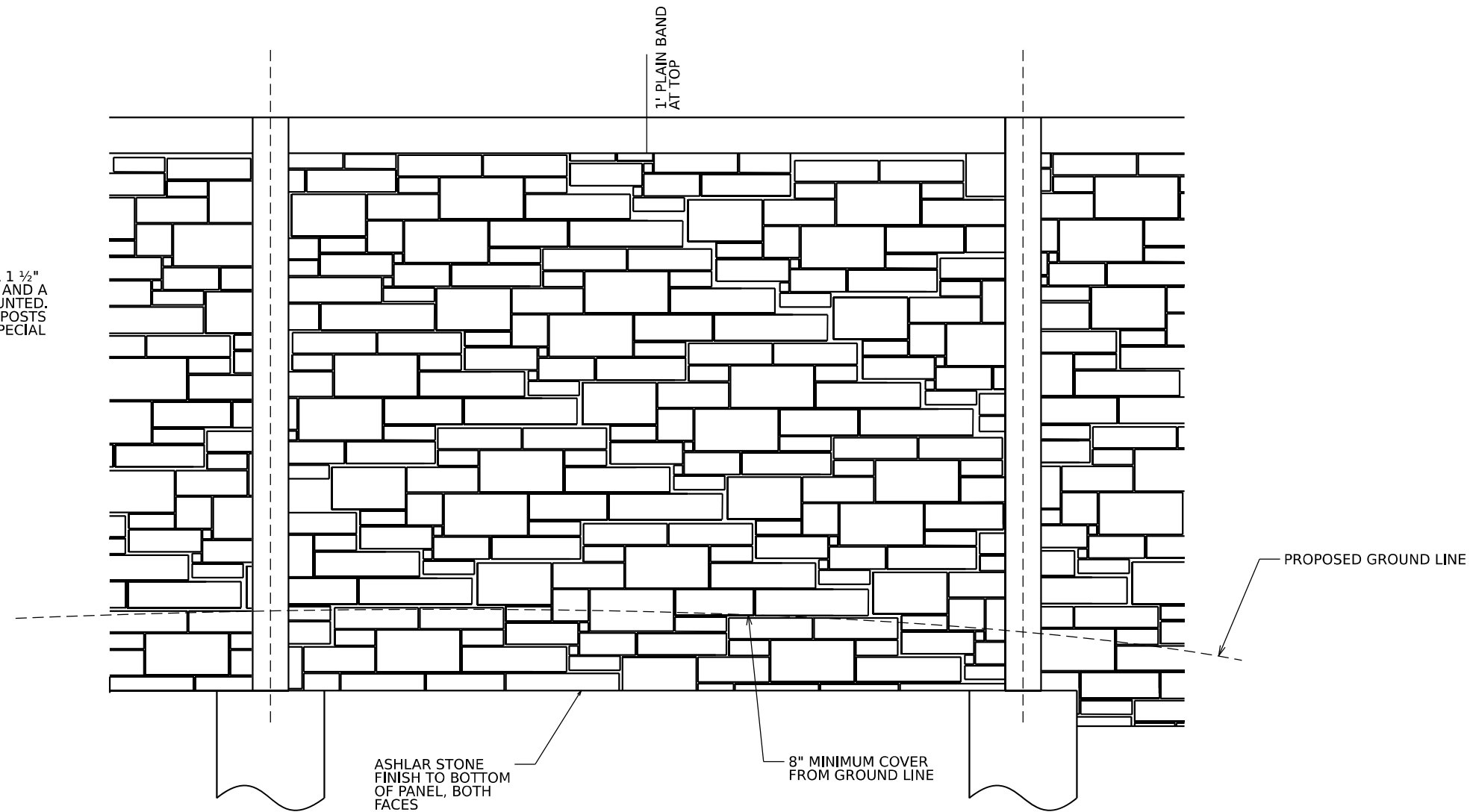
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SECTIONS AND DETAILS	
NOISE ABATEMENT WALL 16 - SN 099-N1018	
SCALE:	SHEET S3-3 OF S3-4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	321
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

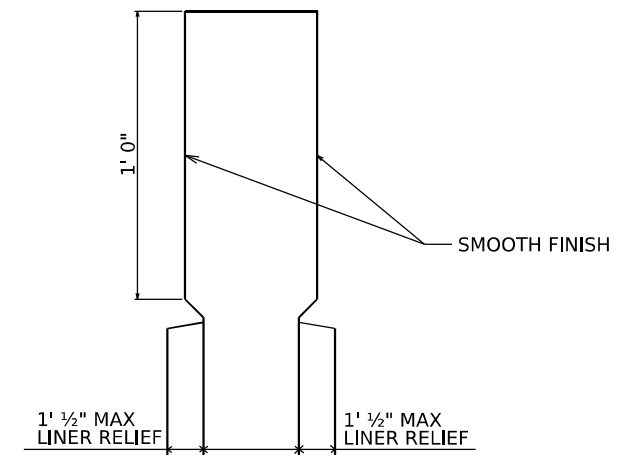
NOTES:

1. EACH SIDE OF THE NOISE WALL PANELS SHALL HAVE A ROLLED ASHLAR STONE FINISH. THE FINISH SHALL HAVE A 1 1/2" RELIEF FOR NOISE ABATEMENT WALL, GROUND MOUNTED AND A 3/4" RELIEF FOR NOISE ABATEMENT WALL, STRUCTURE MOUNTED. THE COLOR OF BOTH SIDES OF THE PANELS, PLAIN BAND, POSTS AND ALL OTHER VISIBLE ELEMENTS SHALL FOLLOW THE SPECIAL PROVISIONS.



STONE PATTERN SIZES:
3" x 3" - 14" x 28"

ENLARGED PATTERN DETAIL



ENLARGED CAP DETAIL

MODEL: NOISE WALLS DETAILS MAIN16
FILE NAME: p:\projects\23-Structural\Noise Walls\Noise Walls Details.dgn

TRANSYSTEMS

USER NAME = vjanachione	DESIGNED - VLJ	REVISED
PLOT SCALE =	DRAWN - DIO	REVISED -
PLOT DATE = 6/4/2024	CHECKED - JMG	REVISED -
	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ASHLAR STONE FINISH
NOISE ABATEMENT WALL 16 - SN 099-N1018**

SCALE: NONE SHEET S3-4 OF S3-4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	322
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

Benchmark: Set cut square on northwesterly corner of pier seat of most southerly Larkin Ave Bridge Pier on South side of Eastbound I-80 at Station 588+57.65, Offset 83.72' RT, Elev. 634.804. See Alignment, Tie and Benchmark Sheets.

Existing Structure: None.

Proposed Structure: The proposed noise abatement wall consists of two segments. Segment 1 is a ground mounted wall with a length of 695'-3³/₈" and a maximum height of 19'-1¹/₄" measured from proposed grade to top of noise wall. Segment 2 is a structure mounted wall with a length of 738'-7¹/₈" and a maximum height of 16'-1³/₈" measured from the top of anchorage slab to top of noise wall.

Salvage: None.



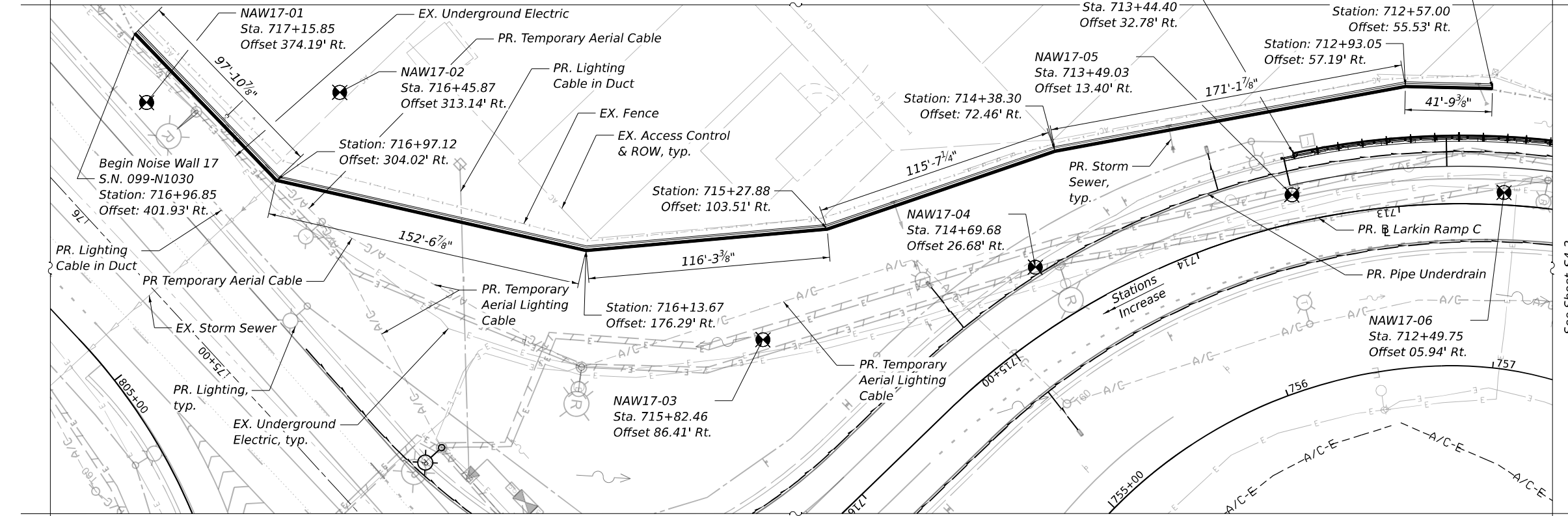
Signed Moussa A. Issa
 Dr. Moussa A. Issa, S.E. IL. LIC. No. 081-005738
 Expires 11-30-2024
 Date 05/20/2024 For Sheets S4-1 thru S4-6
 and S4-8 thru S4-10

NOTES:

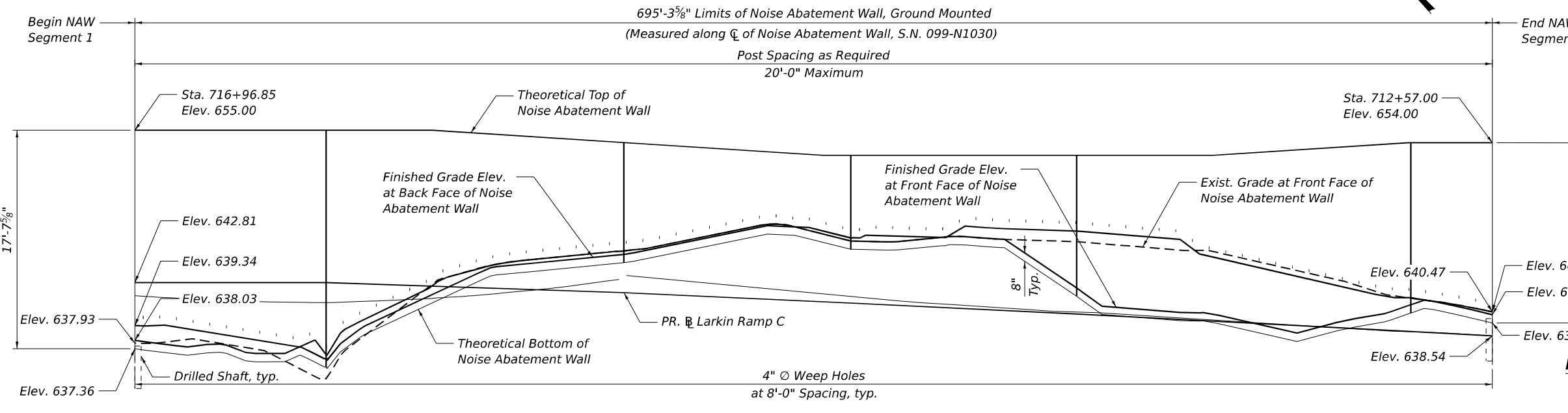
- For General Notes, Index of Sheets, General Details and Total Bill of Material see Sheet S4-3.
- Stations are measured along and offsets are measured to PR. Larkin Ramp C.

LEGEND:

- T — Exist. Underground Telephone
- E — Exist. Underground Electric
- E — Prop. Underground Electric
- - - Prop. Lighting Cable
- G - Exist. Underground Gas
- A - Exist. Aerial Line
- FO - Exist. Underground Fiber Optic
- FO - Prop. Underground Fiber Optic
- CTV - Exist. Underground Cable
- > Exist. Pipe Underdrain
- > Prop. Pipe Underdrain
- > Exist. Storm Sewer
- > Prop. Storm Sewer
- > Prop. Guardrail
- > Exist. Guardrail
- - - - - Exist. Fence
- AC - Exist. Access Control & ROW
- A/C-E - Prop. Aerial Lighting Cable
- O — Exist. Cable Barrier
- ⊙ ⊙ Exist. Lighting
- ⊙ ⊙ Prop. Lighting
- ⊙ • Prop. Drainage Structure
- Prop. Concrete Headwall
- ⊕ Soil Boring



PLAN
(S.N. 099-N1030)



ELEVATION
(S.N. 099-N1030)



GENERAL PLAN AND ELEVATION NOISE ABATEMENT WALL ALONG LARKIN RAMP C
F.A.I. RTE. I-80 SEC. FAI 80 21 STRUCTURE 4 WILL COUNTY
STA. 716+96.85 TO STA. 706+13.10
SN 099-N1019 & SN 099-N1030 (NOISE WALL 17)

MODEL: BL (PR. I80 - Plan 3) [Sheet]
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 6/4/2024



USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED
PLOT SCALE =	DRAWN - ADS, AMI	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION 1
NOISE ABATEMENT WALL 17 - SN 099-N1030
 SCALE: SHEET S4-1 OF S4-10 SHEETS STA. TO STA.

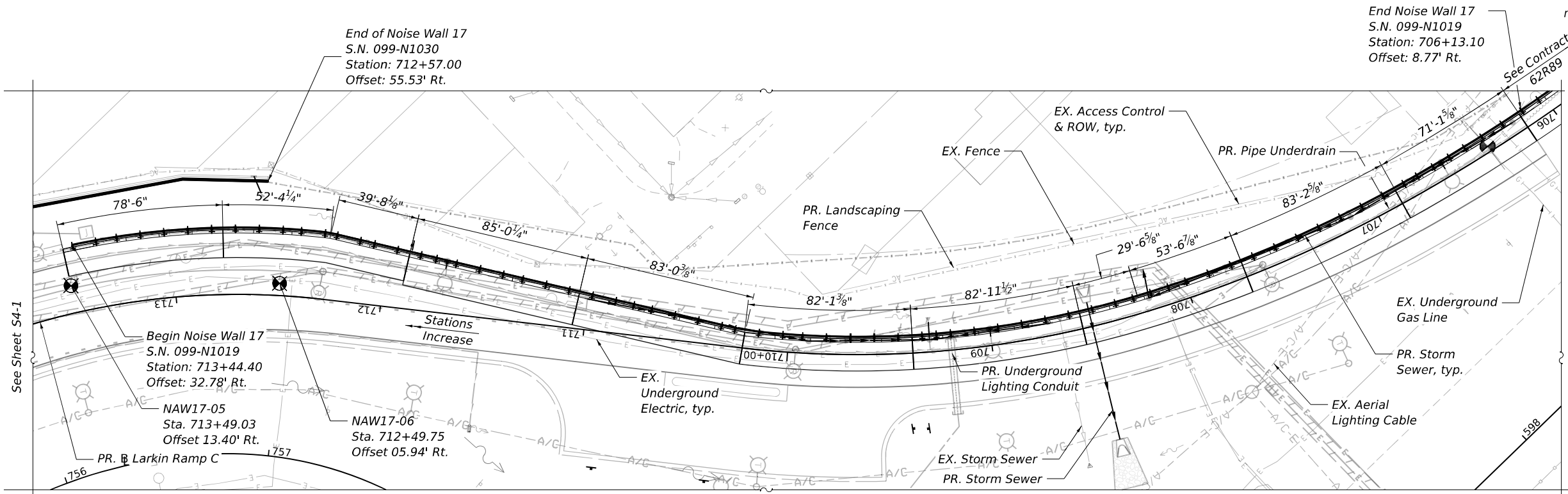
F.A.I. RTE. I-80	SECTION FAI 80 21 STRUCTURE 4	COUNTY WILL	TOTAL SHEETS 550	SHEET NO. 323
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

NOTES:

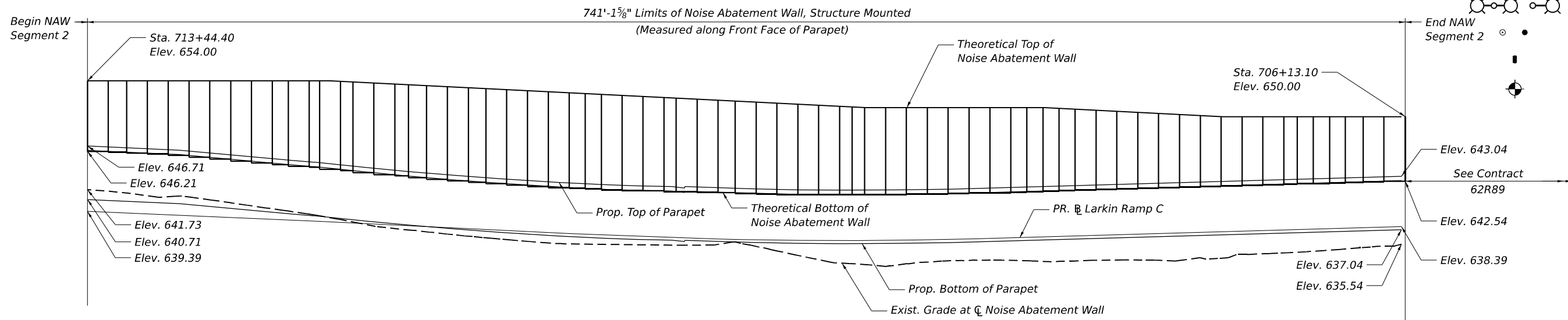
1. For General Notes, Index of Sheets, General Details and Total Bill of Material see Sheet S4-3.
2. Stations are measured along and offsets are measured to PR. Larkin Ramp C.

LEGEND:

- T — Exist. Underground Telephone
- E — Exist. Underground Electric
- E — Prop. Underground Electric
- - - - Prop. Lighting Cable
- G — Exist. Underground Gas
- A — Exist. Aerial Line
- FO — Exist. Underground Fiber Optic
- FO — Prop. Underground Fiber Optic
- CTV — Exist. Underground Cable
- — — — — Exist. Pipe Underdrain
- — — — — Prop. Pipe Underdrain
- — — — — Exist. Storm Sewer
- — — — — Prop. Storm Sewer
- — — — — Prop. Guardrail
- — — — — Exist. Guardrail
- — — — — Exist. Fence
- AC — Exist. Access Control & ROW
- A/C-E — Prop. Aerial Lighting Cable
- — — — — Exist. Cable Barrier
- ○ Exist. Lighting
- ○ Prop. Lighting
- ⊙ ● Prop. Drainage Structure
- Prop. Concrete Headwall
- ⊕ Soil Boring



PLAN
(S.N. 099-N1019)



ELEVATION
(S.N. 099-N1019)

MODEL: BL_PR_00_Plan 3 (Sheet)
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USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED
PLOT SCALE =	DRAWN - ADS, AMI	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION 2
NOISE ABATEMENT WALL 17 - SN 099-N1019**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	324
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET S4-2 OF 54-10 SHEETS STA. TO STA.

GENERAL NOTES:

- The Contractor shall field verify location of the existing utilities prior to construction. The Contractor shall take precautions not to damage existing utilities. Any such damage shall be repaired by the Contractor at no additional cost.
- Noise Abatement Wall drilled shaft foundation diameter, depth and spacing to be determined by the Contractor in accordance with the Special Provision.
- Contractor shall provide Ashlar Stone Finish on both faces of Noise Abatement Wall. See Sheet S4-7.
- The default color of both sides of the panels, posts and other visible elements shall be Federal Standard 30279 - Sand.
- All underground utilities or drainage structure removal or installation shall be completed prior to foundation installation.
- Any rock excavation required for noise wall construction will not be paid separately and will be included with Noise Abatement Wall, Ground Mounted.
- Under no circumstances should truck beds be raised underneath ComEd transmission lines.
- For post locations, spacing, and numbering, see Sheets S4-4 and S6-1 thru S6-14 for Anchorage Slab 17.
- For Boring logs, see Sheets S4-8 thru S4-10.
- Contractor shall provide 4" \varnothing weep holes at ground level in the bottom of the wall at a spacing of 8 ft from Stations 716+96.85 to 712+57.00. Cost shall be included with Noise Abatement Wall, Ground Mounted.
- Wall 17 (SN 099-N1019) shall continue from Contract 62R89.

INDEX OF SHEETS

- S4-1 General Plan And Elevation 1
- S4-2 General Plan And Elevation 2
- S4-3 General Notes And Bill of Material
- S4-4 Data Tables, Profile Grade, And Horizontal Curve Data
- S4-5 Typical Sections And Details 1
- S4-6 Typical Sections And Details 2
- S4-7 Ashlar Stone Finish
- S4-8 Soil Borings 1
- S4-9 Soil Borings 2
- S4-10 Soil Borings 3

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

- $f_c = 4,000$ psi (Drilled Shafts)
- $f_y = 60,000$ psi (Reinforcement)
- $f_y = 50,000$ psi (Struct. Steel, M270 Grade 50, posts)
- $f_y = 36,000$ psi (Struct. Steel, M270 Grade 36, all other structural steel)

PRECAST UNITS

- $f_c = 4,500$ psi
- $f_y = 60,000$ psi (Reinforcement)
- $f_y = 65,000$ psi (Welded Wire Reinforcement)

DESIGN LOADS

- Strength III or V Wind: 35 psf
- Service I Wind: 15 psf
- Unfactored Max. Active Earth Pressure: 253 psf
- Unfactored Live Load Surcharge: 87 psf

TOTAL BILL OF MATERIAL

ITEM	UNIT	SN 099-N1030	SN 099-N1019	TOTAL
Name Plates	Each	1	1	2
Geocomposite Wall Drain	Sq Yd	101	0	101
Pipe Underdrains For Structures 4"	Foot	696	0	696
Noise Abatement Wall, Ground Mounted	Sq Ft	7,887	0	7,887
Noise Abatement Wall, Structure Mounted	Sq Ft	0	6,800	6,800

NOISE REDUCTION DATA

Noise Wall Structure Number	Face	From Sta.	To Sta.	Noise Reduction	Comments
099-N1019 & 099-N1030	Roadway Face	716+96.85	706+13.10	Reflective	-
	Residential Face	716+96.85	706+13.10	Reflective	-

UTILITY CROSSING TABLE

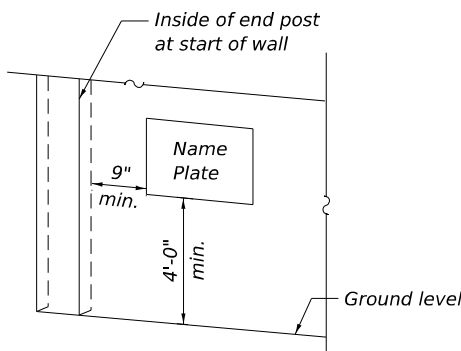
Segment 1 SN 099-N1030		STATION*	OFFSET (RT)*	ELEV. (FT)	COMMENTS
UTILITY					
Exist. Underground Electric		717+04.67 to 717+06.62	401.93 to 300.28	-	Within 10 feet of wall. Station and offsets are measured along the utility.
** Temp. Aerial Cable for Lighting		716+99.47 to 716+95.37	401.93 to 283.06	-	Within 10 feet of wall; Crossing the wall at Sta. 716+96.04 and 716+97.02 Station and offsets are measured along the utility.
Exist. Storm Sewer		716+97.00	342.27'	-	
Exist. Storm Sewer		716+97.12	304.41'	-	
Prop. Storm Sewer		716+97.12	311.67'	-	
Prop. Lighting Cable in Duct		716+47.20	227.61'	-	
12" Prop. Storm Sewer		715+02.57	91.36'	636.78	
12" Prop. Storm Sewer		713+92.30	59.85'	637.32	
12" Prop. Storm Sewer		712+62.17	55.51'	637.18	

* Stations and Offsets are measured to the centerline of proposed noise abatement wall unless noted otherwise

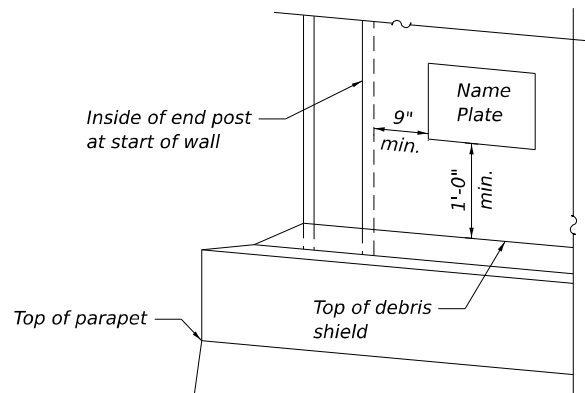
Segment 2 SN 099-N1019		STATION*	OFFSET (RT)*	ELEV. (FT)	COMMENTS
UTILITY					
Prop. Pipe Underdrain		713+49.00 to 706+13.15	Varies from 1.00' to 25.00'	-	Within 10 feet of wall. Station and offsets are measured along the utility.
Exist. Underground Electric		713+49.00 to 706+13.15	Varies	-	Within 20 feet of wall.
Prop. Junction Box		713+35.28	32.71'	-	
Prop. Electric in Parapet Cable		713+35.28 to 706+13.15	Varies	-	Within 5 feet of wall. Through Anchorage Slab 17 parapet.
Proposed Lightpole		711+70.02	24.81'	-	Attached to Parapet of Anchorage Slab 17. Station and offsets are measured at the center of lightpole.
Prop. 12" Storm Sewer		709+90.00 to 711+00.00	6.00' to 15.12'	-	Within 5 feet of wall. Station and offsets are measured for the drainage structures.
Prop. 15" Storm Sewer		709+90.00 to 709+30.19	6.00'	-	Within 5 feet of wall. Station and offsets are measured for the drainage structures.
Prop. 18" Storm Sewer		709+30.19	8.71'	631.43	
Prop. 12" Storm Sewer		708+70.12 to 709+30.19	6.00'	-	Within 5 feet of wall. Station and offsets are measured for the drainage structures.
Exist. 24" Storm Sewer		708+64.90	8.71'	-	
Prop. 36" Storm Sewer		708+49.98	8.71'	630.20	
Prop. 15" Storm Sewer		708+19.35	8.71'	631.32	
Proposed Lightpole		708+99.94	7.58'	-	Attached to Parapet of Anchorage Slab 17. Station and offsets are measured at the center of lightpole.
Prop. 15" Storm Sewer		707+12.44 to 708+19.62	6.00'	-	Within 5 feet of wall. Station and offsets are measured for the drainage structures.
Proposed Lightpole		706+60.19	7.51'	-	Attached to Parapet of Anchorage Slab 17. Station and offsets are measured at the center of lightpole.
Exist. Underground Gasline		706+38.09	8.70'	-	
Prop. 15" Storm Sewer		706+20.03 to 707+12.44	6.00'	-	Within 5 feet of wall. Station and offsets are measured for the drainage structures.

* Stations and Offsets are measured to the centerline of proposed noise abatement wall unless noted otherwise.

** Temporary Aerial Cable may be relocated as necessary to construct noise walls. See Lighting Plans.



NAME PLATE FOR NOISE ABATEMENT WALL, GROUND MOUNTED



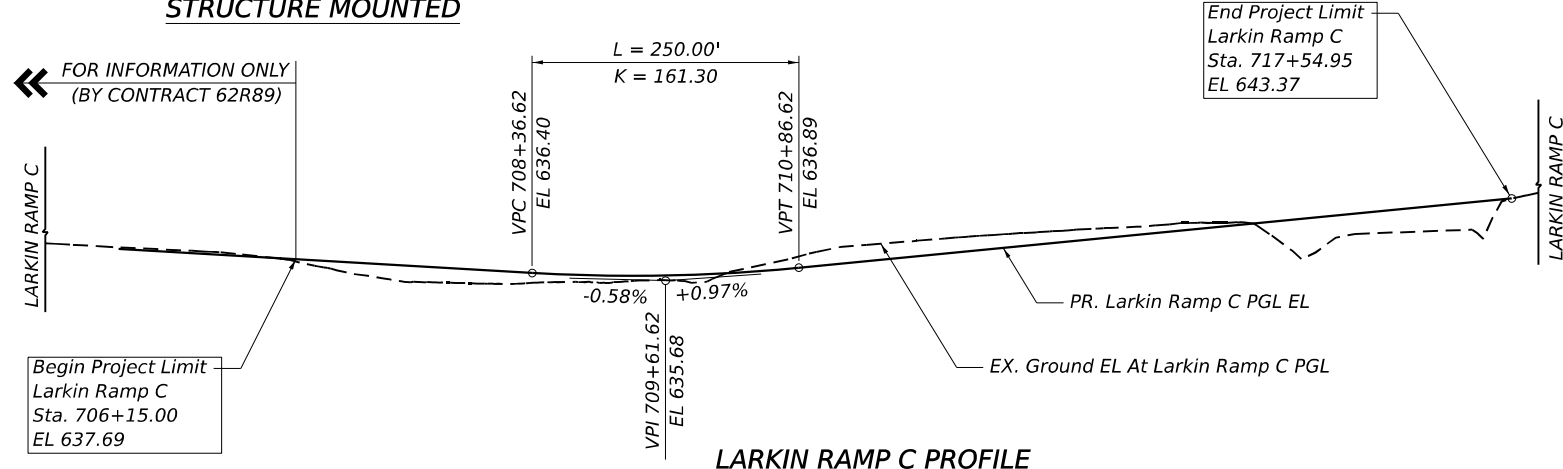
NAME PLATE FOR NOISE ABATEMENT WALL, STRUCTURE MOUNTED

NOISE ABATEMENT WALL
BUILT 202 BY
STATE OF ILLINOIS
F.A.I. RTE. I-80
SECTION FAI 80 21 STRUCTURE 4
FROM STA. 716+96.85 TO STA. 712+57.00
STRUCTURE NO. 099-N1030

NAME PLATE
See Std. 515001

NOISE ABATEMENT WALL
BUILT 202 BY
STATE OF ILLINOIS
F.A.I. RTE. I-80
SECTION FAI 80 21 STRUCTURE 4
FROM STA. 713+44.40 TO STA. 706+13.10
STRUCTURE NO. 099-N1019

NAME PLATE
See Std. 515001



LARKIN RAMP C PROFILE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND BILL OF MATERIAL
NOISE ABATEMENT WALL 17 - SNS 099-N1019 & 099-N1030**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	325
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED
PLOT SCALE =	DRAWN - ADS, AMI	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

MODEL: BL_00 - Plan 3 (Sheet)
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NOISE ABATEMENT WALL DATA TABLE

Segment 1 SN 099-N1030

Station	Offset (Rt.) to Centerline Wall (ft)	Theoretical Top of NAW Elev.	I-80 Larkin Ramp C Profile Elev.	Finished Grade Elev. At Front Face of NAW	Finished Grade Elev. At Back Face of NAW	Existing Grade Elev. At Front Face of NAW	Theoretical Bottom of NAW Elev.	Theoretical Wall Height (ft)	Retained Height (ft)
716+96.85	401.93	655.00	642.81	638.03	639.34	637.93	637.36	17.64	1.32
716+96.87	394.48	655.00	642.81	638.03	639.35	637.93	637.36	17.64	1.32
716+96.92	376.63	655.00	642.81	637.66	639.11	638.25	636.99	18.01	1.45
716+96.95	365.91	655.00	642.81	637.85	638.85	638.11	637.18	17.82	1.01
716+96.97	358.77	655.00	642.81	637.90	638.69	637.95	637.23	17.77	0.79
716+96.98	355.20	655.00	642.81	637.81	638.60	637.86	637.15	17.85	0.79
716+97.01	344.49	655.00	642.81	637.21	638.35	637.61	636.55	18.45	1.14
716+97.02	340.92	655.00	642.81	637.13	638.22	637.48	636.46	18.54	1.10
716+97.06	326.63	655.00	642.81	637.14	637.84	636.53	636.47	18.53	0.70
716+97.08	319.49	655.00	642.81	637.65	637.65	635.93	636.99	18.01	0.00
716+97.09	315.92	655.00	642.81	637.72	637.63	635.85	636.96	18.04	0.09
716+97.12	304.02	655.00	642.81	637.37	636.71	635.11	636.04	18.96	0.66
716+96.89	303.67	655.00	642.81	636.98	636.57	635.20	635.90	19.10	0.41
716+93.07	297.82	655.00	642.77	638.77	637.92	636.97	637.25	17.75	0.84
716+86.20	287.30	655.00	642.70	639.89	639.35	638.60	638.69	16.31	0.54
716+67.37	258.48	655.00	642.52	642.55	641.85	642.67	641.19	13.81	0.70
716+51.02	233.45	654.70	642.36	644.17	644.00	644.19	643.34	11.37	0.17
716+50.00	231.89	654.68	642.35	644.23	644.05	644.25	643.38	11.30	0.18
716+38.63	214.49	654.48	642.25	644.67	644.38	644.68	643.71	10.77	0.29
716+13.67	176.29	654.02	642.00	645.34	645.07	645.34	644.41	9.62	0.27
716+10.13	173.41	653.97	641.97	645.43	645.19	645.43	644.52	9.45	0.25
716+00.00	165.20	653.83	641.87	645.77	645.62	645.77	644.96	8.88	0.14
715+59.47	132.35	653.28	641.47	647.47	647.36	647.47	646.69	6.59	0.11
715+50.00	124.67	653.16	641.38	647.32	647.28	647.32	646.61	6.55	0.04
715+49.10	123.94	653.14	641.38	647.27	647.27	647.27	646.60	6.54	0.00
715+38.55	114.14	653.00	641.28	646.71	646.95	646.71	646.04	6.96	0.24
715+27.88	103.51	653.00	641.17	646.14	646.38	646.14	645.47	7.53	0.24
715+13.51	96.25	653.00	641.03	646.06	646.55	646.06	645.40	7.60	0.48
715+09.37	94.34	653.00	640.99	646.09	646.53	646.09	645.42	7.58	0.44
715+00.00	90.29	653.00	640.90	646.27	646.48	646.27	645.61	7.39	0.20
714+91.82	87.07	653.00	640.82	646.43	646.43	646.43	645.77	7.23	0.00
714+90.27	86.49	653.00	640.80	646.46	646.42	646.46	645.76	7.24	0.04
714+89.87	86.34	653.00	640.80	646.47	646.47	646.47	645.80	7.20	0.00
714+82.52	83.74	653.00	640.73	646.49	647.34	646.49	645.82	7.18	0.85
714+68.39	79.33	653.00	640.59	646.28	647.14	646.28	645.62	7.38	0.86
714+67.02	78.95	653.00	640.58	646.27	647.13	646.27	645.61	7.39	0.85
714+61.59	77.49	653.00	640.53	645.54	647.09	646.24	644.87	8.13	1.55
714+50.00	74.74	653.00	640.41	643.97	647.01	646.16	643.30	9.70	3.04
714+38.30	72.46	653.00	640.30	642.39	646.94	646.09	641.72	11.28	4.55
714+27.32	68.72	653.00	640.19	640.92	646.77	645.92	640.25	12.75	5.85
714+00.00	61.42	653.00	639.93	640.51	646.36	645.51	639.84	13.16	5.85
713+93.38	60.06	653.00	639.86	640.41	646.26	645.41	639.75	13.25	5.85
713+83.09	58.23	653.00	639.77	640.40	645.02	645.40	639.73	13.27	4.63
713+78.95	57.60	653.00	639.73	640.27	644.85	645.29	639.60	13.40	4.58
713+76.40	57.24	653.03	639.70	640.19	644.74	645.19	639.52	13.51	4.56
713+50.00	54.77	653.34	639.44	639.08	643.62	644.08	638.42	14.92	4.54
713+42.46	54.49	653.43	639.37	638.77	643.30	643.77	638.10	15.33	4.53
713+25.20	54.53	653.63	639.20	639.61	642.57	643.05	638.94	14.69	2.96
713+04.55	55.85	653.88	639.01	640.33	641.74	641.89	639.66	14.22	1.42
713+00.00	56.32	653.93	638.96	640.59	641.60	641.74	639.92	14.01	1.01
712+94.08	57.05	654.00	638.90	640.96	641.60	641.58	640.30	13.70	0.64
712+93.05	57.19	654.00	638.89	641.03	641.60	641.56	640.36	13.64	0.57
712+87.20	56.63	654.00	638.83	641.41	641.43	641.40	640.74	13.26	0.03
712+82.87	56.29	654.00	638.80	641.31	641.31	641.31	640.64	13.36	0.00
712+74.24	55.79	654.00	638.71	641.06	640.97	641.06	640.30	13.70	0.10
712+57.00	55.53	654.00	638.54	640.47	640.24	640.47	639.58	14.42	0.23

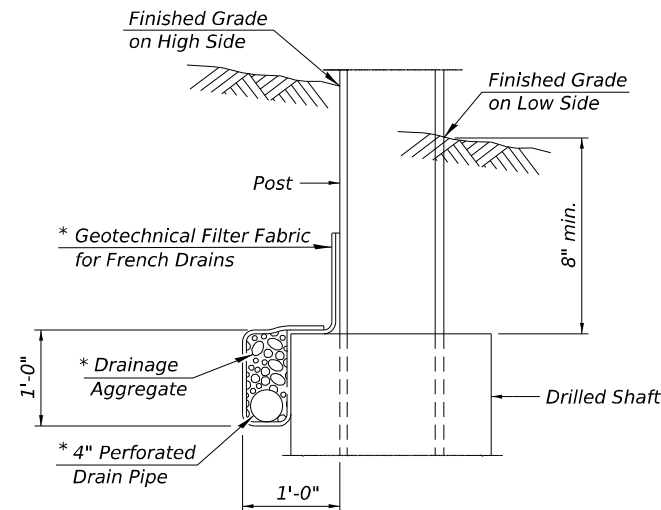
NOTE:

- Theoretical Top of NAW Elev., Theoretical Bottom of NAW Elev., Finished Grade Elev. at Front Face of NAW, and Finished Grade Elev. at Back Face of NAW shall be taken as straight lines in the segments between each pair of stations shown in the NAW Data Table.

NOISE ABATEMENT WALL DATA TABLE

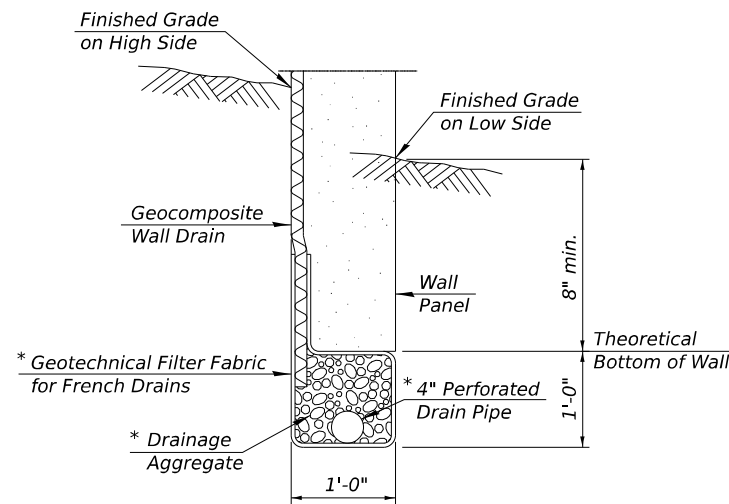
Segment 2 SN 099-N1019

Post	Station	Offset (Rt.) to Centerline of Post (ft)	Theoretical Top of NAW Elev.	I-80 Larkin Ramp C Profile Elev.	Top of Parapet Elev.	Existing Grade Elev. At Front Face of NAW	Theoretical Bottom of NAW Elev.	Theoretical Wall Height (ft)
P17-01	713+44.40	32.78	654.00	639.39	646.71	641.73	646.21	7.79
P17-02	713+33.71	32.78	654.00	639.29	646.60	641.55	646.10	7.90
P17-03	713+24.30	32.77	654.00	639.19	646.51	641.34	646.01	7.99
P17-04	713+13.62	32.77	654.00	639.10	646.41	641.04	645.91	8.09
P17-05	713+02.93	32.77	654.00	638.99	646.31	641.05	645.81	8.19
P17-06	712+92.25	32.77	654.00	638.88	646.15	640.97	645.65	8.35
P17-07	712+81.56	32.77	654.00	638.78	645.94	640.66	645.44	8.56
P17-08	712+70.88	32.77	654.00	638.68	645.72	640.36	645.22	8.78
P17-09	712+60.19	32.77	654.00	638.57	645.51	640.05	645.01	8.99
P17-10	712+49.51	32.77	654.00	638.47	645.30	639.75	644.80	9.20
P17-11	712+41.27	32.77	654.00	638.39	645.13	639.50	644.63	9.37
P17-12	712+30.58	32.77	654.00	638.28	644.93	639.19	644.43	9.57
P17-13	712+19.79	32.39	654.00	638.23	644.84	639.02	644.34	9.66
P17-14	712+13.20	31.04	653.94	638.12	644.59	638.62	644.09	9.85
P17-15	712+06.24	30.23	653.87	638.05	644.44	638.37	643.94	9.93
P17-16	711+94.66	28.88	653.75	637.94	644.21	637.92	643.71	10.04
P17-17	711+83.07	27.53	653.63	637.83	643.99	637.56	643.49	10.15
P17-18	711+75.40	26.64	653.56	637.75	643.85	637.40	643.35	10.21
P17-19	711+65.33	25.47	653.46	637.65	643.67	637.20	643.17	10.28
P17-20	711+53.74	24.12	653.34	637.54	643.48	636.94	642.98	10.36
P17-21	711+42.15	22.77	653.22	637.43	643.29	636.70	642.79	10.43
P17-22	711+32.41	21.64	653.12	637.33	643.15	636.52	642.65	10.48
P17-23	711+20.82	20.29	653.01	637.22	642.99	636.31	642.49	10.52
P17-24	711+09.23	18.94	652.89	637.11	642.83	636.11	642.33	10.56
P17-25	710+97.64	17.60	652.77	637.00	642.69	635.92	642.19	10.59
P17-26	710+86.05	16.25	652.66	636.88	642.56	635.78	642.06	10.60
P17-27	710+77.12	15.21	652.57	636.80	642.46	635.73	641.96	10.61
P17-28	710+68.18	14.17	652.48	636.72	642.38	635.71	641.88	10.60
P17-29	710+56.59	12.82	652.36	636.63	642.30	635.68	641.80	10.56
P17-30	710+45.00	11.47	652.24	636.54	642.23	635.65	641.73	10.52
P17-31	710+33.41	10.13	652.13	636.46	642.18	635.62	641.68	10.45
P17-32	710+26.55	9.33	652.06	636.42	642.11	635.61	641.61	10.45
P17-33	710+14.78	8.81	651.94	636.35	642.11	635.58	641.61	10.33
P17-34	710+02.90	8.78	651.83	636.29	642.03	635.62	641.53	10.29
P17-35	709+93.11	8.78	651.73	636.25	641.97	635.84	641.47	10.26
P17-36	709+81.23	8.78	651.61	636.21	641.90	635.67	641.40	10.21
P17-37	709+69.35	8.78	651.50	636.18	641.84	635.18	641.34	10.15
P17-38	709+57.47	8.78	651.38	636.15	641.79	634.65	641.29	10.09
P17-39	709+45.59	8.78	651.26	636.13	641.78	634.15	641.28	9.99
P17-40	709+33.71	8.78	651.15	636.13	641.77	633.67	641.27	9.88
P17-41	709+26.58	8.78	651.08	636.13	641.77	633.56	641.27	9.80
P17-42	709+19.46	8.78	651.00	636.13	641.77	633.49	641.27	9.73
P17-43	709+07.58	8.78	651.00	636.14	641.79	633.29	641.29	9.71
P17-44	708+95.70	8.78	651.00	636.16	641.81	633.42	641.31	9.69
P17-45	708+83.82	8.78	651.00	636.20	641.84	633.67	641.34	9.66
P17-46	708+71.94	8.78	651.00	636.23	641.87	633.83	641.37	9.63
P17-47	708+60.06	8.78	651.00	636.28	641.92	633.88	641.42	9.58
P17-48	708+48.18	8.78	651.00	636.34	641.98	633.92	641.48	9.52
P17-49	708+36.30	8.78	651.00	636.40	642.04	633.91	641.54	9.46
P17-50	708+27.13	8.78	651.00	636.46	642.10	633.86	641.60	9.40
P17-51	708+18.00	8.78	651.00	636.51	642.15	633.80	641.65	9.35
P17-52	708+08.87	8.78						



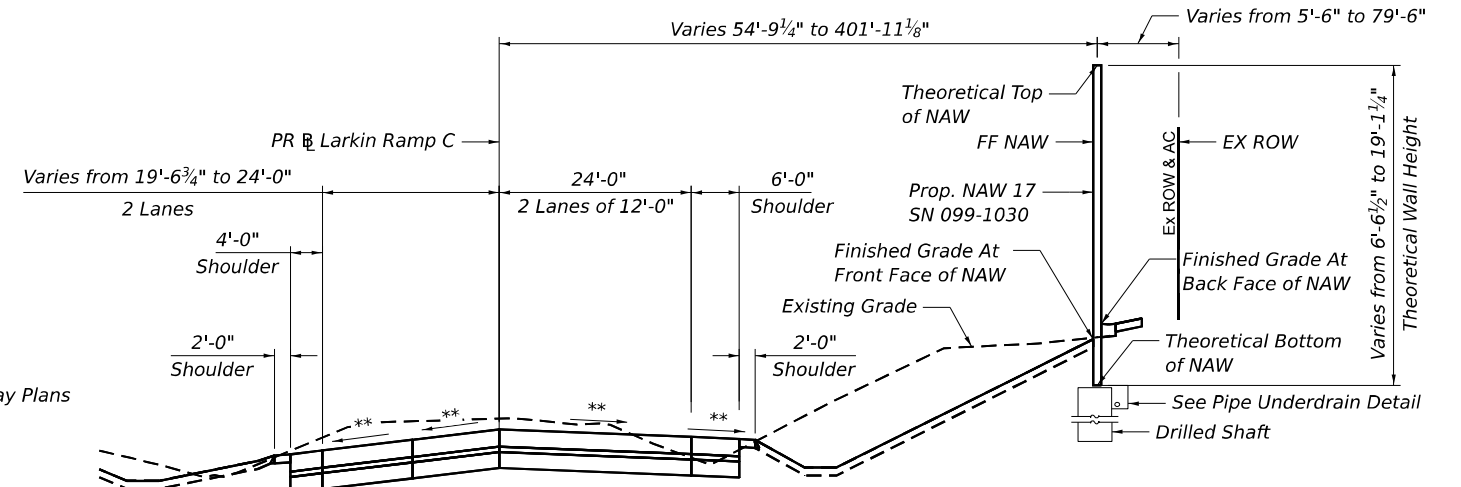
**PIPE UNDERDRAIN DETAIL
AT DRILLED SHAFTS**

* Included in the cost of Pipe Underdrains for Structures 4"



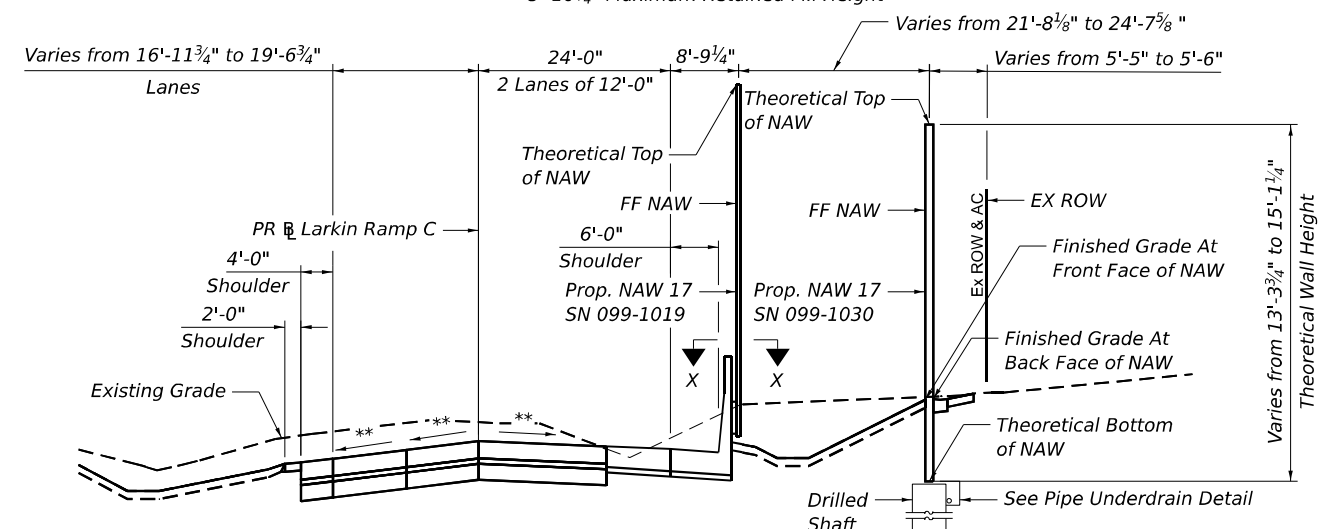
**PIPE UNDERDRAIN DETAIL
BETWEEN DRILLED SHAFTS**

**Varies - See Roadway Plans



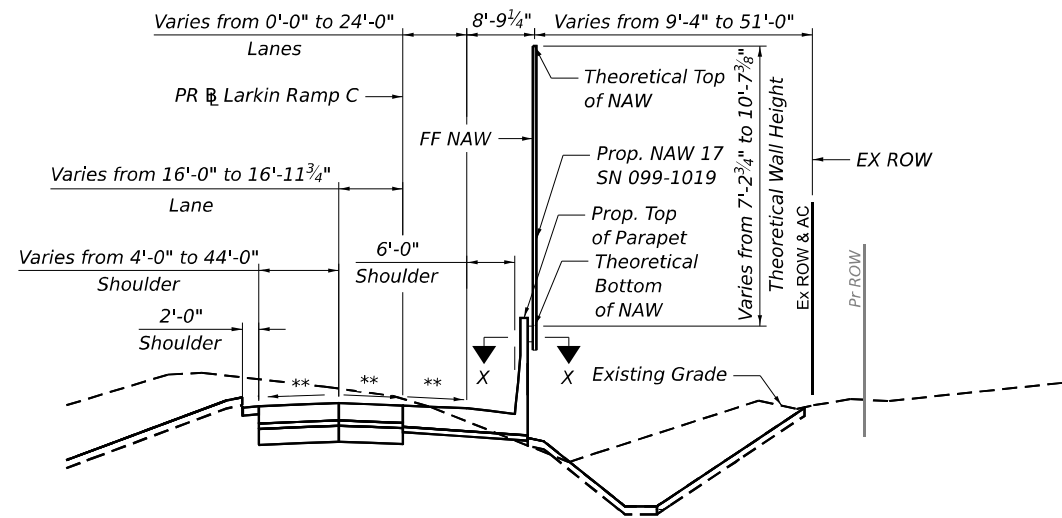
TYPICAL SECTION THRU WALL

(Looking Upstation)
Sta. 716+96.85 to Sta. 713+44.40
5'-10 1/4" Maximum Retained Fill Height



TYPICAL SECTION THRU WALL

(Looking Upstation)
Sta. 713+44.40 to Sta. 712+57.00
4'-0" Maximum Retained Fill Height



TYPICAL SECTION THRU WALL

(Looking Upstation)
Sta. 712+57.00 to Sta. 706+13.10

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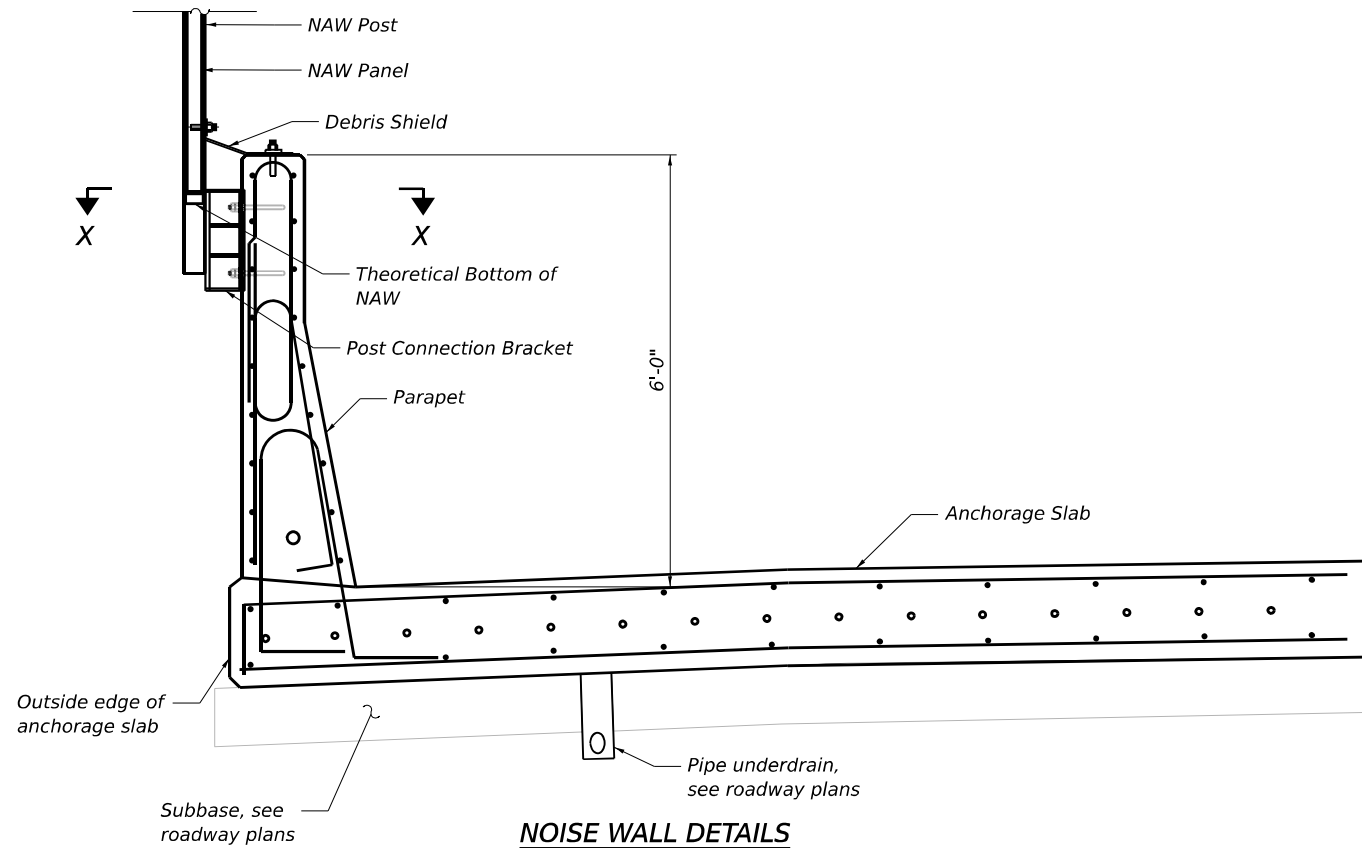
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PLOT SCALE =	DRAWN - ADS, AMI	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

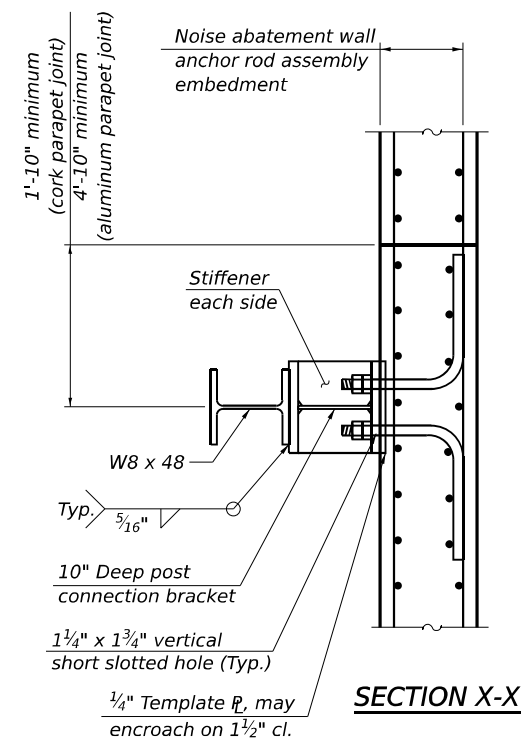
**TYPICAL SECTIONS AND DETAILS 1
NOISE ABATEMENT WALL 17 - SNS 099-N1019 & 099-N1030**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	327
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

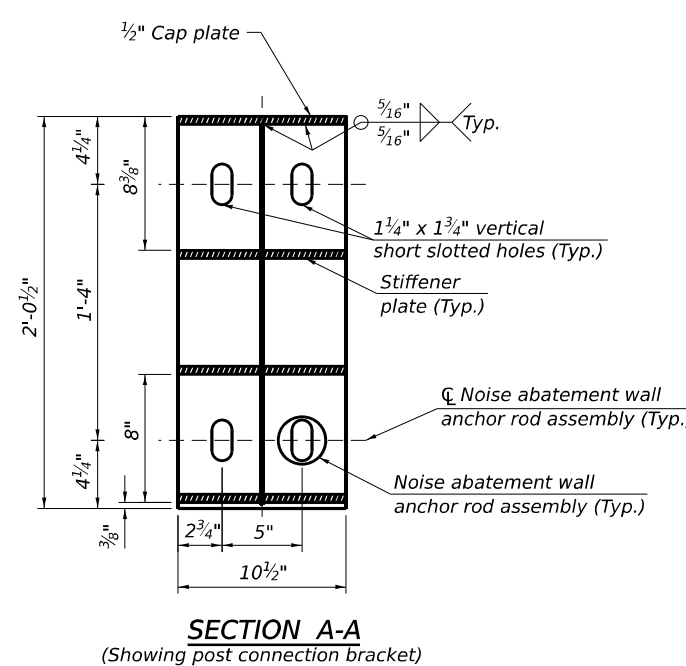
SCALE: SHEET S4-5 OF S4-10 SHEETS STA. TO STA.



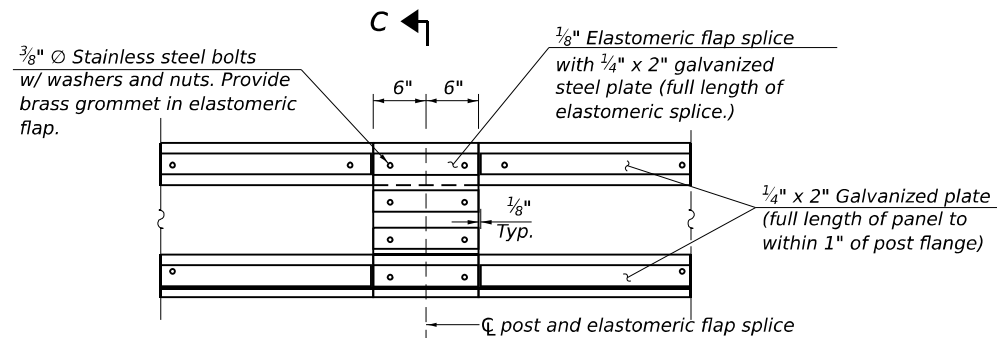
NOISE WALL DETAILS



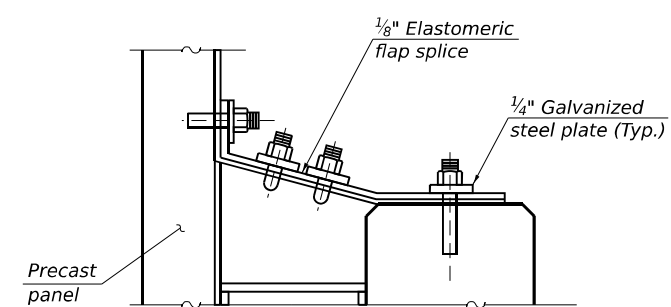
SECTION X-X



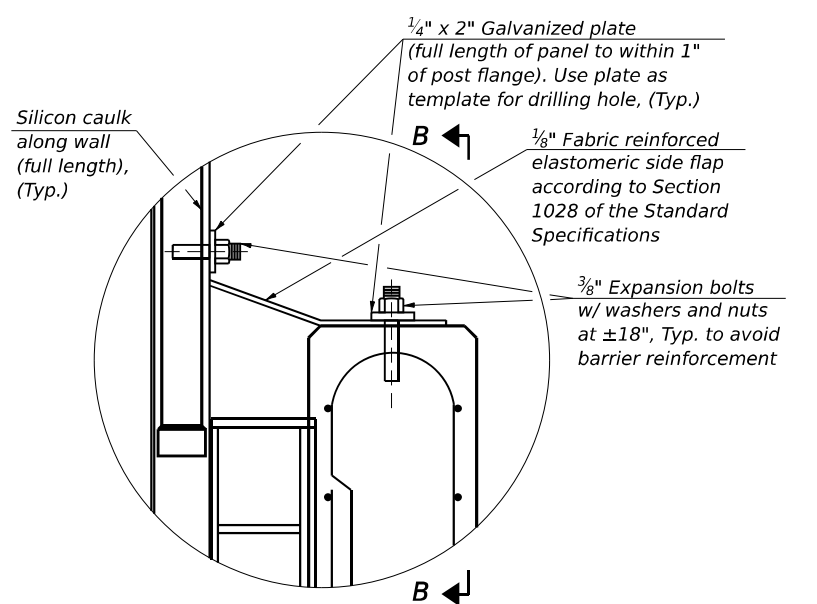
SECTION A-A
(Showing post connection bracket)



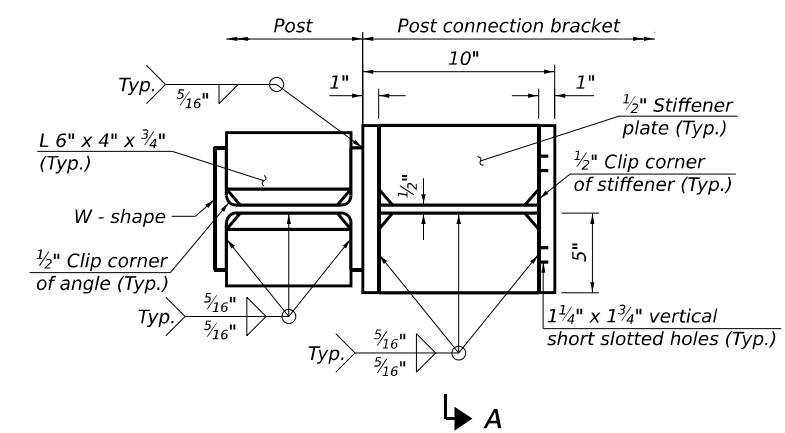
SECTION B-B



SECTION C-C



TYPICAL SECTION THRU DEBRIS SHIELD



SECTION THRU POST AND POST CONNECTION BRACKET
(Template R not shown for clarity)

NOTE:
1. Anchorage Slab, Template Plate, and anchor rod details are paid with Anchorage Slab and shown here for information only. See Anchorage Slab plans for full details.

MODEL: BL_00_Plan 3 (Sheet)
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USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED
PLOT SCALE =	DRAWN - ADS, AMI	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

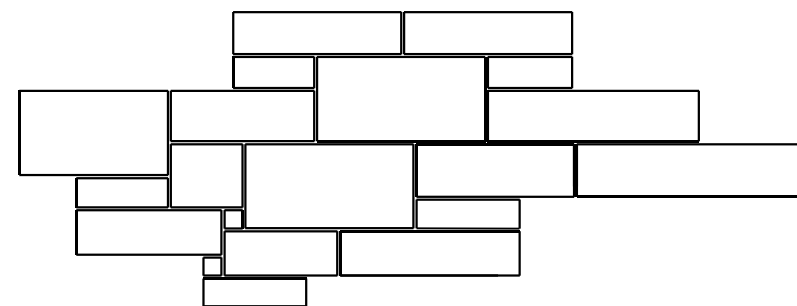
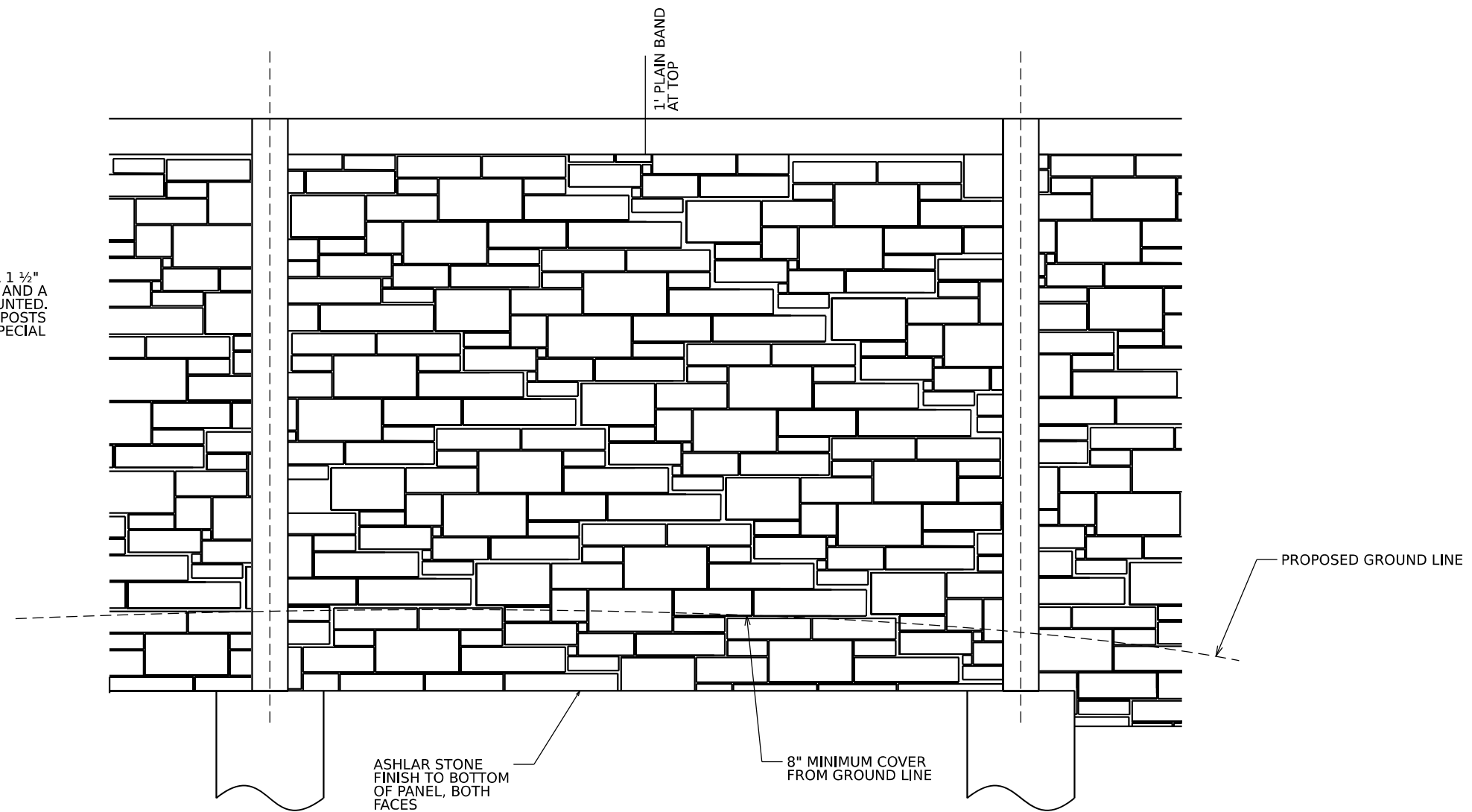
**TYPICAL SECTIONS AND DETAILS 2
NOISE ABATEMENT WALL 17 - SNS 099-N1019 & 099-N1030**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	328
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

SCALE: SHEET S4-6 OF S4-10 SHEETS STA. TO STA.

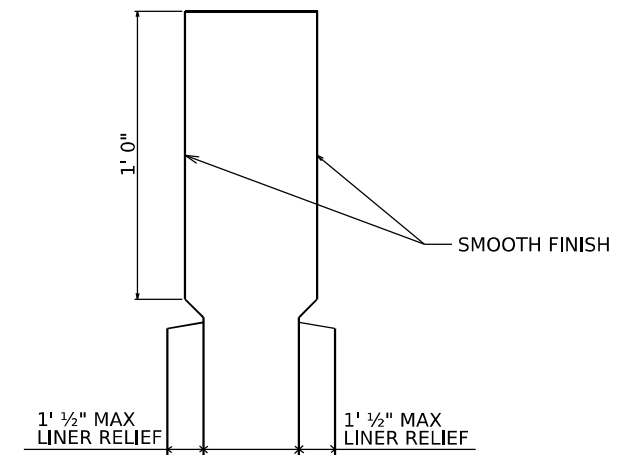
NOTES:

1. EACH SIDE OF THE NOISE WALL PANELS SHALL HAVE A ROLLED ASHLAR STONE FINISH. THE FINISH SHALL HAVE A 1 1/2" RELIEF FOR NOISE ABATEMENT WALL, GROUND MOUNTED AND A 3/4" RELIEF FOR NOISE ABATEMENT WALL, STRUCTURE MOUNTED. THE COLOR OF BOTH SIDES OF THE PANELS, PLAIN BAND, POSTS AND ALL OTHER VISIBLE ELEMENTS SHALL FOLLOW THE SPECIAL PROVISIONS.



STONE PATTERN SIZES:
3" x 3" - 14" x 28"

ENLARGED PATTERN DETAIL



ENLARGED CAP DETAIL

MODEL: NOISE WALLS DETAILS MAIN17
FILE NAME: p:\projects\23-Structural\Noise Walls\Noise Walls Details.dgn

TRANSYSTEMS

USER NAME = vjanachione	DESIGNED - VLJ	REVISED
PLOT SCALE =	DRAWN - DIO	REVISED -
PLOT DATE = 6/4/2024	CHECKED - JMG	REVISED -
	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ASHLAR STONE FINISH
NOISE ABATEMENT WALL 17 - SN 099-N1019 & 099-N1030**

SCALE: NONE SHEET S4-7 OF 54-10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	329
			CONTRACT NO. 62R25	
ILLINOIS FED. AID PROJECT				



BORING LOG NAW17-01

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Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

WEI Job No.: 7901-15-01

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 639.91 ft
North: 1765542.22 ft
East: 1041522.41 ft
Station: 717+15.85
Offset: 374.185 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	639.2	9-inch thick CONCRETE --PAVEMENT--															
		Medium dense, tan SANDY GRAVEL; damp --AGGREGATE BASE--	1	X	1	12 9 12	NP	5									
	636.9	Brown SILT; saturated															
	636.3	Stiff to very stiff, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 2--	2	X	2	4 2 4	1.39 B	20									
			5	X	3	10 12 13	NR										
			10	X	4	6 8 10	3.12 B	14									
			15	X	5	5 5 7	2.87 B	16									
			20	X	6	5 7 10	3.03 B	16									
	624.9	Boring terminated at 15.00 ft															

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-14-2023	Complete Drilling	02-14-2023	While Drilling	▽	3.00 ft	
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	▽	DRY	
Driller	KS&AP	Logger	N. Karahalios	Time After Drilling		NA	
Checked by	J. Bensen	Drilling Method	2.25" IDA HSA; boring backfilled upon completion	Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							



BORING LOG NAW17-02

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WEI Job No.: 7901-15-01

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 640.67 ft
North: 1765484.02 ft
East: 1041594.76 ft
Station: 716+45.87
Offset: 313.141 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	640.67	1-inch thick ASPHALT --PAVEMENT--															
		Very stiff, brown and gray SILTY CLAY, trace gravel; damp --FILL-- --RDR 2--	1	X	1	2 4 5	3.28 S	24									
			5	X	2	5 7 5	2.46 B	20									
			10	X	3	7 5 6	2.46 B	22									
			15	X	4	7 5 8	2.21 B	19									
	630.2	Very stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 2--	5	X	5	13 5 4	7.38 B	16									
			15	X	6	6 5 8	3.69 B	14									
			20	X	7	6 7 8	4.43 B	17									
			20	X	8	4 6 6	3.44 B	16									
	620.7	Boring terminated at 20.00 ft															

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-02-2023	Complete Drilling	03-02-2023	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	20B57T [91%]	At Completion of Drilling	▽	DRY	
Driller	KG&TC	Logger	M. Rojo	Time After Drilling		NA	
Checked by	J. Bensen	Drilling Method	2.25" IDA HSA; boring backfilled upon completion	Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

MODEL: BL_P0_00 - Plan 3 (Sheet)
FILE NAME: P:\Projects\2023\2023-02-27\TranSystems\DWG\2023-02-27\Structural\Noise\Walls\0162R25-SHT-NAW17-STRUCT-7.dwg



USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED
PLOT SCALE =	DRAWN - CJS	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 1
NOISE ABATEMENT WALL 17 - SNS 099-N1019 & 099-N1030

SCALE: SHEET S4-8 OF S4-10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	330
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



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BORING LOG NAW17-03

WEI Job No.: 7901-15-01

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 637.55 ft
North: 1765259.99 ft
East: 1041667.16 ft
Station: 715+82.46
Offset: 86.405 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
637.33	3-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Hard, brown SILTY CLAY, trace gravel; damp	0-10		1	8 7 10	4.18 S	18	634.5	--FILL-- --RDR 2-- Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--	10-15		2	4 6 10	6.40 B	18
				3	5 9 12	7.71 B	19					4	4 6 10	7.54 B	19
				5	6 8 11	3.69 B	19					6	3 9 12	6.31 B	20
622.5	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-14-2023** Complete Drilling **02-14-2023**
Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **0.00 ft**
At Completion of Drilling **DRY**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

BORING LOG NAW17-04

WEI Job No.: 7901-15-01

Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 638.51 ft
North: 1765198.78 ft
East: 1041787.85 ft
Station: 714+69.68
Offset: 28.683 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
639.24	24-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Very stiff, brown SILTY CLAY, trace gravel; moist	0-5		1	5 4 5	2.21 B	19	635.5	--FILL-- --RDR 2-- Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--	5-10		2	4 7 10	4.35 B	17
				3	7 8 10	4.10 S	17					4	6 7 10	5.08 B	16
				5	7 7 10	2.87 B	19					6	7 7 10	3.36 B	17
623.5	Boring terminated at 15.00 ft														

GENERAL NOTES

Begin Drilling **02-14-2023** Complete Drilling **02-14-2023**
Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **0.00 ft**
At Completion of Drilling **DRY**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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USER NAME = vjanachione	DESIGNED - AMI, LAB	REVISED -
PLOT SCALE =	DRAWN - CJS	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS 2
NOISE ABATEMENT WALL 17 - SNS 099-N1019 & 099-N1030**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	331
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET S4-9 OF S4-10 SHEETS STA. TO STA.



BORING LOG NAW17-05

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1145 N. Main Street
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Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 638.92 ft
North: 1765142.53 ft
East: 1041902.89 ft
Station: 713+49.03
Offset: 13.403 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
638.73	73-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Very stiff to hard, brown to gray SILTY CLAY, trace gravel; damp --RDR 2--	0		1	4 5 5	3.20 B	18								
		5		2	4 7 9	4.92 S	18								
		10		3	6 9 17	7.38 B	18								
		15		4	7 10 14	7.13 B	17								
		20		5	5 8 11	6.31 B	17								
		25		6	5 7 18	3.94 B	17								
623.9	Boring terminated at 15.00 ft	15													

GENERAL NOTES

Begin Drilling **02-13-2023** Complete Drilling **02-13-2023**
Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
At Completion of Drilling **DRY**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG NAW17-06

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Client **TranSystems Corporation**
Project **I-80 Reconstruction (Houbolt Rd to Center St)**
Location **Will County, Illinois**

Datum: NAVD 88
Elevation: 639.73 ft
North: 1765075.44 ft
East: 1041979.61 ft
Station: 712+49.75
Offset: 5.937 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
639.53	53-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Medium stiff, brown SILTY CLAY, trace gravel; damp to moist --FILL--	0		1	5 4 5	0.57 B	17								
		5		2	6 7 8	4.23 B	17								
636.7	Hard, brown and gray SILTY CLAY, trace gravel; damp --RDR 2--	5		3	6 7 11	4.67 S	16								
		10		4	6 10 13	8.86 B	17								
		15		5	7 10 13	9.43 B	17								
		20		6	3 5 9	4.18 B	20								
624.7	Boring terminated at 15.00 ft	15													

GENERAL NOTES

Begin Drilling **02-13-2023** Complete Drilling **02-13-2023**
Drilling Contractor **Wang Testing Services** Drill Rig **21D50A [84%]**
Driller **KS&AP** Logger **N. Karahalios** Checked by **J. Bensen**
Drilling Method **2.25" IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
At Completion of Drilling **DRY**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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PLOT DATE = 6/4/2024	CHECKED - MI, LAB	REVISED -
	DATE - 6/4/24	REVISED -

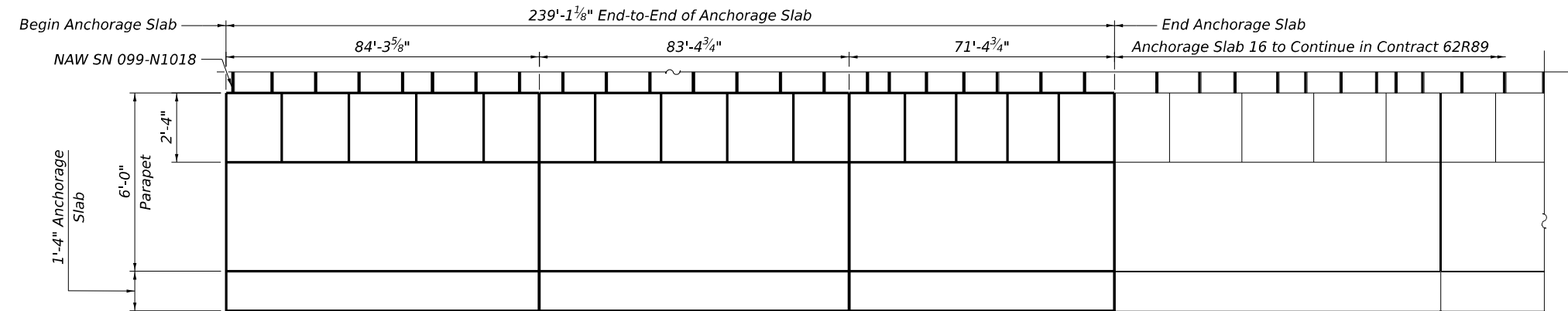
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 3
NOISE ABATEMENT WALL 17 - SNS 099-N1019 & 099-N1030

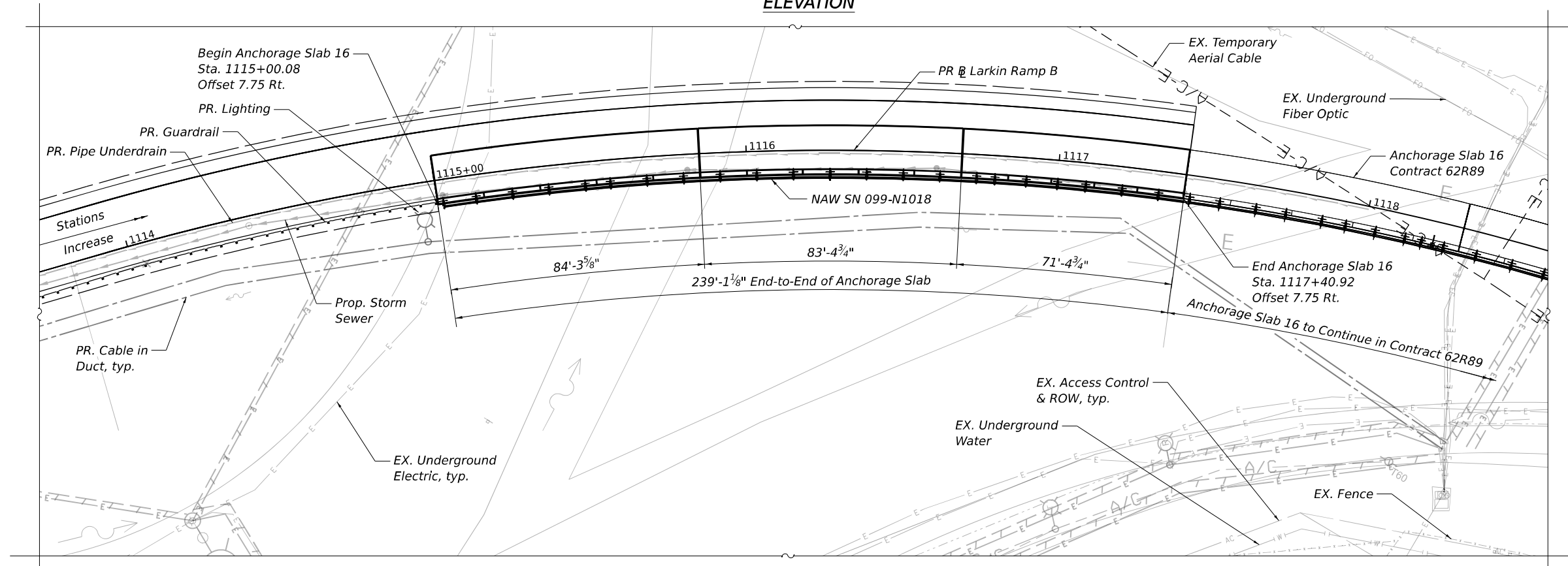
SCALE: SHEET S4-10 OF S4-10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	332
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

Benchmark: Set cut square on northwesterly corner of pier seat of most southerly Larkin Avenue bridge Pier on south side of eastbound I-80 at Station 588+57.65. Offset 83.72' RT, Elev. 634.804. See Alignment, Tie and Benchmark Sheets.



ELEVATION



PLAN

ABBREVIATIONS

Exp.	Expansion	F.F.	Front Face
Jt.	Joint	B.F.	Back Face
PGL	Profile Grade Line	E.E.	Each End
Lt.	Left	Prop.	Proposed
Rt.	Right	PR.	Proposed
Spa.	Space	Exist.	Existing
Sta.	Station	EX.	Existing
Elev.	Elevation	Temp.	Temporary
Typ.	Typical	ROW	Right of Way
PJF	Preformed Joint Filler	EOP	Edge of Pavement
		NAW	Noise Abatement Wall

NOTES:

1. For General Notes, Index of Sheets, Legend and Total Bill of Material, see Sheet S5-2.
2. Stations and offsets are measured along PR. Larkin Ramp B to outside edge of anchorage slab.
3. For details of NAW SN 099-N1018, see plans in this contract.
4. For proposed utilities, see ITS, lighting, drainage and SUE plans.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

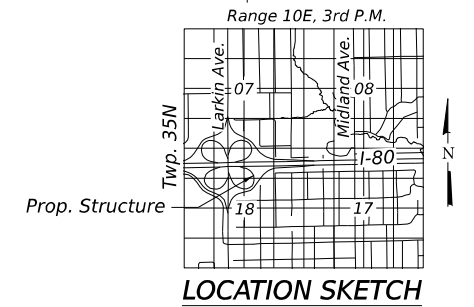
FIELD UNITS
 $f_c = 4,000$ psi (Superstructure)
 $f_y = 60,000$ psi (Reinforcement)

DESIGN LOADS

Overturning and Sliding (Static)
 106k
 Strength (Dynamic)
 260k



Signed Moussa A. Issa
 Dr. Moussa A. Issa, S.E. IL. LIC. No. 081-005738
 Expires 11-30-2024
 Date 05/20/2024 For Sheets S5-1 thru S5-7



GENERAL PLAN AND ELEVATION ANCHORAGE SLAB ALONG LARKIN RAMP B F.A.I. RTE. I-80 SEC. F.A.I. 80 21 STRUCTURE 4 WILL COUNTY STA. 1115+00.08 TO STA. 1117+40.92 (ANCHORAGE SLAB 16)



USER NAME = vjanachione	DESIGNED - LAB	REVISED
PLOT SCALE =	DRAWN - LAB, CJS	REVISED -
PLOT DATE = 6/4/2024	CHECKED - MI	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB 16 GENERAL PLAN AND ELEVATION
 SCALE: SHEET S5-1 OF S5-7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	333
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

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GENERAL NOTES

- All exposed concrete edges shall have 3/4"x45° chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.
- Reinforcement bars designated "(E)" shall be epoxy coated.
- 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.
- No construction joint except those on the plans shall be allowed unless approved by the engineer.
- It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
- The contractor shall field verify location of the existing utilities prior to construction. The contractor shall take precautions not to damage existing utilities. Any damage shall be repaired by the Contractor at no additional cost.

INDEX OF SHEETS

- S5-1 General Plan and Elevation
- S5-2 General Notes, Index of Sheets, and Total Bill of Material
- S5-3 Anchorage Slab Plan and Elevation 1
- S5-4 Anchorage Slab Plan and Elevation 2
- S5-5 Anchorage Slab Plan and Elevation 3
- S5-6 Anchorage Slab Sections and Details
- S5-7 Noise Abatement Wall Connection Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Superstructure	Cu Yd	247.3
Protective Coat	Sq Yd	560
Reinforcement Bars, Epoxy Coated	Pound	52,140
Noise Abatement Wall Anchor Rod Assembly	Each	22

UTILITY CROSSING

UTILITY	STATION*	OFFSET* (LT)	ELEV.	COMMENTS
Exist. Underground Electric	1115+10.96	6.00'	-	-
Prop. Pipe Underdrain	1115+02.00 to 1117+42.85	1.00'	-	Below Anchorage Slab. Station and offsets are measured along the utility.
Prop. 36" Storm Sewer	1115+02.00 to 1117+42.85	5.00' to 6.52'	-	Within 5 feet of Parapet. Station and offsets are measured along the utility.

*Stations and offsets are taken to the Front Face at the toe of the parapet unless otherwise noted

LEGEND

	Exist. Underground Telephone		Prop. Storm Sewer
	Exist. Underground Electric		Prop. Guardrail
	Prop. Underground Electric		Exist. Guardrail
	Prop. Lighting Cable		Exist. Fence
	Exist. Underground Gas		Exist. Access Control & ROW
	Exist. Aerial Line		Exist. Cable Barrier
	Exist. Underground Fiber Optic		Aerial Lighting Cable
	Prop. Underground Fiber Optic		Exist. Lighting
	Exist. Underground Cable		Prop. Lighting
	Exist. Pipe Underdrain		Prop. Drainage
	Prop. Pipe Underdrain		Prop. Concrete Headwall
	Exist. Storm Sewer		Soil Boring

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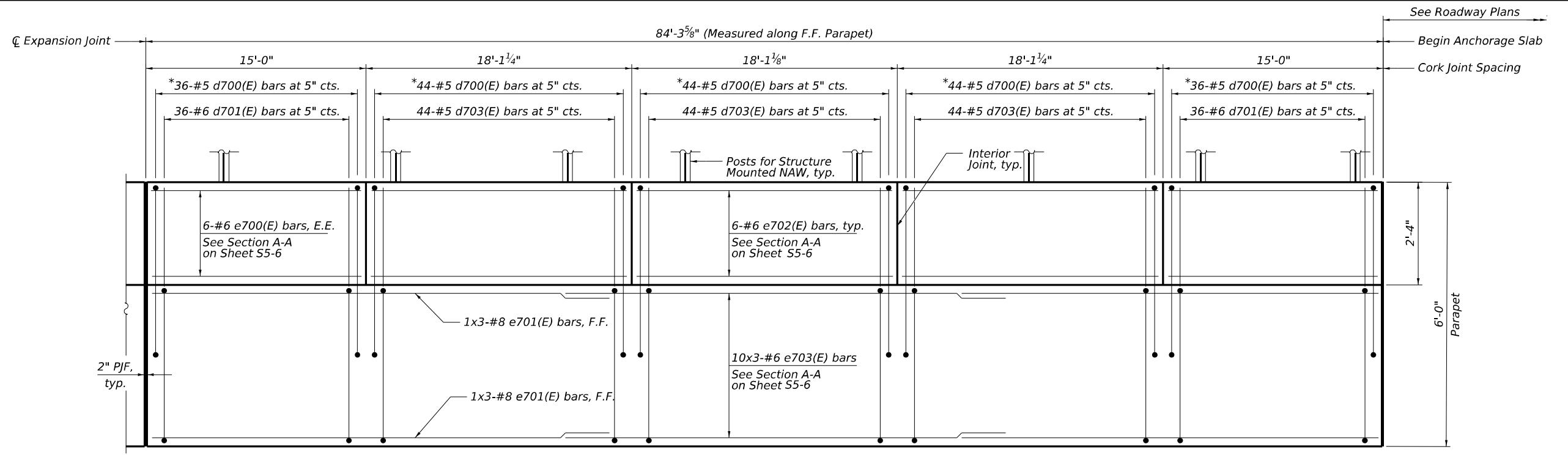
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	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 16
GENERAL NOTES, INDEX OF SHEETS, AND TOTAL BILL OF MATERIAL**

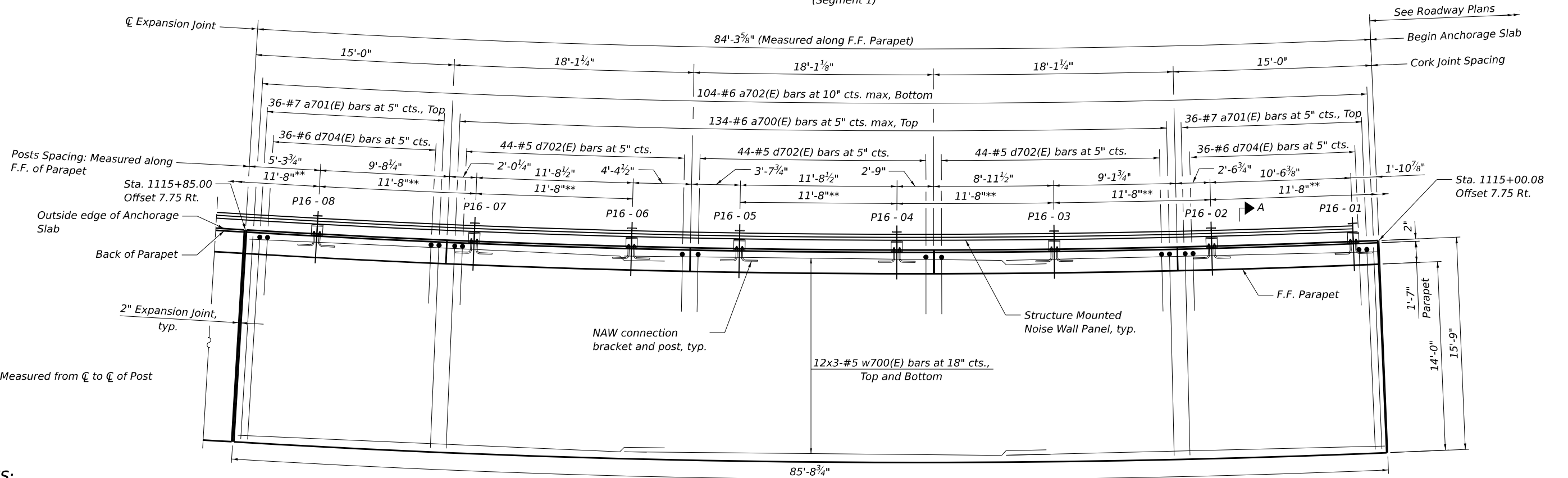
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I-80	FAI 80 21 STRUCTURE 4	WILL	550	334
CONTRACT NO. 62R25				
ILLINOIS			FED. AID PROJECT	



INSIDE ELEVATION OF PARAPET
(Segment 1)

* Tilt d700(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 1)

NOTES:

1. Stations and offsets are measured along PR. \perp Larkin Ramp B to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S5-6.
3. For Noise Abatement Wall connection details, see Sheet S5-7.
4. Cost of 2" P.J.F. is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5 indicates 3 lines of bars with 2 lengths of bars per line.

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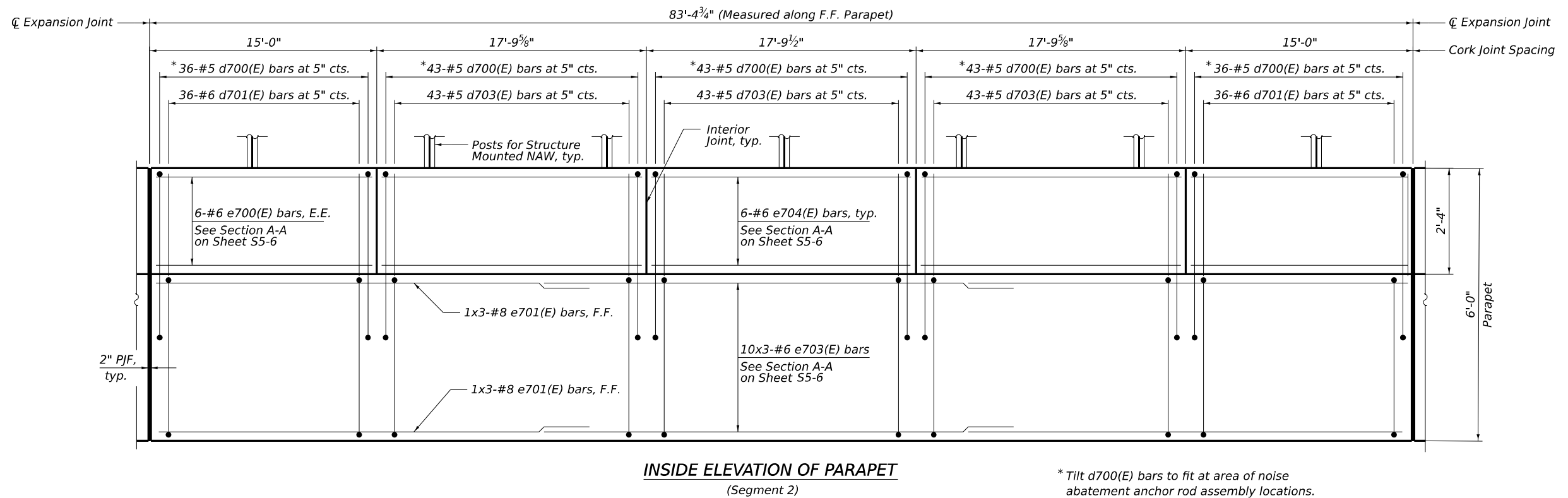
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	DATE - 6/18/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB 16
ANCHORAGE SLAB PLAN AND ELEVATION 1

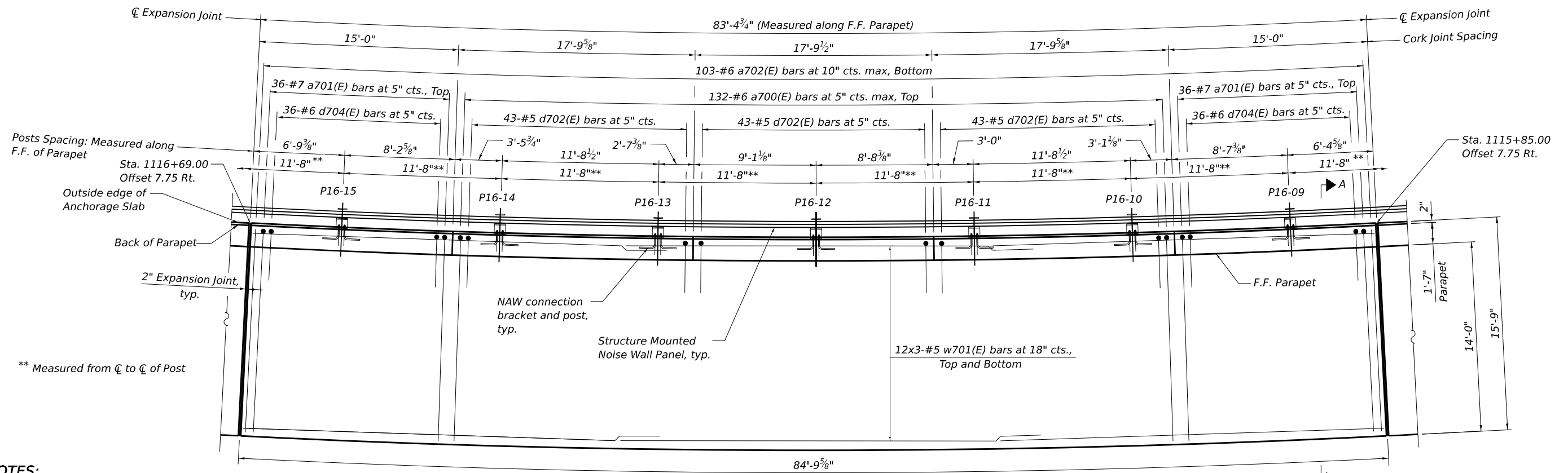
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	335
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



INSIDE ELEVATION OF PARAPET
(Segment 2)

* Tilt d700(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 2)

NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp B to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S5-6.
3. For Noise Abatement Wall connection details, see Sheet S5-7.
4. Cost of 2\" PJF is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5 indicates 3 lines of bars with 2 lengths of bars per line.

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	DRAWN - LAB, CJS	REVISED -
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PLOT DATE = 6/24/2024	DATE - 6/18/24	REVISED -

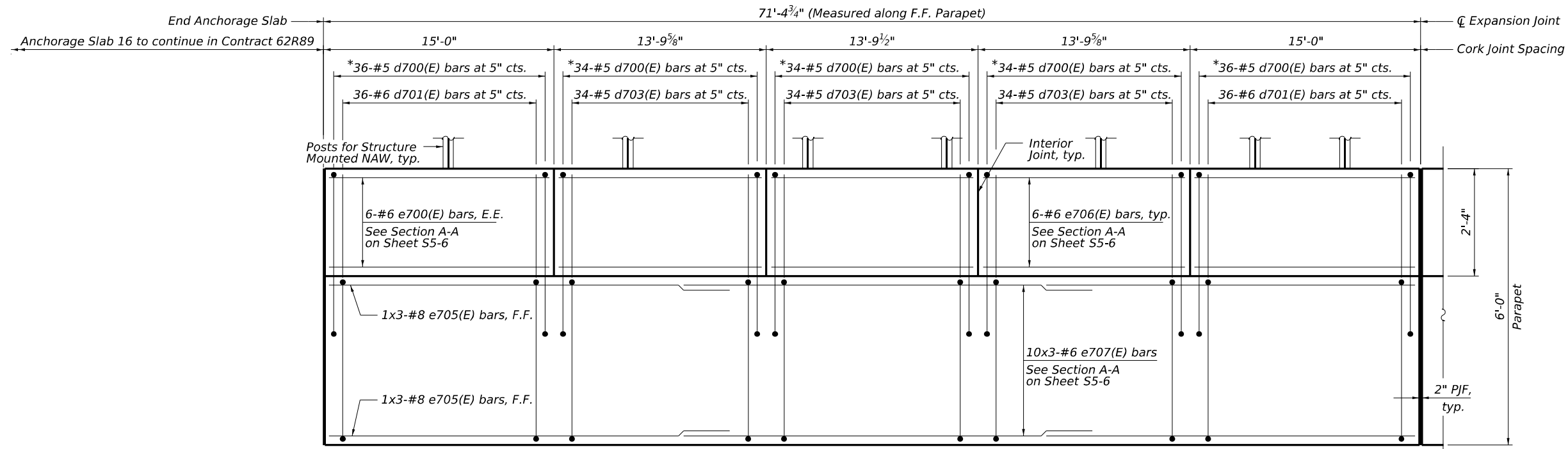
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB 16
ANCHORAGE SLAB PLAN AND ELEVATION 2

SCALE: SHEET S5-4 OF S5-7 SHEETS STA. TO STA.

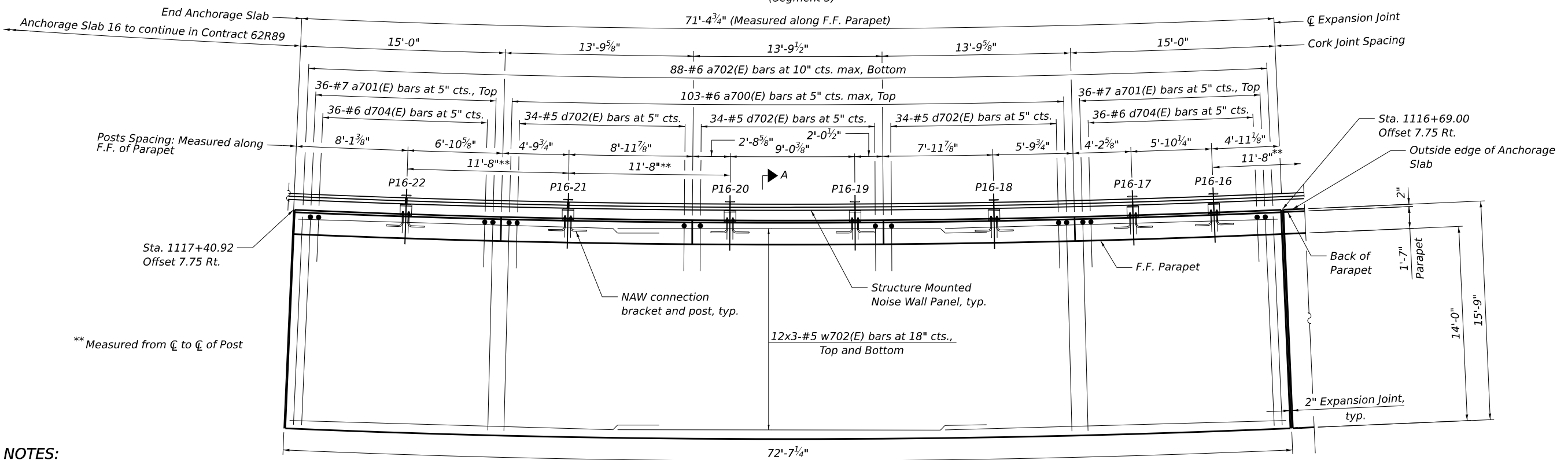
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I-80	FAI 80 21 STRUCTURE 4	WILL	550	336
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

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INSIDE ELEVATION OF PARAPET
(Segment 3)

* Tilt d700(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 3)

NOTES:

1. Stations and offsets are measured along PR. to Larkin Ramp B to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S5-6.
3. For Noise Abatement Wall connection details, see Sheet S5-7.
4. Cost of 2" P.J.F. is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5 indicates 3 lines of bars with 2 lengths of bars per line.



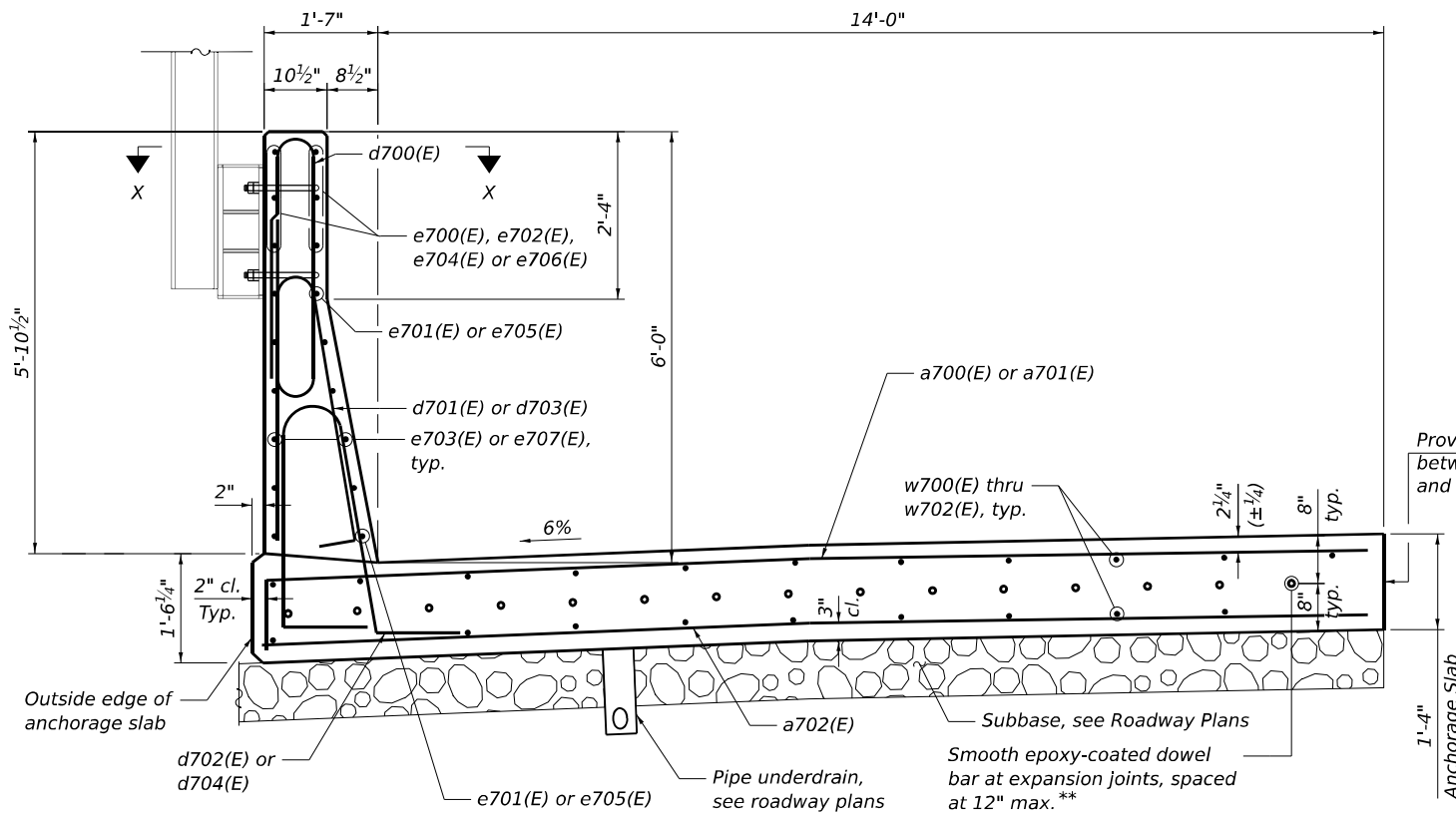
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 16
ANCHORAGE SLAB PLAN AND ELEVATION 3**

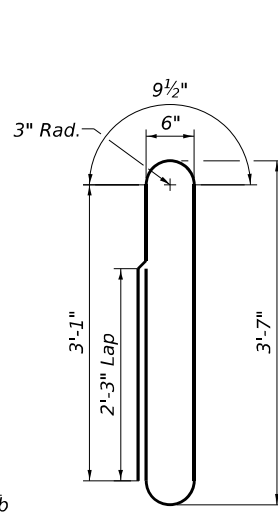
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

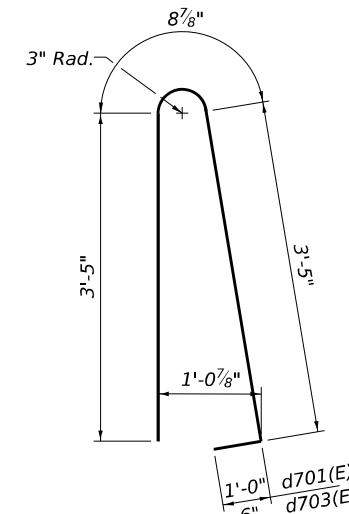


SECTION A-A

(Noise Wall Connection Detail not shown for clarity)



BAR d700(E)

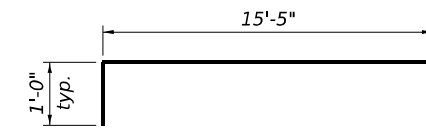


BARS d701(E) and d703(E)

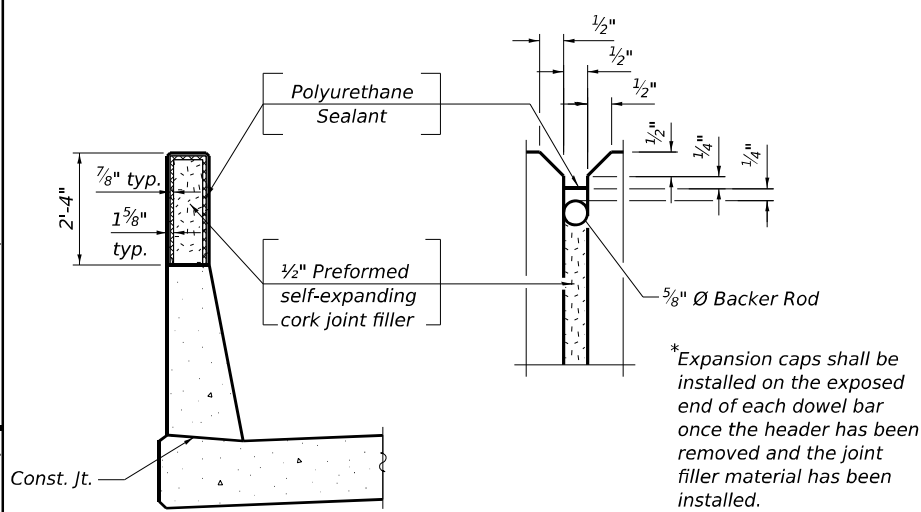
BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
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a701(E)	216	#7	16'-5"	
a702(E)	295	#6	15'-5"	
d700(E)	579	#5	10'-0"	
d701(E)	216	#6	8'-7"	
d702(E)	363	#5	9'-0"	
d703(E)	363	#5	8'-1"	
d704(E)	216	#6	9'-0"	
e700(E)	36	#6	14'-8"	
e701(E)	12	#8	31'-2"	
e702(E)	18	#6	17'-9"	
e703(E)	60	#6	30'-6"	
e704(E)	18	#6	17'-5"	
e705(E)	6	#8	26'-11"	
e706(E)	18	#6	13'-5"	
e707(E)	30	#6	26'-1"	
w700(E)	36	#5	30'-9"	
w701(E)	36	#5	30'-5"	
w702(E)	36	#5	26'-4"	
Concrete Superstructure	Cu Yd		247.3	
Protective Coat	Sq Yd		560	
Reinforcement Bars, Epoxy Coated	Pound		52,140	
Noise Abatement Wall Anchor Rod Assembly	Each		22	

MINIMUM BAR LAPS

- #5 bar = 3'-4"
- #6 bar = 3'-7"
- #8 bar = 4'-9"

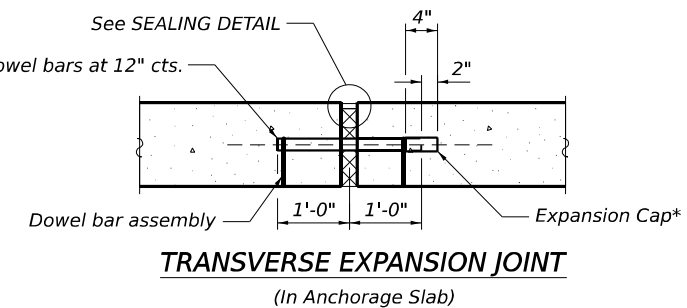


BARS a700(E) and a701(E)



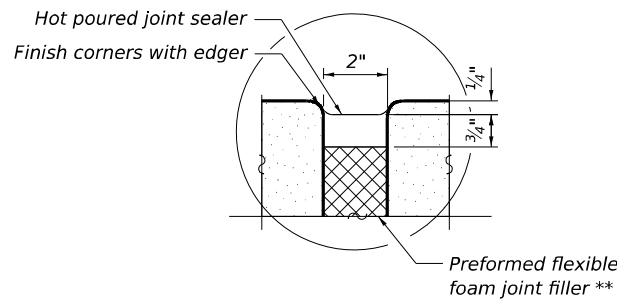
CORK PARAPET JOINT DETAILS

(At Parapet Cork Joints)



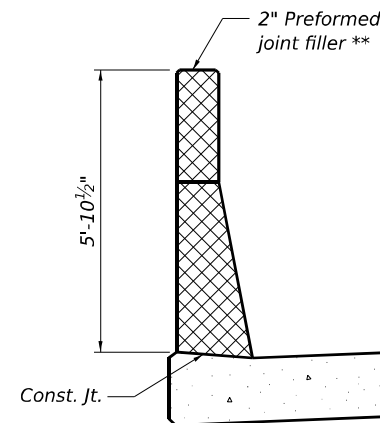
TRANSVERSE EXPANSION JOINT

(In Anchorage Slab)



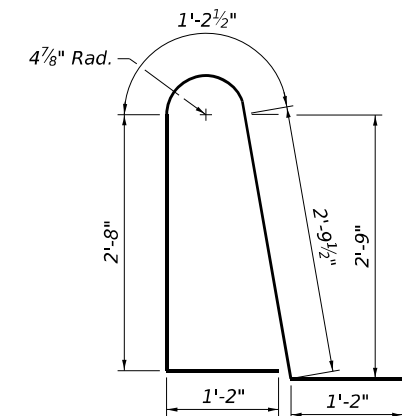
SEALING DETAIL

(In Anchorage Slab)



EXPANSION PARAPET JOINT DETAILS

(At 2" Expansion Joints between Anchorage Slab Segments)



BARS d702(E) and d704(E)

(Back leg to extend 9 1/2" into anchorage slab)

NOTES:

- The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color should be gray.
- For Section X-X and Noise Abatement Wall connection details, see Sheet S5-7.

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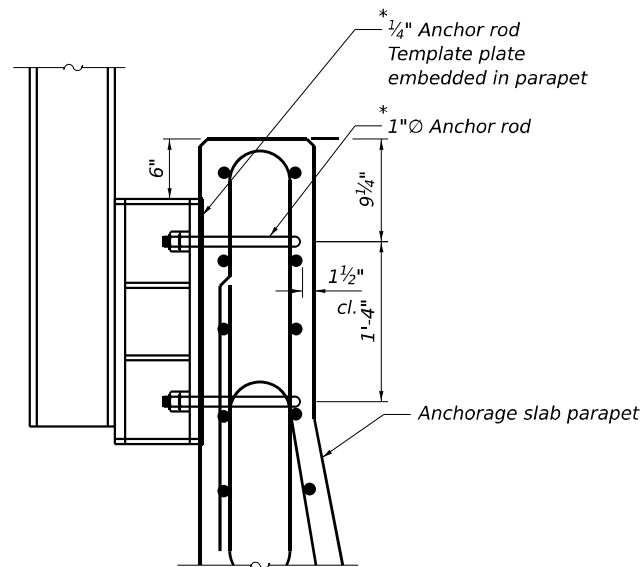
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 16
ANCHORAGE SLAB SECTIONS AND DETAILS**

SCALE: SHEET S5-6 OF 55-7 SHEETS STA. TO STA.

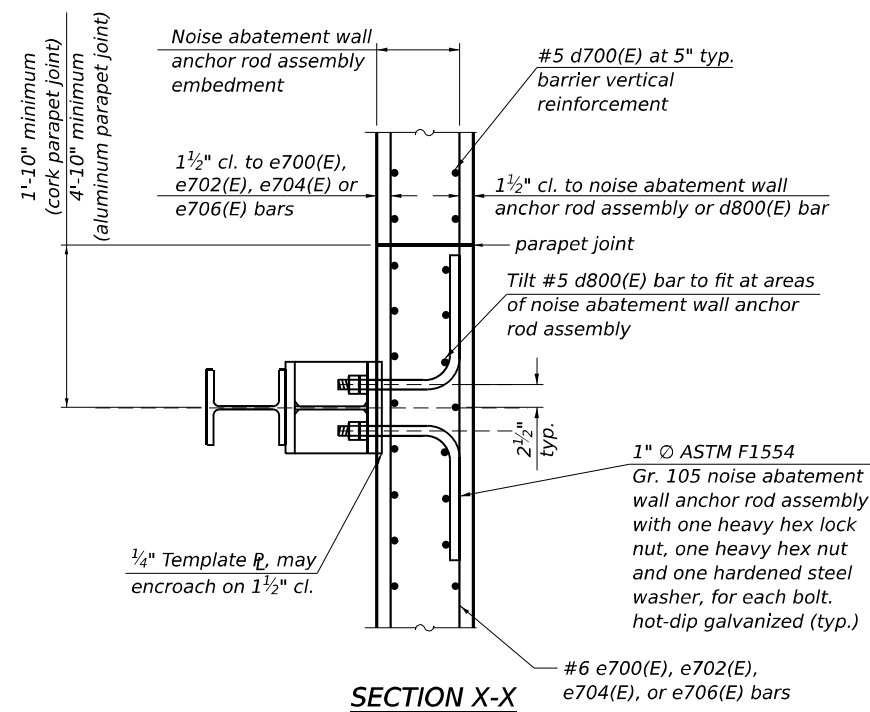
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I-80	FAI 80 21 STRUCTURE 4	WILL	550	338
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

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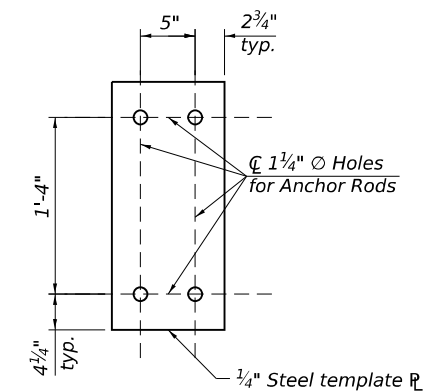


NOISE WALL CONNECTION DETAIL

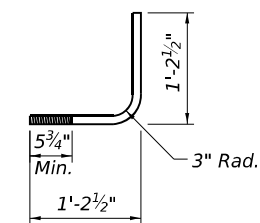
*Cost of four anchor rods, template plate, and associated hardware included in the cost for one each of Noise Abatement Wall Anchor Rod Assembly.



SECTION X-X



TEMPLATE PLATE FOR NOISE ABATEMENT WALL ANCHOR ROD ASSEMBLY



NOISE ABATEMENT WALL ANCHOR ROD ASSEMBLY

NOTE:

1. Post and post connection bracket details shown on anchorage slab plans for information only. See Noise Abatement Walls plans for full details.



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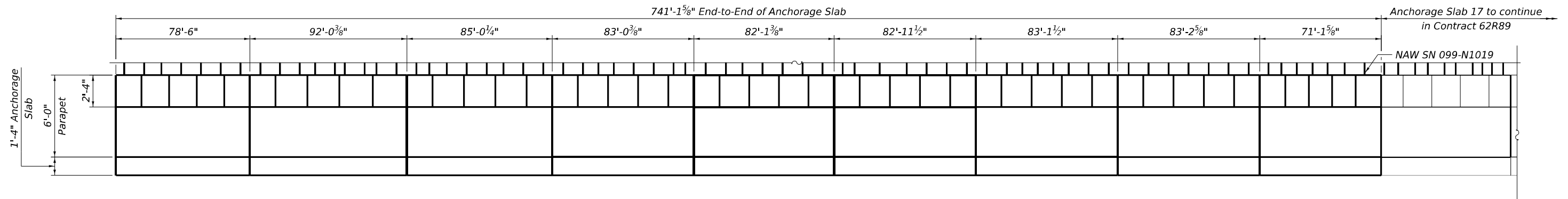
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 16
NOISE ABATEMENT WALL CONNECTION DETAILS**

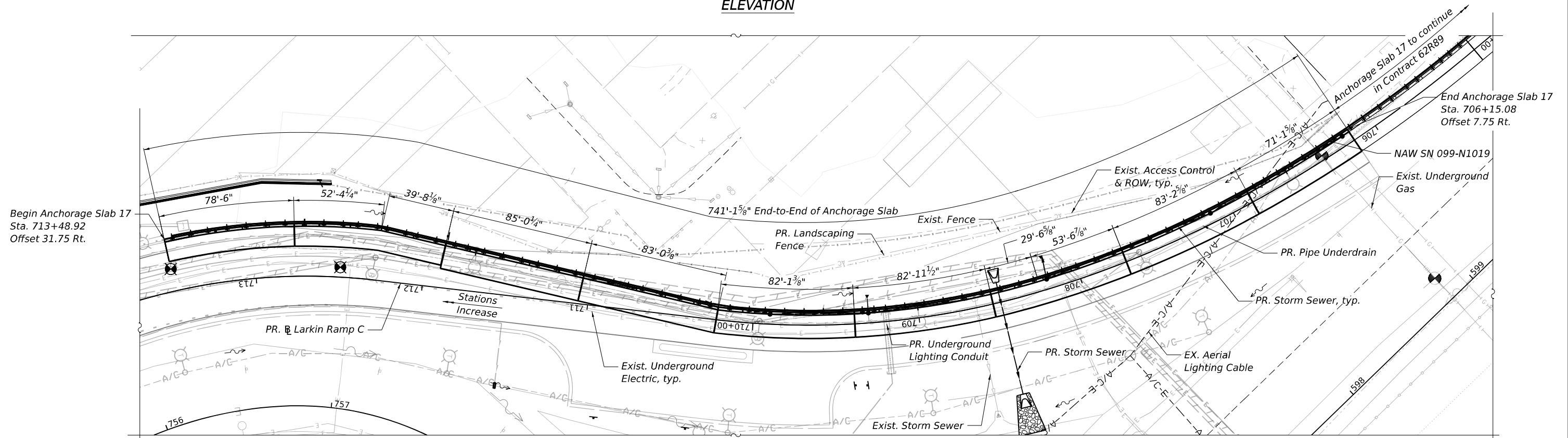
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	339
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

Benchmark: Set cut square on northwesterly corner of pier seat of most southerly Larkin Avenue bridge Pier on south side of eastbound I-80 at Station 588+57.65. Offset 83.72' RT, Elev. 634.804. See Alignment, Tie and Benchmark Sheets.



ELEVATION



PLAN

ABBREVIATIONS

Exp.	Expansion	F.F.	Front Face
Jt.	Joint	B.F.	Back Face
PGL	Profile Grade Line	E.E.	Each End
Lt.	Left	Prop.	Proposed
Rt.	Right	PR.	Proposed
Spa.	Space	Exist.	Existing
Sta.	Station	EX.	Existing
Elev.	Elevation	Temp.	Temporary
Typ.	Typical	ROW	Right of Way
PJF	Preformed Joint Filler	EOP	Edge of Pavement
		NAW	Noise Abatement Wall

NOTES:

- For General Notes, Index of Sheets, Legend, and Total Bill of Material, see Sheet S6-2
- Stations and offsets are measured along Larkin Ramp C I-80 to outside edge of anchorage slab.
- For proposed utilities, see ITS, lighting, drainage, and SUE plans.
- For details of NAW SN 099-N1019, see plans in this contract.



Signed Moussa A. Issa
 Dr. Moussa A. Issa, S.E. IL. LIC. No. 081-005738
 Expires 11-30-2024

Date 05/20/2024 For Sheets S6-1 thru S6-14

DESIGN LOADS

Overturning and Sliding (Static)
106k

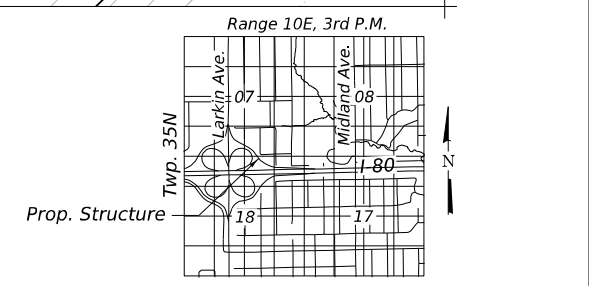
Strength (Dynamic)
260k

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS
 f_c = 4,000 psi (Superstructure)
 f_y = 60,000 psi (Reinforcement)



**GENERAL PLAN AND ELEVATION
 ANCHORAGE SLAB ALONG LARKIN RAMP C
 F.A.I. RTE. I-80
 SEC. F.A.I. 80 21 STRUCTURE 4
 WILL COUNTY
 STA. 713+48.92 TO STA. 706+15.08
 (ANCHORAGE SLAB 17)**



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 17
 GENERAL PLAN AND ELEVATION**

SCALE: SHEET S6-1 OF 56-14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	340
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

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GENERAL NOTES

- All exposed concrete edges shall have 3/4"x45° chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.
- Reinforcement bars designated "(E)" shall be epoxy coated.
- 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.
- No construction joint except those on the plans shall be allowed unless approved by the engineer.
- It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
- The contractor shall field verify location of the existing utilities prior to construction. The contractor shall take precautions not to damage existing utilities. Any damage shall be repaired by the Contractor at no additional cost.

INDEX OF SHEETS

- S6-1 General Plan and Elevation
- S6-2 General Notes, Index of Sheets, and Total Bill of Material
- S6-3 Anchorage Slab Plan and Elevation 1
- S6-4 Anchorage Slab Plan and Elevation 2
- S6-5 Anchorage Slab Plan and Elevation 3
- S6-6 Anchorage Slab Plan and Elevation 4
- S6-7 Anchorage Slab Plan and Elevation 5
- S6-8 Anchorage Slab Plan and Elevation 6
- S6-9 Anchorage Slab Plan and Elevation 7
- S6-10 Anchorage Slab Plan and Elevation 8
- S6-11 Anchorage Slab Plan and Elevation 9
- S6-12 Anchorage Slab Sections and Details
- S6-13 Noise Abatement Wall Connection Details
- S6-14 Bump Out Anchorage Slab Sections and Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Superstructure	Cu Yd	749.6
Protective Coat	Sq Yd	1,693
Reinforcement Bars, Epoxy Coated	Pound	160,030
Noise Abatement Wall Anchor Rod Assembly	Each	69

UTILITY CROSSING TABLE

UTILITY	STATION*	OFFSET*	ELEV.	COMMENTS
Prop. Pipe Underdrain	713+49.00 to 706+13.15	Varies from 1.00' to	-	Below Anchorage Slab. Station and offsets are measured along the utility.
Exist. Underground Electric	713+49.00 to 706+13.15	Varies	-	Within 20 feet of Parapet.
Prop. Junction Box	713+35.28	32.71'	-	
Prop. 12" Storm Sewer	709+90.00 to 711+00.00	6.00' to 15.12'	-	Within 5 feet of parapet. Station and offsets are measured for the drainage structures.
Prop. 15" Storm Sewer	709+90.00 to 709+30.19	6.00'	-	Within 5 feet of parapet. Station and offsets are measured for the drainage structures.
Prop. 18" Storm Sewer	709+30.19	6.00'	631.43	
Prop. 12" Storm Sewer	708+70.12 to 709+30.19	6.00'	-	Within 5 feet of parapet. Station and offsets are measured for the drainage structures.
Exist. 24" Storm Sewer	708+64.90	6.00'	-	
Prop. 36" Storm Sewer	708+49.98	6.00'	630.20	
Prop. 15" Storm Sewer	708+19.35	6.00'	631.32	
Prop. 15" Storm Sewer	707+12.44 to 708+19.62	6.00'	-	Within 5 feet of parapet. Station and offsets are measured for the drainage structures.
Exist. Underground Gasline	706+38.09	6.00'	-	
Prop. 15" Pipe culvert	706+20.03 to 707+12.44	6.00'	-	Within 5 feet of parapet. Station and offsets are measured for the drainage structures.

*Stations and offsets are taken to the Front Face at the toe of the parapet unless otherwise noted

LEGEND

	Exist. Underground Telephone		Exist. Storm Sewer		Prop. Concrete Headwall
	Exist. Underground Electric		Prop. Storm Sewer		Soil Boring
	Prop. Underground Electric		Prop. Guardrail		
	Prop. Lighting Cable		Exist. Guardrail		
	Exist. Underground Gas		Exist. Fence		
	Exist. Aerial Line		Exist. Access Control & ROW		
	Exist. Underground Fiber Optic		Exist. Cable Barrier		
	Prop. Underground Fiber Optic		Exist. Lighting		
	Exist. Underground Cable		Prop. Lighting		
	Exist. Pipe Underdrain		Prop. Drainage		
	Prop. Pipe Underdrain				

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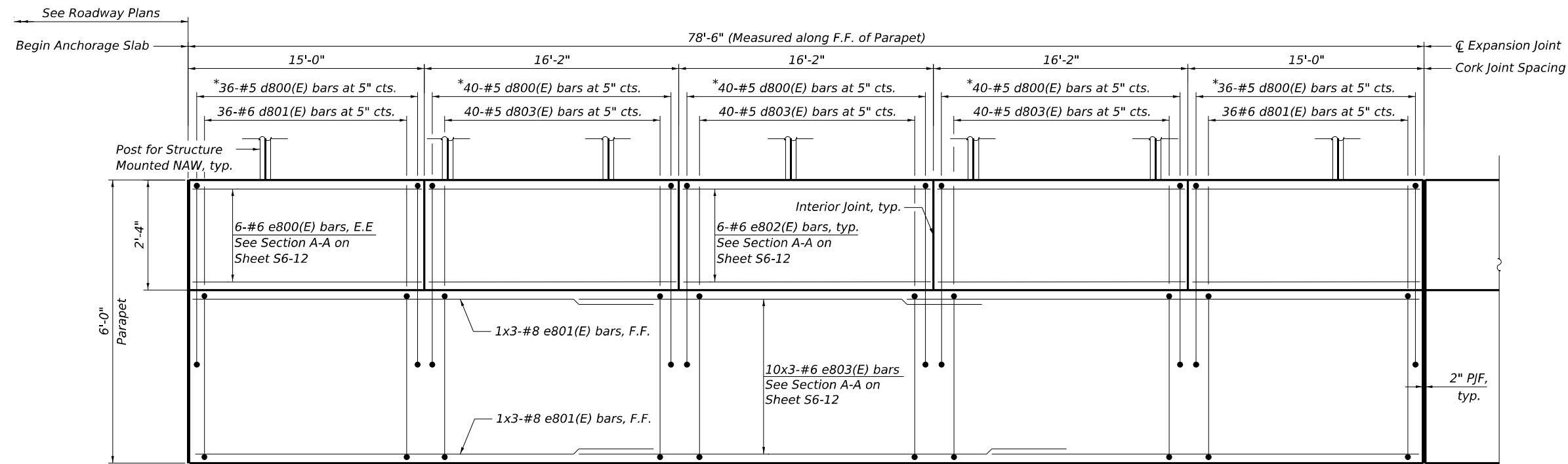
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DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 17
GENERAL NOTES, INDEX OF SHEETS, AND TOTAL BILL OF MATERIAL**

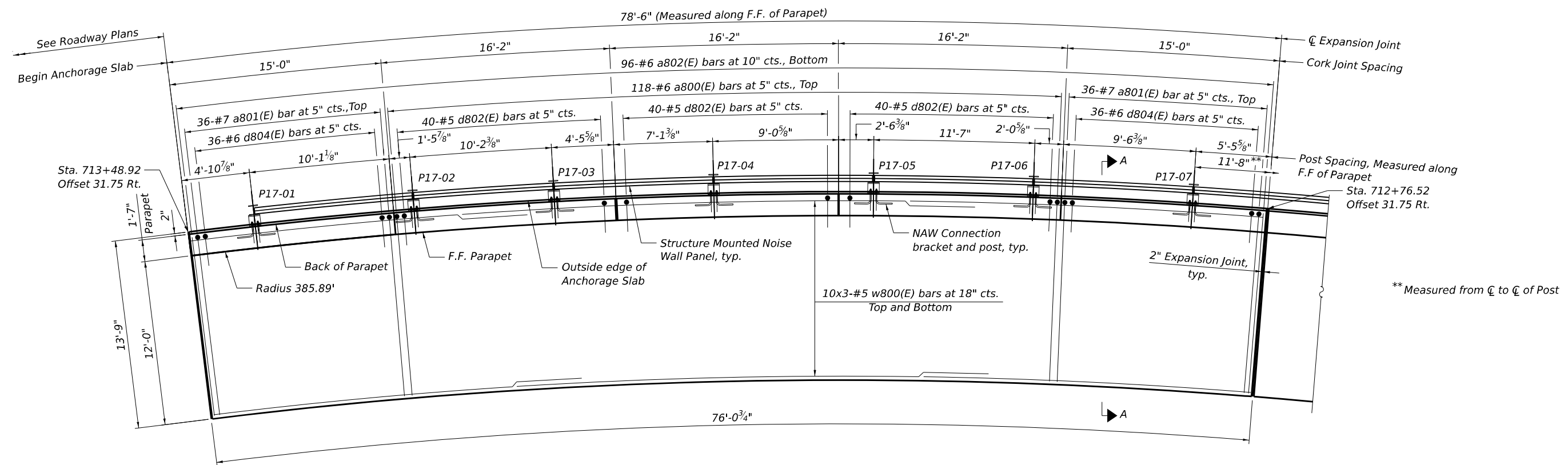
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I-80	FAI 80 21 STRUCTURE 4	WILL	550	341
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R25	



INSIDE ELEVATION OF PARAPET
(Segment 1)

* Tilt d800(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 1)

NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" P.J.F. is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

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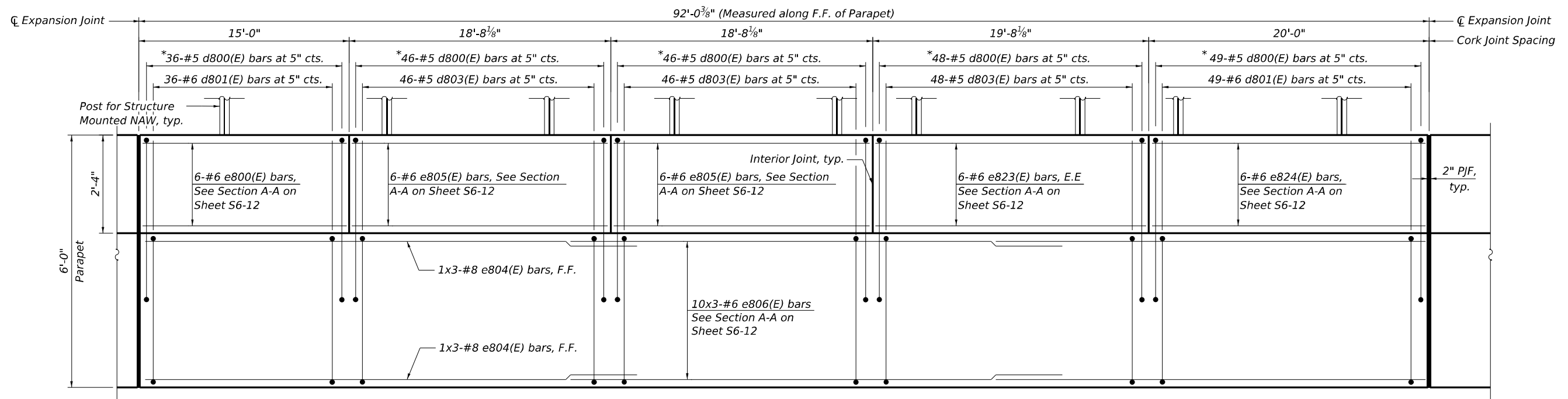
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DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 17
ANCHORAGE SLAB PLAN AND ELEVATION 1**

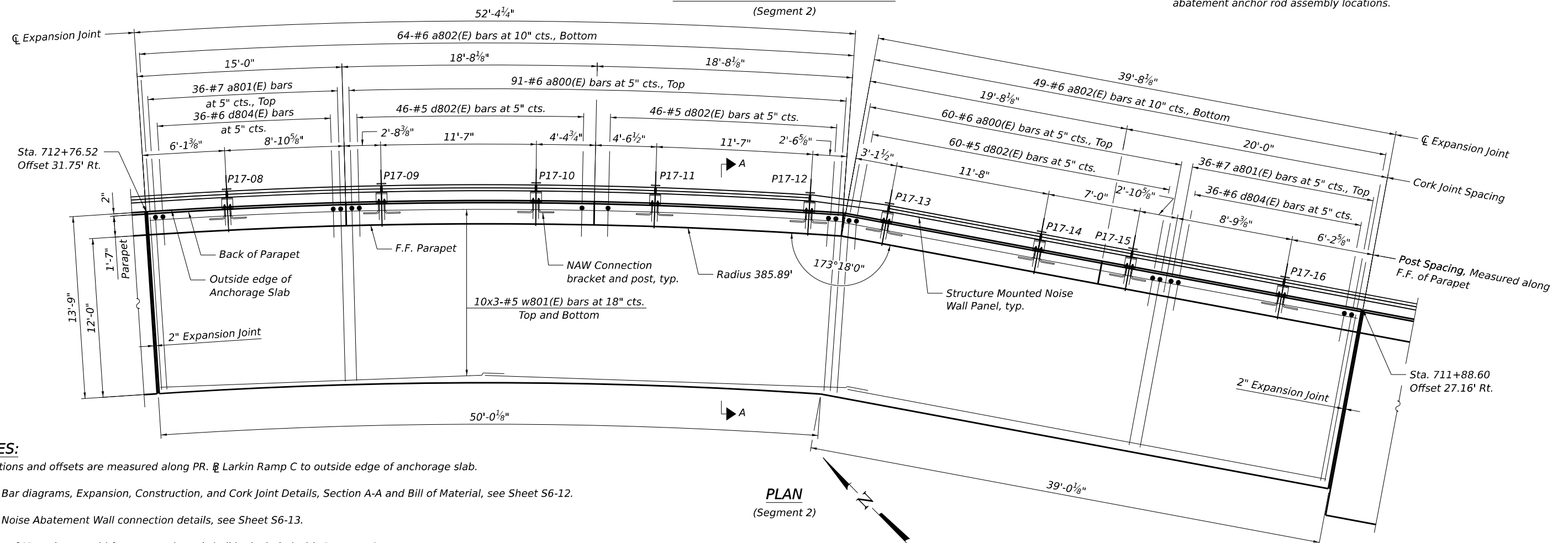
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CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET
(Segment 2)

* Tilt d800(E) bars to fit at area of noise abatement anchor rod assembly locations.



NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" P/JF is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

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ANCHORAGE SLAB 17
ANCHORAGE SLAB PLAN AND ELEVATION 2

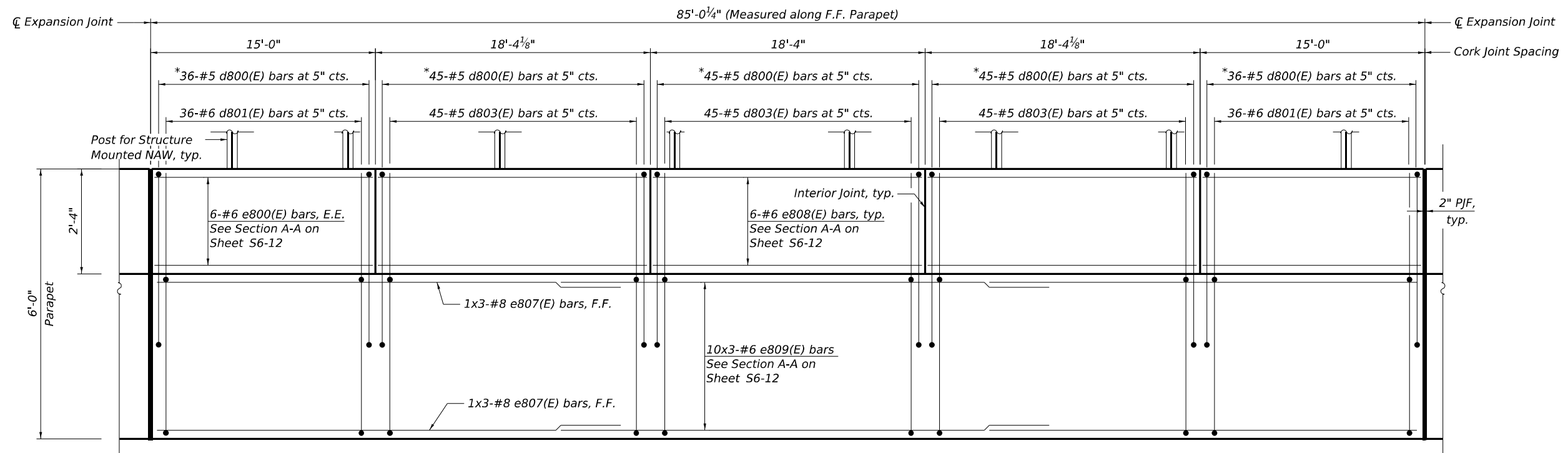
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	343
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

HBM
ENGINEERING GROUP, LLC

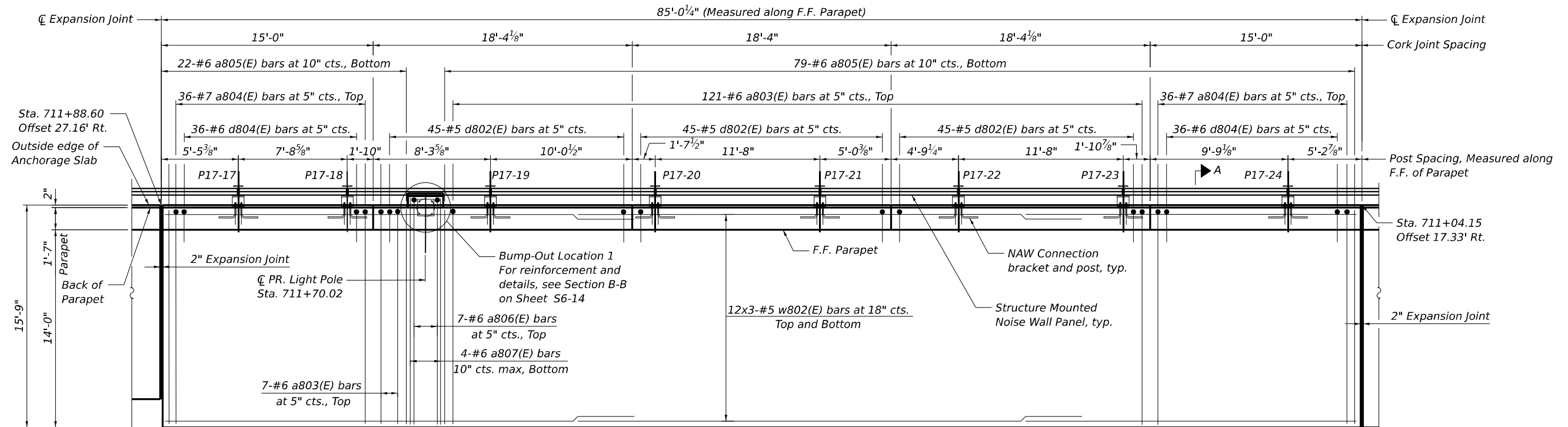
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INSIDE ELEVATION OF PARAPET
(Segment 3)

* Tilt d800(E) bars to fit at area of noise abatement anchor rod assembly locations.



NOTES:

1. Stations and offsets are measured along PR. \perp Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" P.J.F. is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

PLAN
(Segment 3)

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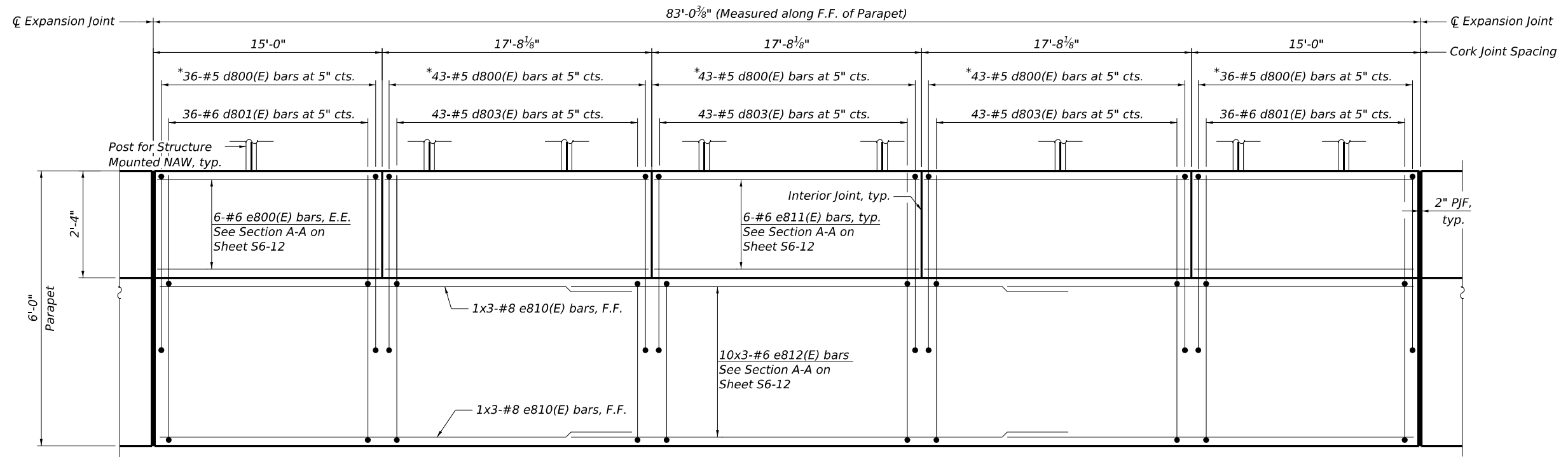
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ANCHORAGE SLAB 17
ANCHORAGE SLAB PLAN AND ELEVATION 3

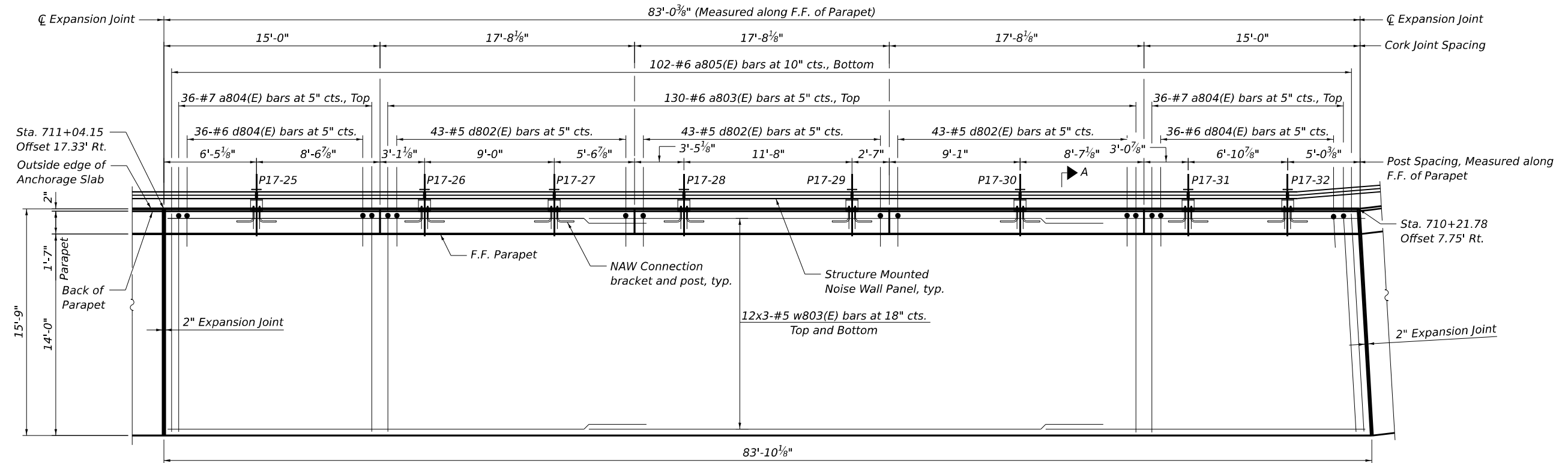
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	344
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET
(Segment 4)

* Tilt d800(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 4)

NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" PJF is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

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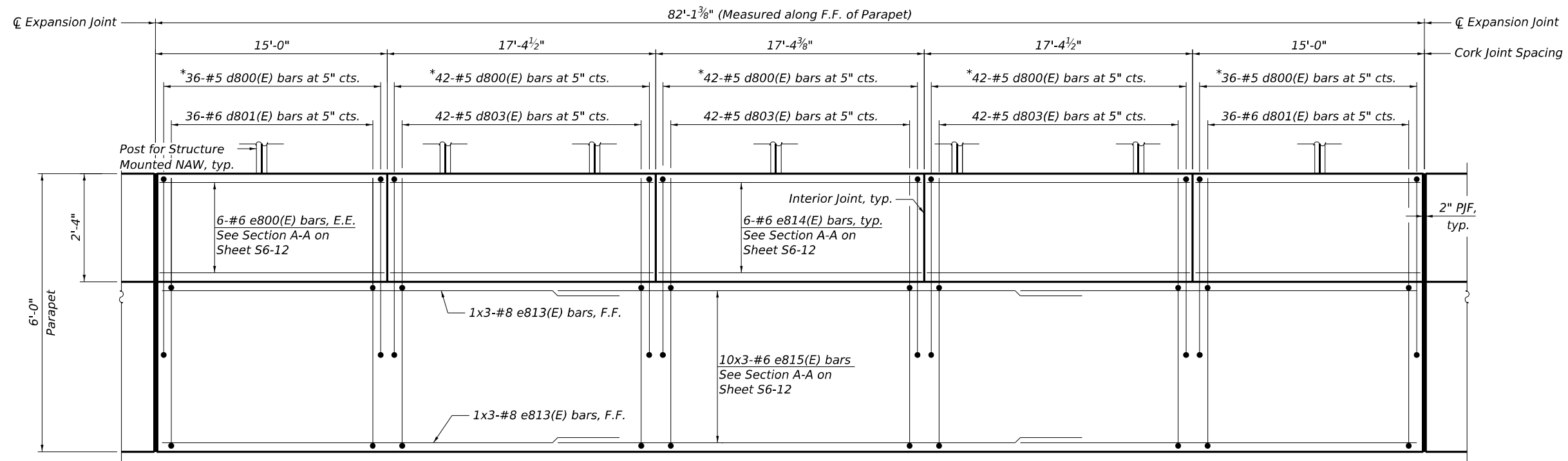
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ANCHORAGE SLAB 17
ANCHORAGE SLAB PLAN AND ELEVATION 4

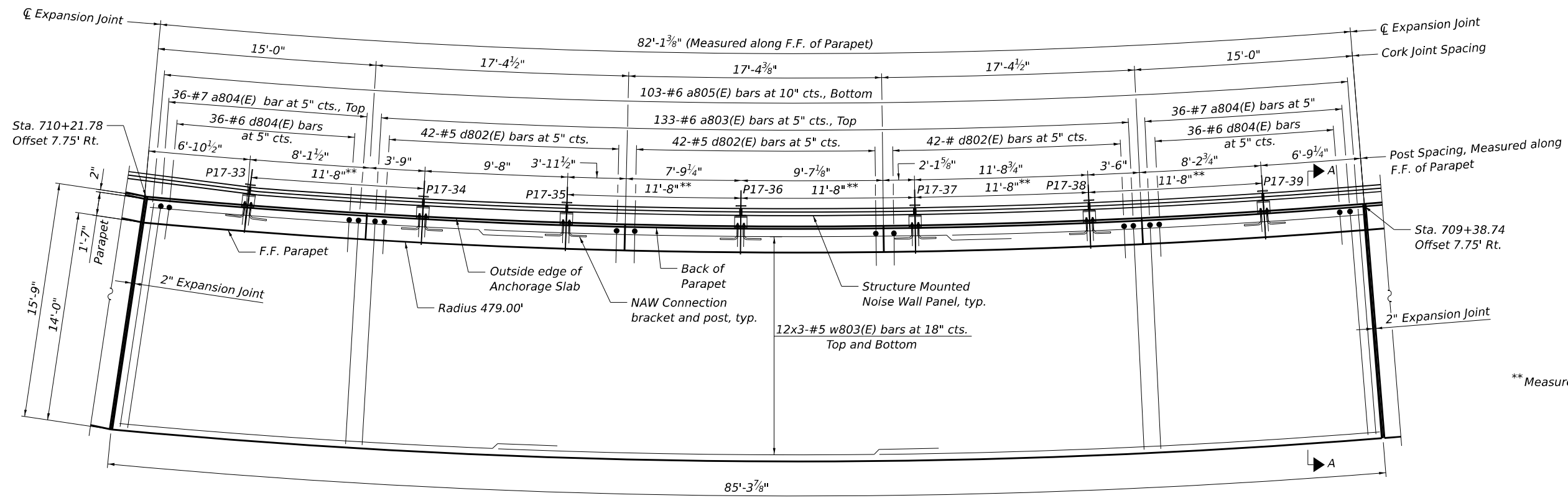
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I-80	FAI 80 21 STRUCTURE 4	WILL	550	345
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET
(Segment 5)

* Tilt d800(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 5)

NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" PJF is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

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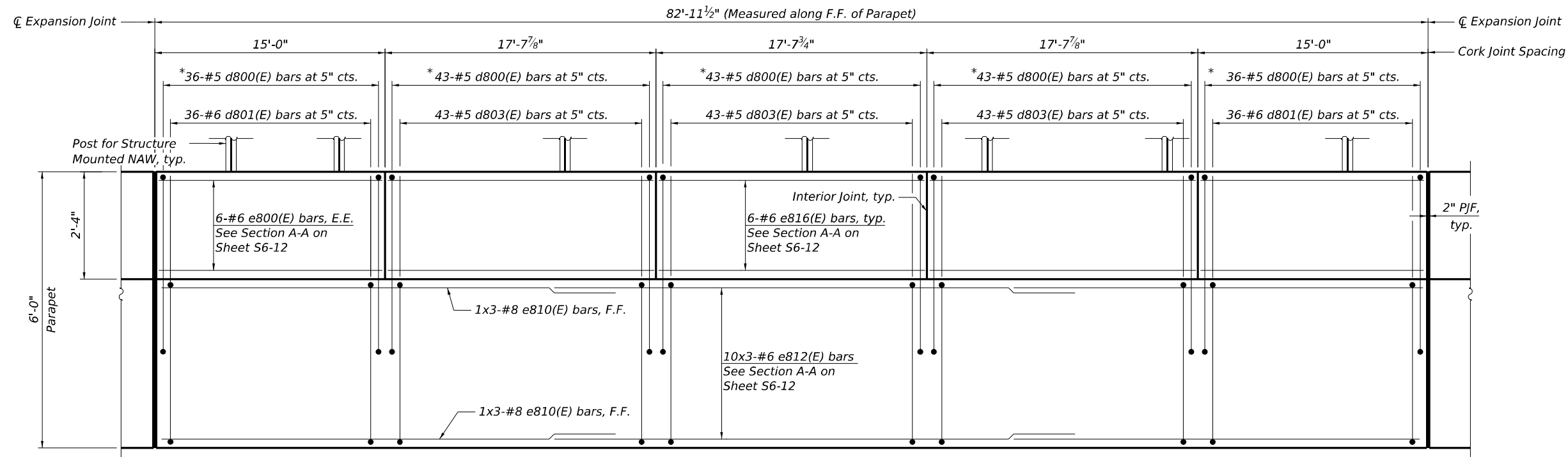


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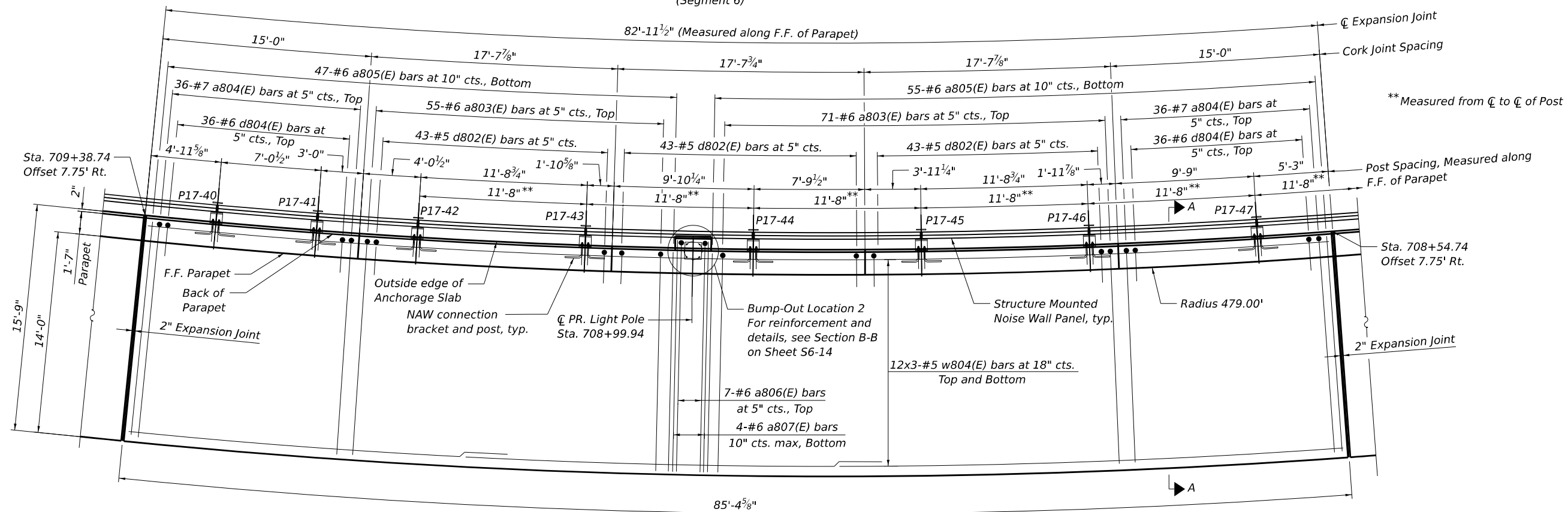
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ANCHORAGE SLAB 17			
ANCHORAGE SLAB PLAN AND ELEVATION 5			
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	346
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET
(Segment 6)



PLAN
(Segment 6)

NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" P.J.F. is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

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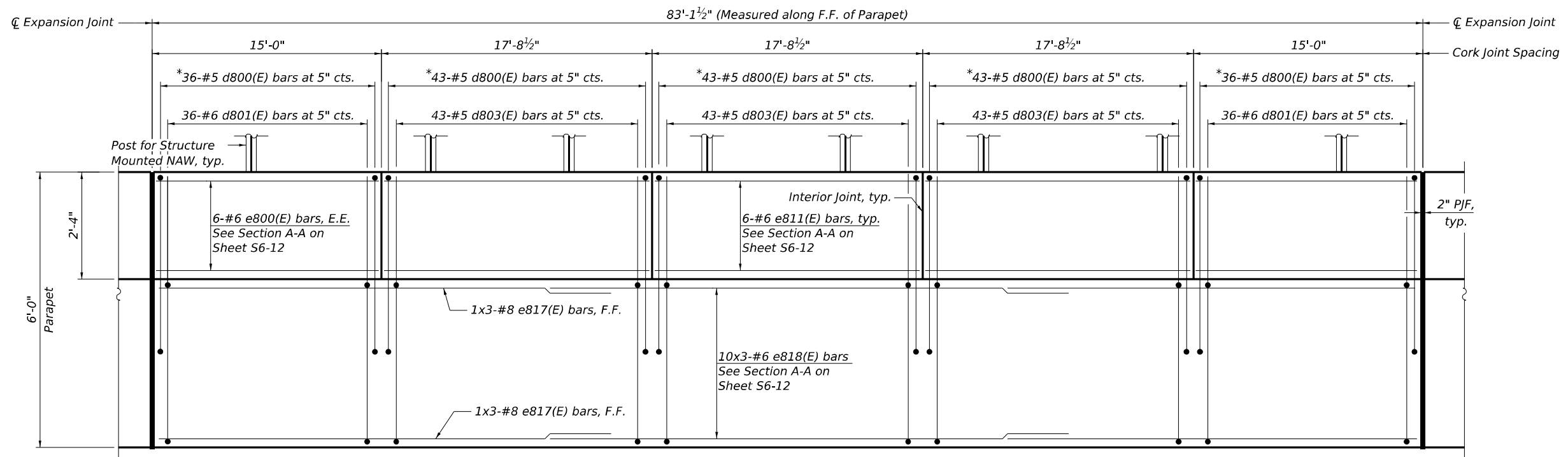
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB 17
ANCHORAGE SLAB PLAN AND ELEVATION 6

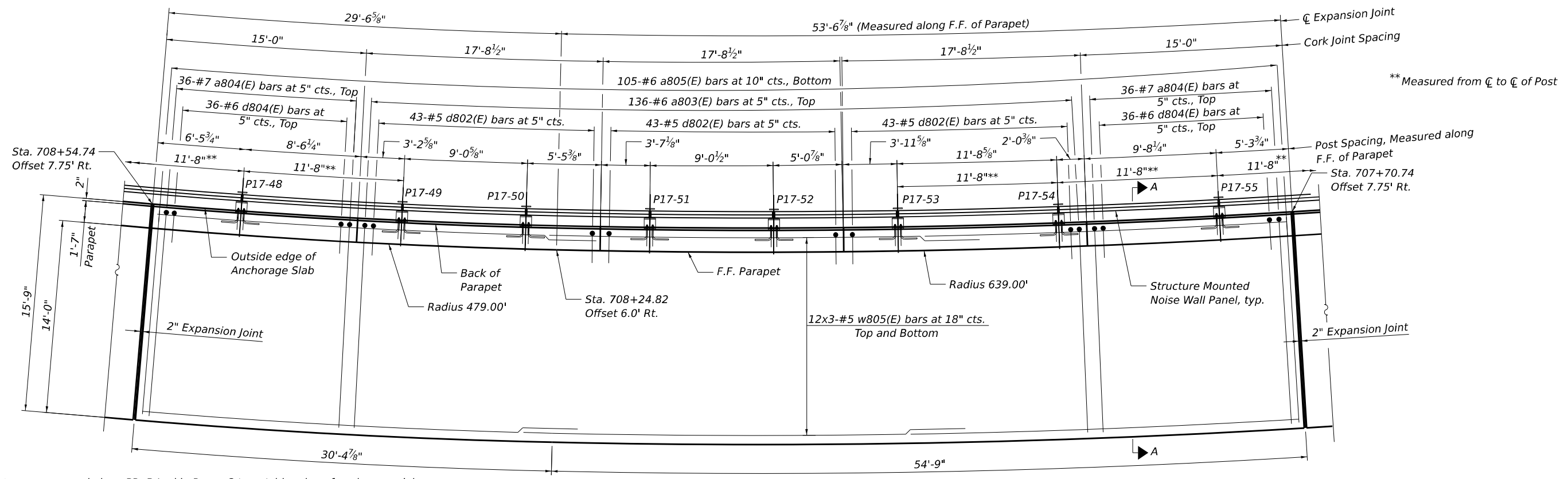
SCALE: SHEET S6-8 OF 56-14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	347
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



INSIDE ELEVATION OF PARAPET
(Segment 7)

* Tilt d800(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 7)

NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" PJF is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

MODEL: BL_Plan_00 - Plan 3 (Sheet)
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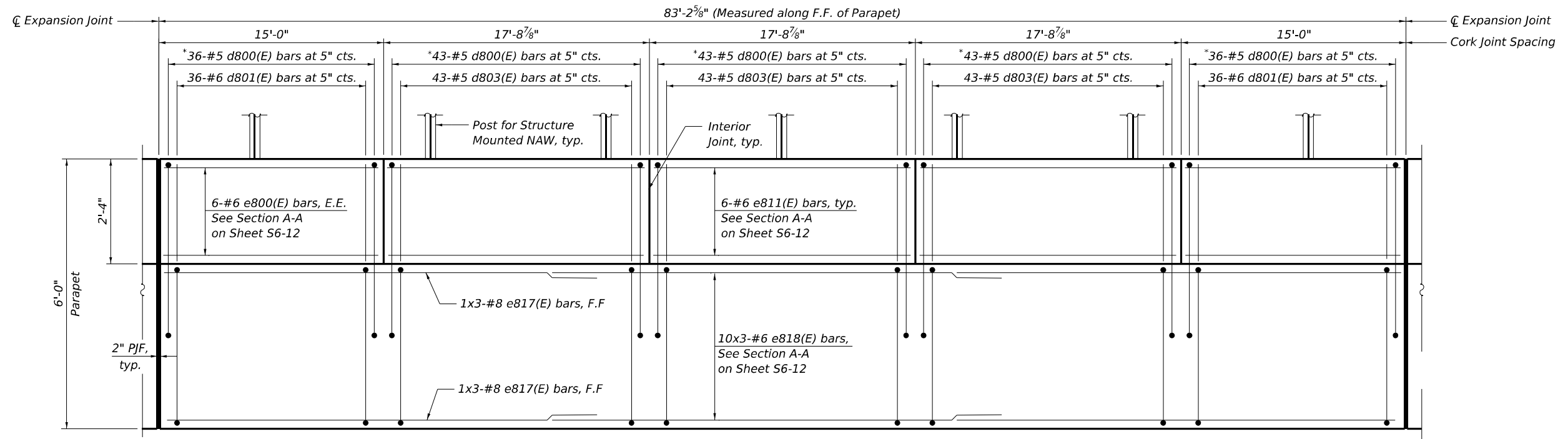
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	DRAWN - LAB, FL	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 17
ANCHORAGE SLAB PLAN AND ELEVATION 7**

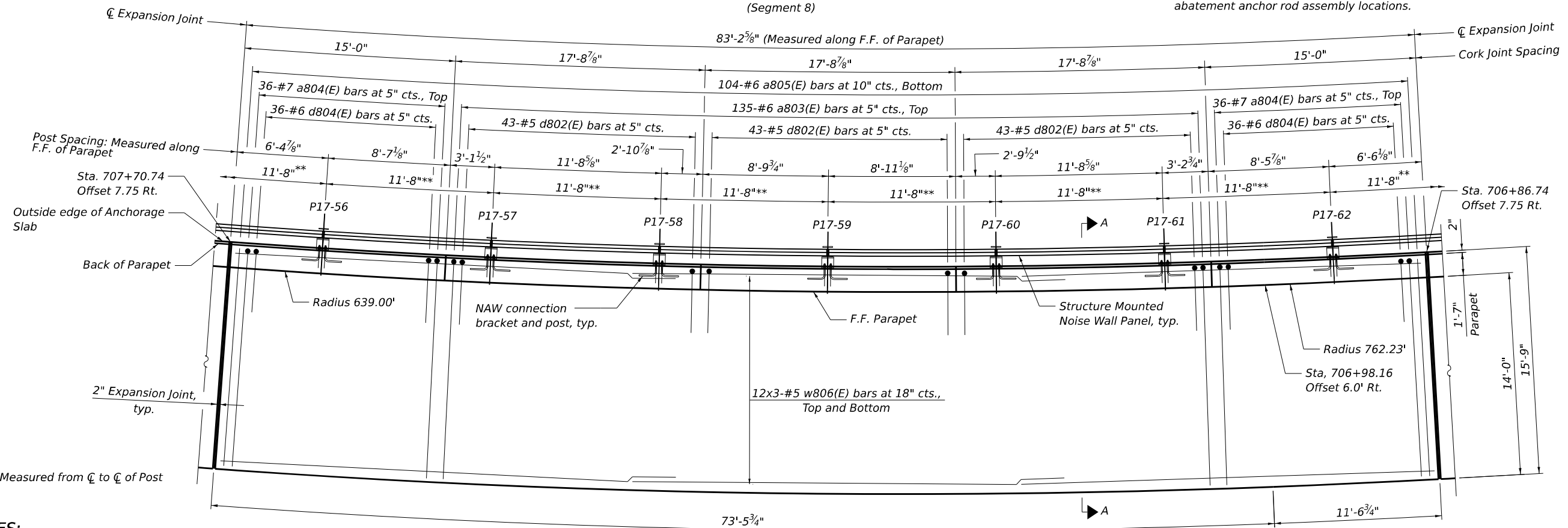
SCALE: SHEET S6-9 OF 56-14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	348
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET
(Segment 8)

* Tilt d800(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 8)

NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" P.F.F. is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

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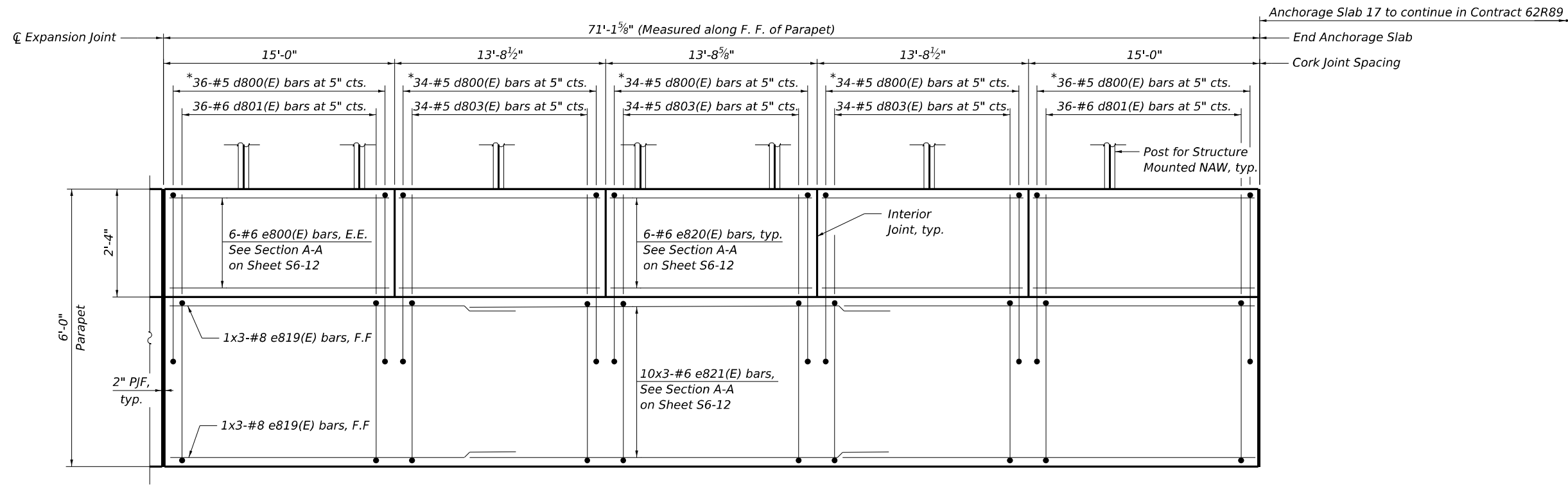
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	DRAWN - LAB, FL	REVISED -
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PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB 17
ANCHORAGE SLAB PLAN AND ELEVATION 8

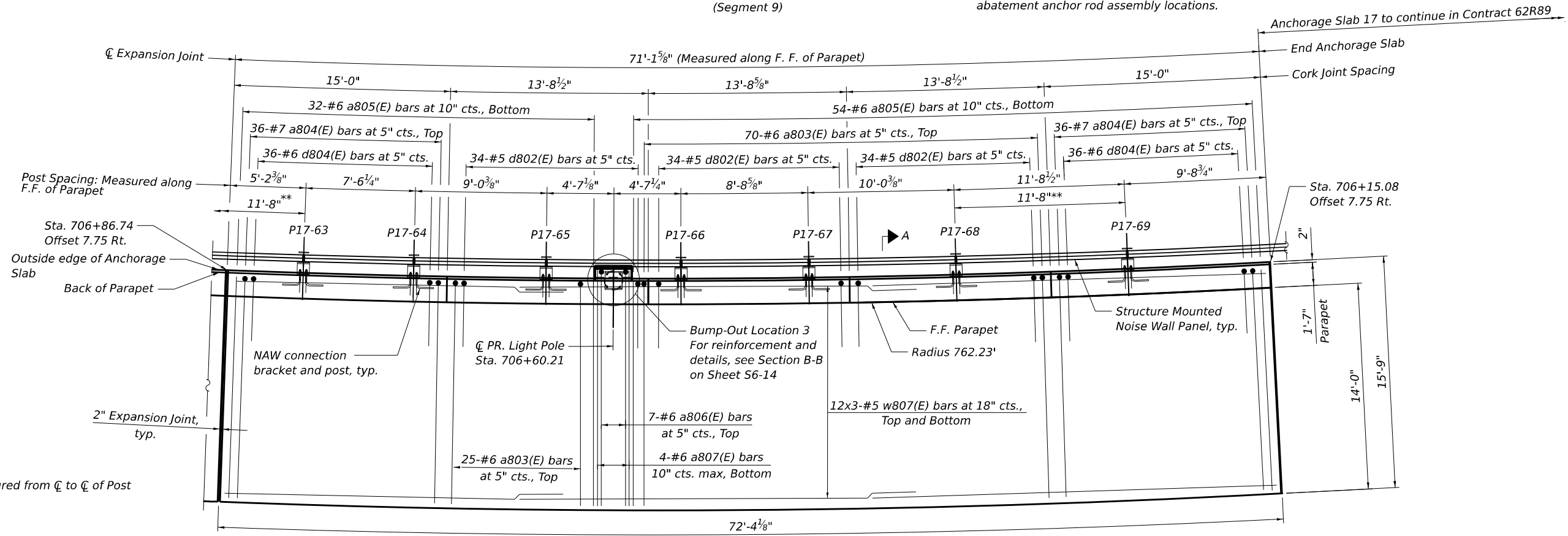
SCALE: SHEET S6-10 OF S6-14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	349
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	



INSIDE ELEVATION OF PARAPET
(Segment 9)

* Tilt d800(E) bars to fit at area of noise abatement anchor rod assembly locations.



PLAN
(Segment 9)

NOTES:

1. Stations and offsets are measured along PR. @ Larkin Ramp C to outside edge of anchorage slab.
2. For Bar diagrams, Expansion, Construction, and Cork Joint Details, Section A-A and Bill of Material, see Sheet S6-12.
3. For Noise Abatement Wall connection details, see Sheet S6-13.
4. Cost of 2" P.F.F. is not paid for separately and shall be included with Concrete Superstructure.
5. Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.

MODEL: BL_PR_00_Plan 3 (Sheet)
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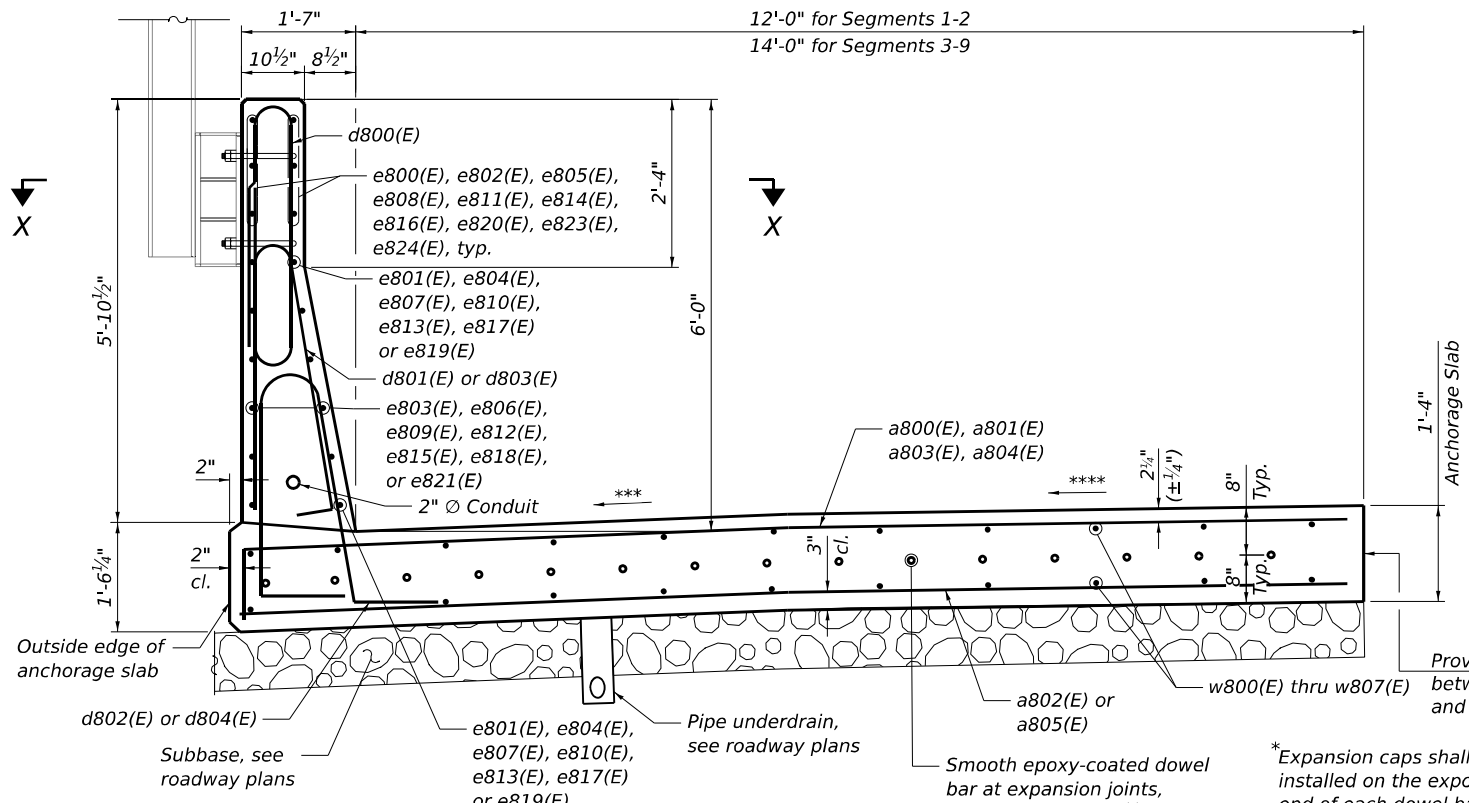
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PLOT DATE = 6/4/2024	CHECKED - MI	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB 17
ANCHORAGE SLAB PLAN AND ELEVATION 9

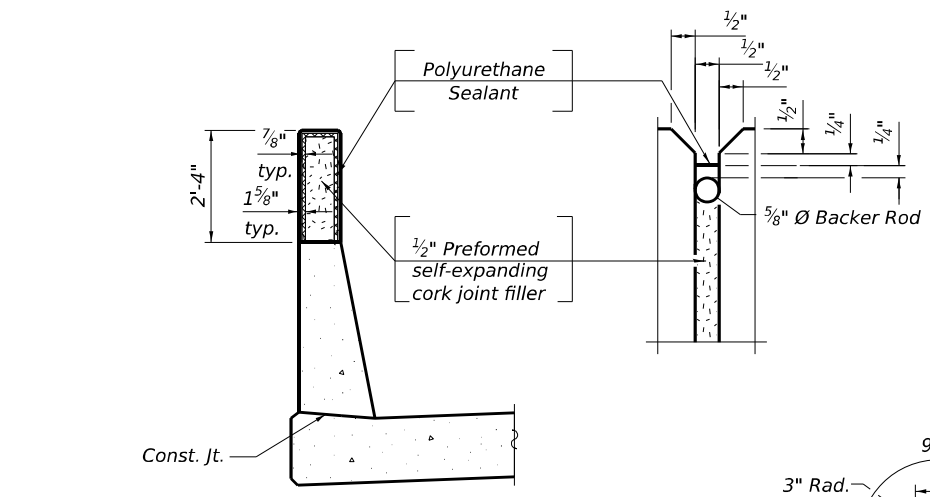
SCALE: SHEET S6-11 OF S6-14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	350
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

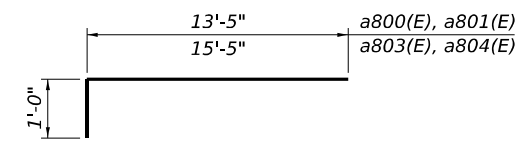


SECTION A-A

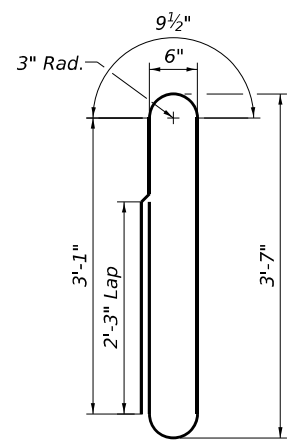
(Noise Wall Connection Detail not shown for clarity)



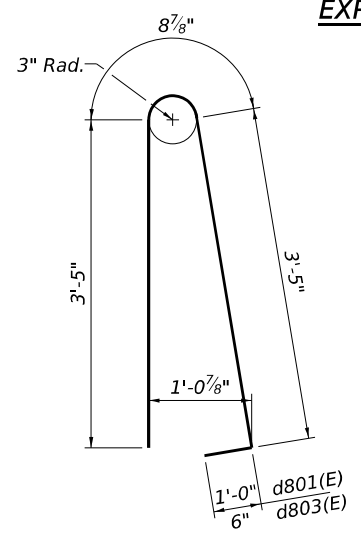
CORK PARAPET JOINT DETAILS
(At Parapet Cork Joints)



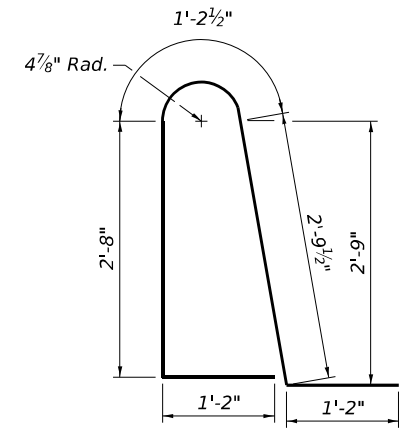
BARS a800(E), a801(E), a803(E) and a804(E)



BAR d800(E)



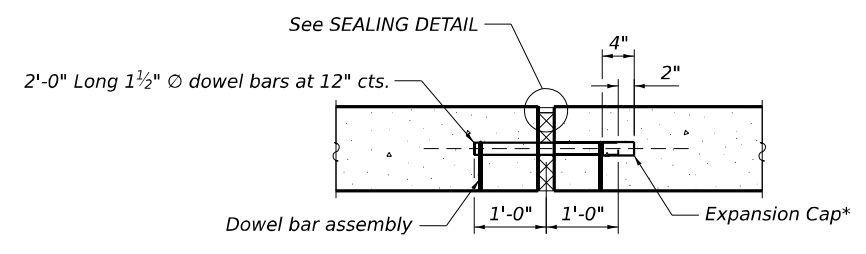
BARS d801(E) and d803(E)



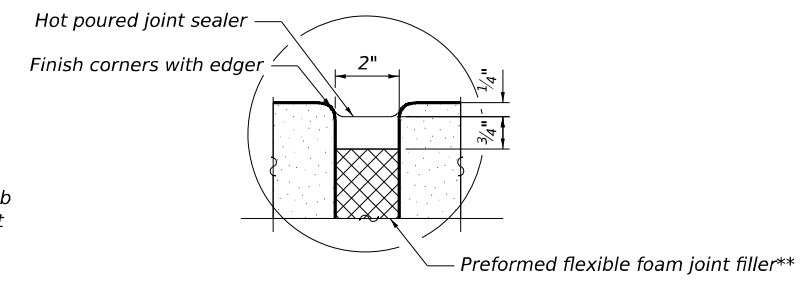
BARS d802(E) and d804(E)
(Back leg to extend 9 1/2" into anchorage slab)

MINIMUM BAR LAPS

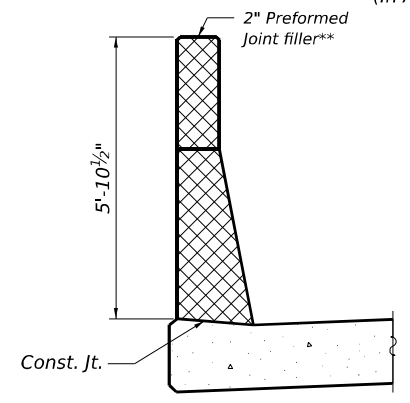
- #5 bar = 3'-4"
- #6 bar = 3'-7"
- #8 bar = 4'-9"



TRANSVERSE EXPANSION JOINT
(In Anchorage Slab)



SEALING DETAIL
(In Anchorage Slab)



EXPANSION PARAPET JOINT DETAILS

(At 2" Expansion Joints between Anchorage Slab Segments)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a800(E)	269	#6	14'-5"	
a801(E)	144	#7	14'-5"	
a802(E)	209	#6	13'-5"	
a803(E)	883	#6	16'-5"	
a804(E)	504	#7	16'-5"	
a805(E)	703	#6	15'-5"	
a806(E)	21	#6	17'-3"	
a807(E)	12	#6	16'-3"	
d800(E)	1800	#5	10'-0"	
d801(E)	661	#6	8'-7"	
d802(E)	1151	#5	9'-0"	
d803(E)	1139	#5	8'-1"	
d804(E)	648	#6	9'-0"	
d805(E)	15	#6	7'-7"	
e800(E)	102	#6	14'-8"	
e801(E)	6	#8	29'-3"	
e802(E)	18	#6	15'-10"	
e803(E)	30	#6	28'-7"	
e804(E)	6	#8	33'-9"	
e805(E)	12	#6	18'-4"	
e806(E)	30	#6	33'-1"	
e807(E)	6	#8	31'-5"	
e808(E)	18	#6	17'-11"	
e809(E)	30	#6	30'-9"	
e810(E)	12	#8	30'-9"	
e811(E)	54	#6	17'-4"	
e812(E)	60	#6	30'-1"	
e813(E)	6	#8	30'-6"	
e814(E)	18	#6	17'-0"	
e815(E)	30	#6	29'-10"	
e816(E)	18	#6	17'-3"	
e817(E)	12	#8	30'-10"	
e818(E)	60	#6	30'-2"	
e819(E)	6	#8	26'-9"	
e820(E)	18	#6	13'-4"	
e821(E)	30	#6	26'-1"	
e822(E)	36	#6	8'-11"	
e823(E)	6	#6	19'-4"	
e824(E)	6	#6	19'-8"	
w800(E)	30	#5	28'-5"	
w801(E)	30	#5	33'-0"	
w802(E)	36	#5	30'-6"	
w803(E)	72	#5	30'-1"	
w804(E)	36	#5	30'-6"	
w805(E)	36	#5	30'-11"	
w806(E)	36	#5	30'-10"	
w807(E)	36	#5	26'-3"	
Concrete Superstructure		Cu Yd	749.6	
Protective Coat		Sq Yd	1693	
Reinforcement Bars, Epoxy Coated		Pound	160,030	
Noise Abatement Wall Anchor Rod Assembly		Each	69	

NOTES:

- The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color should be gray.
- For Section X-X and Noise Abatement Wall connection details, see Sheet S6-13.



USER NAME = guillermo.aretano	DESIGNED - LAB	REVISED -
DRAWN - LAB, FL	REVISED -	
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE = 6/24/2024	DATE - 6/18/24	REVISED -

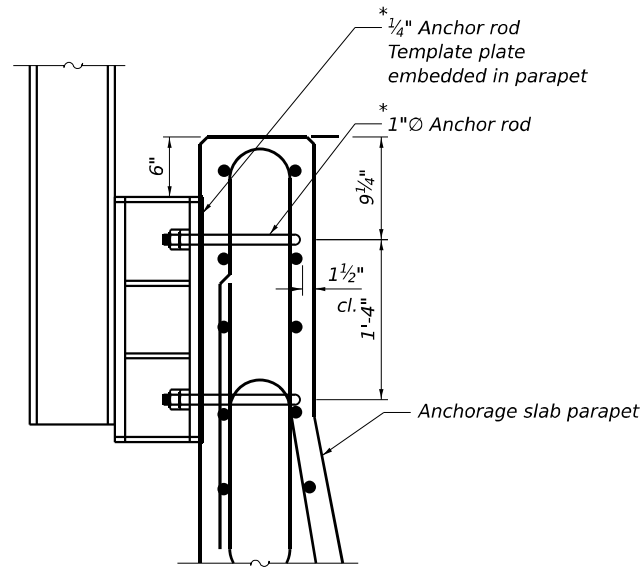
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB 17 ANCHORAGE SLAB SECTIONS AND DETAILS
SCALE: SHEET 56-12 OF 56-14 SHEETS STA. TO STA.

F.A.I. RTE. I-80	SECTION FAI 80 21 STRUCTURE 4	COUNTY WILL	TOTAL SHEETS 550	SHEET NO. 351
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

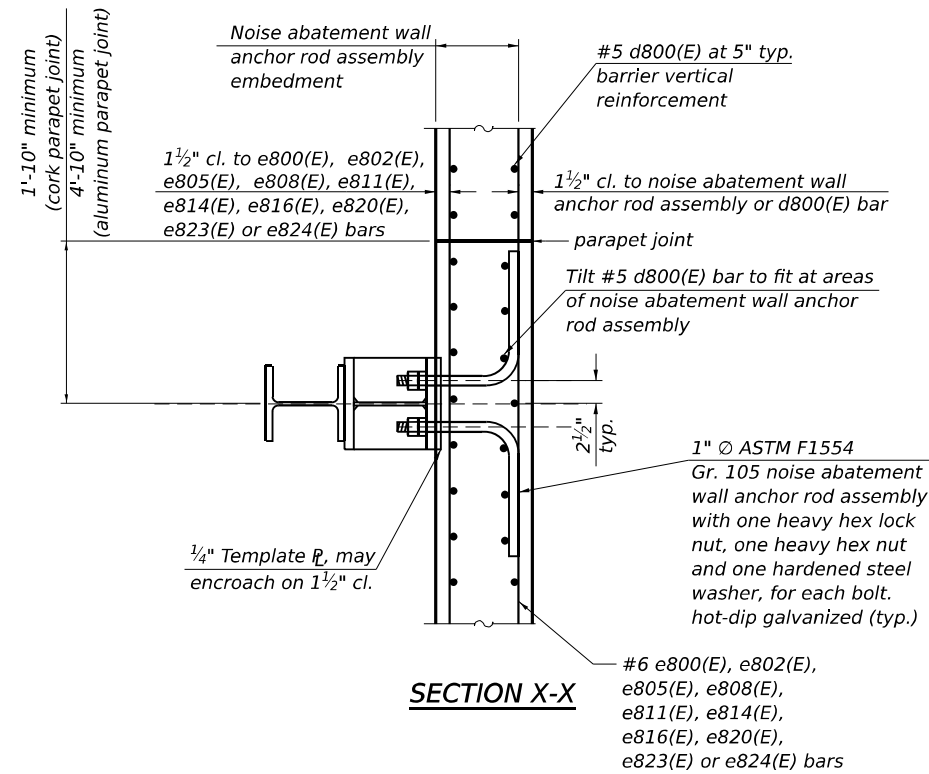
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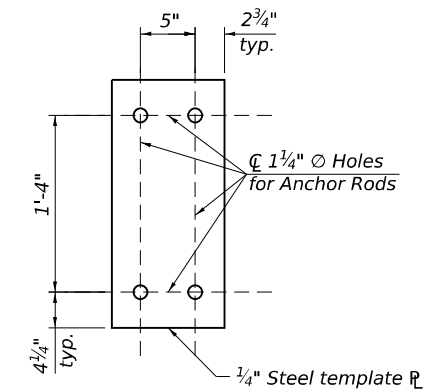


NOISE WALL CONNECTION DETAIL

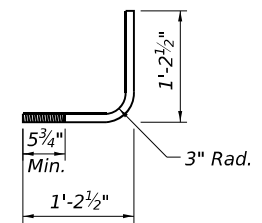
*Cost of four anchor rods, template plate, and associated hardware included in the cost for one each of Noise Abatement Wall Anchor Rod Assembly.



SECTION X-X



TEMPLATE PLATE FOR NOISE ABATEMENT WALL ANCHOR ROD ASSEMBLY



NOISE ABATEMENT WALL ANCHOR ROD ASSEMBLY

NOTE:

1. Post and post connection bracket details shown on anchorage slab plans for information only. See Noise Abatement Walls plans for full details.



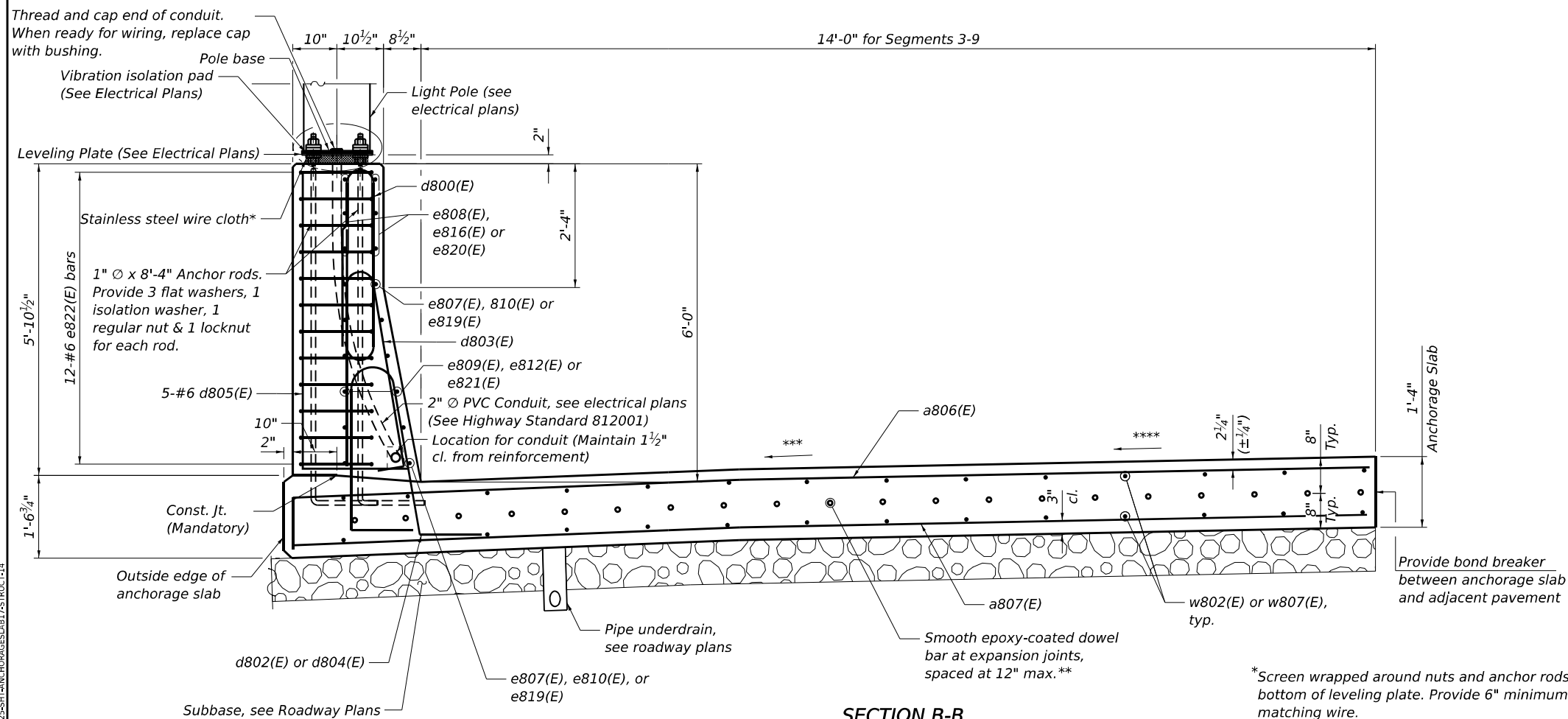
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DRAWN - LAB, FL	REVISIONS	
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PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ANCHORAGE SLAB 17
NOISE ABATEMENT WALL CONNECTION DETAILS**

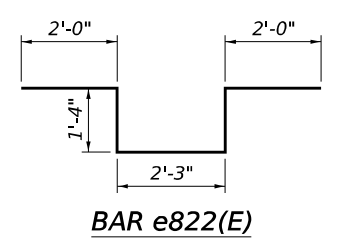
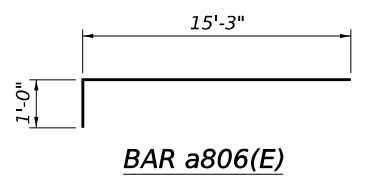
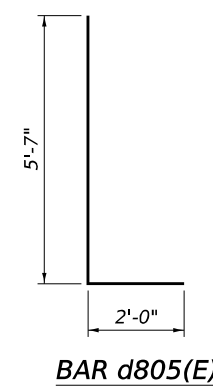
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	352
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				



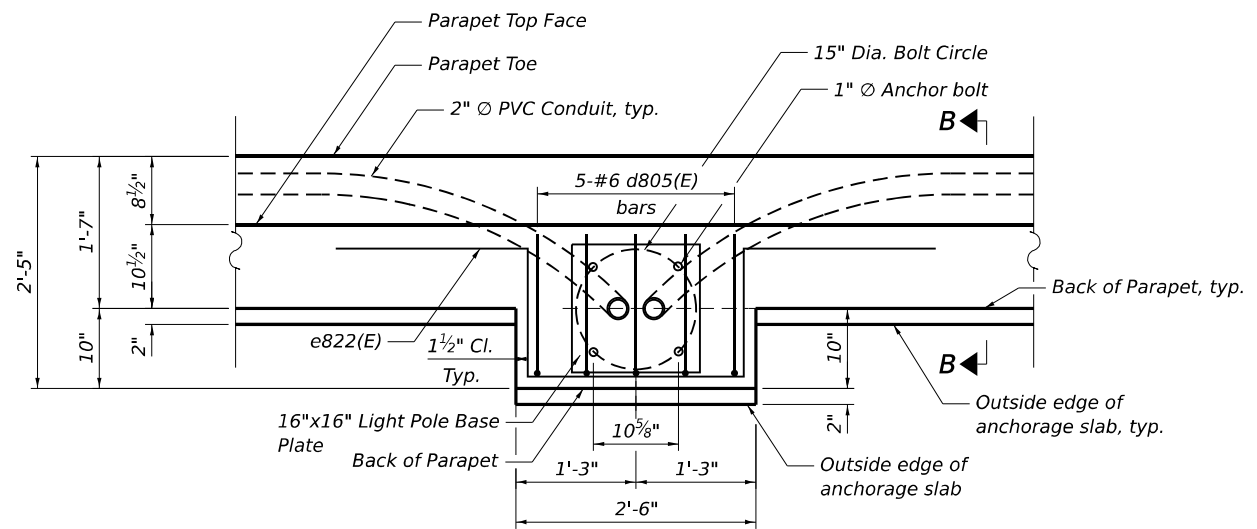
NOTES:

1. The cost of anchor rods is included with Concrete Superstructure.
2. For quantities, see Sheet S6-12.
3. Anchor rods, nuts and washers shall be in accordance with standard specifications Articles 1070.02 and 1006.09.

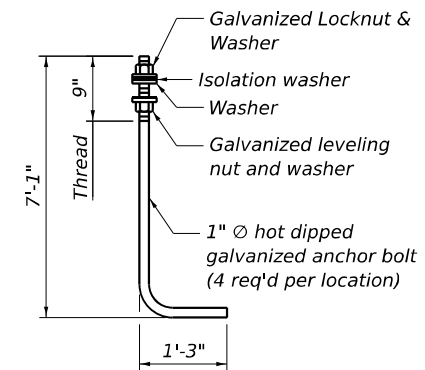


SECTION B-B
 (Bump-Out Location 1 - Sta. 711+70.02)
 (Bump-Out Location 2 - Sta. 708+99.94)
 (Bump-Out Location 3 - Sta. 706+60.21)
 (Stations taken at back edge of Bump-out)
 (Noise Abatement Wall not shown for clarity)

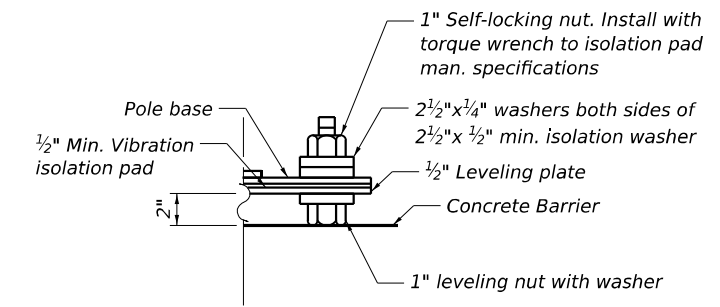
* Screen wrapped around nuts and anchor rods between foundation and bottom of leveling plate. Provide 6" minimum overlap and wire-tie with matching wire.
 ** Cost included with Concrete Superstructure.
 *** Varies +2.00% to +6.00% see roadway plans
 **** Varies -6.00% to +6.00% see roadway plans



PLAN
 (Noise Abatement Wall not shown for clarity)
 (Bump-Out Location 1 - Sta. 711+70.02)
 (Bump-Out Location 2 - Sta. 708+99.94)
 (Bump-Out Location 3 - Sta. 706+60.21)
 (Stations taken at back edge of Bump-out)



ANCHOR ROD
 (ASTM F 1554 Grade 105)



WASHER DETAIL

MODEL: BL_00_Plan 3 (Sheet)
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USER NAME = vjanachione	DESIGNED - LAB	REVISED
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PLOT DATE = 6/4/2024	CHECKED - MI	REVISED -
	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB 17
BUMP OUT ANCHORAGE SLAB SECTIONS AND DETAILS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	353
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

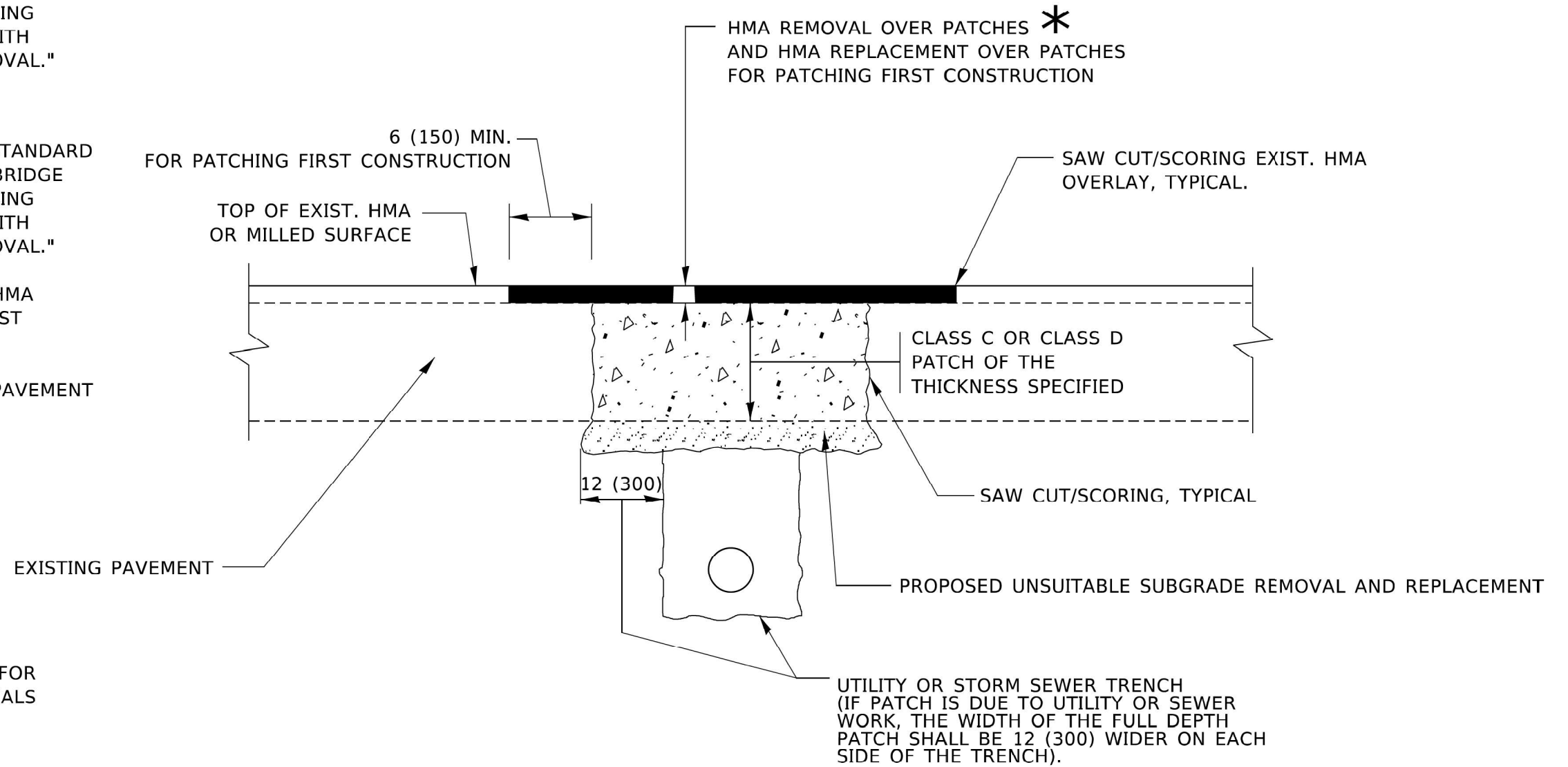
SCALE: SHEET S6-14 OF 56-14 SHEETS STA. TO STA.

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default; FILE: hma; PROJECT: hma; DRAWING: hma; SHEET: hma; CONTRACT: hma; DATE: 11/18/2022

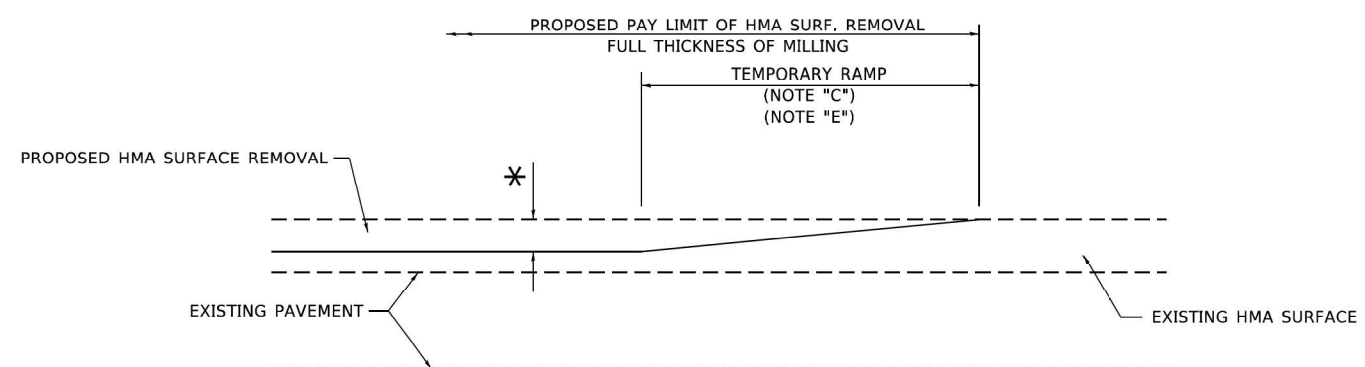
USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. ENG 10-27-08
		REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

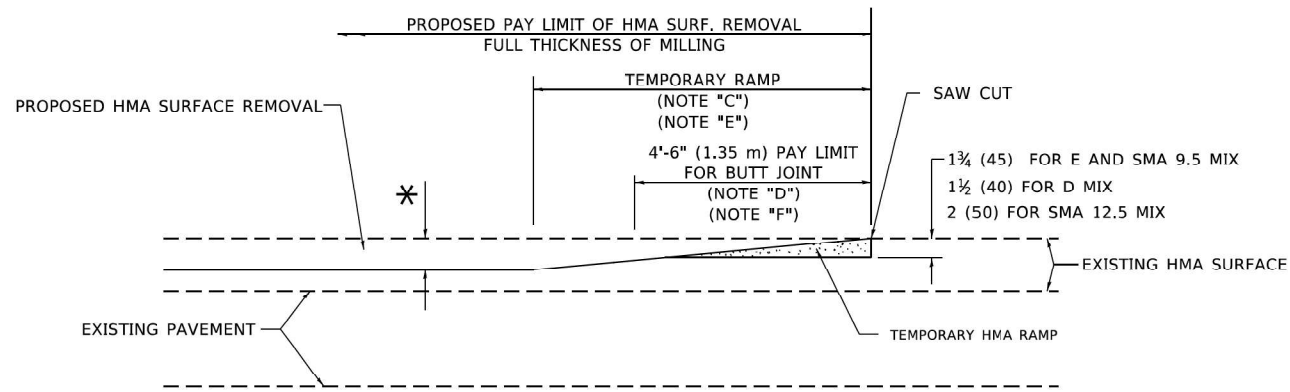
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			550	354
BD400-04 (BD-22)			CONTRACT NO.62R25	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

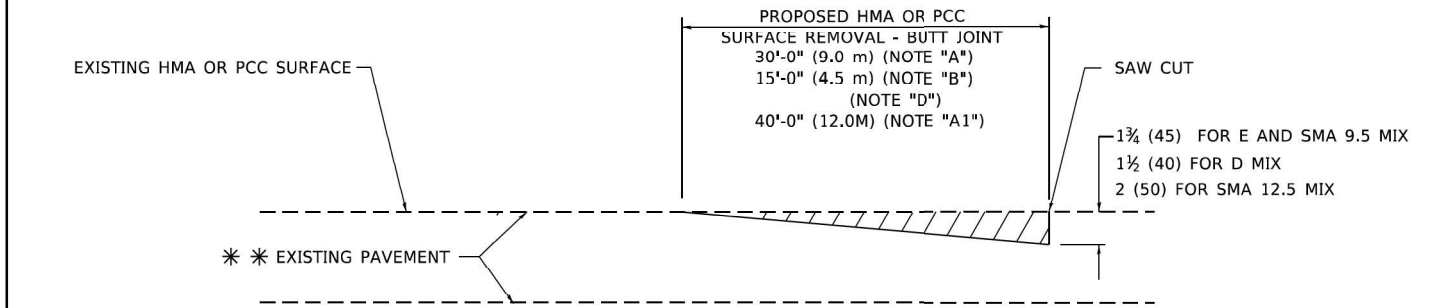
OPTION 1



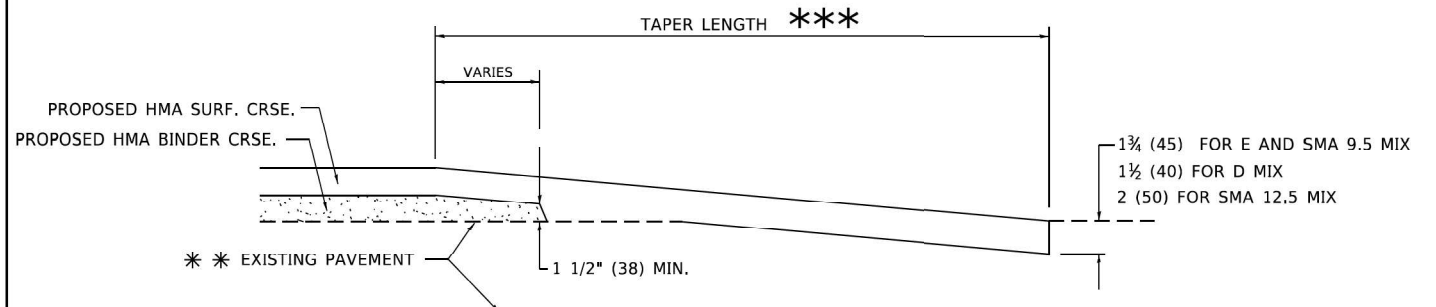
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

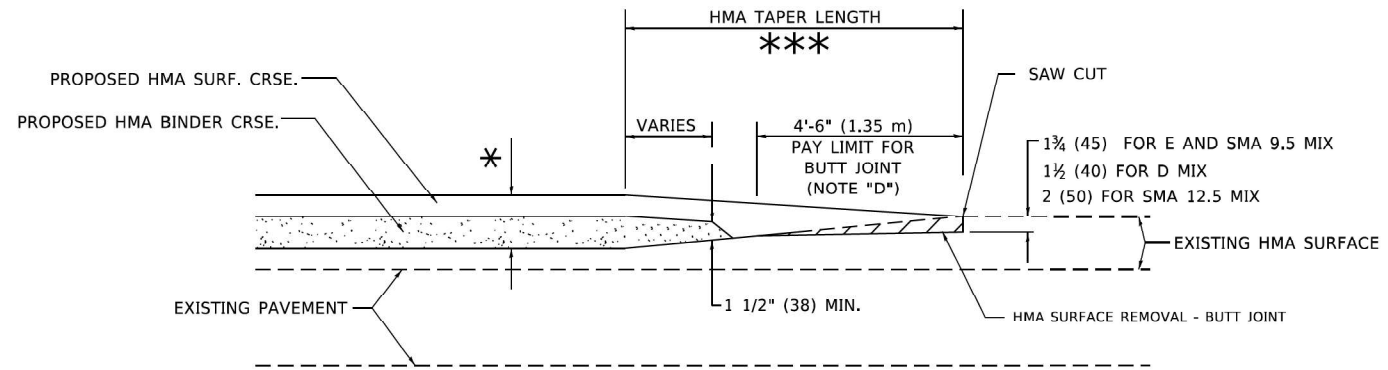
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
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USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE SHEET 2 OF 18 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			550	355
BD400-05 BD-32		CONTRACT NO.62R25		
ILLINOIS FED. AID PROJECT				

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

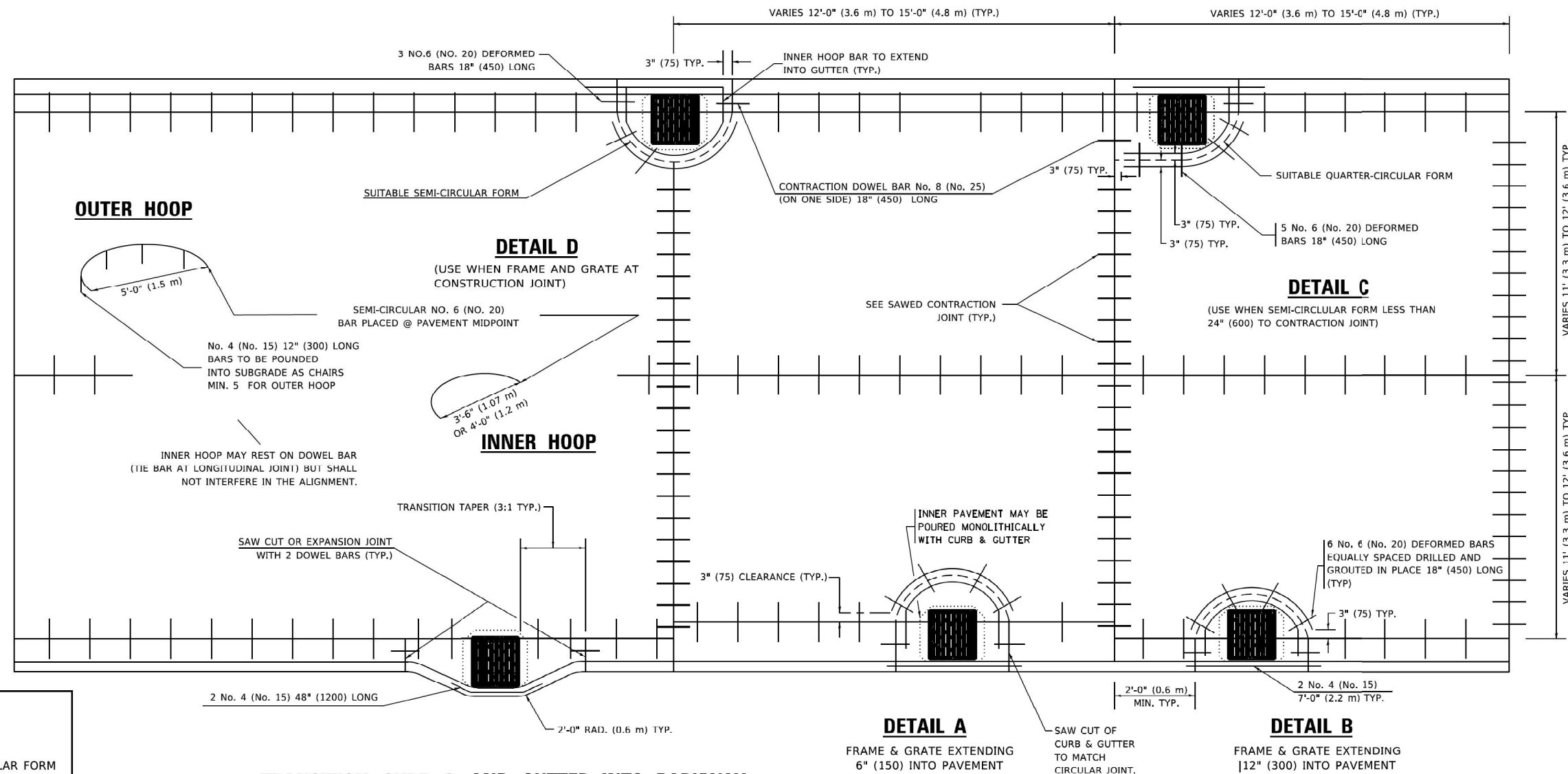
GENERAL NOTES

1. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
2. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
3. ALL REINFORCED BARS SHALL BE EPOXY COATED.
4. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
5. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
6. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
7. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
8. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.

BASIS OF PAYMENT

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.

DESIGNER NOTE
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"



**TRANSITION CURB & AND GUTTER INTO PARKWAY
(PREFERRED BECAUSE PAVING OF MAINLINE NOT AFFECTED.)**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

LEGEND	
.....	CASTING
-----	SUITABLE SEMI-CIRCULAR FORM

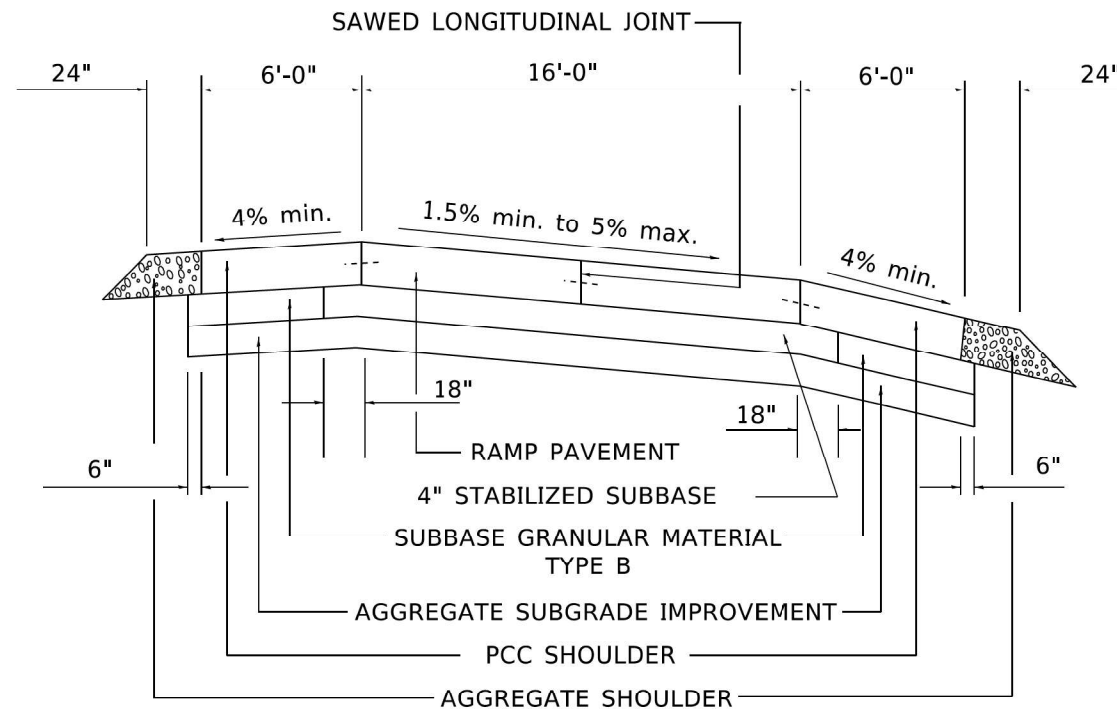
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	DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 04-25-02
PLOT SCALE = 100.0000' / in.	CHECKED - A. ABBAS	REVISED - P. LAFLEUR 08-27-02
PLOT DATE = 11/18/2022	DATE - 01-04-99	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

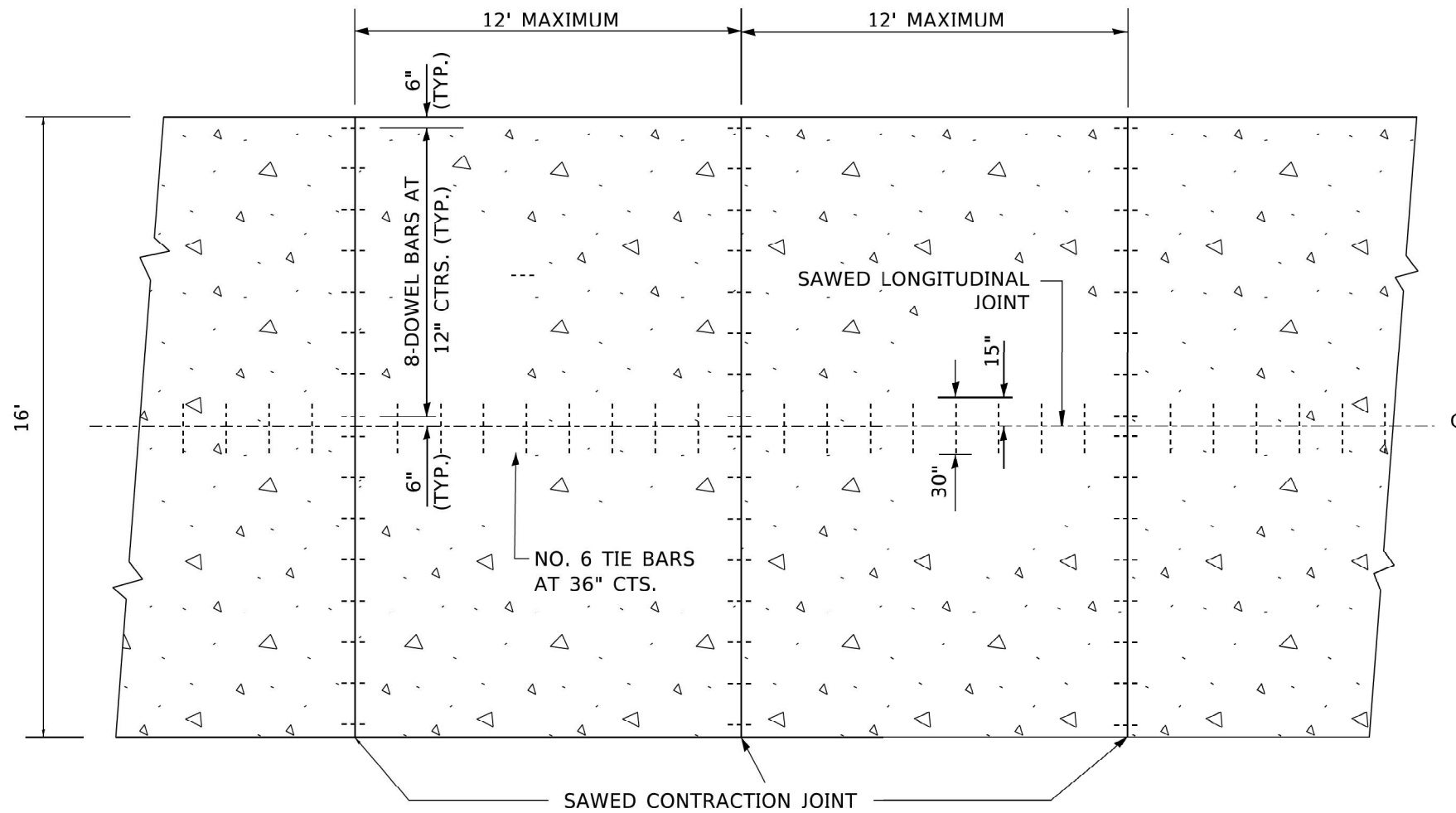
PCC PAVEMENT ROUNDOUTS AT
CURB AND GUTTER

SCALE: NONE SHEET 3 OF 18 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO.62R25	



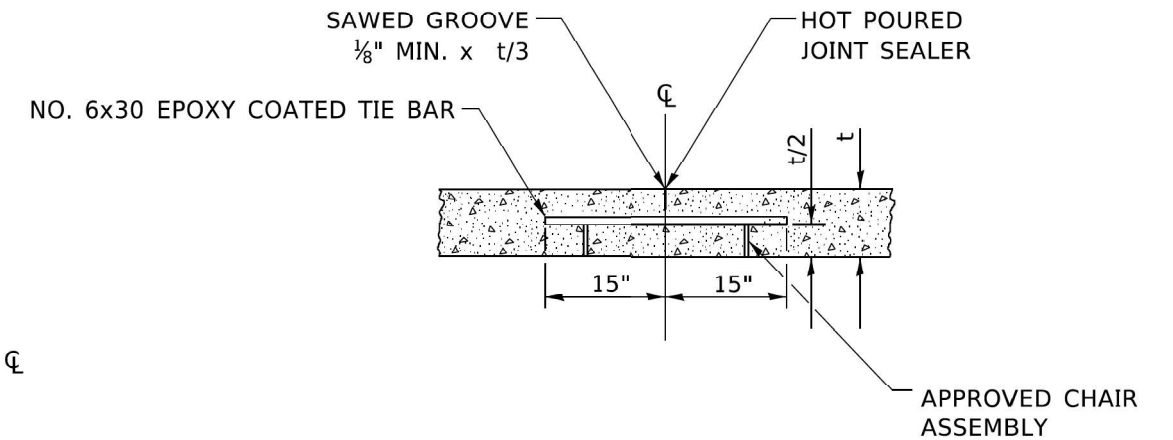
SECTION



PLAN

NOTES:

1. CENTERLINE JOINT REMAINS IN THE CENTER WHEN RAMP TRANSITIONS TO TWO (2) RAMPS AT 12'.
2. ALL BARS TO BE EPOXY COATED.



SAWED LONGITUDINAL JOINT

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

MODEL: Default
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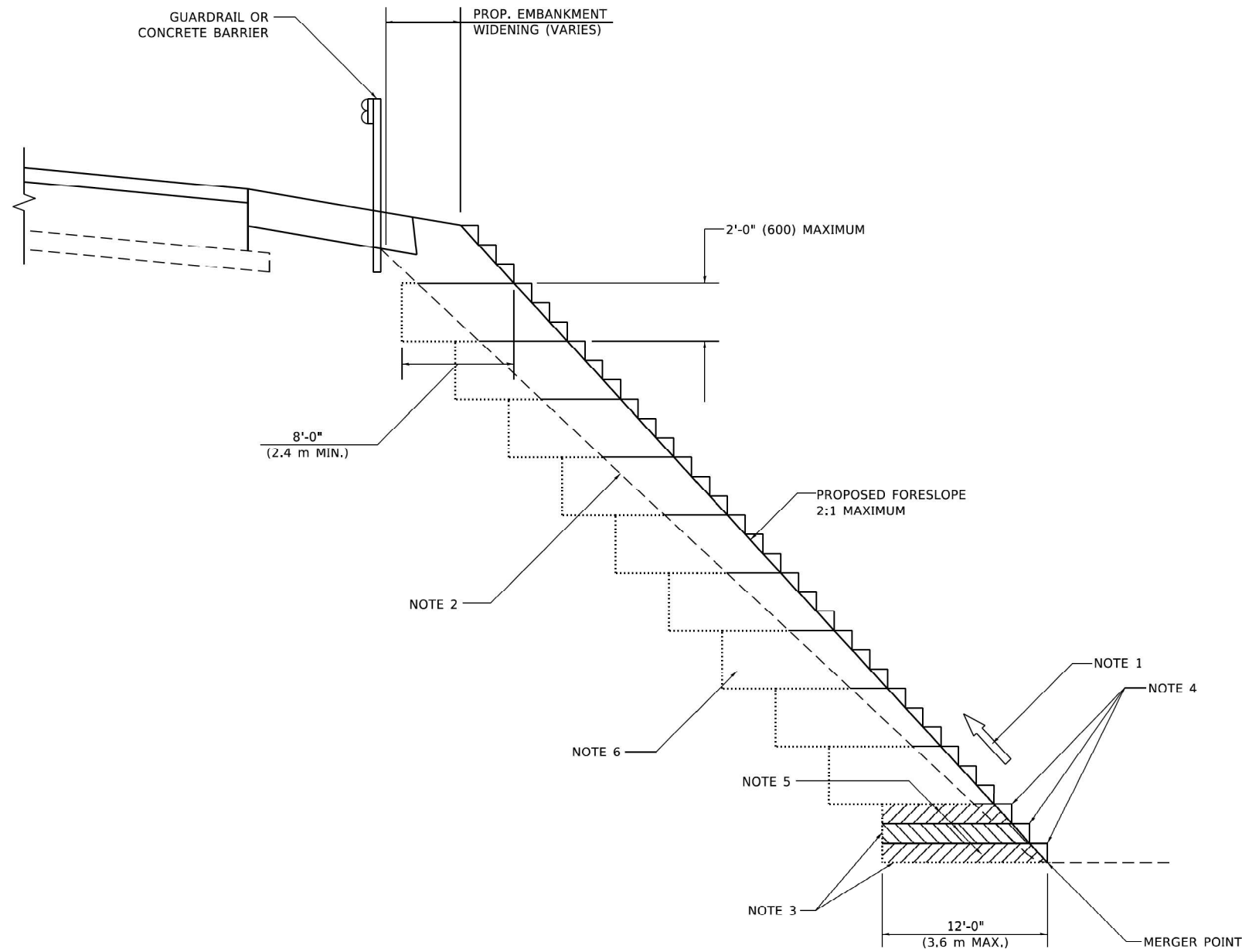
USER NAME = Lawrence.DeManche	DESIGNED -	REVISED - TOM MATOUSEK 08/19/10
	DRAWN - TOM MATOUSEK	REVISED - K. SMITH 11-18-22
PLOT SCALE = 100.0000' / in.	CHECKED - A. ABBAS	REVISED -
PLOT DATE = 11/18/2022	DATE - 10-18-02	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL FOR CENTERLINE SAW CUT 16' AND
VARIABLE JOINTED PCC PAVEMENT FOR RAMPS**

SCALE: NONE SHEET 4 OF 18 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD-49		550	357
ILLINOIS FED. AID PROJECT			CONTRACT NO.62R25	



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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USER NAME = Lawrence.DeManche	DESIGNED -	REVISED - K. SMITH 11-18-22
	DRAWN - CADD	REVISED -
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PLOT DATE = 11/18/2022	DATE - 06-16-04	REVISED -

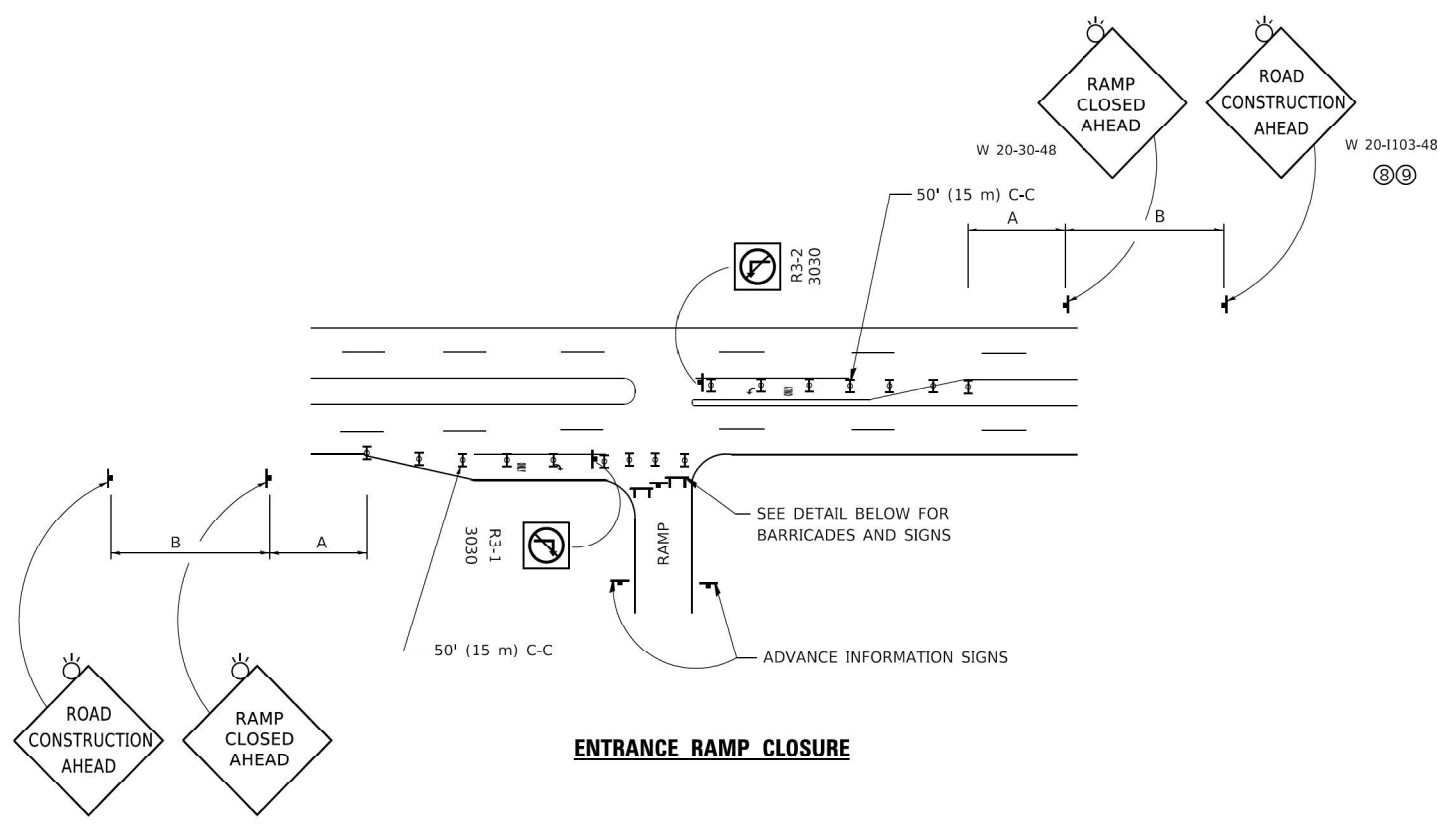
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

SCALE: NONE SHEET 5 OF 18 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			550	358
BD-51			CONTRACT NO.62R25	
ILLINOIS FED. AID PROJECT				

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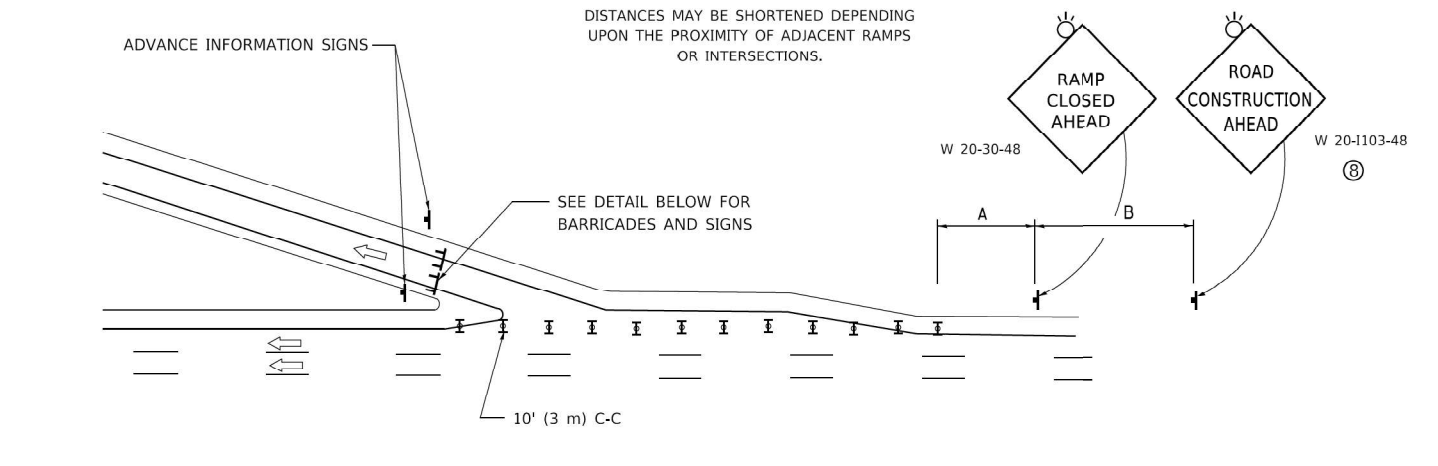


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

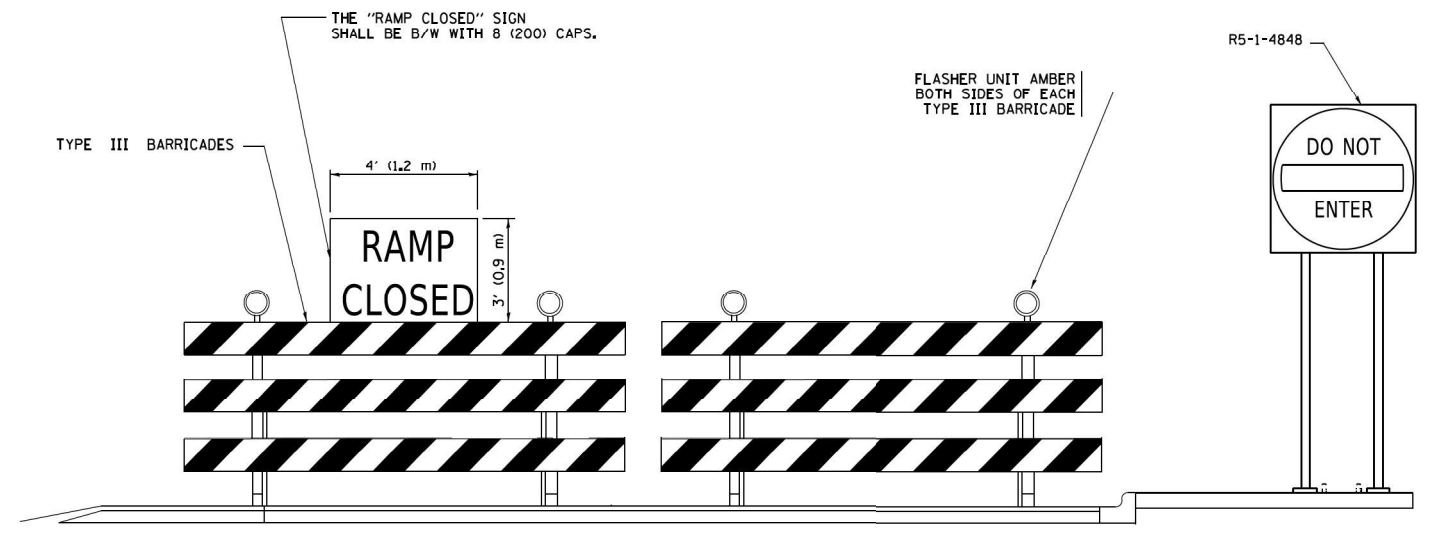
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



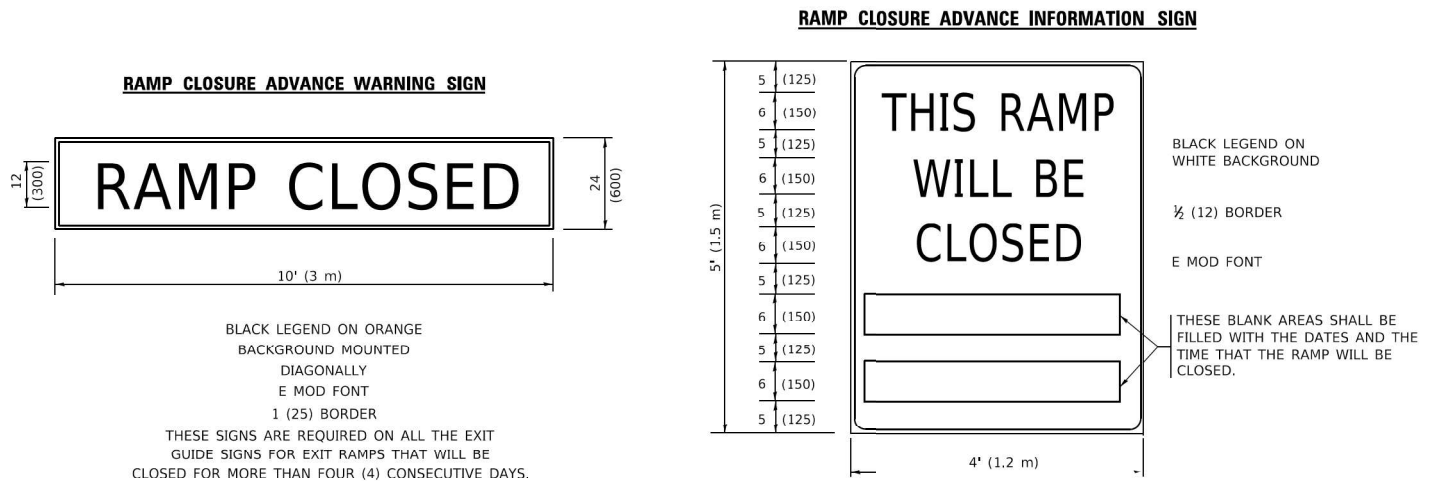
EXIT RAMP CLOSURE

SYMBOLS

- TYPE II BARRICADE OR DRUM
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
 THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B._01-07
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED - S.P.B._12-09
PLOT DATE = 3/4/2019	CHECKED -	REVISED - M.D._06-13
	DATE - 02-83	REVISED - M.D._01-18

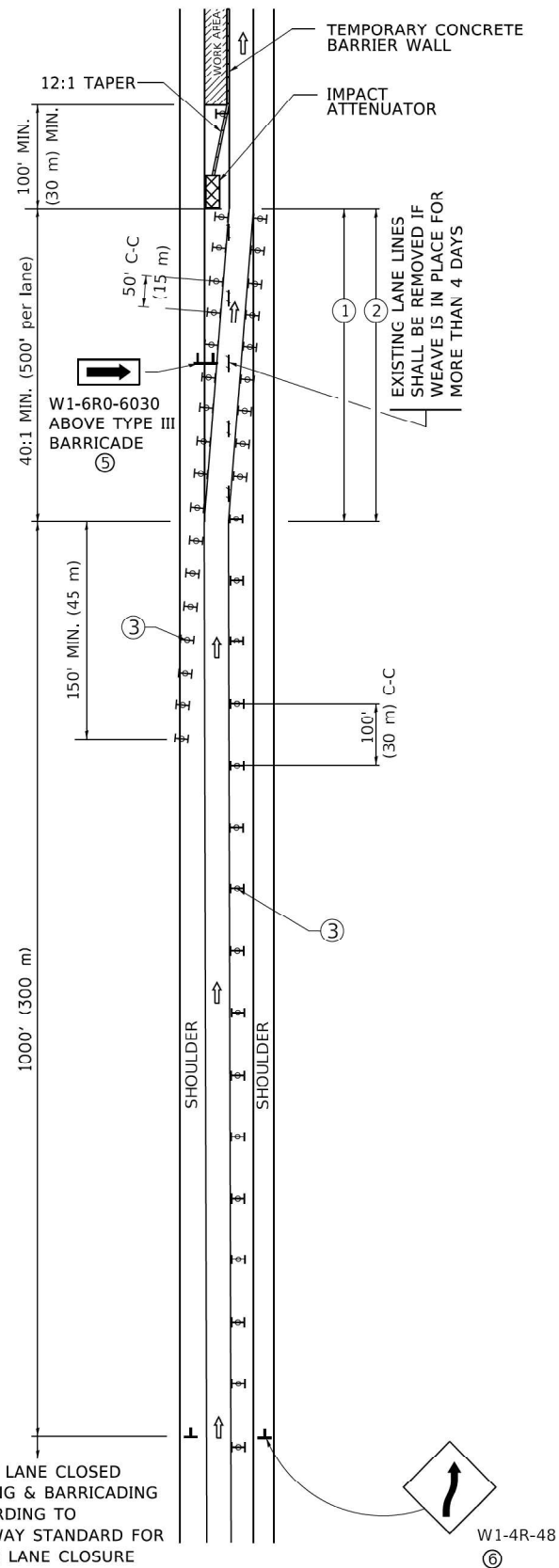
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

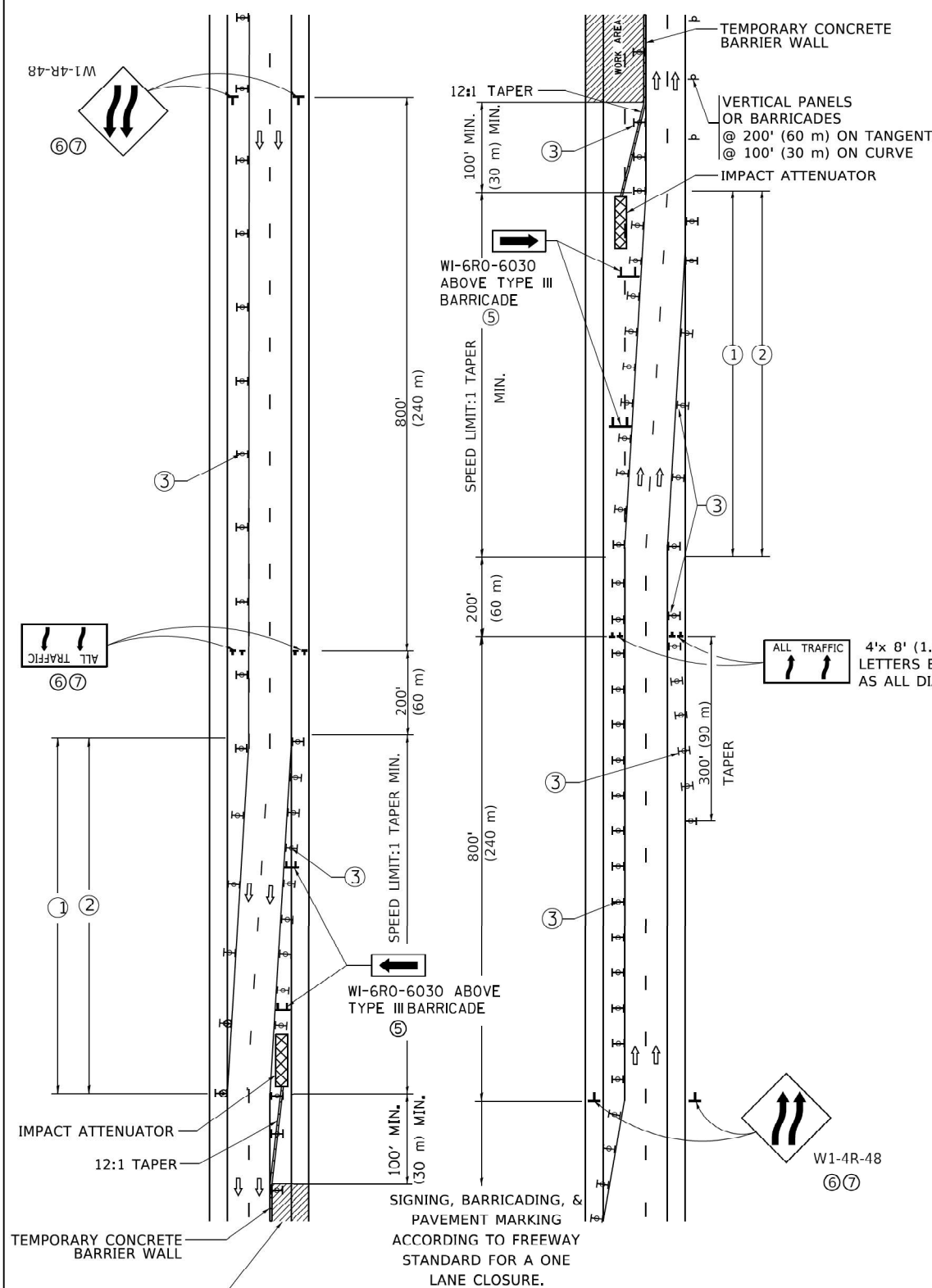
SCALE: NONE SHEET 6 OF 18 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-08		550	359
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R25	

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES:

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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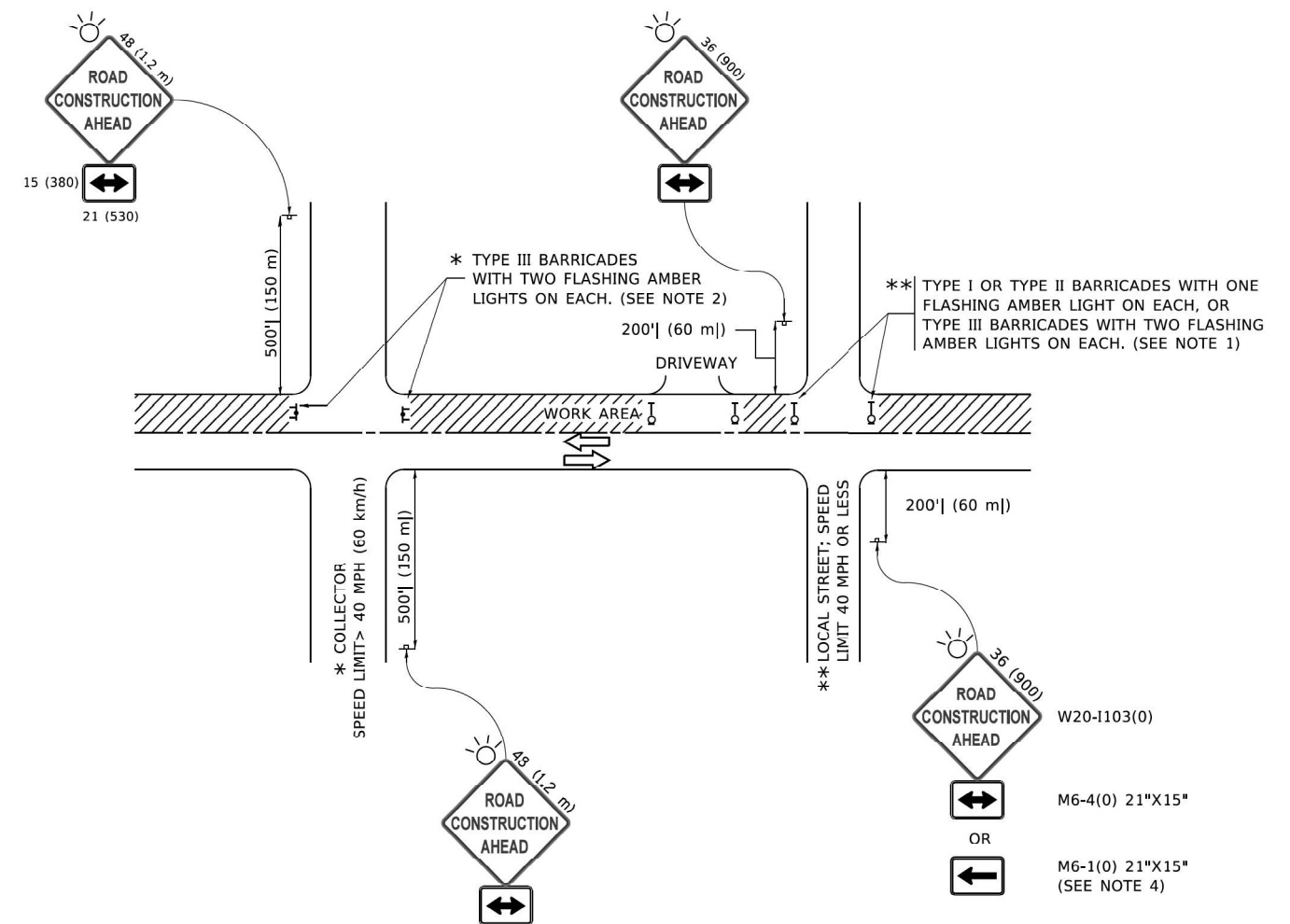
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - M.D. 06-13
	DATE - 02-87	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
 FREEWAY SINGLE & MULTI-LANE WEAVE

SCALE: NONE SHEET 7 OF 18 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-09		550	360
ILLINOIS FED. AID PROJECT			CONTRACT NO.62R25	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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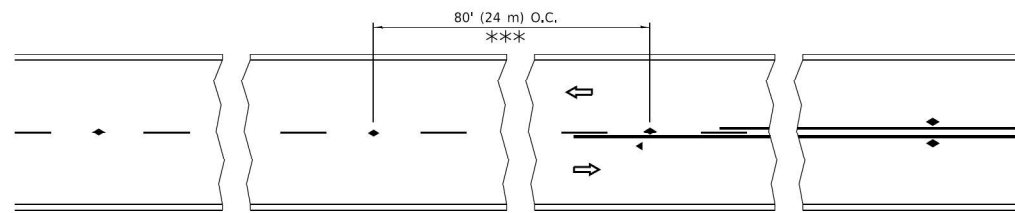
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PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

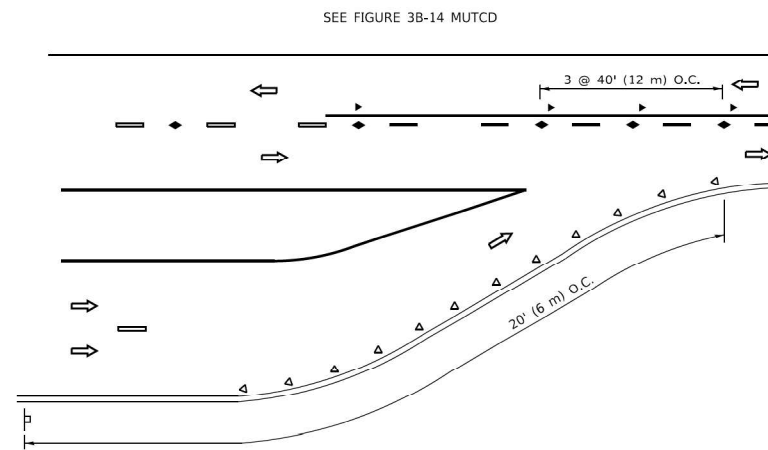
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO.62R25	
ILLINOIS FED. AID PROJECT				

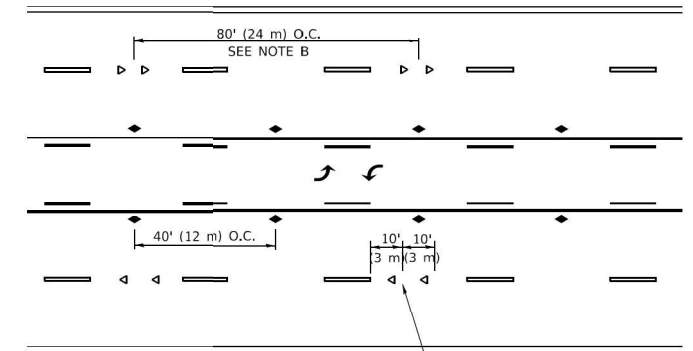


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

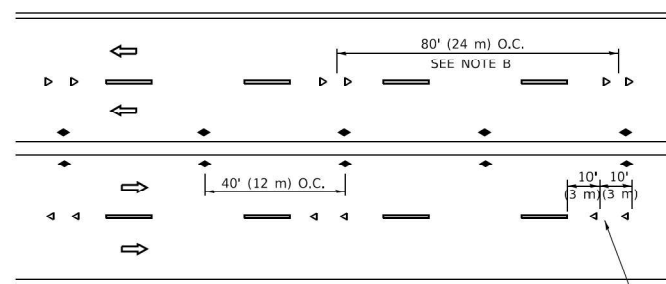
TWO-LANE/TWO-WAY



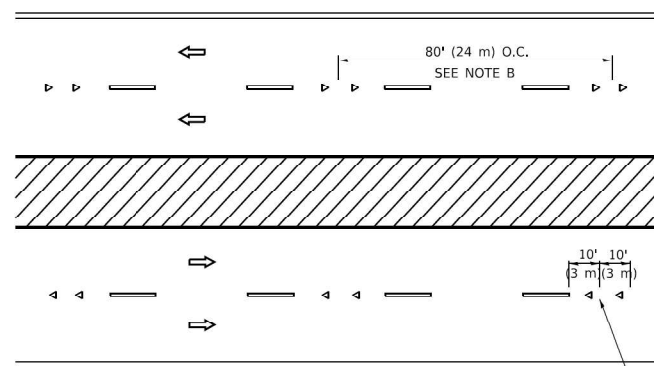
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

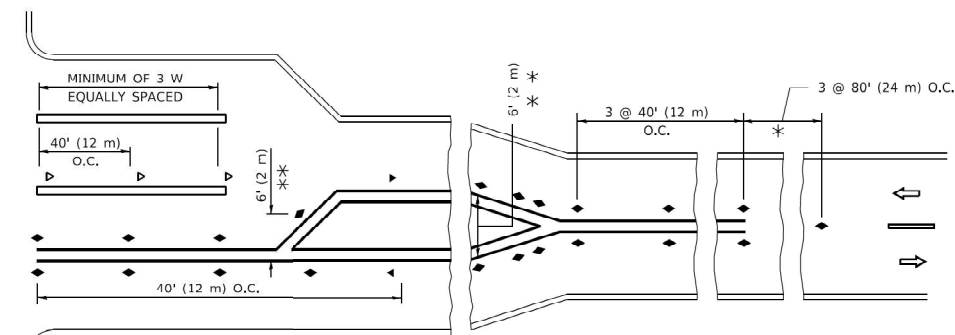
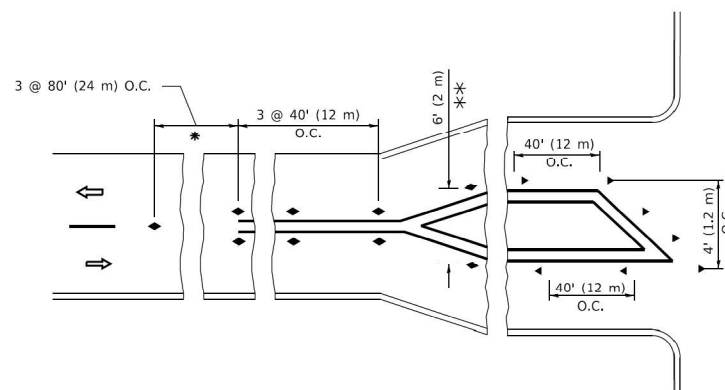
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 *** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

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

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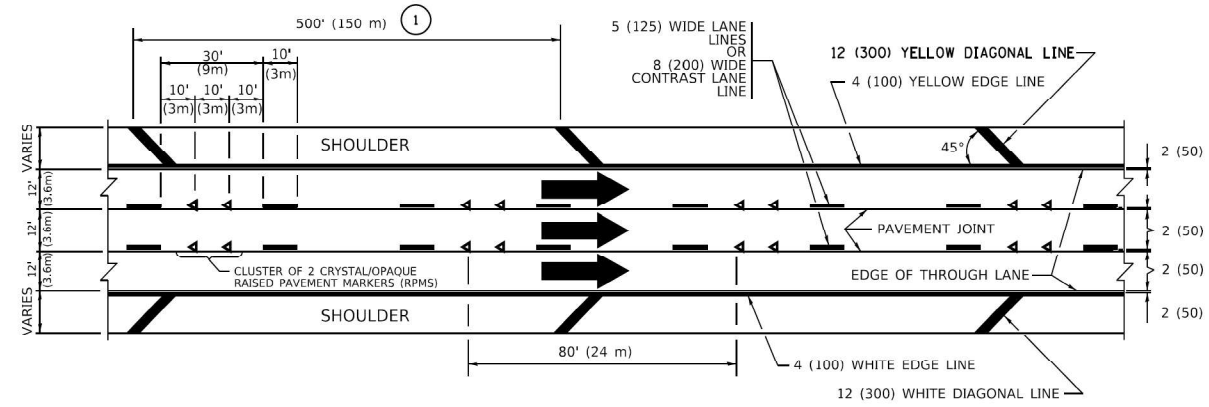
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 9 OF 18 SHEETS STA. TO STA.

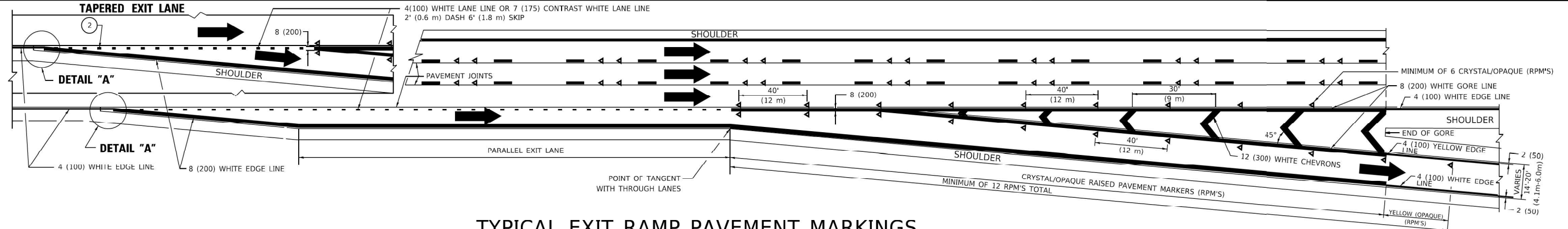
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			550	362
TC-11			CONTRACT NO.62R25	
ILLINOIS FED. AID PROJECT				



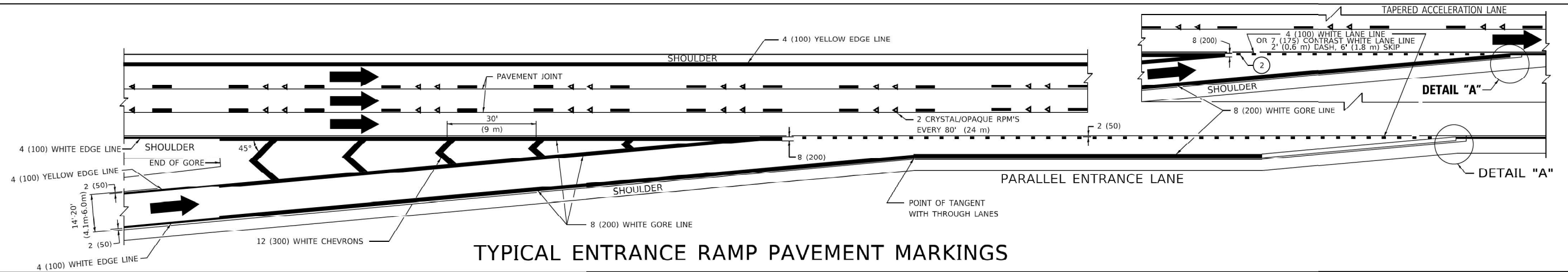
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

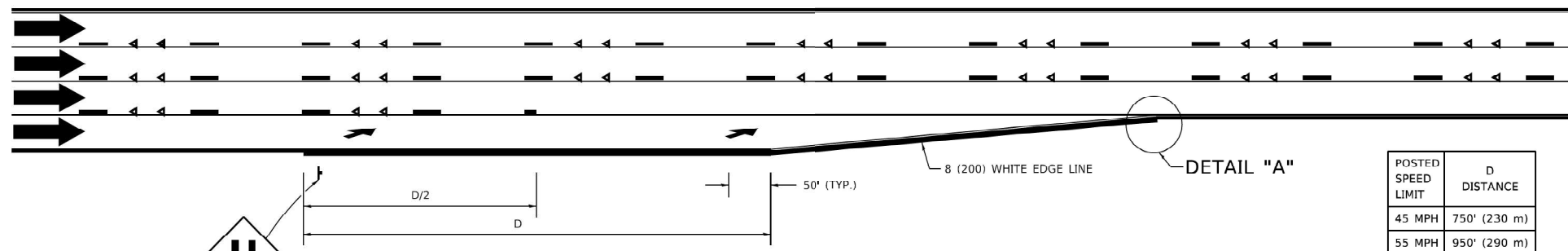
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



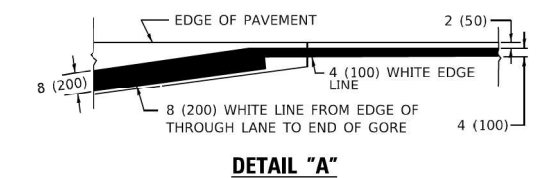
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS



NOTES:

1. THE DIAGONAL LINES SHALL BE SPACED AT 40' (12.2m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (152.4m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8m) OR LESS IN WIDTH.
2. 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

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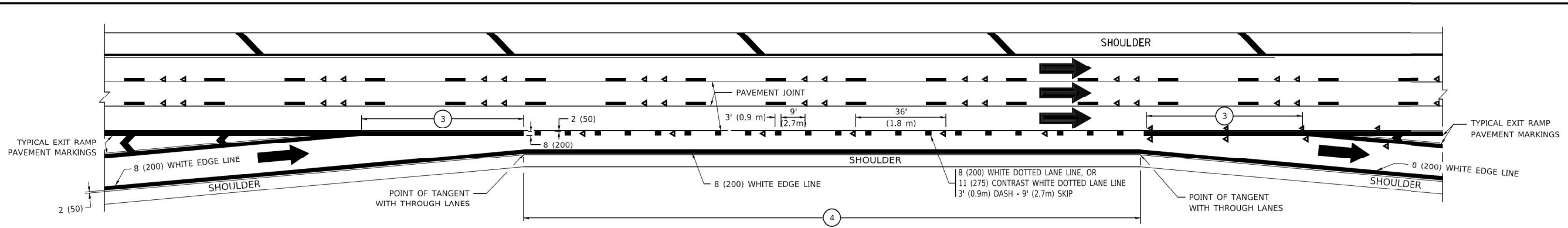
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PLOT DATE = 11/18/2022	DATE - 01-90	REVISED - M.D. 09-17
		REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

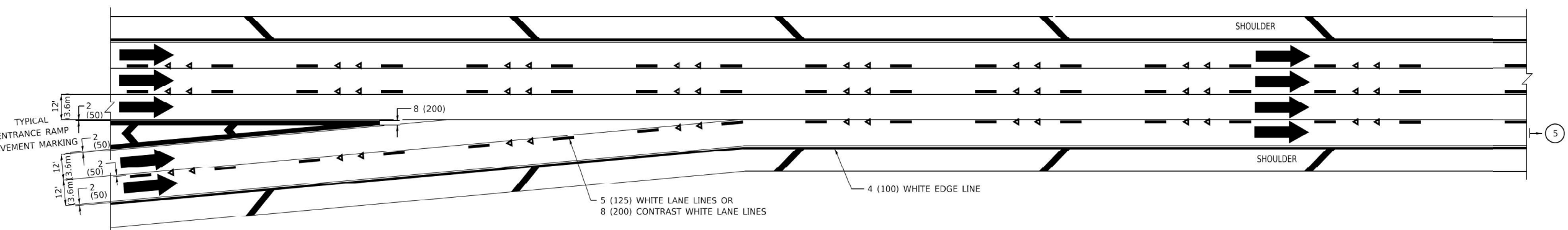
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

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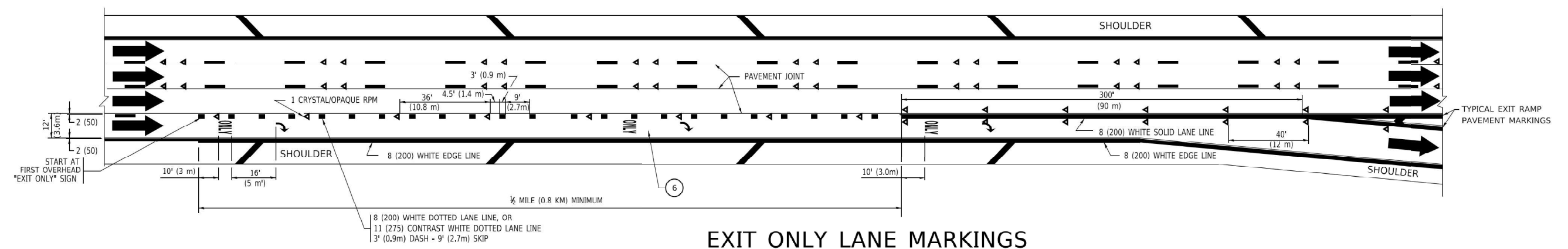
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-12		550	363
ILLINOIS FED. AID PROJECT			CONTRACT NO.62R25	



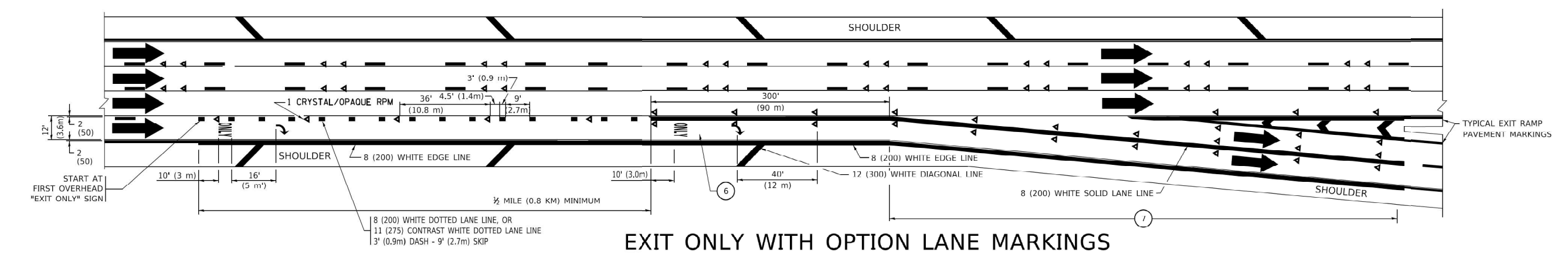
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

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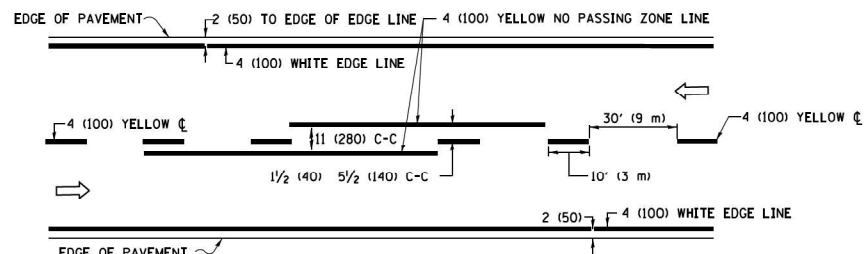
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

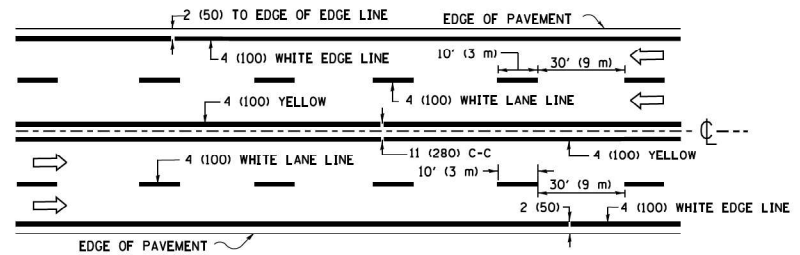
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

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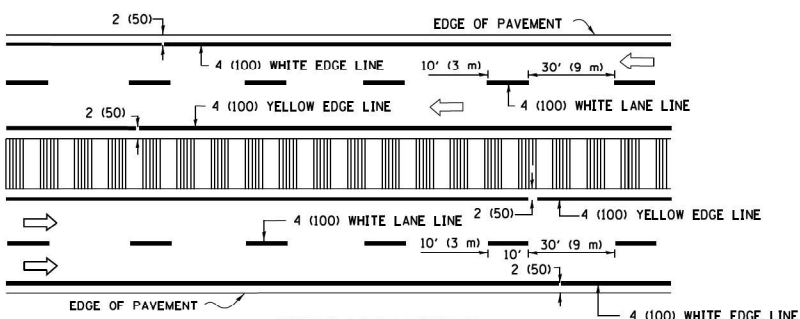
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-12		550	364
ILLINOIS FED. AID PROJECT			CONTRACT NO.62R25	



2-LANE ROADWAY

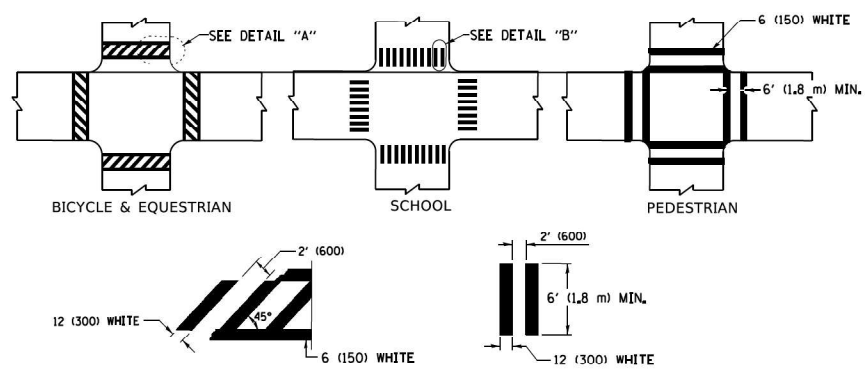


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

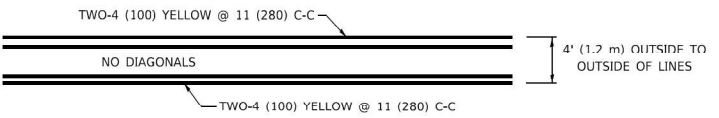


DETAIL "A"

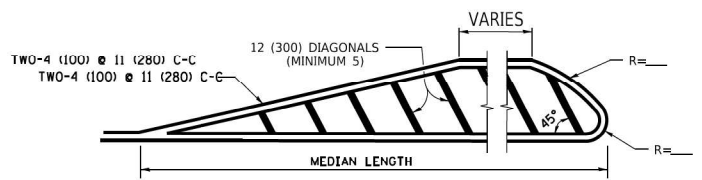
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

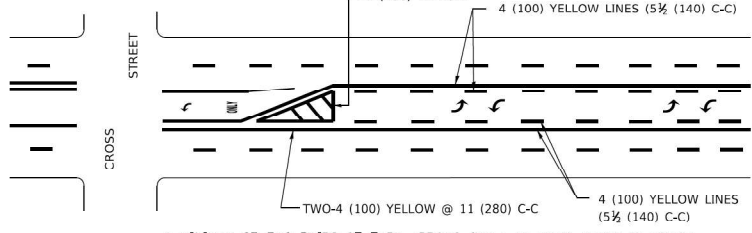


4' (1.2 m) WIDE MEDIANS ONLY



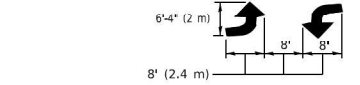
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

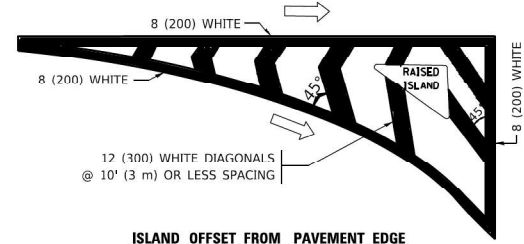
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



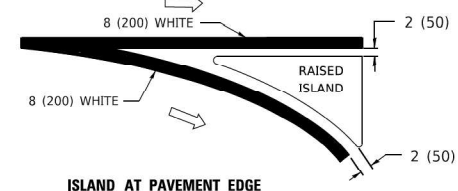
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

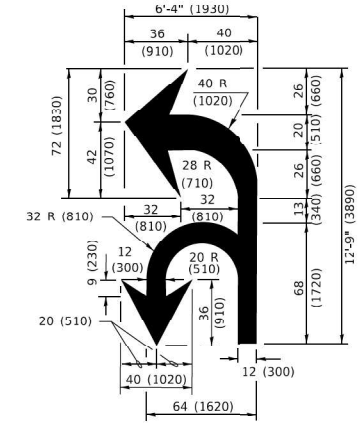


ISLAND OFFSET FROM PAVEMENT EDGE

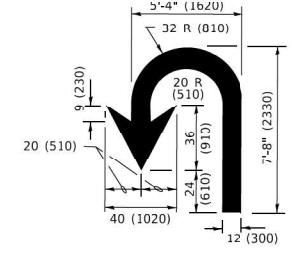


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 1 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 12	OF 18	SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13		550	365
ILLINOIS			CONTRACT NO.62R25	
FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

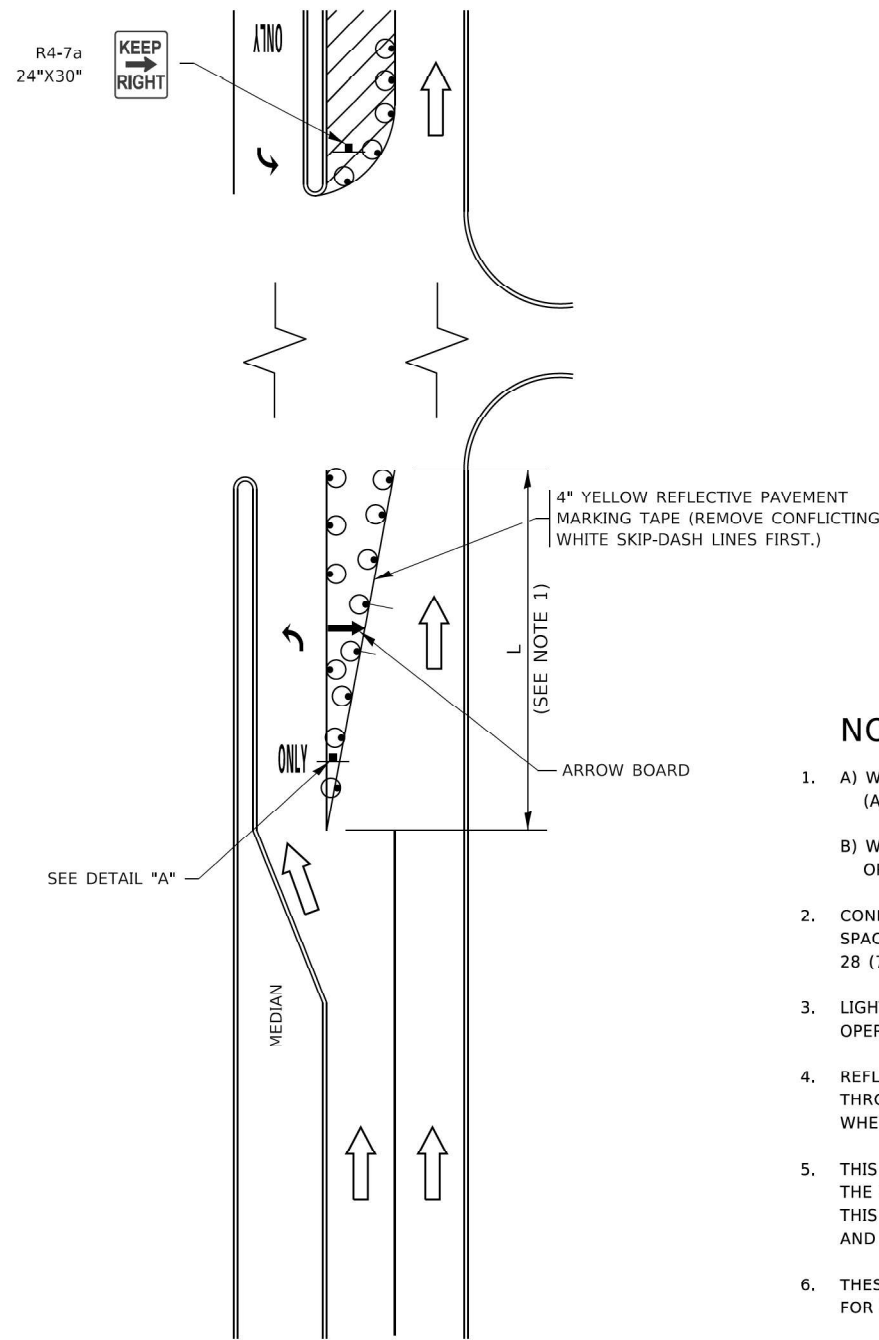


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

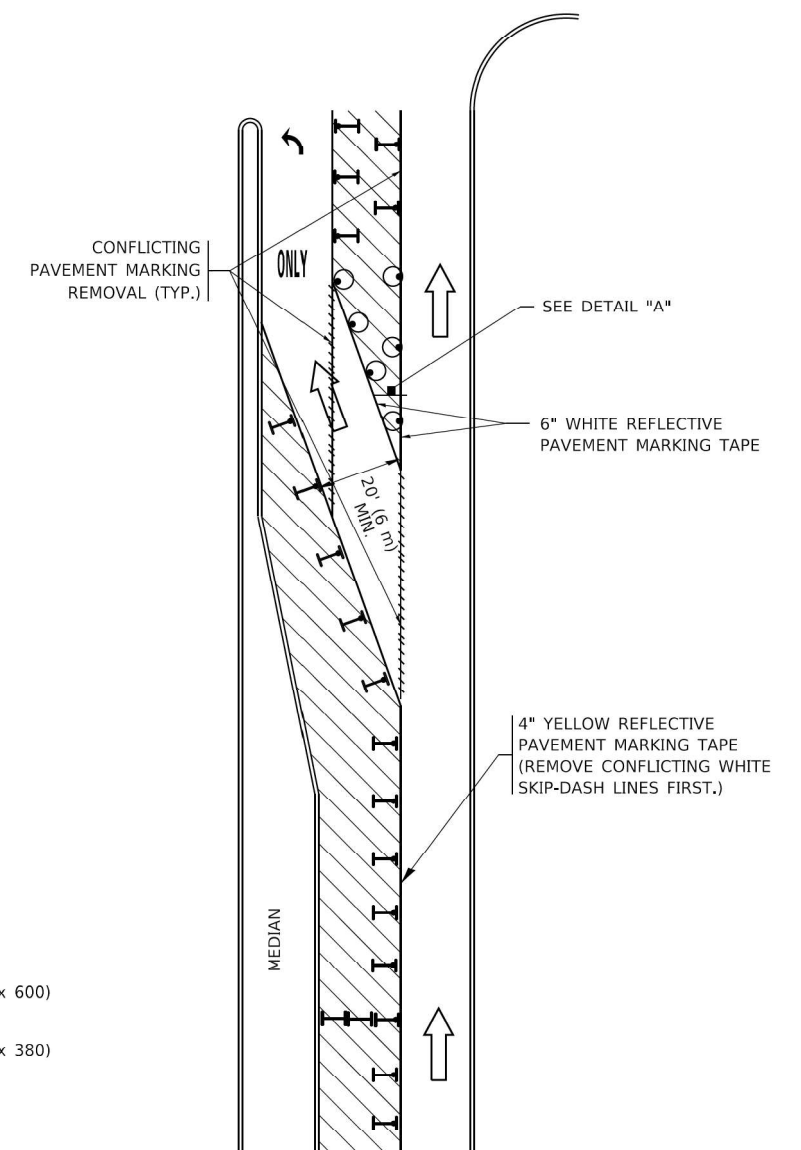


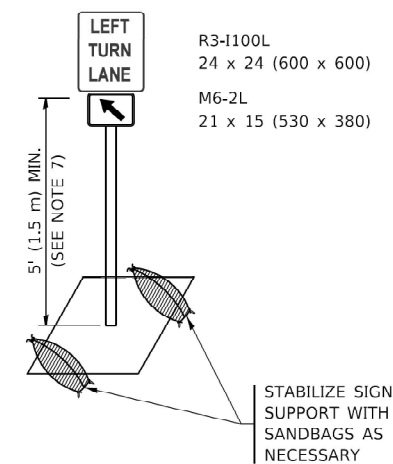
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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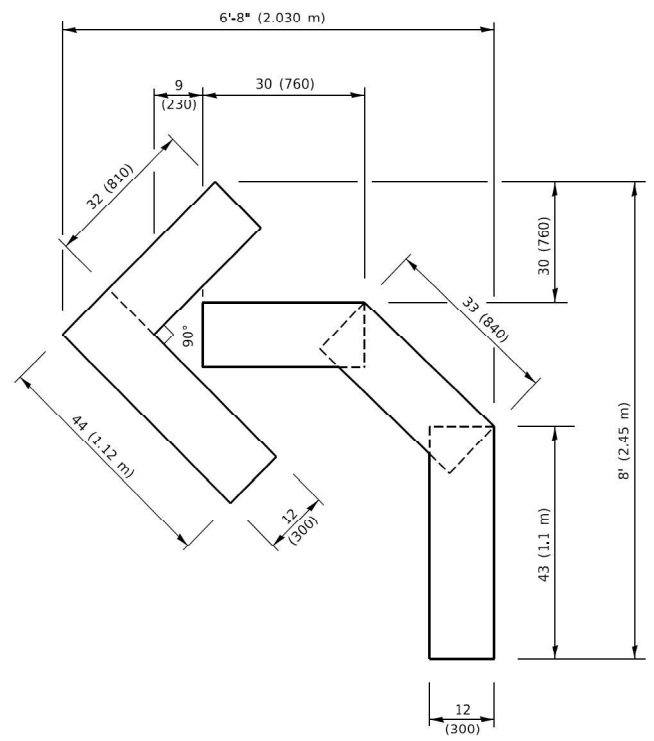
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PLOT DATE = 3/4/2019	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

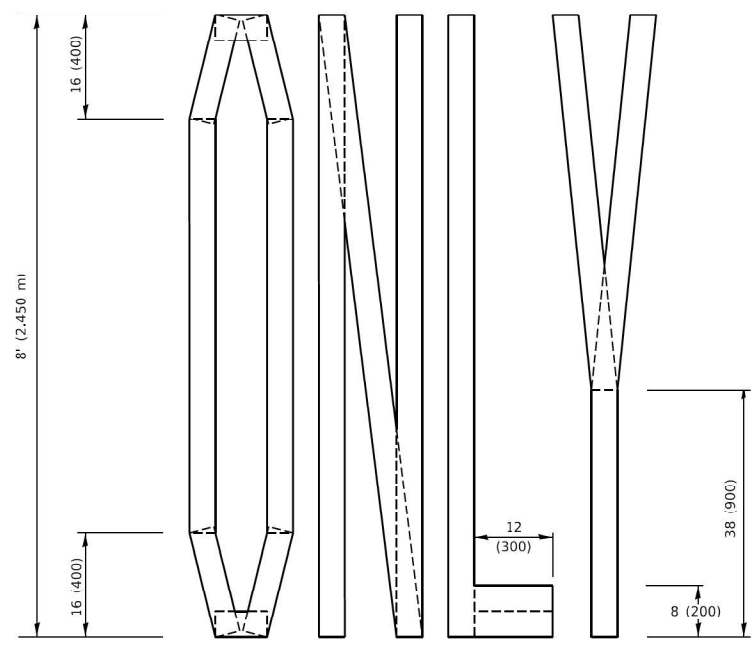
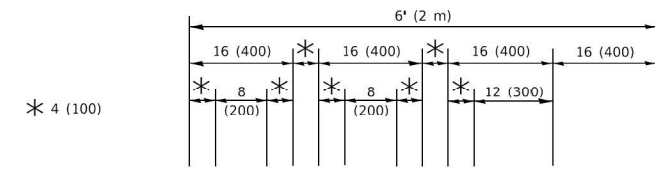
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE SHEET 13 OF 18 SHEETS STA. TO STA.

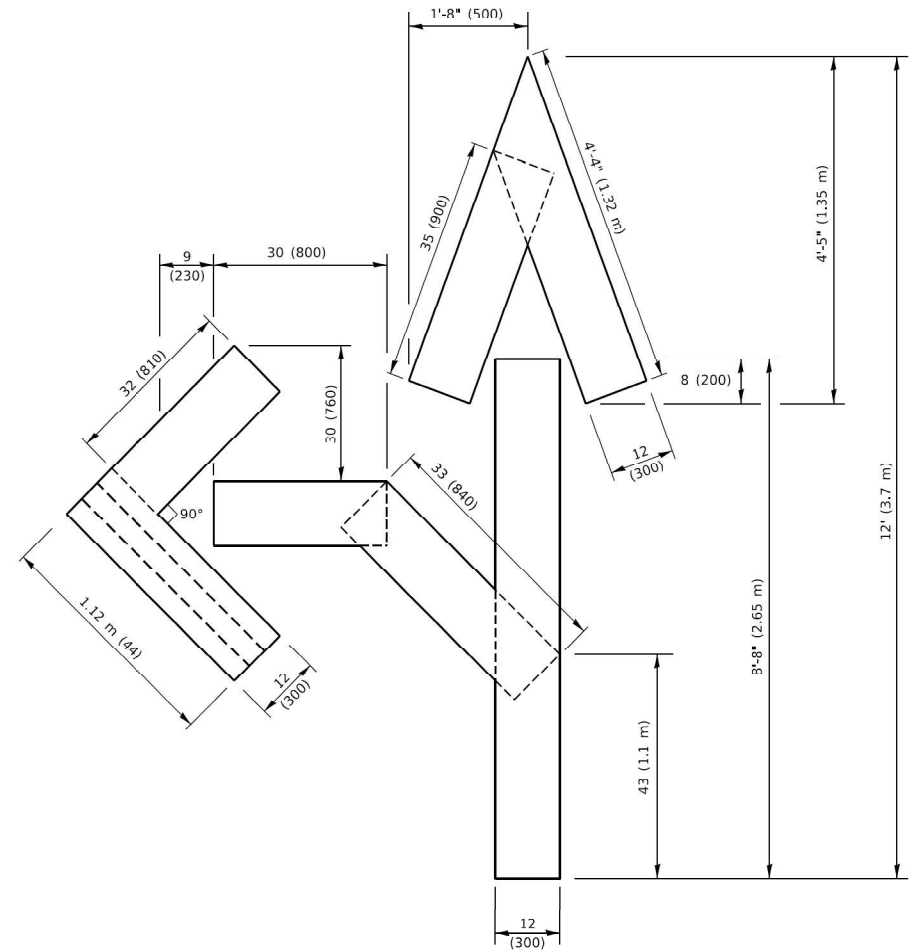
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14		550	366
			CONTRACT NO.62R25	
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

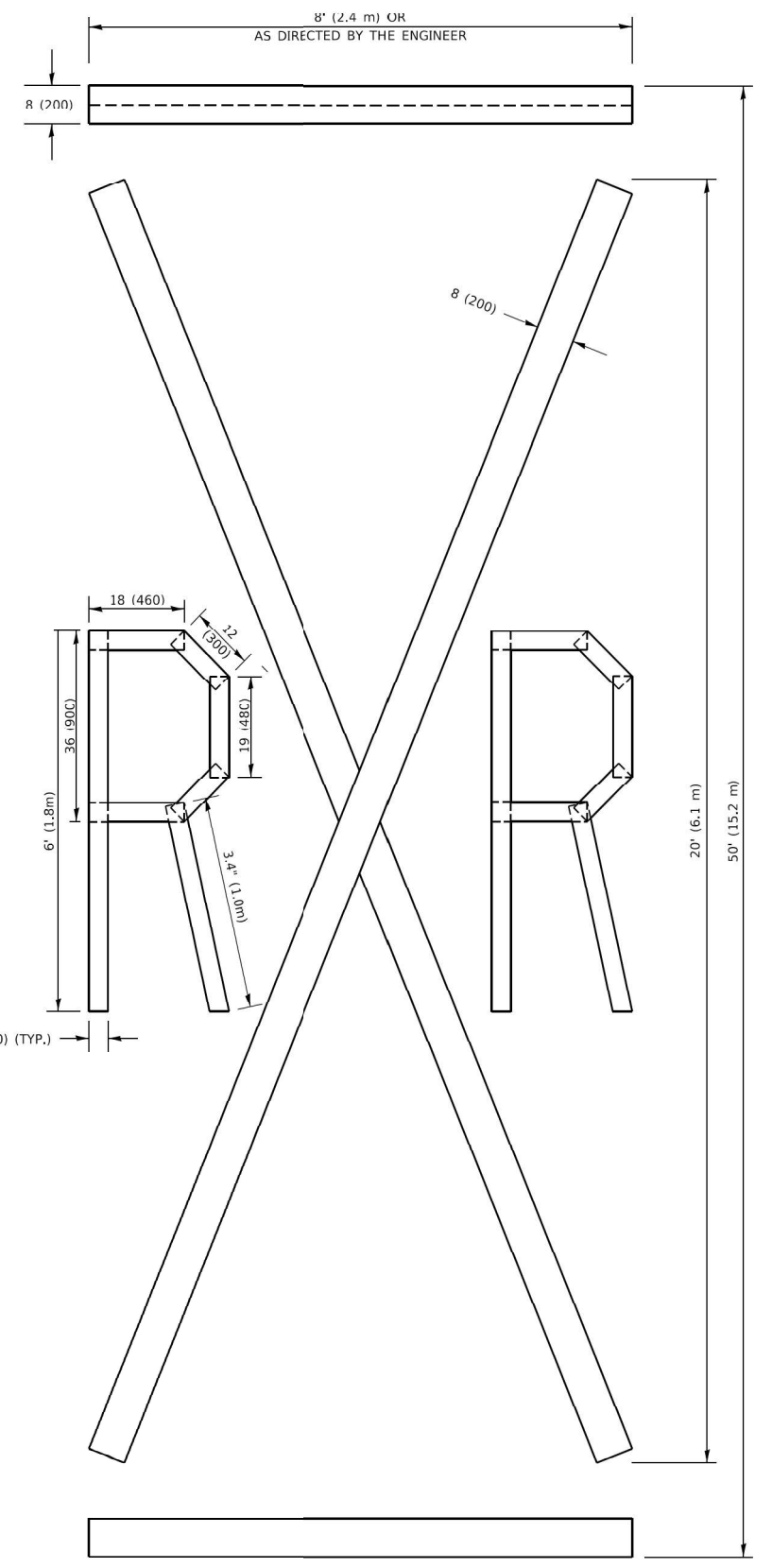


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

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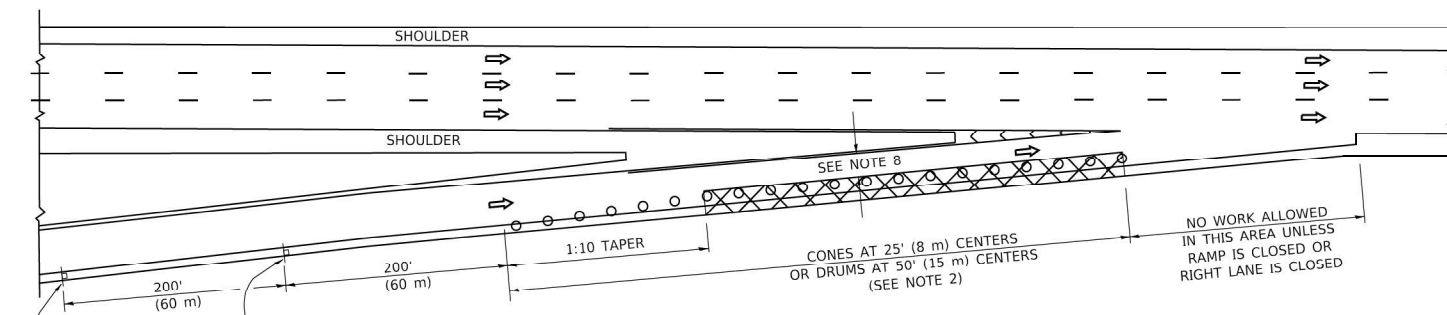
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

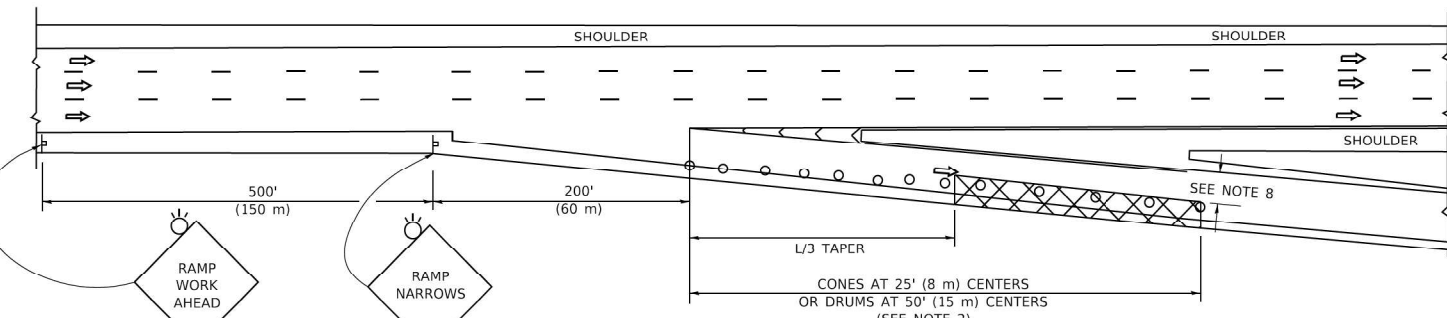
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
 SCALE: NONE SHEET 14 OF 18 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO.62R25	

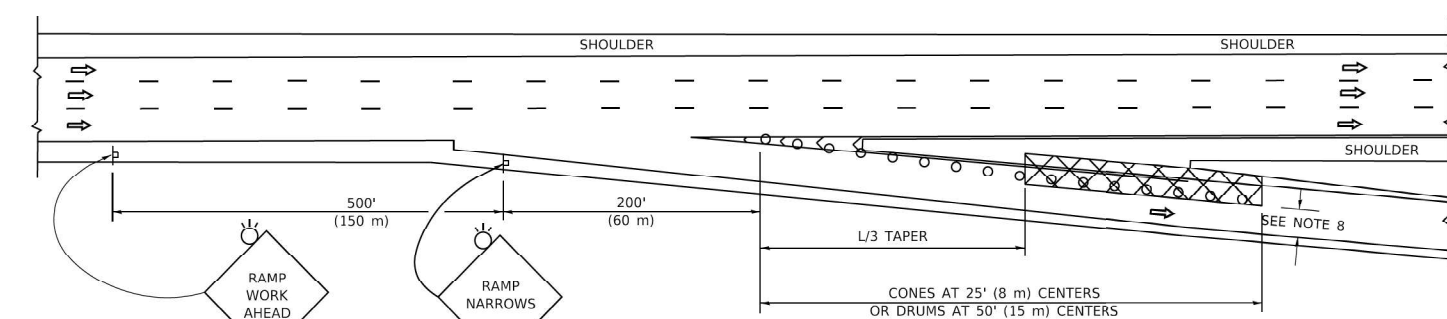
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

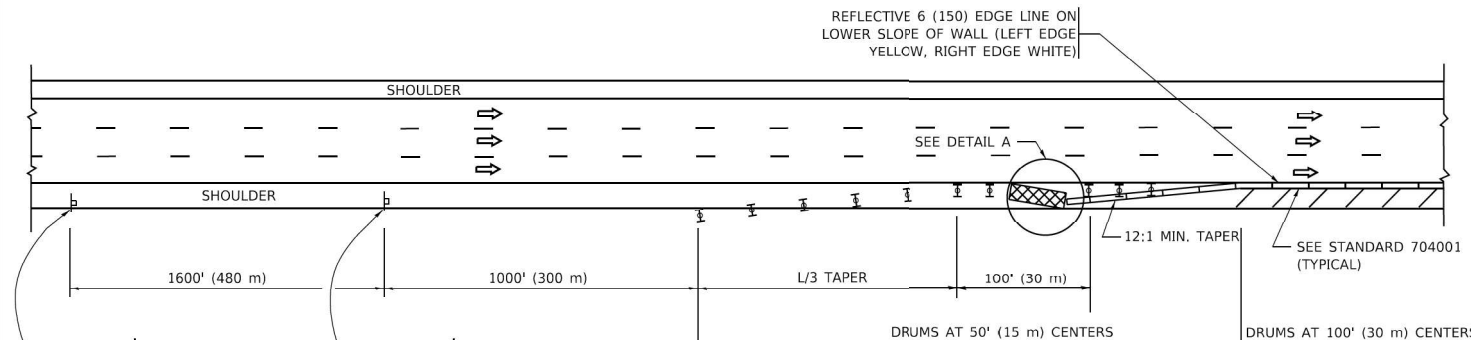
GENERAL NOTES:

1. THE "L" DISTANCE EQUALS:

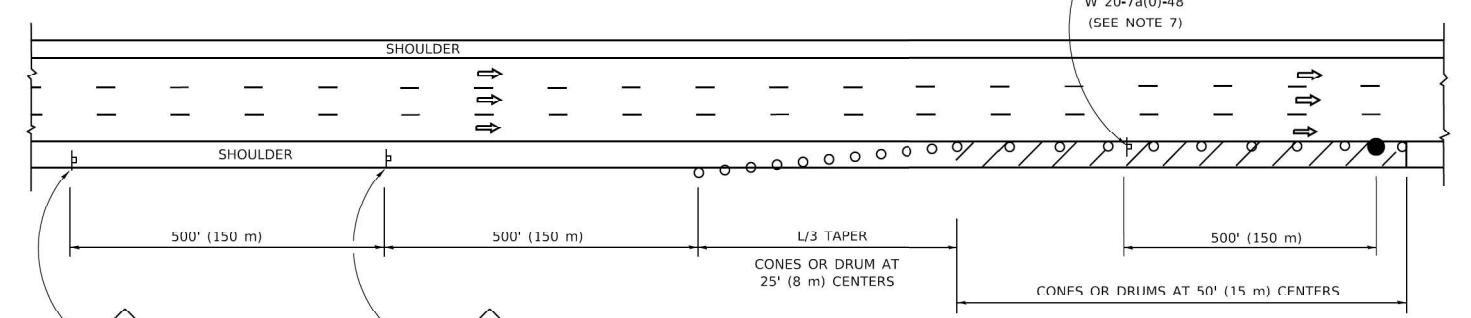
SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L = 0.65(W)(S)$ $L = (W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 - c. THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
FILE NAME: p:\s\1104818\BID\NCHRP350\Documents\DOT Office\Sheet\1104818\22-23\CADDraw\CADSheet\TC17.dwg

USER NAME = footemj	DESIGNED -	REVISED - S.P.B. 01-07
	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - M.D. 06-13
PLOT DATE = 3/4/2019	DATE - 11-96	REVISED - M.D. 01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

SCALE: NONE SHEET 15 OF 18 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			550	368
TC-17			CONTRACT NO.62R25	
ILLINOIS FED. AID PROJECT				

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ROUTE MARKERS

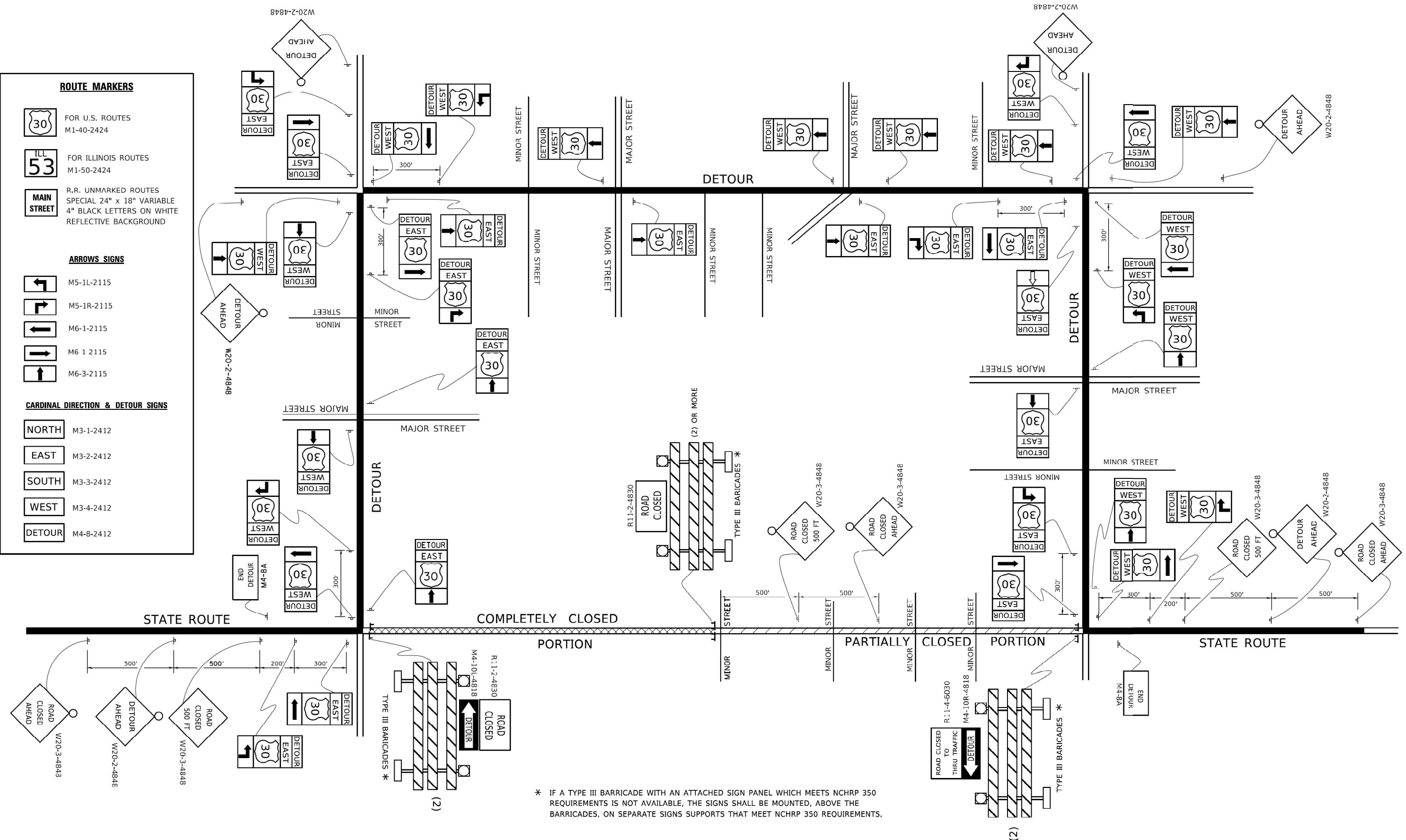
- FOR U.S. ROUTES
M1-40-2424
- FOR ILLINOIS ROUTES
M1-50-2424
- R.R., UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6 1 2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

- NORTH** M3-1-2412
- EAST** M3-2-2412
- SOUTH** M3-3-2412
- WEST** M3-4-2412
- DETOUR** M4-8-2412



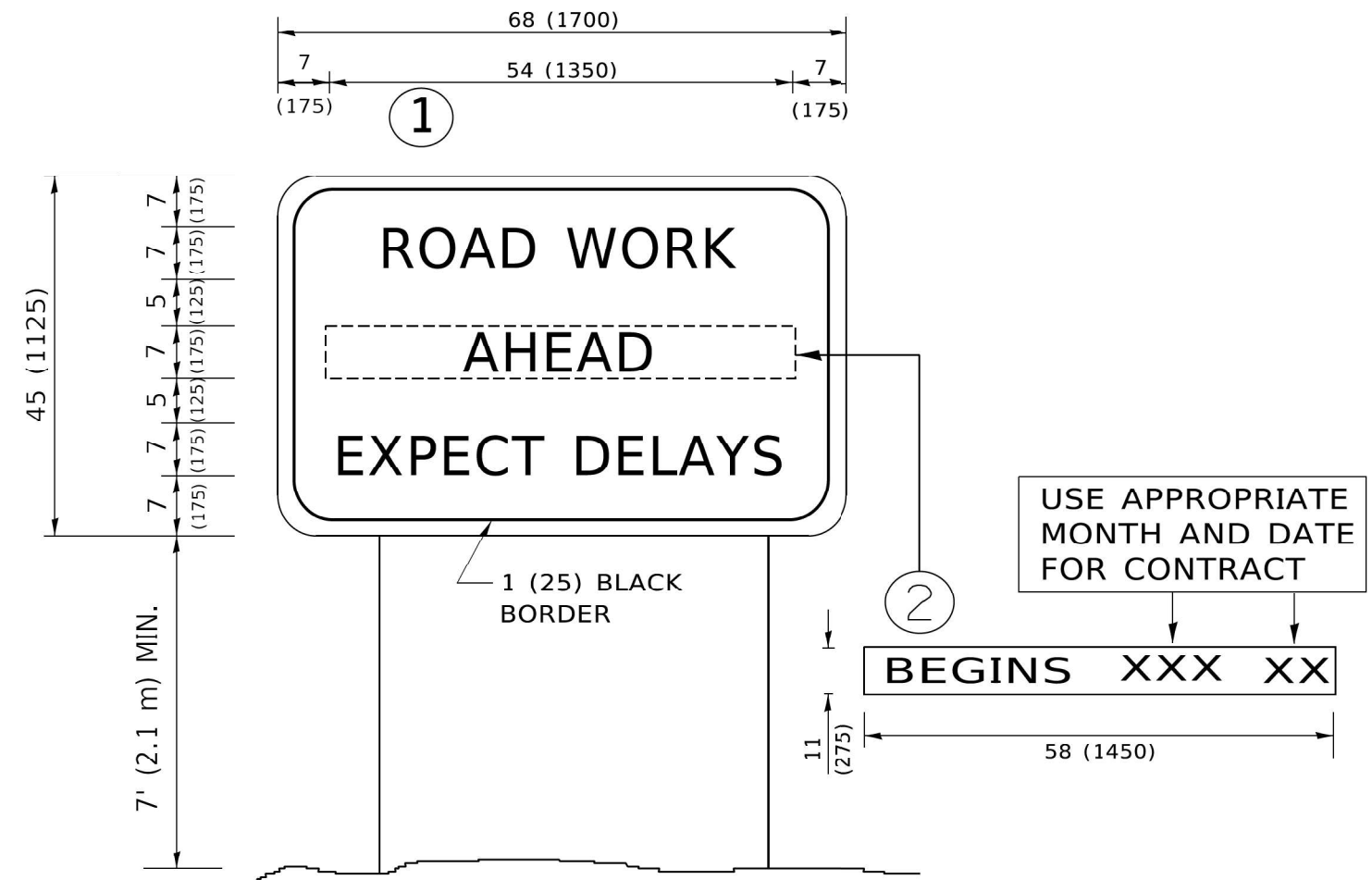
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - R. BORO 09-14-09
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET 16	OF 18	SHEETS STA.
			TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			550	369
TC-21		CONTRACT NO.62R25		
ILLINOIS		FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	DATE -	REVISED - C. JUCIUS 01-31-07

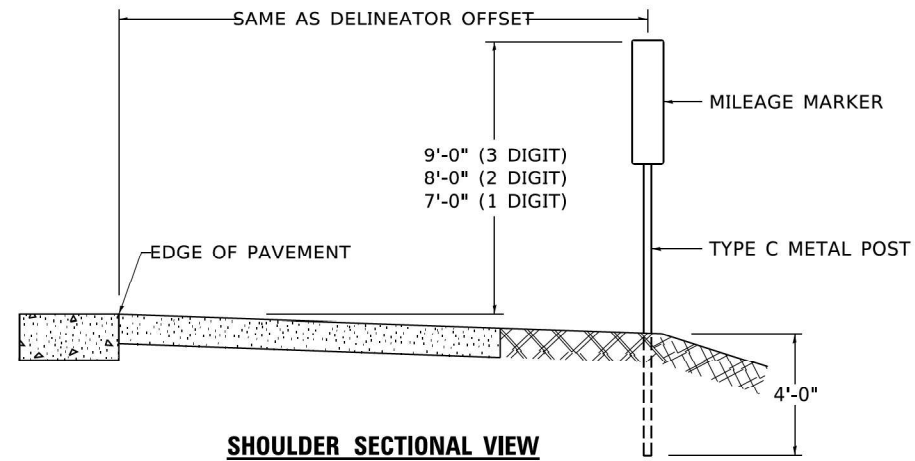
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

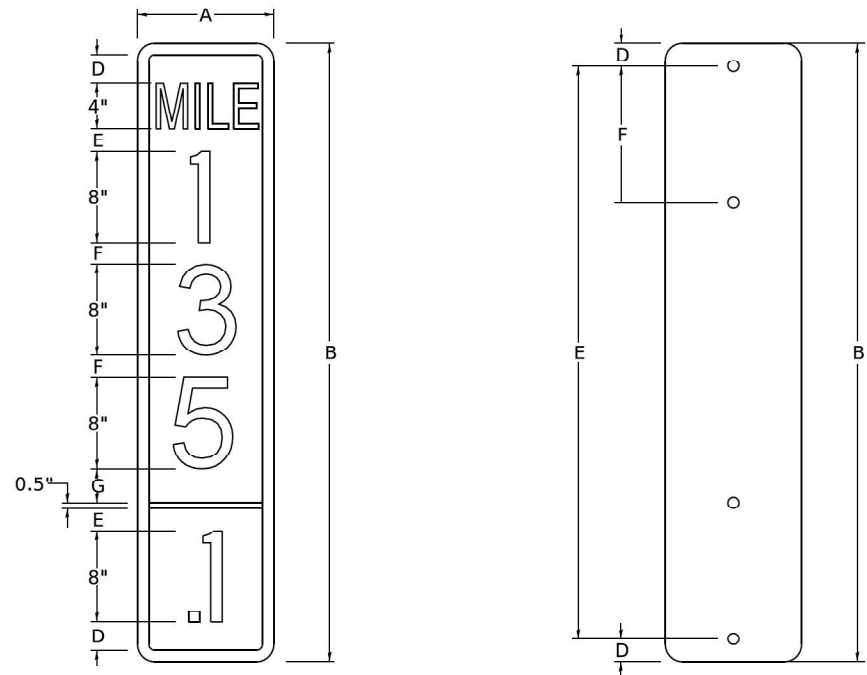
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			550	370
TC-22			CONTRACT NO.62R25	
ILLINOIS FED. AID PROJECT				

STANDARD DESIGN FOR MILE POST



SHOULDER SECTIONAL VIEW

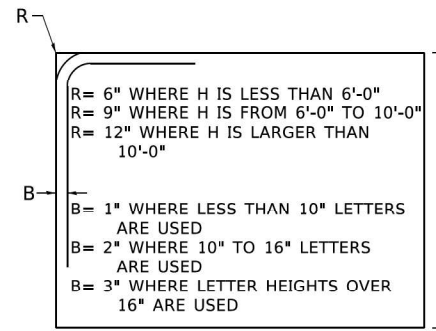


SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	DIGIT
12 x 24	12.0	24.0	1.5	1.5	1.5	N/A	1.5	1
12 x 36	12.0	36.0	1.5	2.0	2.0	2.0	1.5	2
12 x 48	12.0	48.0	1.5	2.5	2.0	2.0	2.5	3

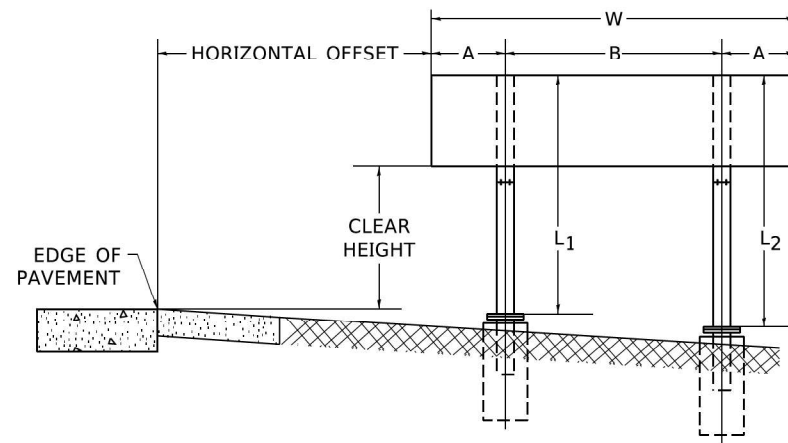
BLANK	A	B	C	D	E	F
B9-1224	12.0	24.0	1.5	2.0	20.0	N/A
B9-1236	12.0	36.0	1.5	2.0	32.0	12.0
B9-1248	12.0	48.0	1.5	2.0	44.0	12.0

SIGN SIZE	SERIES					BLANK STD.	
	LINES						
	1	2	3	4	5		
12 x 24	4C	8D	4C	N/A	N/A	0.5	B9-1224
12 x 36	4C	8D	8D	4C	N/A	0.5	B9-1236
12 x 48	4C	8D	8D	8D	4C	0.5	B9-1248

BORDER AND RADIUS LAYOUT



MAJOR GUIDE SIGN LAYOUT

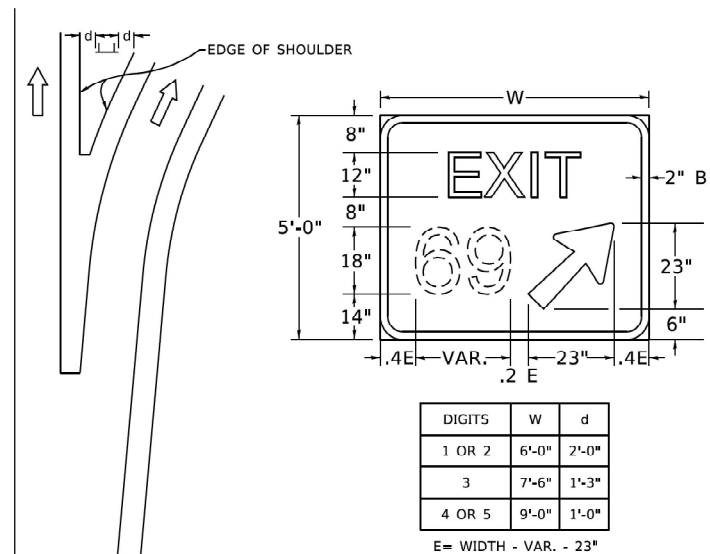


NUMBER OF STEEL SUPPORTS	A	B
2	.2 W	.6 W
3	.15 W	.35 W
4	.125 W	.25 W
5	.1 W	.2 W

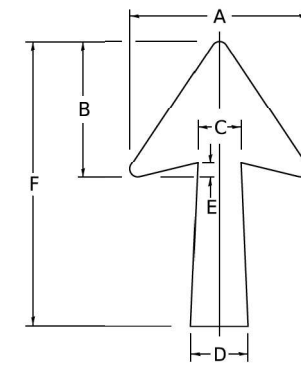
"L₁" IS THE LENGTH OF SUPPORT, NOT INCLUDING THE STUB PROJECTION, CLOSEST TO THE EDGE OF THE PAVEMENT.

"A" IS THE DISTANCE FROM THE SIGN EDGE TO THE CENTERLINE OF THE NEAREST SUPPORT. "B" IS THE DISTANCE BETWEEN CENTERLINES OF SUPPORTS.

GORE SIGNS

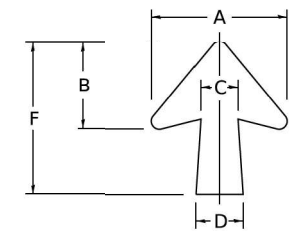


STANDARD ARROWS FOR INTERSTATE GUIDE SIGNS



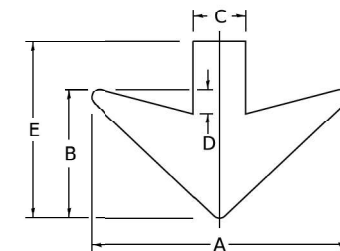
ARROW SYMBOL	A	B	C	D	E	F	R
24 1/4 x 15 1/8	15 1/8	11 1/16	3 3/8	5	1 1/16	24 1/4	1 3/16
29 1/4 x 18 1/4	18 1/4	14	4 1/2	6	1 1/2	29 1/4	3/4
35 3/8 x 22 1/4	22 1/4	17	5 3/8	7 3/8	1 3/4	35 3/8	1
18 1/4 x 11 1/4	11 1/4	8 3/4	3 3/8	3 3/8	3	18 1/4	

NOTE: D & F ARE RECOMMENDED DIMENSIONS. TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS



ARROW SYMBOL	A	B	C	D	E	F	R
17 1/4 x 14 1/4	14 1/4	9 3/8	3 3/8	4 1/2	1 5/8	17 1/4	3/4
20 1/4 x 17 1/4	17 1/4	11 3/4	4 3/8	5 3/8	1 1/2	20 1/4	
25 x 21 1/8	21 1/8	14 1/4	5	6 3/4	1 3/4	25	1
9 3/8 x 8 1/8	8 1/8	5 3/8	2 3/8	2 3/8	2 3/8	9 3/8	1/2

DOWN ARROWS



ARROW SYMBOL	A	B	C	D	E	R
16 1/2 x 24	24	12	5	1 1/2	16 1/2	3/4
22 x 32	32	16	6 1/2	3	22	1

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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE - 03-08-1984	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MILE POST MARKERS - GORE SIGNS
MAJOR GUIDE SIGN LAYOUT - ARROWS**

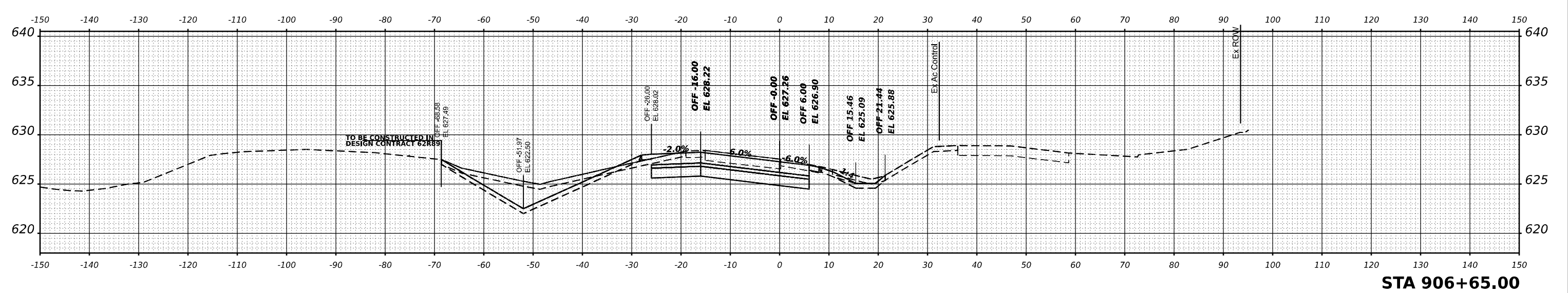
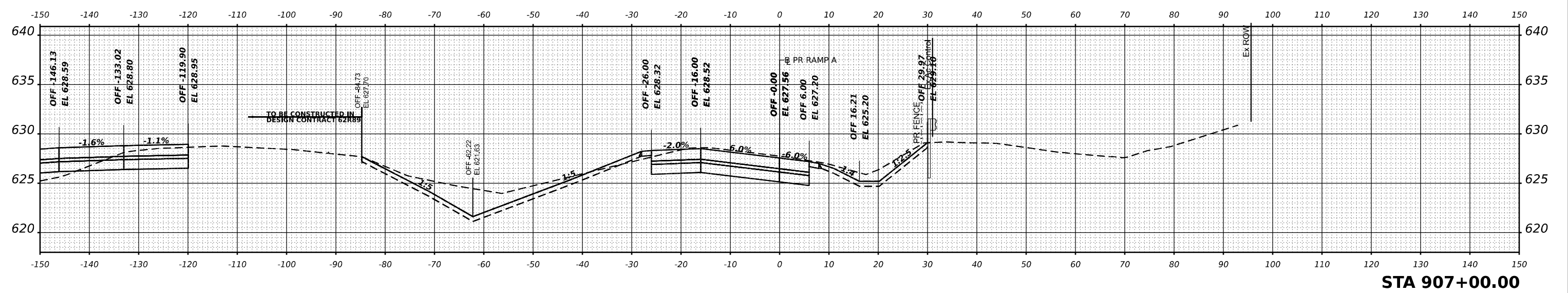
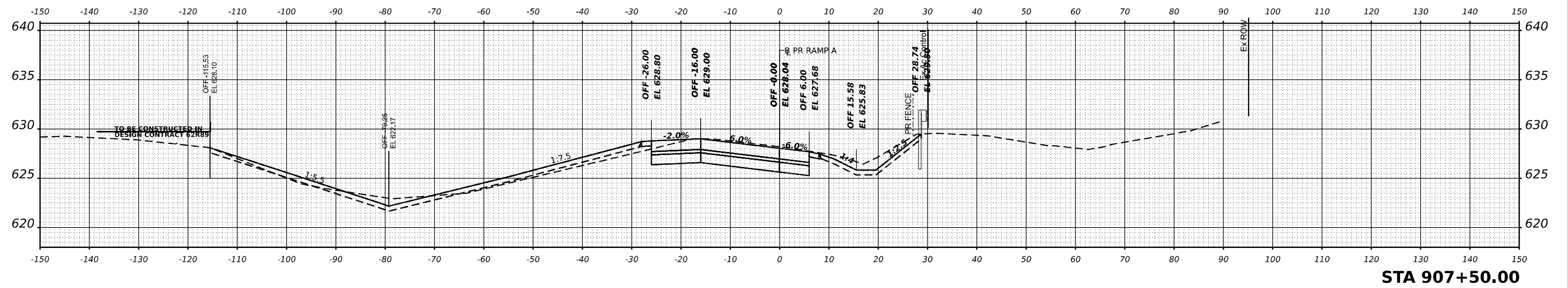
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			550	371
TC-27 (TS-2341-1)			CONTRACT NO.62R25	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -
	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
LARKIN RAMP A**

SCALE: 10:H 5:V	SHEET 1	OF 8 SHEETS	STA. 906+50	907+50
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	372
			CONTRACT NO. 62R25	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
REVISIONS	
DATE	
BY	

NO.	DATE
1	
2	

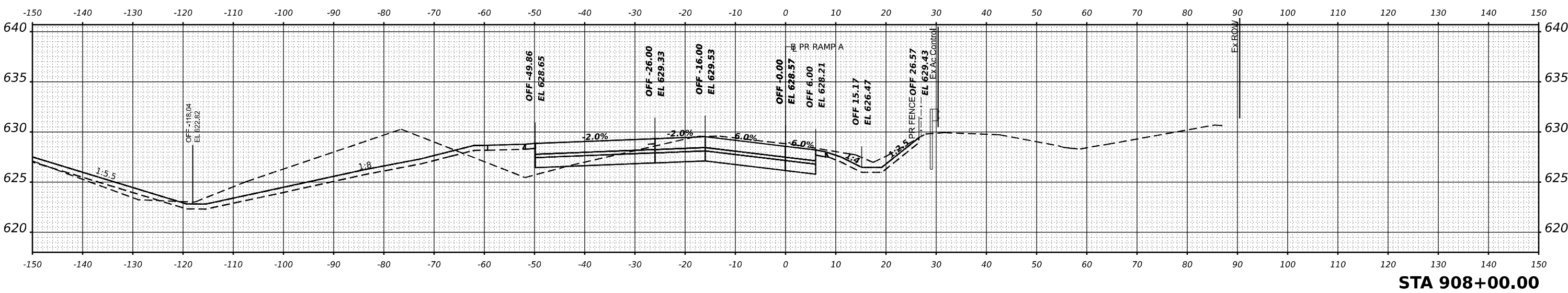
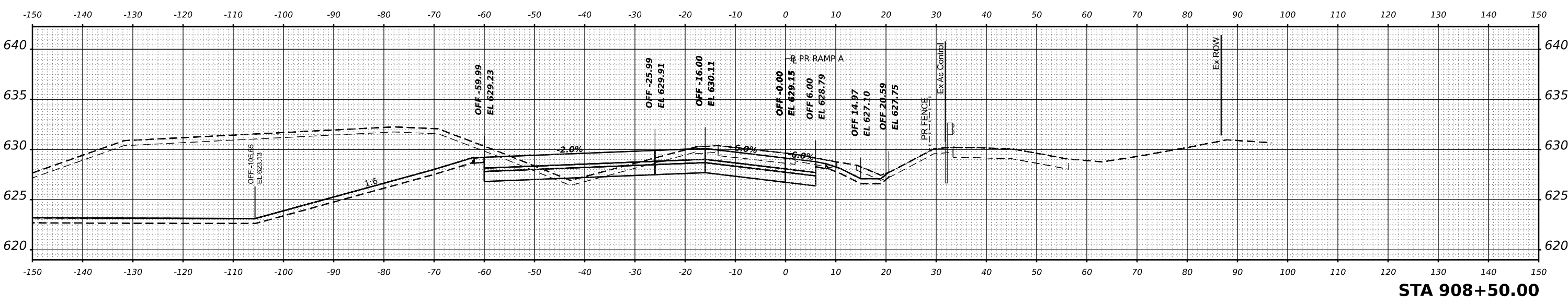
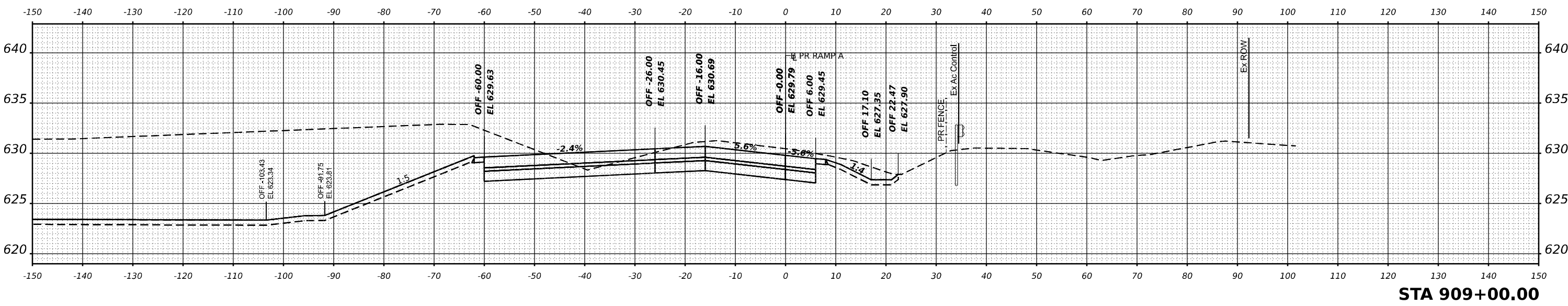
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2	

NO.	DATE
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2	

NO.	DATE
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DRAWN -	MBM
CHECKED -	JMG
DATE -	6/18/24
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PLOT DATE =	6/18/2024

DESIGNED -	VJ	REVISED -	
DRAWN -	MBM	REVISED -	
CHECKED -	JMG	REVISED -	
DATE -	6/18/24	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1A CROSS SECTIONS
LARKIN RAMP A

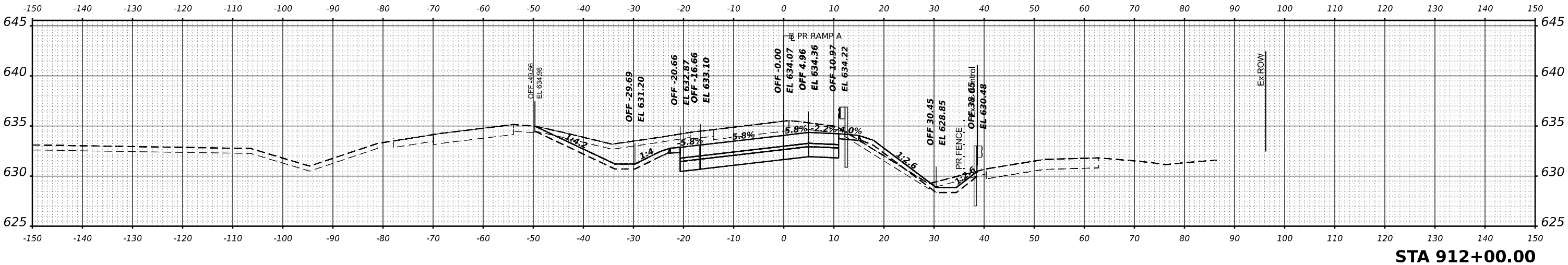
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F.A.I. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62R25	
ILLINOIS			FED. AID PROJECT	

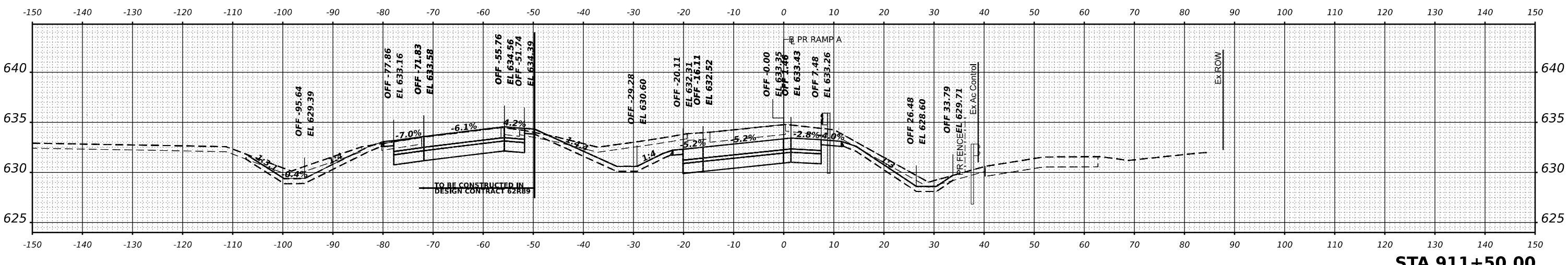
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NOTE BOOK	PLOTTED		
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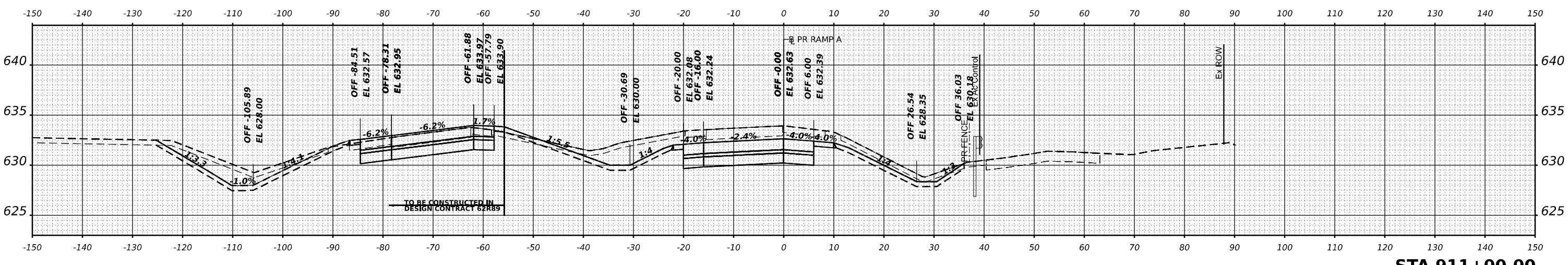
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STA 912+00.00



STA 911+50.00



STA 911+00.00



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	DATE - 6/18/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

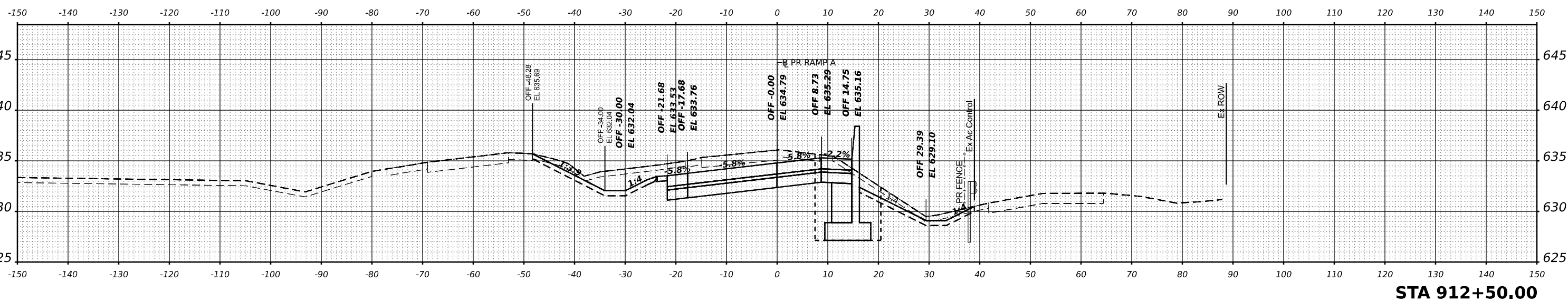
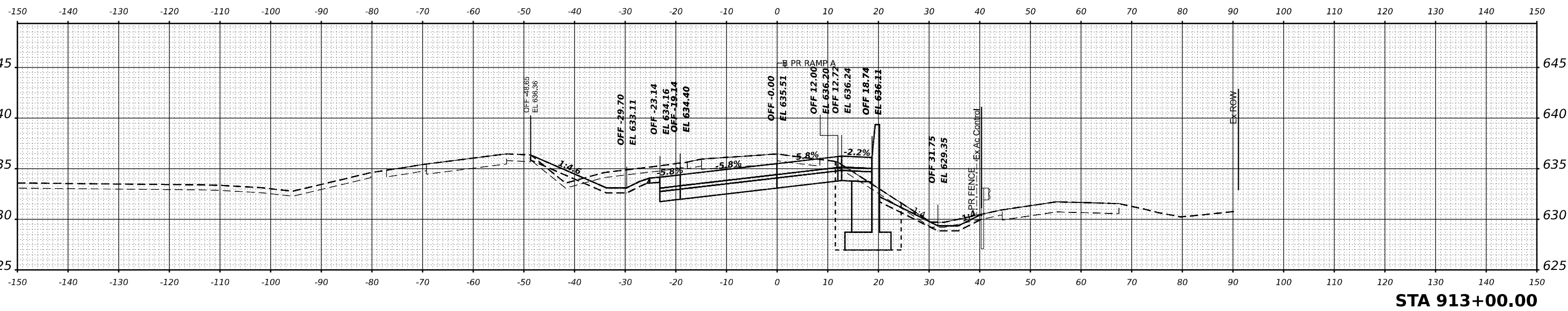
STAGE 1A CROSS SECTIONS LARKIN RAMP A		
SCALE: 10:H 5:V	SHEET 4	OF 8 SHEETS
STA. 911+00	912+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	375
CONTRACT NO. 62R25				
ILLINOIS FED. AID PROJECT				

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	AREAS		
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DESIGNED	- VLJ
DRAWN	- MBM
CHECKED	- JMG
DATE	- 6/18/24

DESIGNED	- VLJ
DRAWN	- MBM
CHECKED	- JMG
DATE	- 6/18/24

REVISOR	
REVISION	
DATE	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
 LARKIN RAMP A**

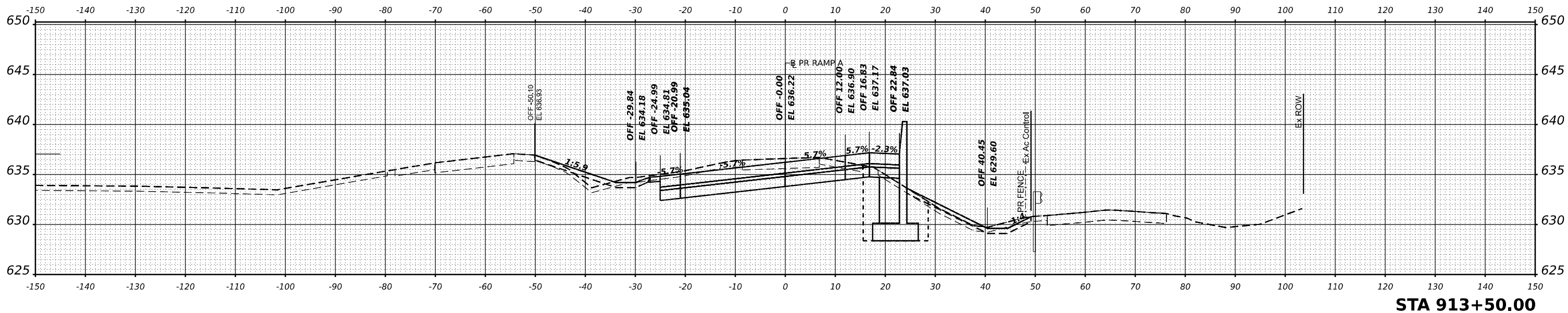
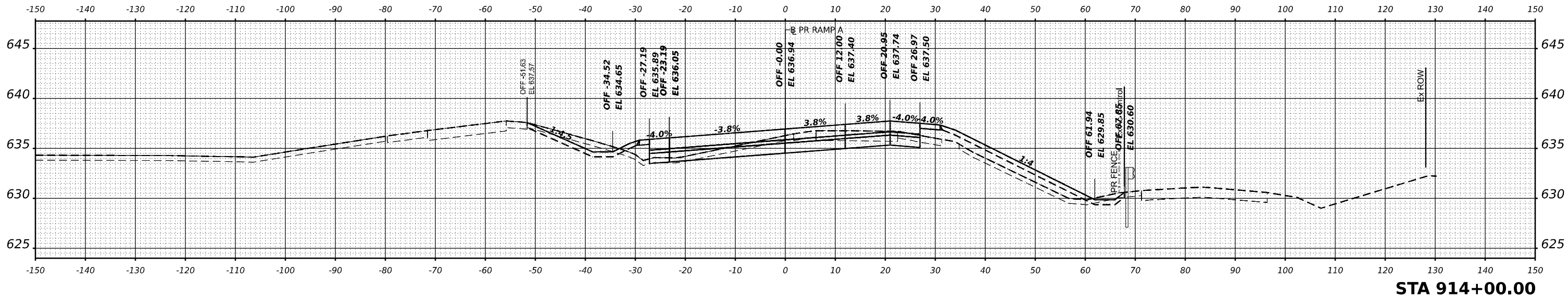
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	376
				CONTRACT NO. 62R25
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINISHED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

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USER NAME = vjjanachione	DESIGNED - VLJ	REVISED
	DRAWN - MBM	REVISED -
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PLOT DATE = 6/18/2024	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
 LARKIN RAMP A**

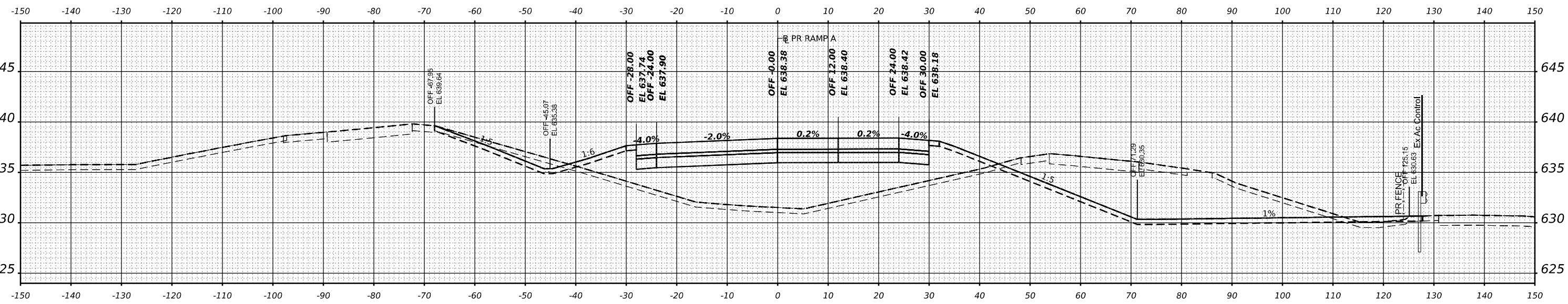
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62R25	
		ILLINOIS	FED. AID PROJECT	

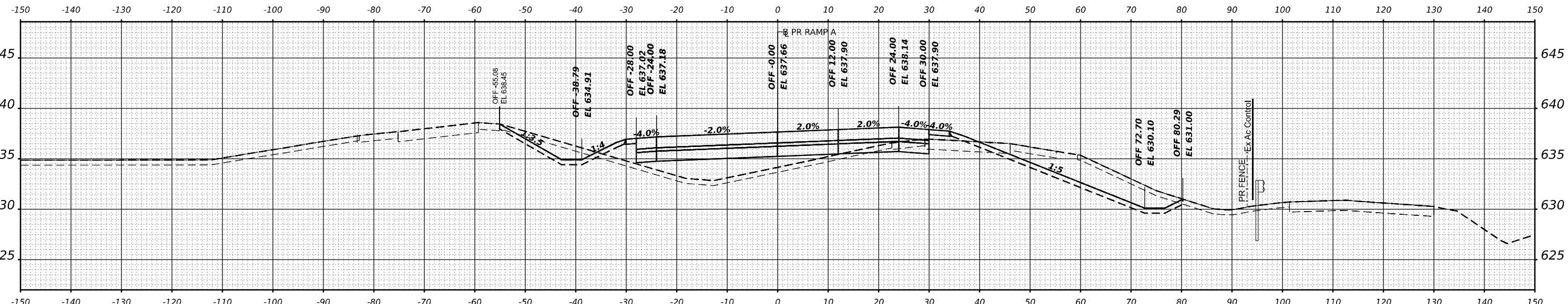
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NOTE BOOK	PLOTTED		
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	AREAS CHECKED		

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STA 915+00.00



STA 914+50.00

TRANSYSTEMS

USER NAME = vjfanachione	DESIGNED - VLJ	REVISED
PLOT SCALE = 0.16666633 1/ in.	DRAWN - MBM	REVISED -
PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -
	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
 LARKIN RAMP A**

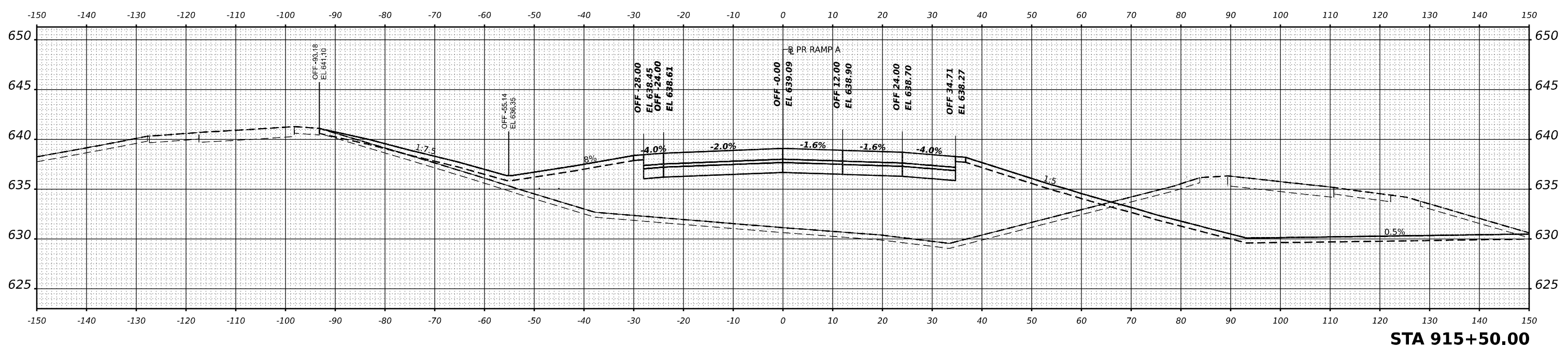
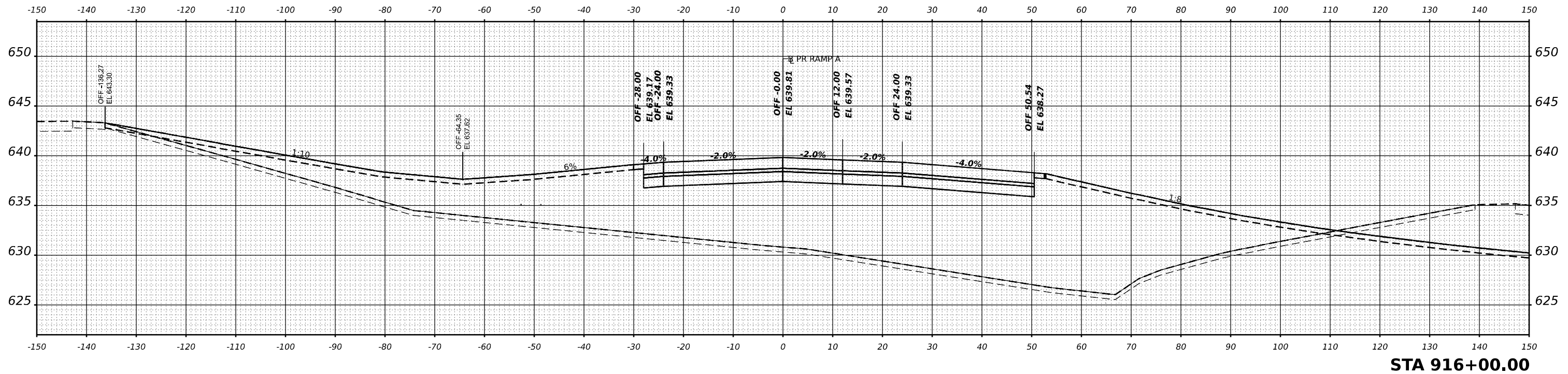
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	378
			CONTRACT NO. 62R25	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

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TRANSYSTEMS

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PLOT DATE	= 6/18/2024

DESIGNED	- VLJ
DRAWN	- MBM
CHECKED	- JMG
DATE	- 6/18/24

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
 LARKIN RAMP A**

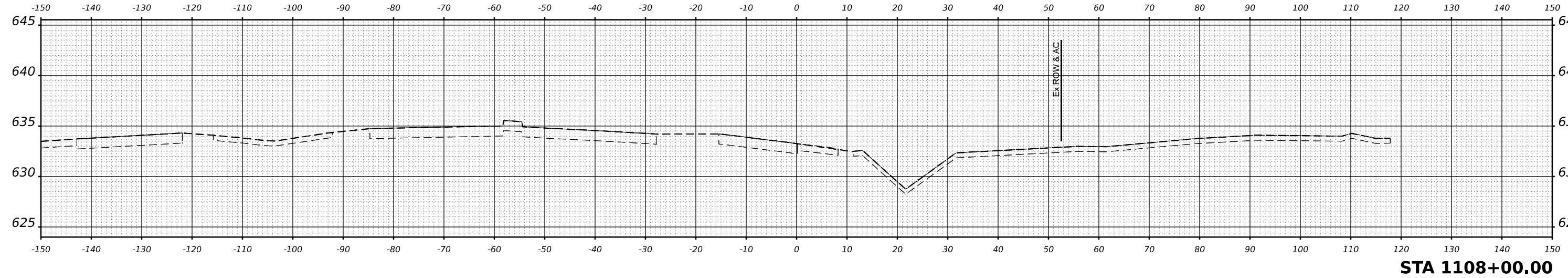
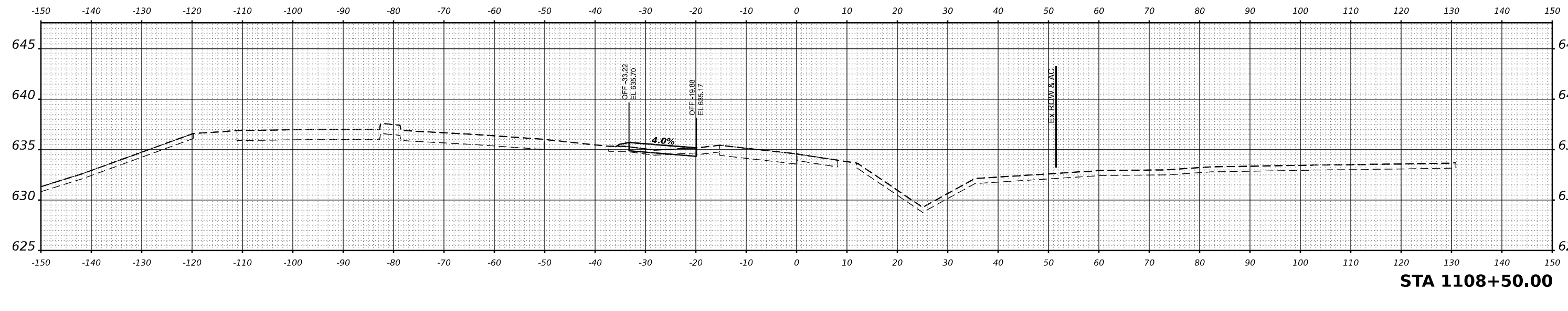
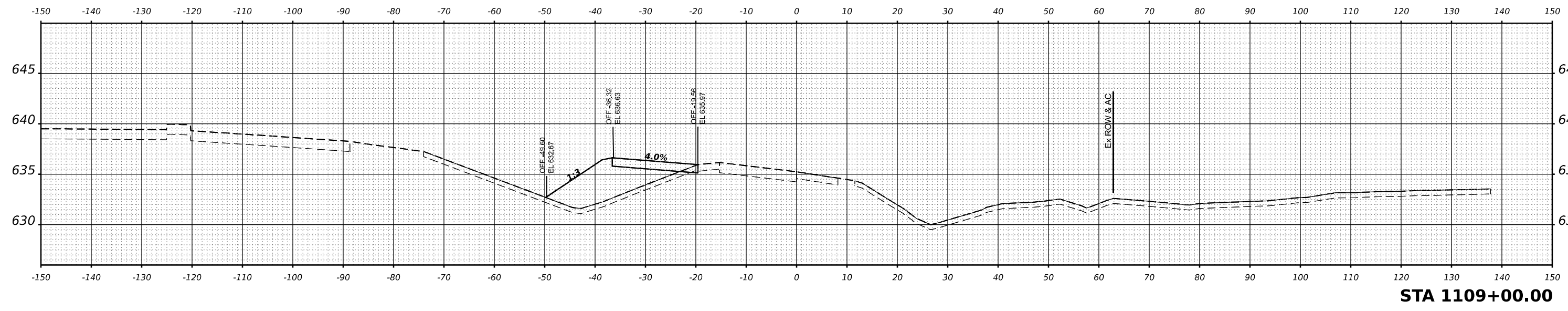
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	379
CONTRACT NO. 62R25				
ILLINOIS		FED. AID PROJECT		

DATE	BY
SURVEYED	BY
PLOTTED	BY
TEMPLATE	BY
AREAS	BY
CHECKED	BY

DATE	BY
SURVEYED	BY
PLOTTED	BY
TEMPLATE	BY
AREAS	BY
CHECKED	BY

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TRANSYSTEMS

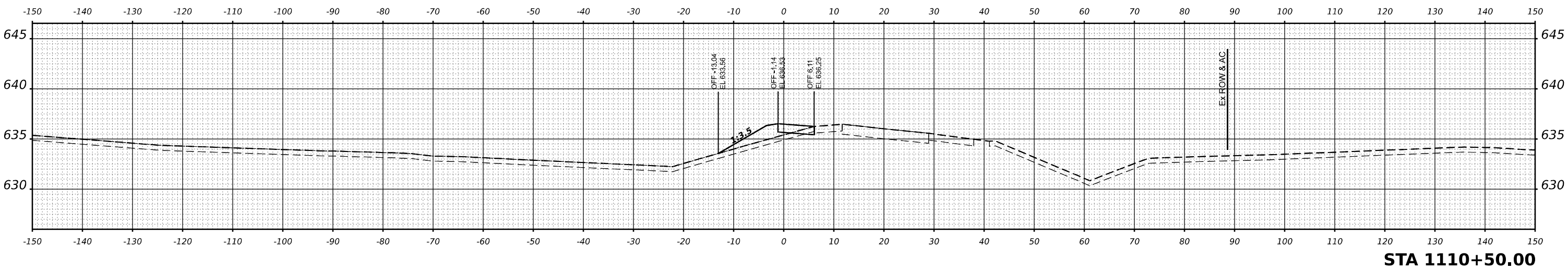
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	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

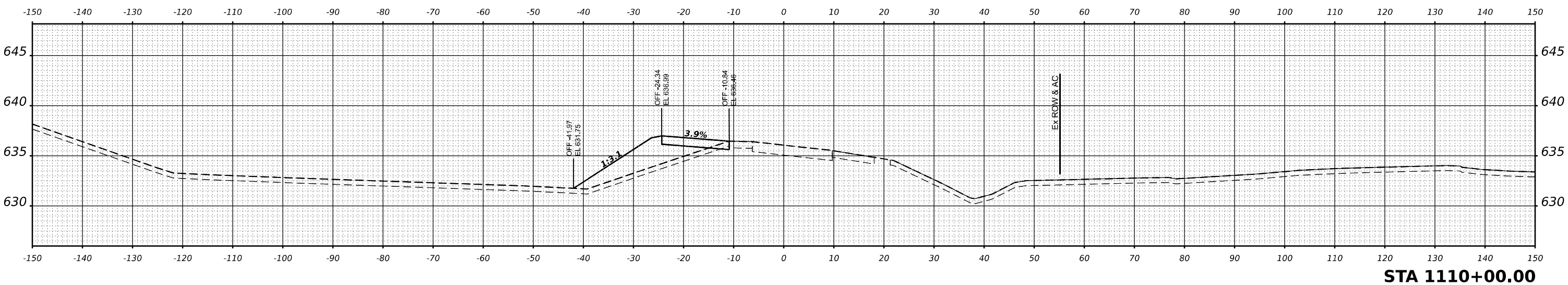
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SCALE: 10:H 5:V	SHEET 1	OF 3 SHEETS	STA. 1108+00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		ILLINOIS	FED. AID PROJECT	

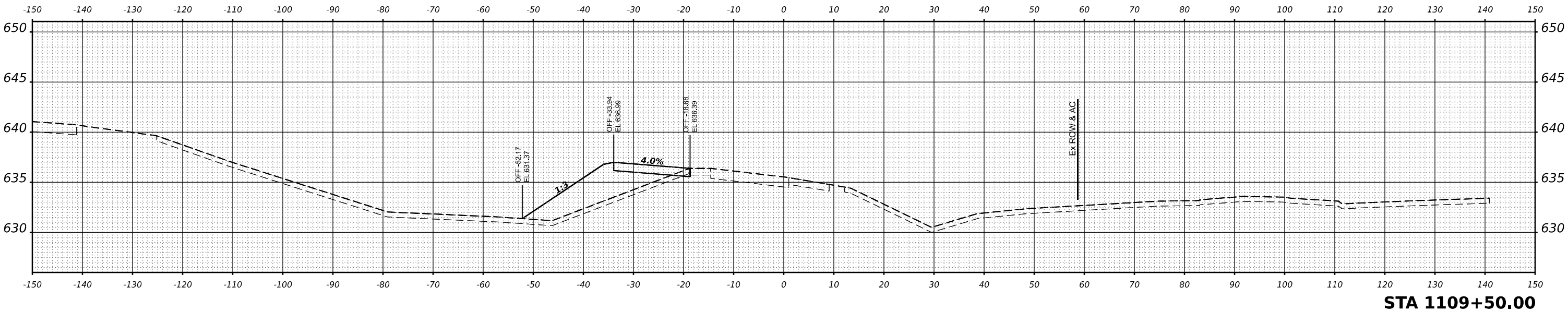
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



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TRANSYSTEMS

USER NAME = vjjanachione	DESIGNED - VLJ	REVISED
	DRAWN - MBM	REVISED -
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PLOT DATE = 6/18/2024	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 10:H 5:V			SHEET 2 OF 3 SHEETS		STA. 1109+50		1110+50	
F.A.P. RTE. SECTION			COUNTY	TOTAL SHEETS	SHEET NO.			
I-80 FAI 80 21 STRUCTURE 4			WILL	550	381			
						CONTRACT NO. 62R25		
						ILLINOIS	FED. AID PROJECT	

**STAGE 1A CROSS SECTIONS
LARKIN RAMP B**

STA 1109+50.00

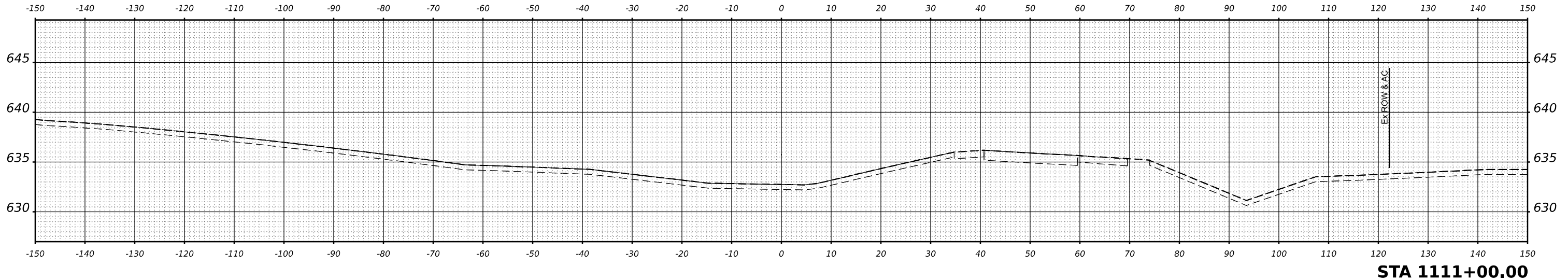
STA 1110+50.00

STA 1110+00.00

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

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STA 1111+00.00



USER NAME =	vjjanachione	DESIGNED -	V LJ	REVISED	
		DRAWN -	MBM	REVISED -	
PLOT SCALE =	0.166666633 1/ in.	CHECKED -	JMG	REVISED -	
PLOT DATE =	6/18/2024	DATE -	6/18/24	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: 10:H 5:V					
SHEET 3	OF 3	SHEETS	STA. 1111+00	SSTATO	

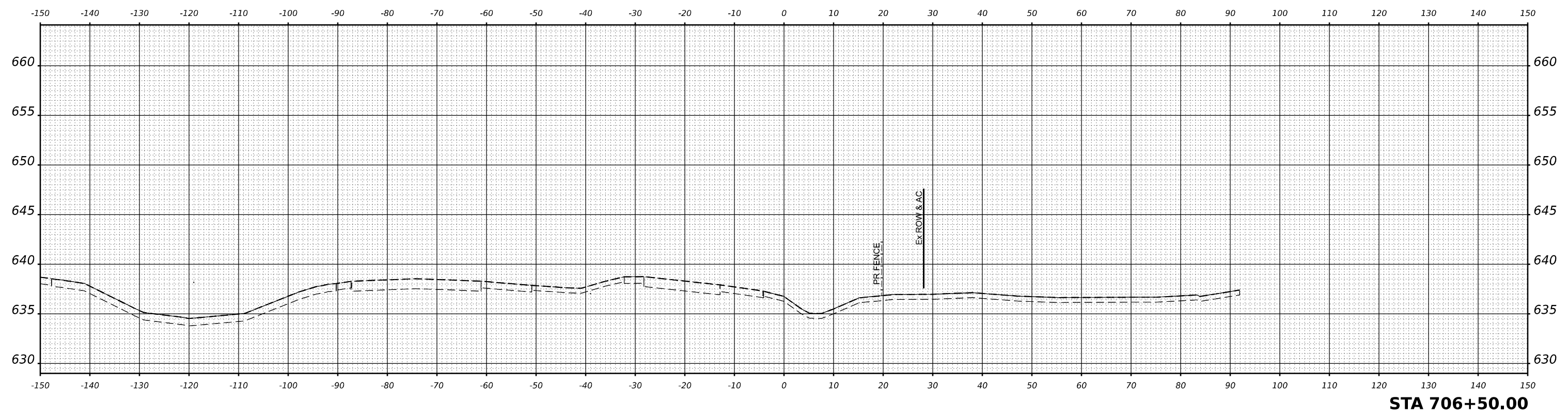
**STAGE 1A CROSS SECTIONS
 LARKIN RAMP B**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R25				
ILLINOIS	FED. AID PROJECT			

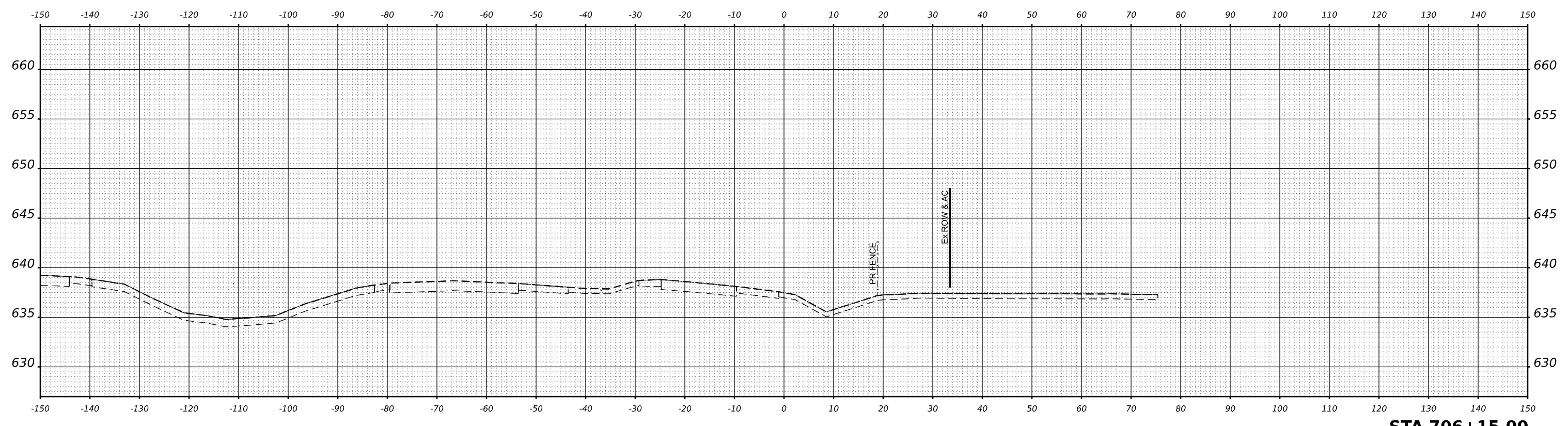
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

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STA 706+50.00



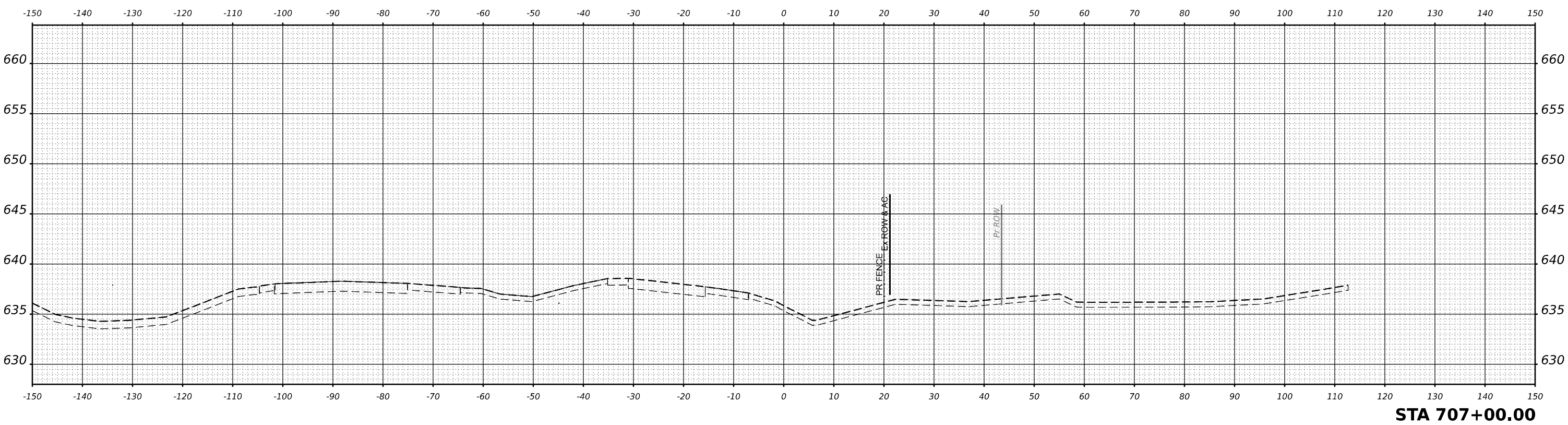
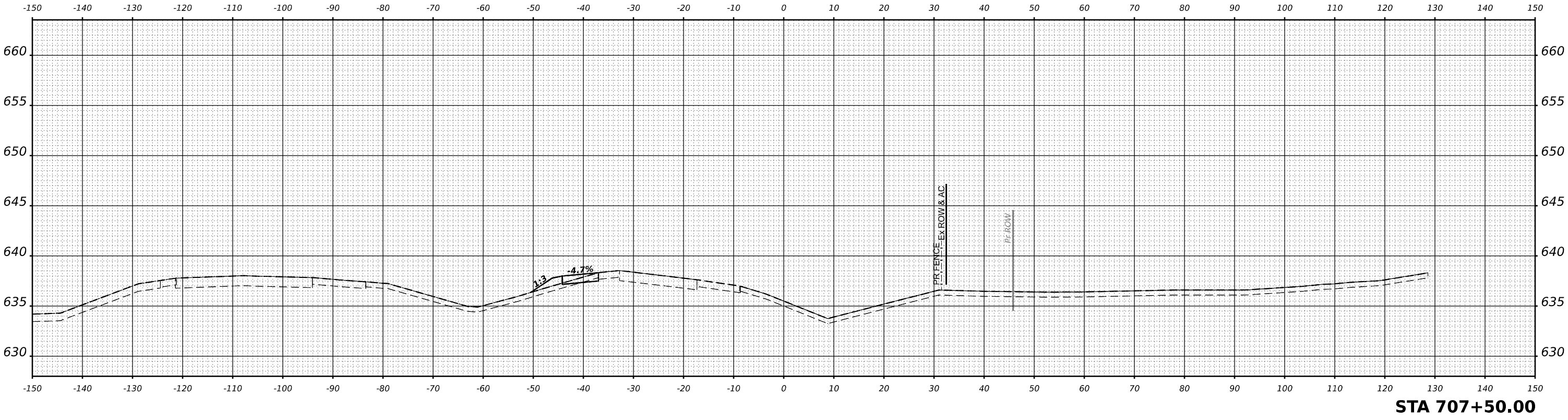
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TRANSYSTEMS	USER NAME = vjjanachione	DESIGNED - VLJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1A CROSS SECTIONS LARKIN RAMP C			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -		CONTRACT NO. 62R25							
		DATE - 6/18/24	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE: 10:H 5:V	SHEET 1	OF 11 SHEETS	STA. 706+15.00	706+60.00			

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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USER NAME = vjjanachione	DESIGNED - VLJ	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN - MBM	REVISED -
PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -
	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS LARKIN RAMP C			
SCALE: 10:H 5:V	SHEET 2	OF 11 SHEETS	STA. 707+00.00
			707+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62R25	
		ILLINOIS	FED. AID PROJECT	

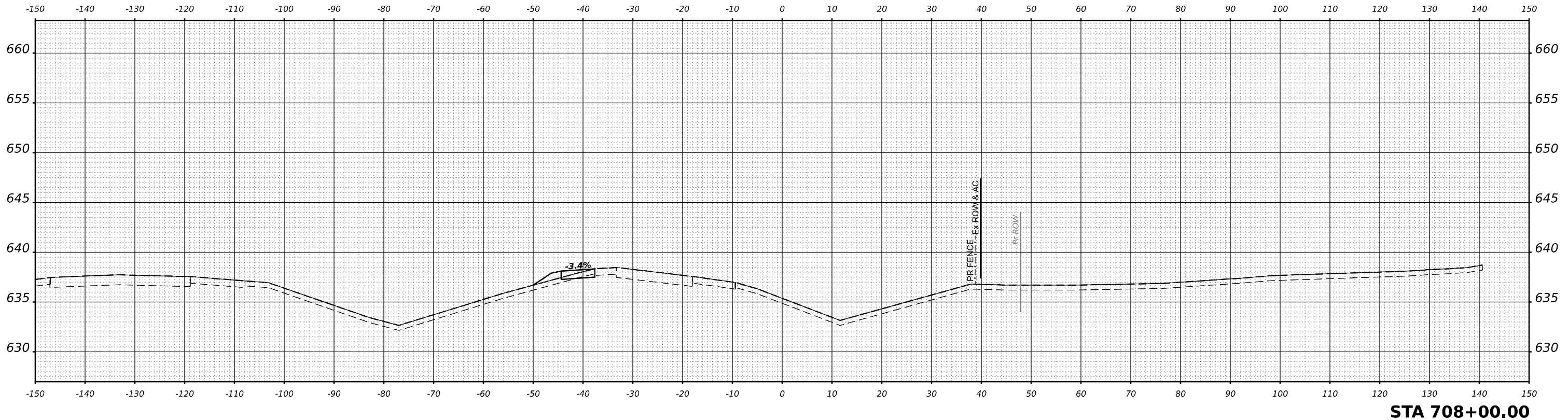
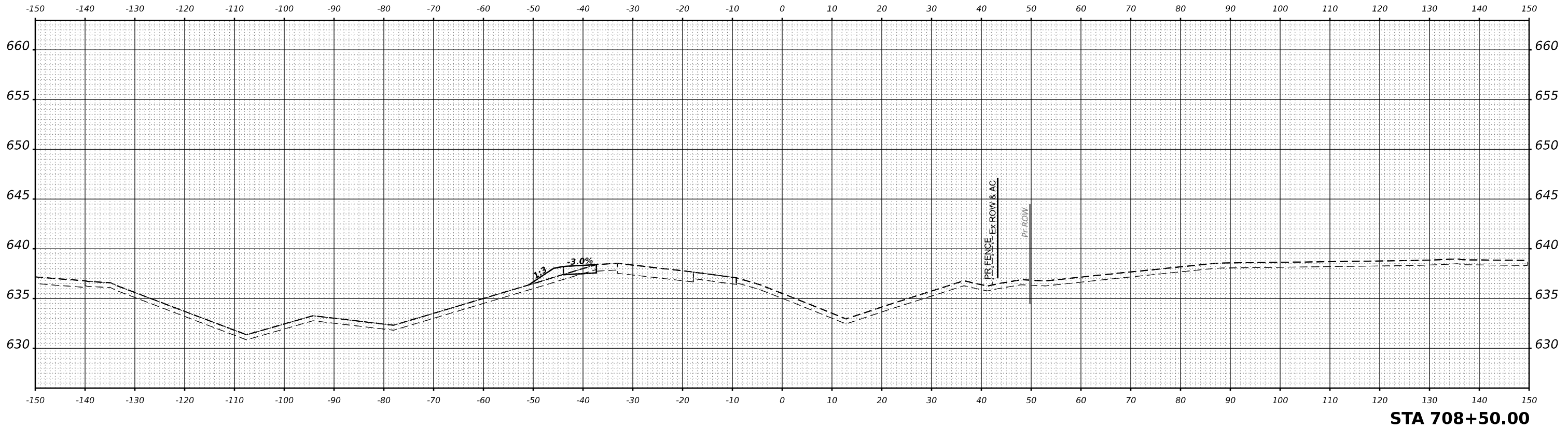
DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

NO. _____

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DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

NO. _____



USER NAME	= vjjanachione	DESIGNED	- VLJ	REVISED	-
		DRAWN	- MBM	REVISED	-
PLOT SCALE	= 0.16666633 1/ in.	CHECKED	- JMG	REVISED	-
PLOT DATE	= 6/18/2024	DATE	- 6/18/24	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
LARKIN RAMP C**

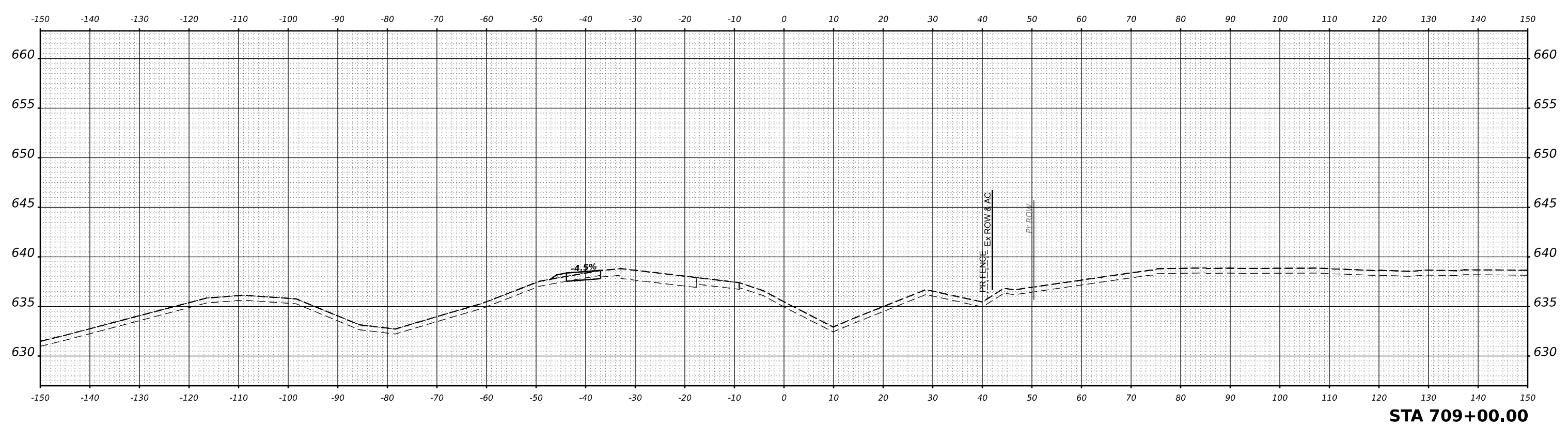
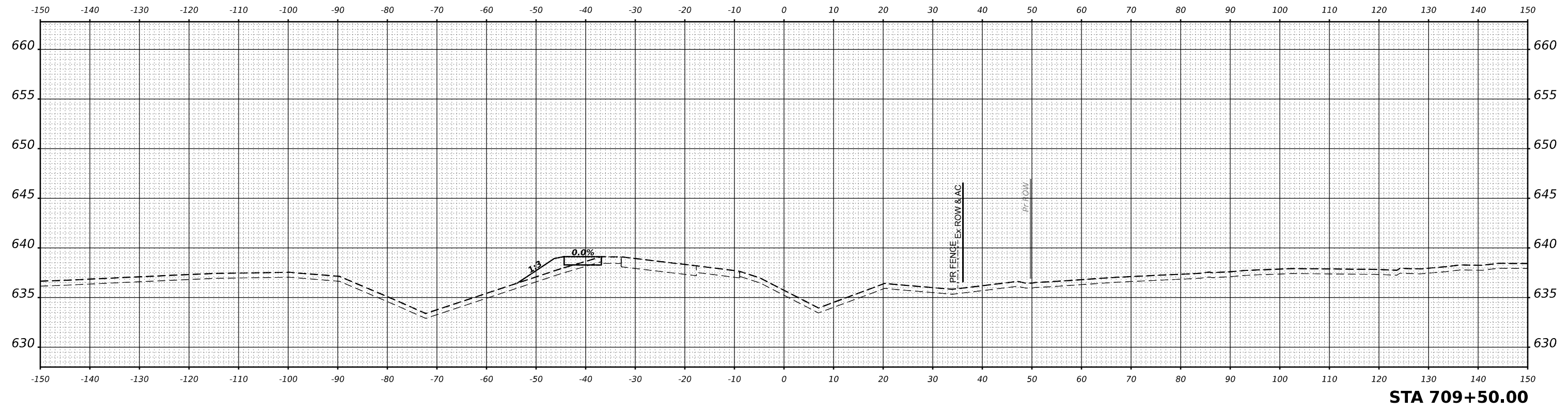
SCALE: 10:H 5:V	SHEET 3	OF 11	SHEETS	STA. 708+00.00	708+50.00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	385
			CONTRACT NO. 62R25	
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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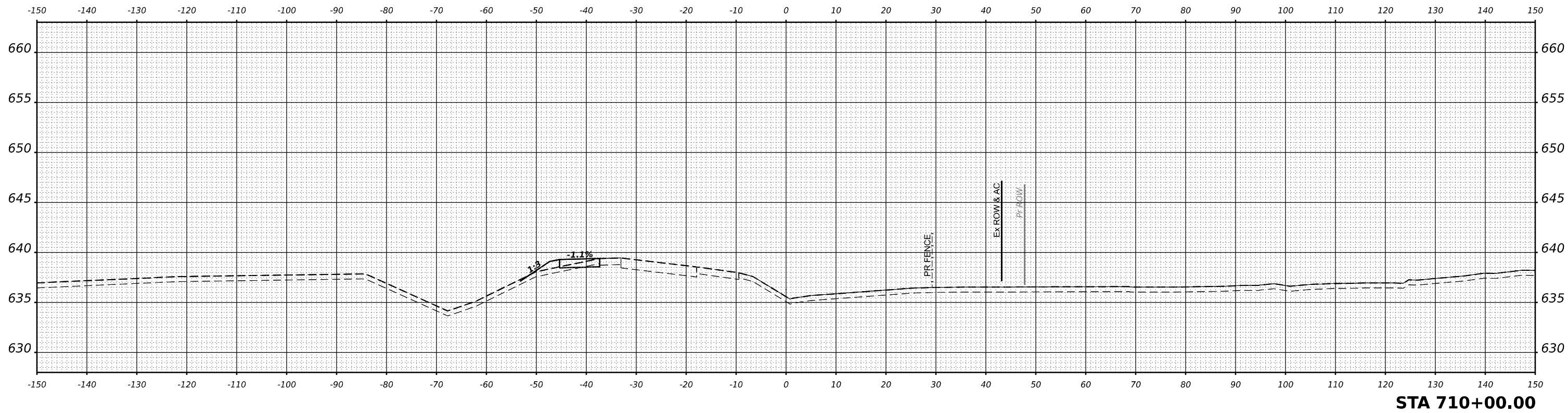
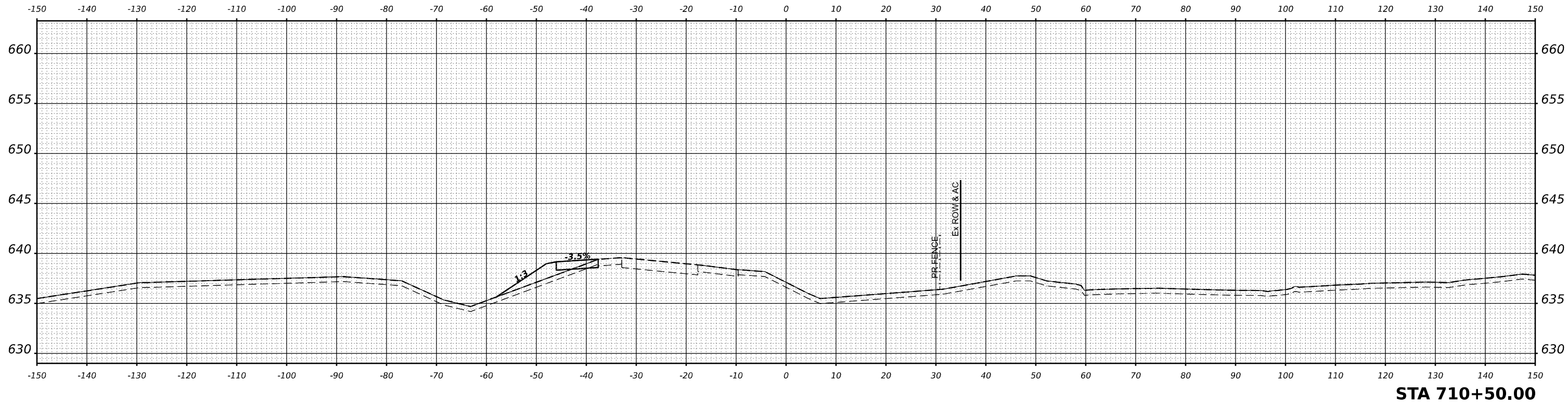


TRANSYSTEMS	USER NAME = vjjanachione	DESIGNED - VLJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1A CROSS SECTIONS LARKIN RAMP C			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 6/18/2024	DATE - 6/18/24	REVISED -		SCALE: 10:H 5:V	SHEET 4	OF 11 SHEETS	STA. 709+00.00	709+50.00	ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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TRANSYSTEMS

USER NAME	= vjjanachione
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PLOT DATE	= 6/18/2024

DESIGNED	- VLJ
DRAWN	- MBM
CHECKED	- JMG
DATE	- 6/18/24

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
 LARKIN RAMP C**

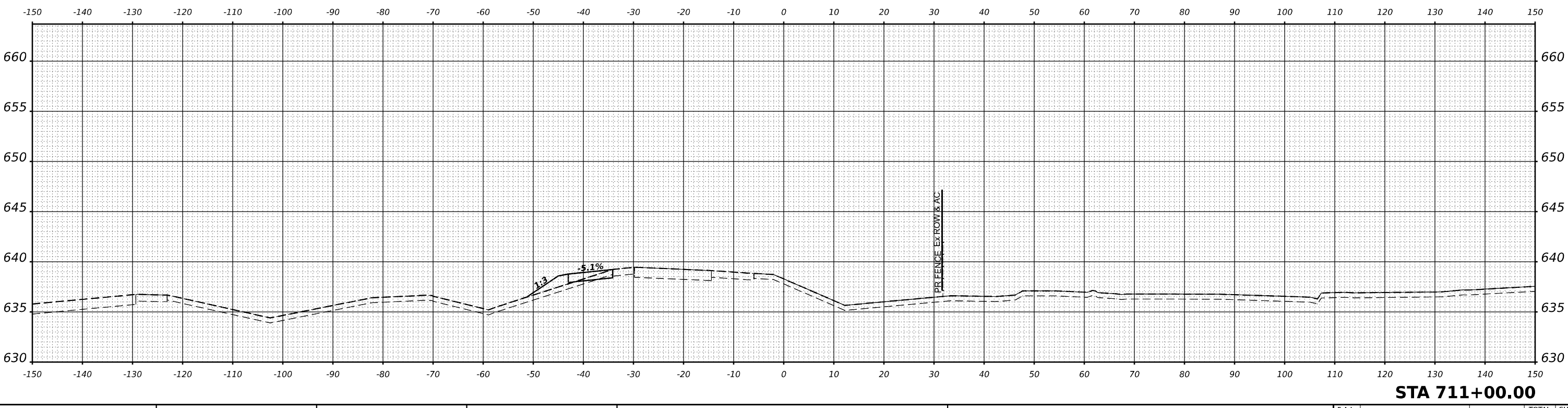
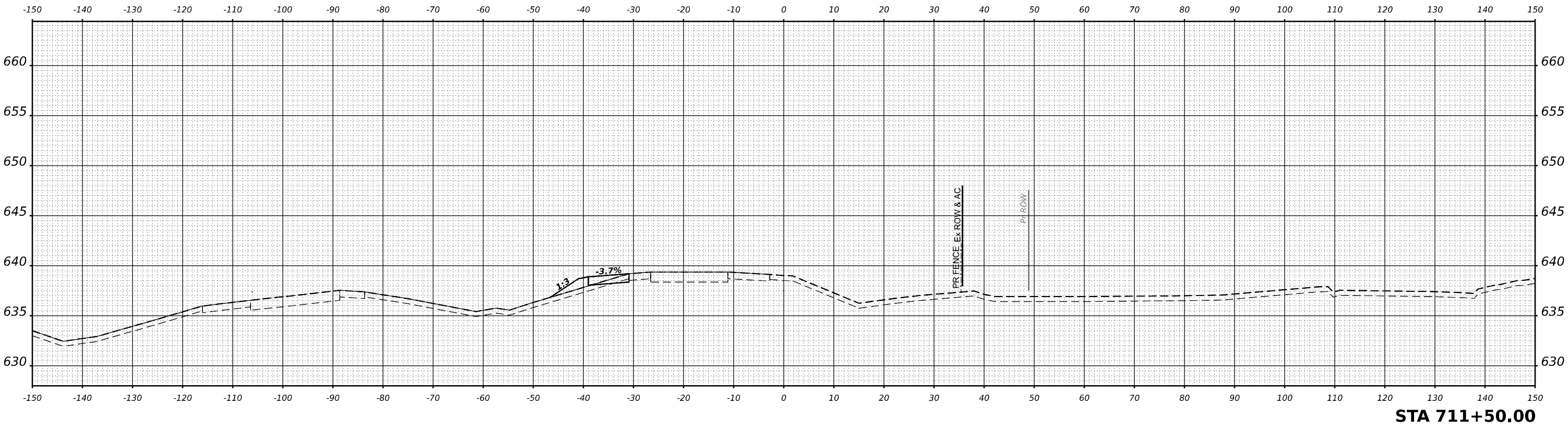
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	387
			CONTRACT NO. 62R25	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	

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PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -
	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

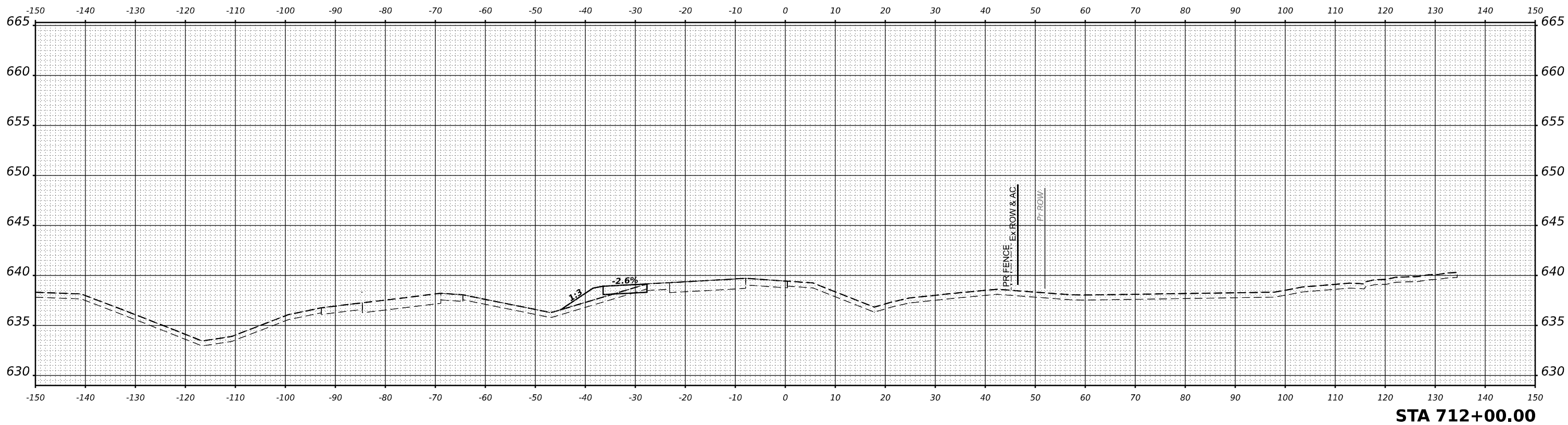
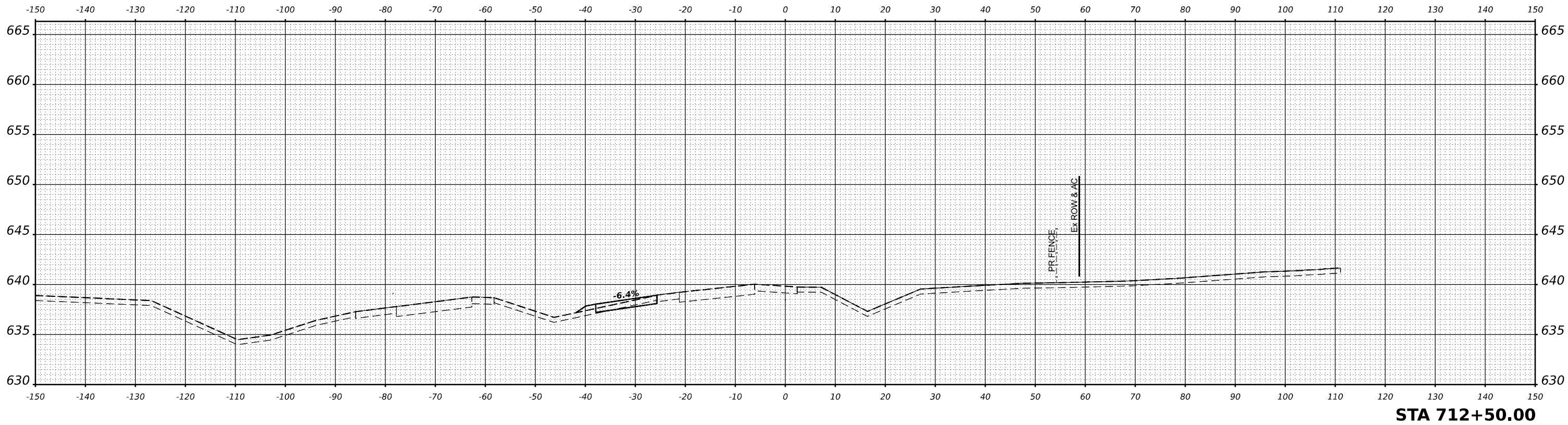
STAGE 1A CROSS SECTIONS LARKIN RAMP C			
SCALE: 10:H 5:V	SHEET 6	OF 11 SHEETS	STA. 711+00.00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	388
			CONTRACT NO. 62R25	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

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TRANSYSTEMS

USER NAME = vjjanachione	DESIGNED - VLJ	REVISED -
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PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -
	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
 LARKIN RAMP C**

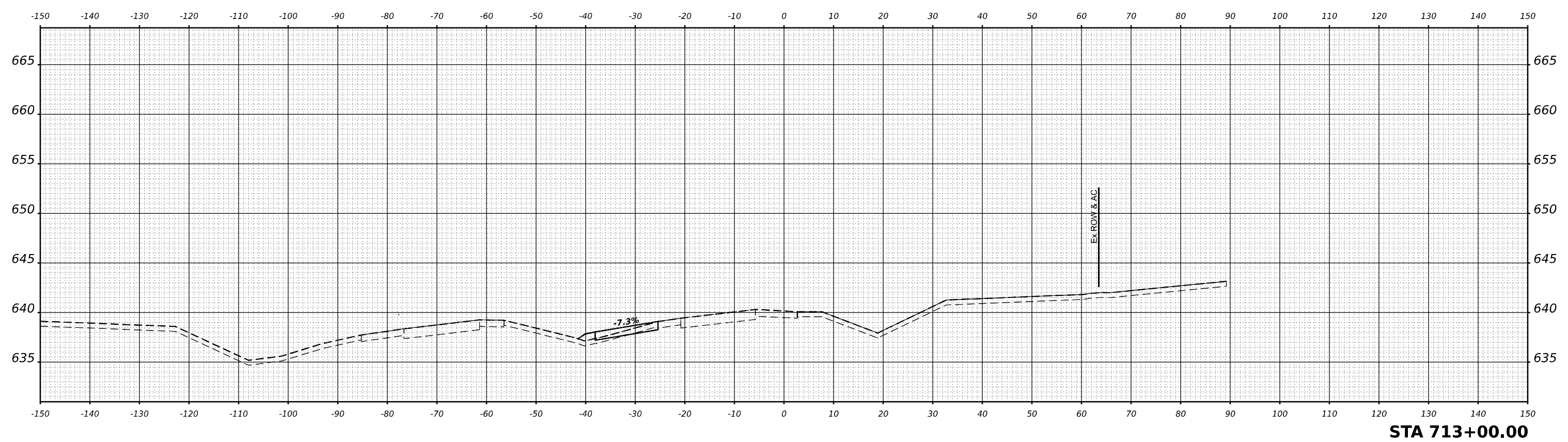
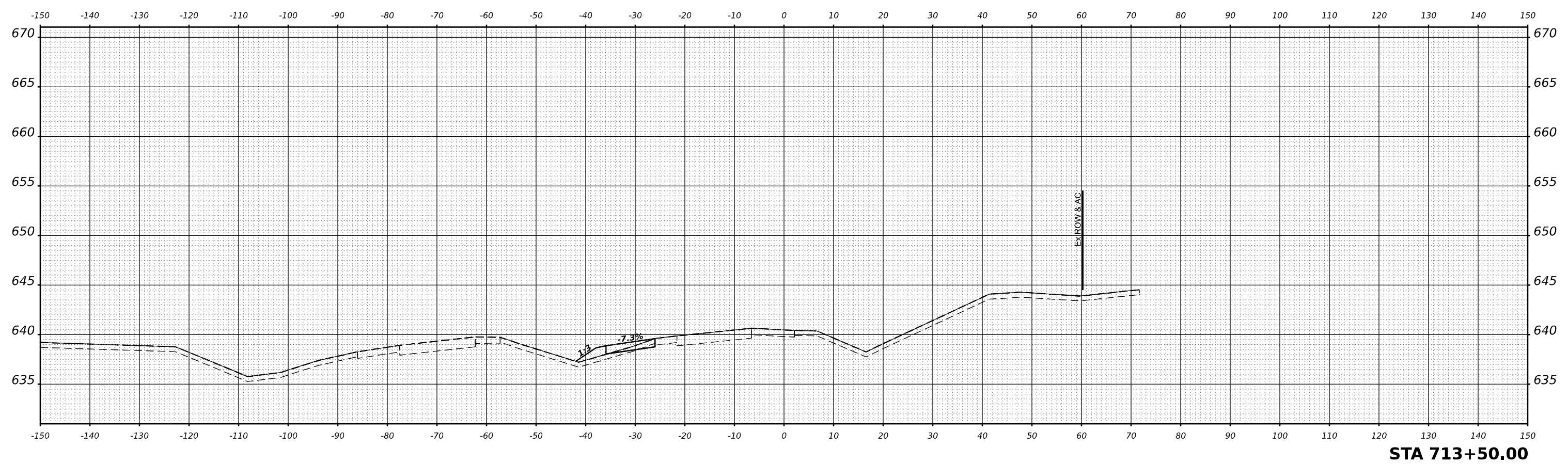
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	389
				CONTRACT NO. 62R25
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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USER NAME = vjjanachione	DESIGNED - VLJ	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN - MBM	REVISED -
PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -
	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
 LARKIN RAMP C**

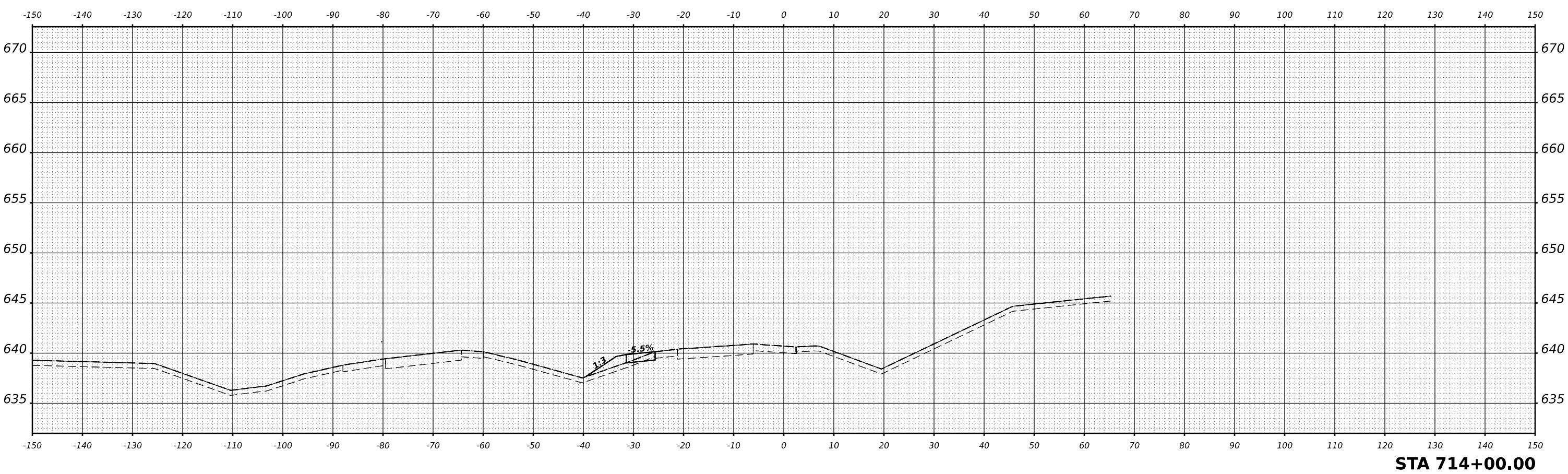
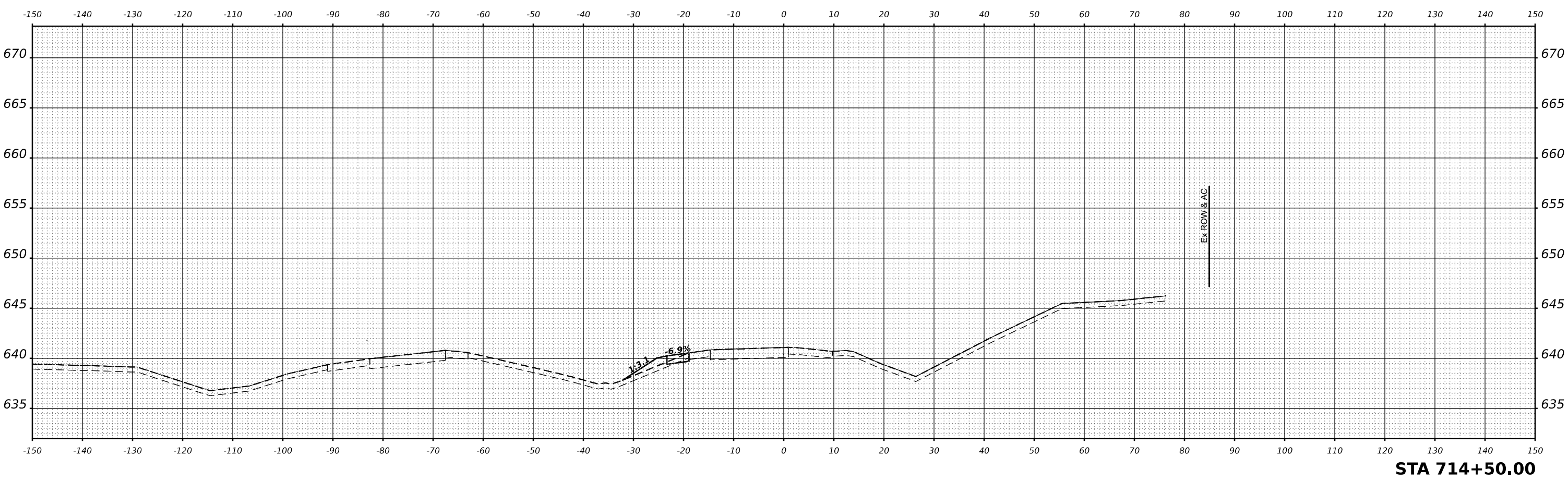
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	390
			CONTRACT NO. 62R25	
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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USER NAME = vjjanachione	DESIGNED - VLJ	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN - MBM	REVISED -
PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -
	DATE - 6/18/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE 1A CROSS SECTIONS LARKIN RAMP C

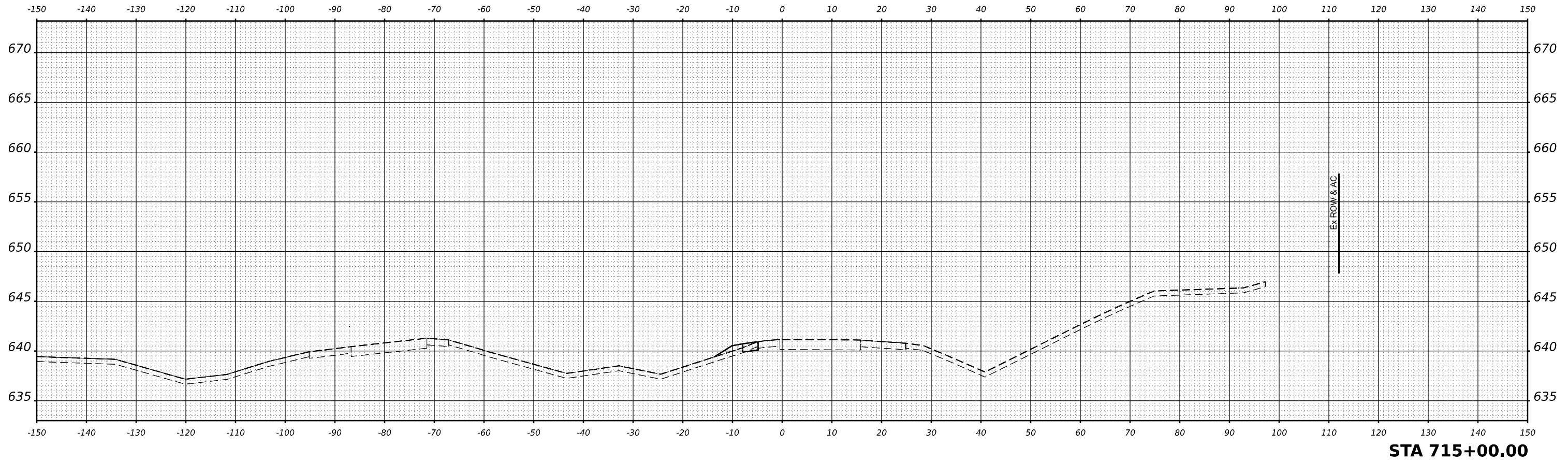
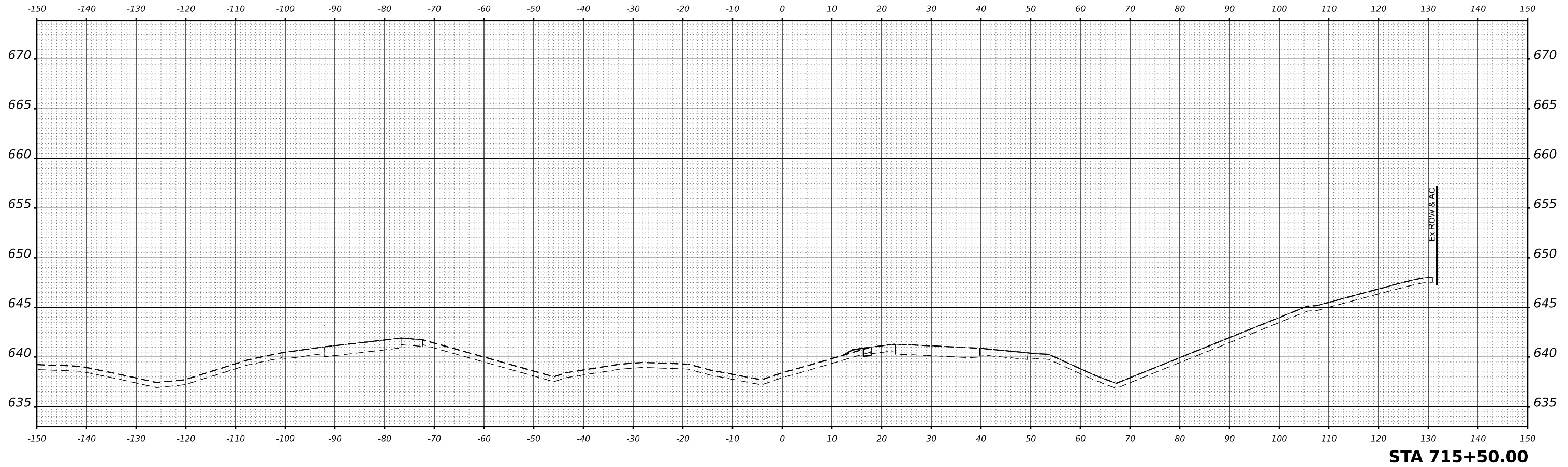
SCALE: 10:H 5:V SHEET 9 OF 11 SHEETS STA. 714+00.00 714+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	391
			CONTRACT NO. 62R25	
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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TRANSYSTEMS

USER NAME	= vljanachione
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 6/18/2024

DESIGNED	- VLJ
DRAWN	- MBM
CHECKED	- JMG
DATE	- 6/18/24

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
LARKIN RAMP C**

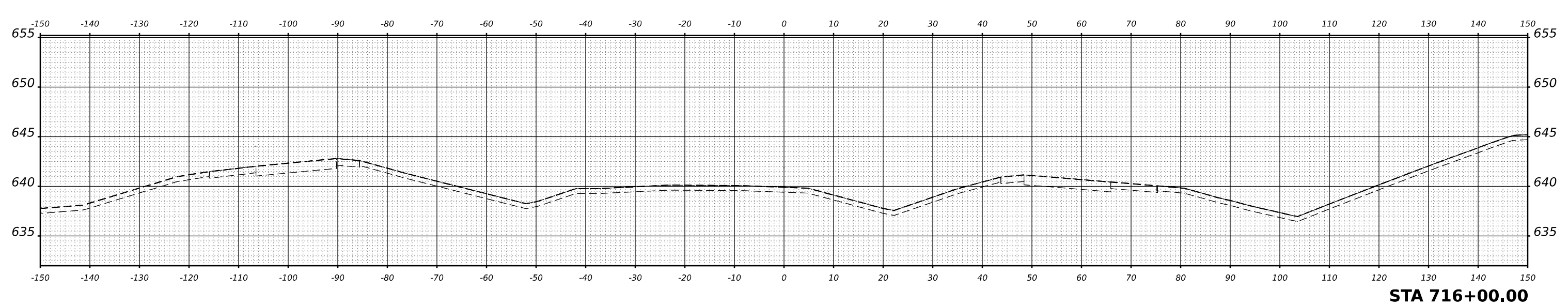
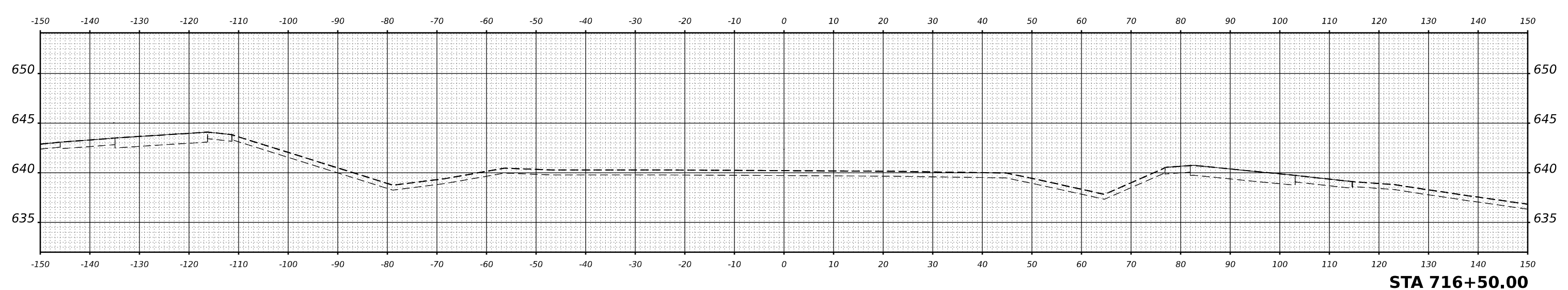
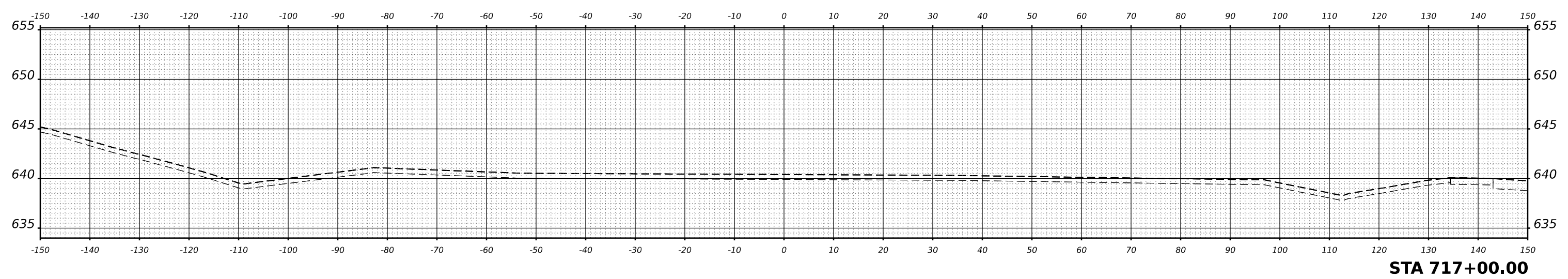
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	392
CONTRACT NO. 62R25			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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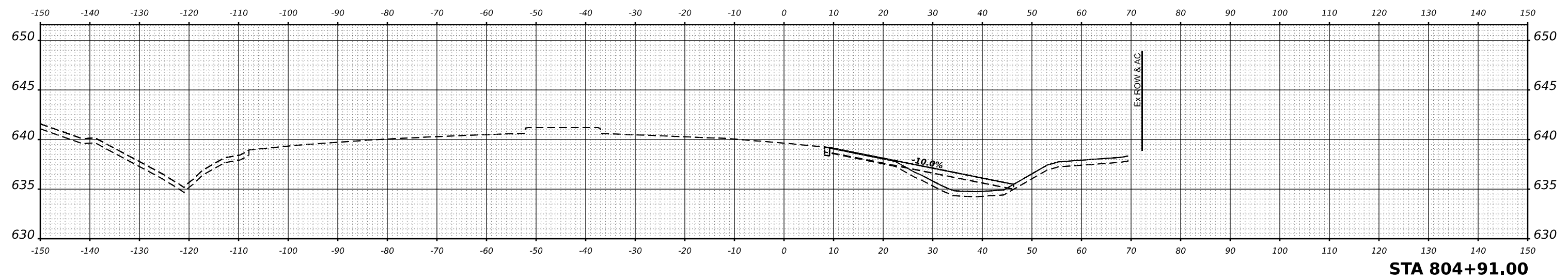
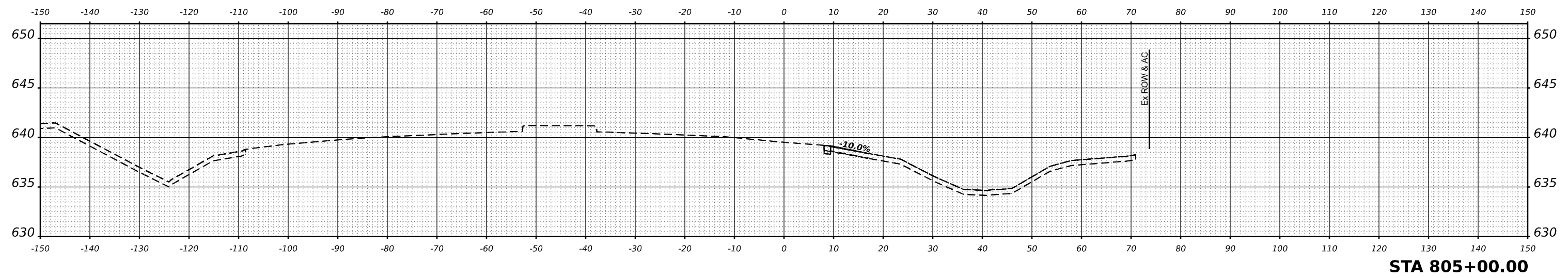
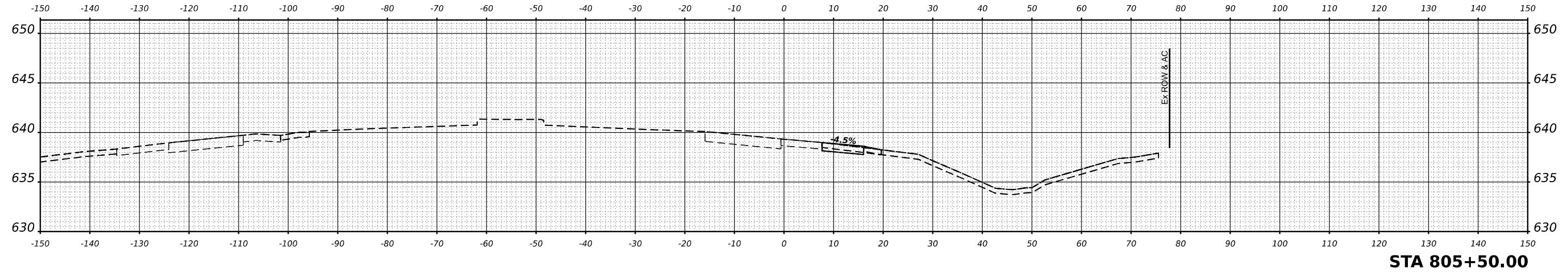


TRANSYSTEMS	USER NAME = vjjanachione	DESIGNED - VLJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1A CROSS SECTIONS LARKIN RAMP C			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -		CONTRACT NO. 62R25							
		DATE - 6/18/24	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE: 10:H 5:V	SHEET 11	OF 11 SHEETS	STA. 716+00.00	716+50.00			

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

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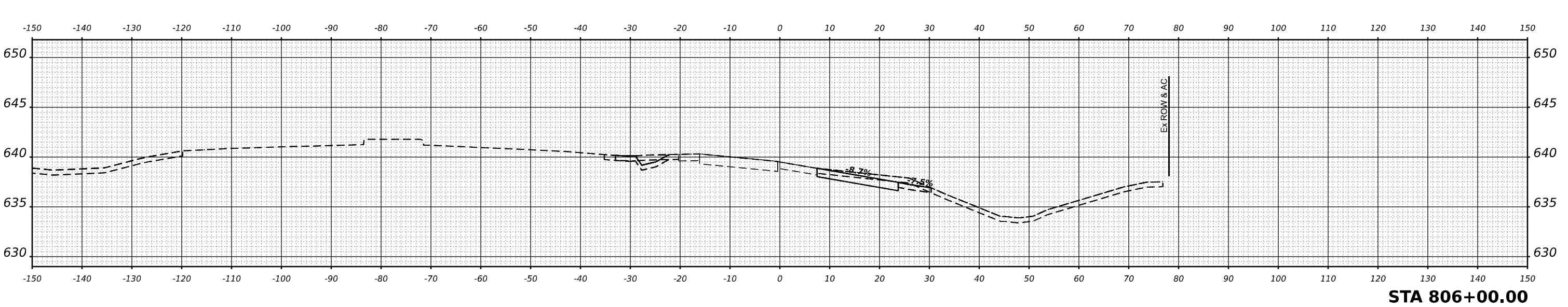
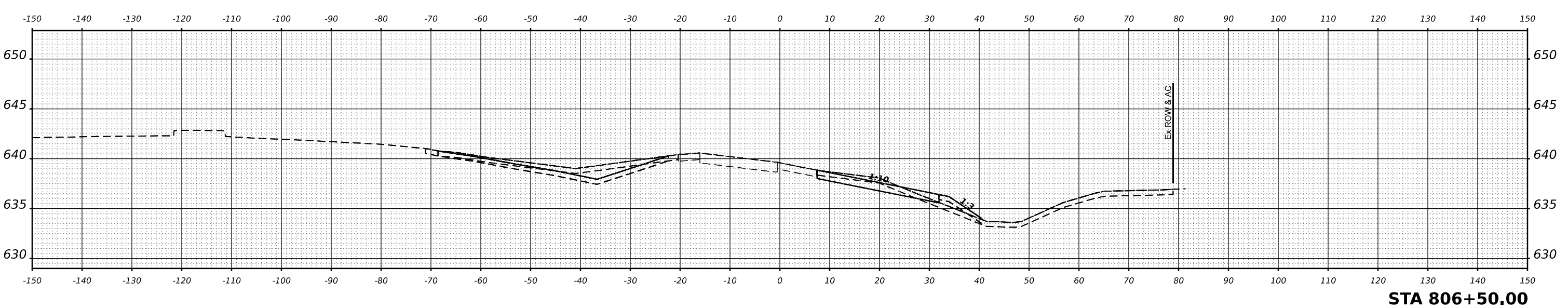
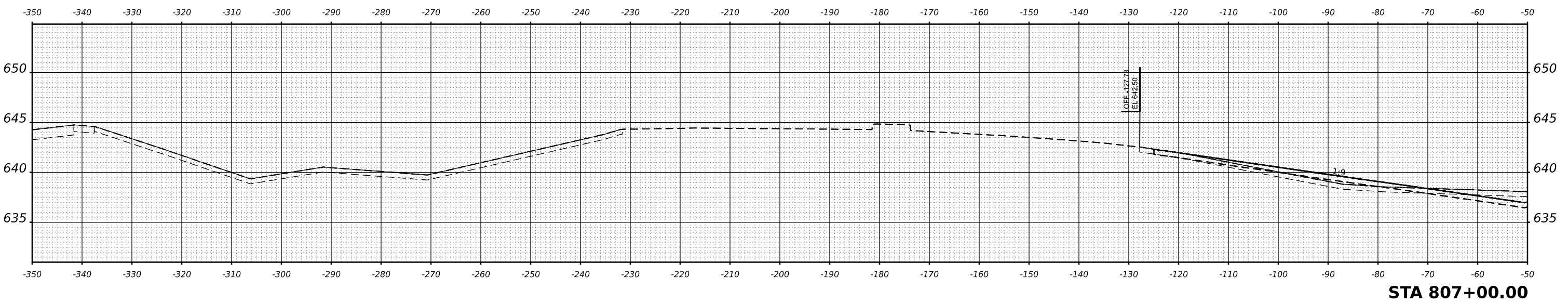


TRANSYSTEMS	USER NAME = vjjanachione	DESIGNED - VLJ	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1A CROSS SECTIONS LARKIN RAMP D			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -					CONTRACT NO. 62R25				
	DATE - 6/18/24	REVISED -		SCALE: 10:H 5:V	SHEET 1	OF 23 SHEETS	STA. 804+50.00	805+50.00	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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TRANSYSTEMS

USER NAME =	vjanachione
PLOT SCALE =	0.16666633 1/ in.
PLOT DATE =	6/18/2024

DESIGNED -	VLJ
DRAWN -	MBM
CHECKED -	JMG
DATE -	6/18/24

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

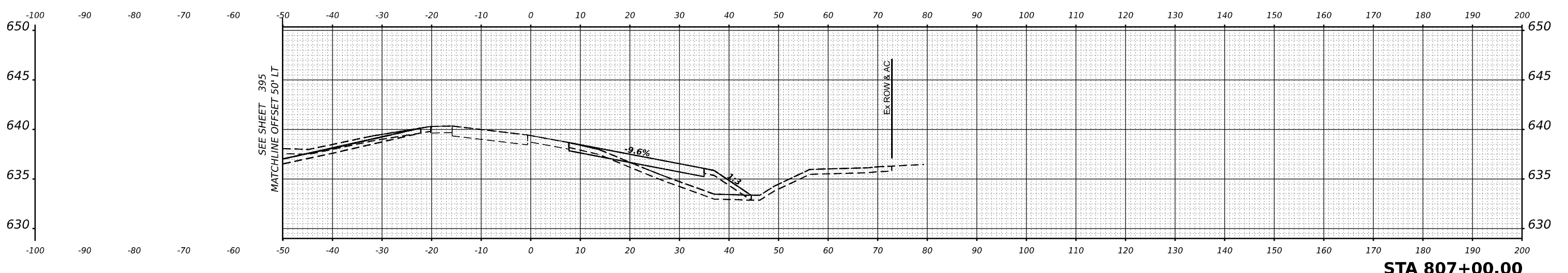
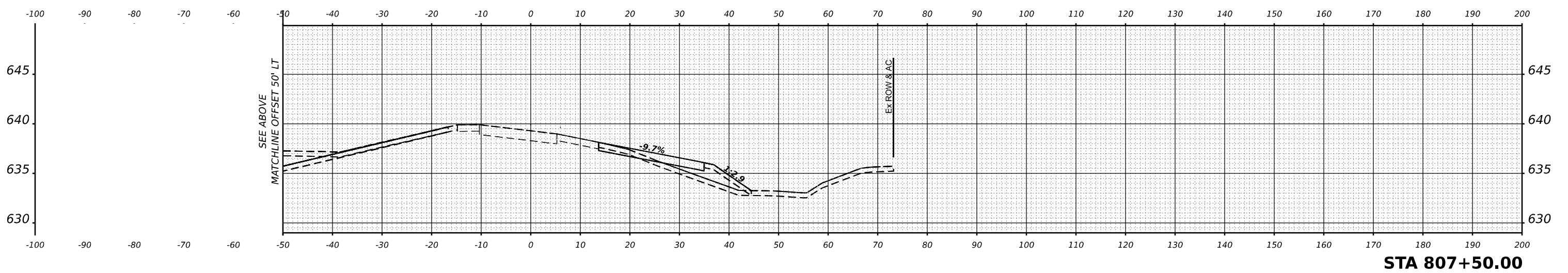
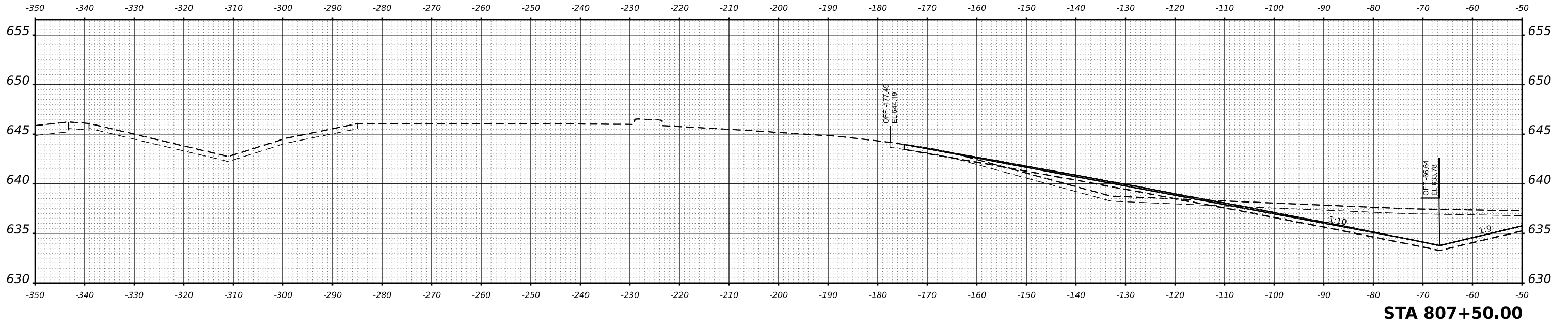
STAGE 1A CROSS SECTIONS LARKIN RAMP D			
SCALE: 10:H 5:V	SHEET 2	OF 23 SHEETS	STA. 806+00.00
			807+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	395
			CONTRACT NO. 62R25	
			ILLINOIS FED. AID PROJECT	

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FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	



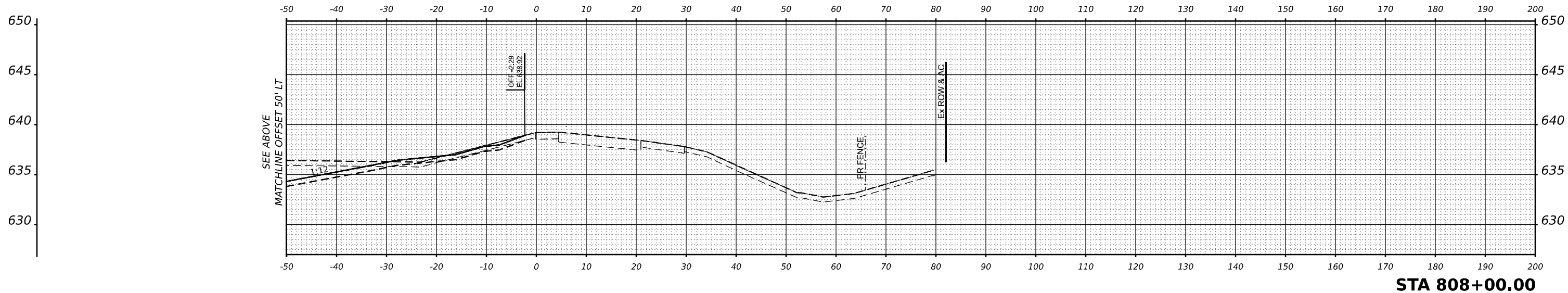
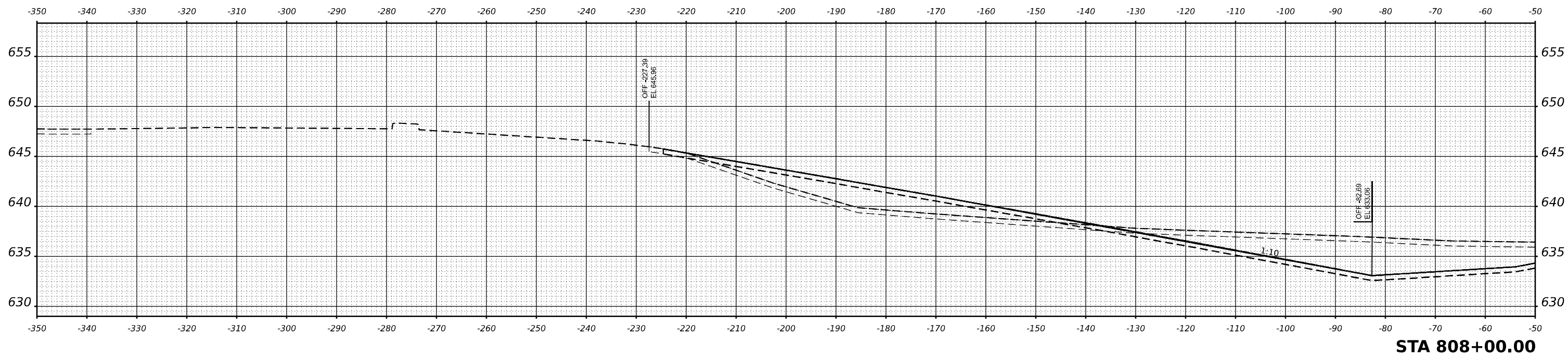
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	PLOT SCALE = 0.16666633 1/ in.	DRAWN - MBM	REVISED -		I-80	FAI 80 21 STRUCTURE 4	WILL	550 396	
	PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -		CONTRACT NO. 62R25				
		DATE - 6/18/24	REVISED -		ILLINOIS FED. AID PROJECT				

SCALE: 10:H 5:V SHEET 3 OF 23 SHEETS STA. 807+00.00 807+50.00

BY		DATE	
FINAL SURVEY	SURVEYED	PLOTTED	DATE
NOTE BOOK	TEMPLATE	AREAS CHECKED	

BY		DATE	
ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE
NOTE BOOK	TEMPLATE	AREAS CHECKED	

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TRANSYSTEMS

USER NAME = vjjanachione	DESIGNED - VLJ	REVISED
PLOT SCALE = 0.16666633 1/ in.	DRAWN - MBM	REVISED -
PLOT DATE = 6/18/2024	CHECKED - JMG	REVISED -
	DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
LARKIN RAMP D**

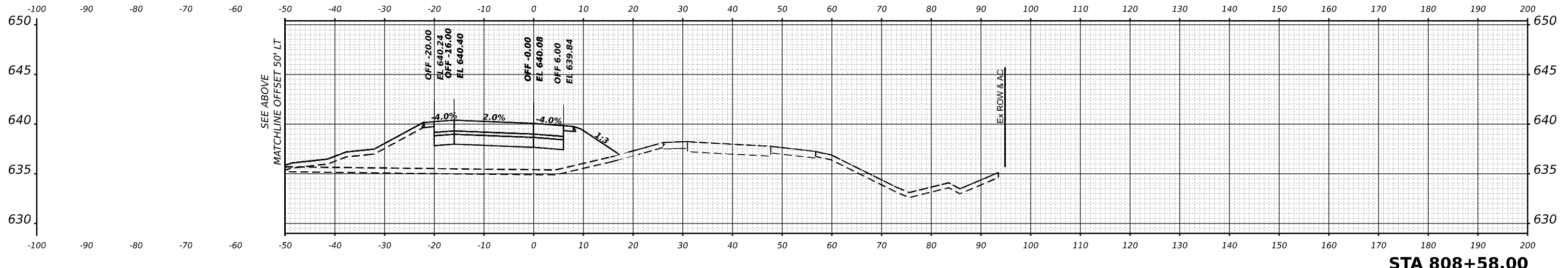
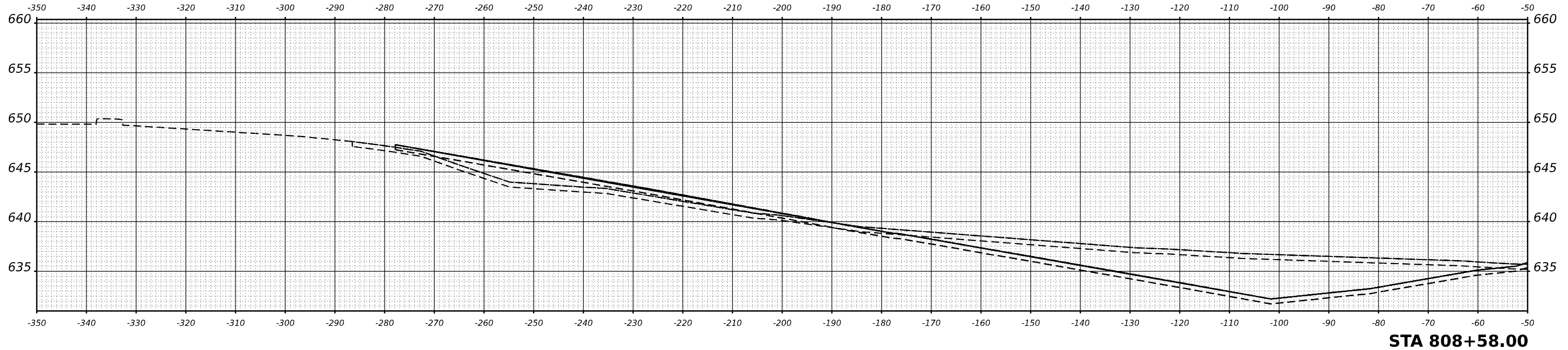
SCALE: 10:H 5:V | SHEET 4 OF 23 SHEETS | STA. 808+00.00 808+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	397
CONTRACT NO. 62R25				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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USER NAME	= vjfanachione
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 6/18/2024

DESIGNED	- VLJ
DRAWN	- MBM
CHECKED	- JMG
DATE	- 6/18/24

REVISED	
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

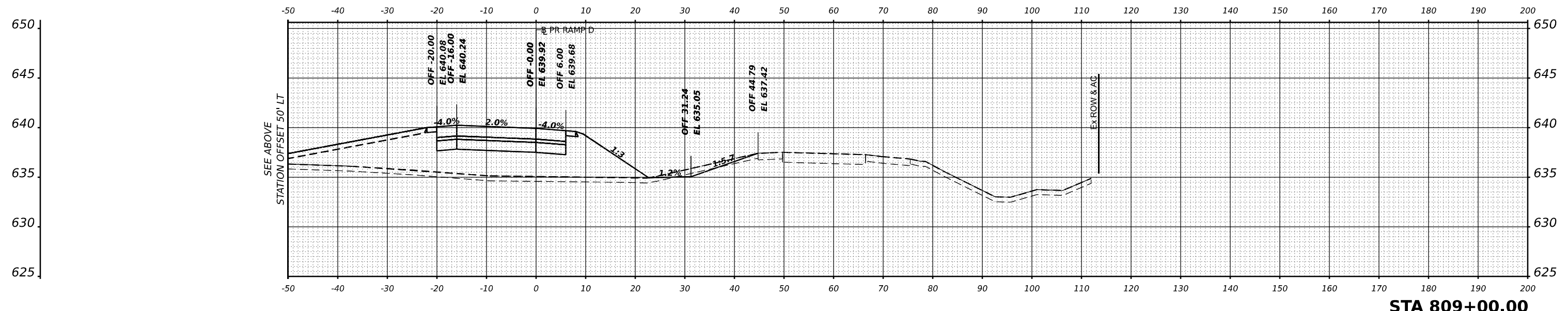
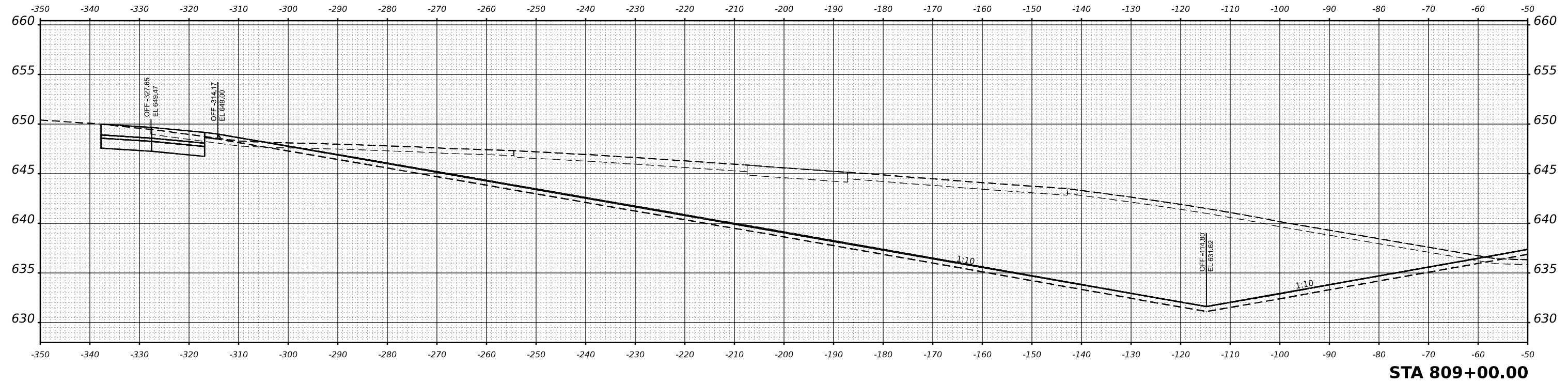
STAGE 1A CROSS SECTIONS LARKIN RAMP D			
SCALE: 10:H 5:V	SHEET 5	OF 23 SHEETS	STA. 808+59.00
			808+59.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	398
				CONTRACT NO. 62R25
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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TRANSYSTEMS	USER NAME = vjjanachione	DESIGNED - VLJ	REVISED
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		DATE - 6/18/24	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

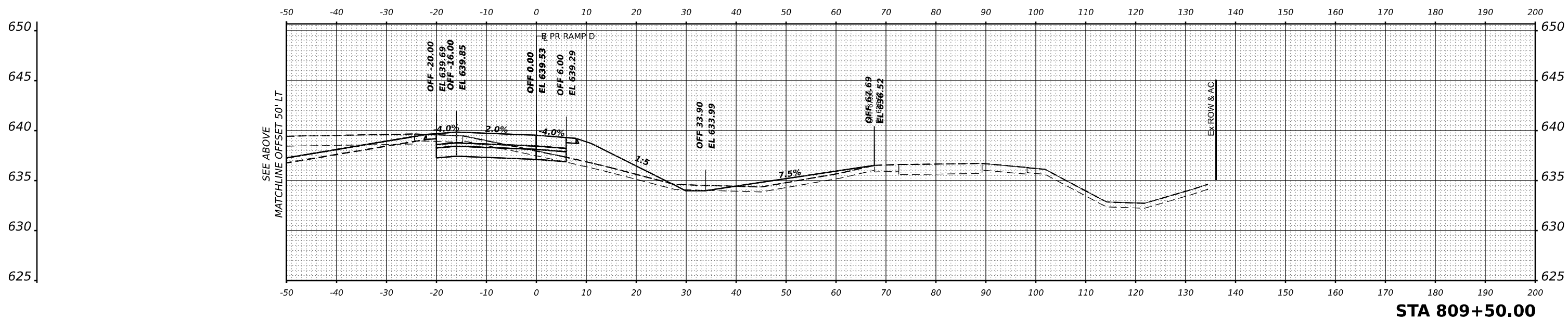
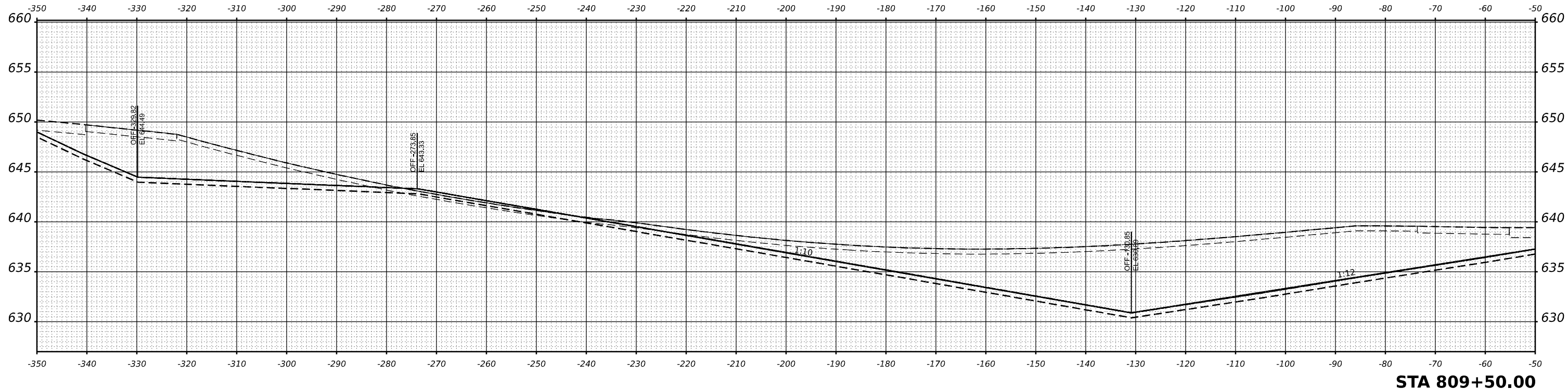
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SCALE: 10:H 5:V	SHEET 6	OF 23 SHEETS	STA. 809+00.00
809+00.00		CONTRACT NO. 62R25	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	399
ILLINOIS				FED. AID PROJECT

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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TRANSYSTEMS

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PLOT DATE	= 6/18/2024

DESIGNED	- VLJ
DRAWN	- MBM
CHECKED	- JMG
DATE	- 6/18/24

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1A CROSS SECTIONS
LARKIN RAMP D**

SCALE: 10:H 5:V	SHEET 7	OF 23 SHEETS	STA. 809+50.00	809+50.00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 4	WILL	550	400
CONTRACT NO. 62R25				
ILLINOIS		FED. AID PROJECT		