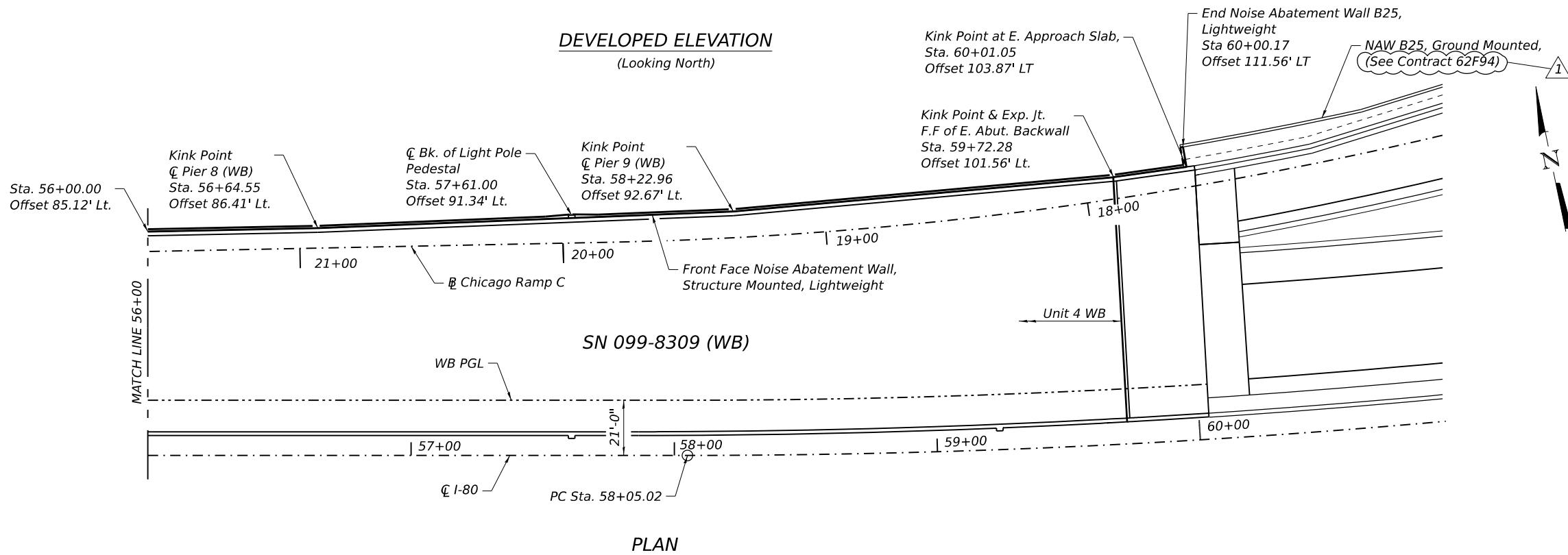
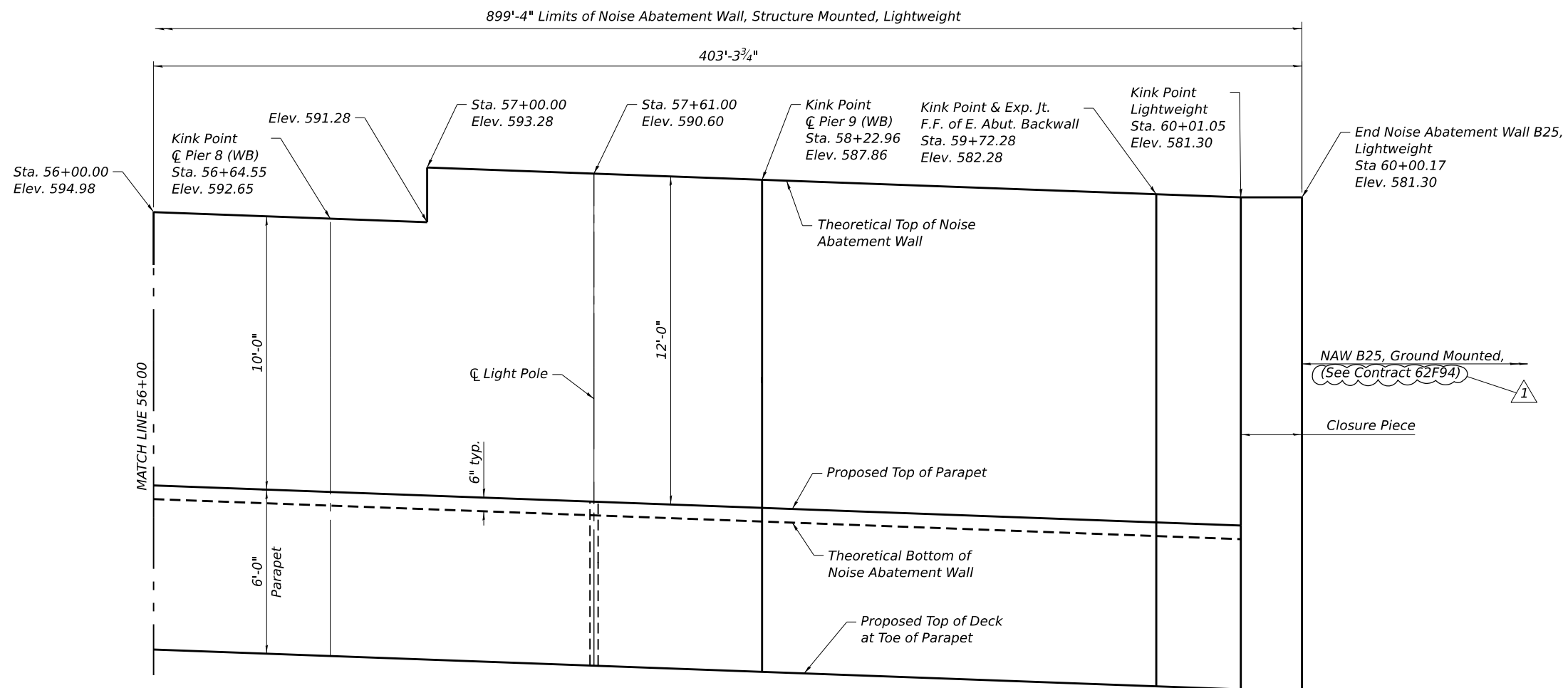




PLAN

DEVELOPED ELEVATION
(Looking North)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION 2
NOISE ABATEMENT WALL (LIGHTWEIGHT) B25 SN 099-N1028

SHEET SA-2 OF SA-4 SHEETS

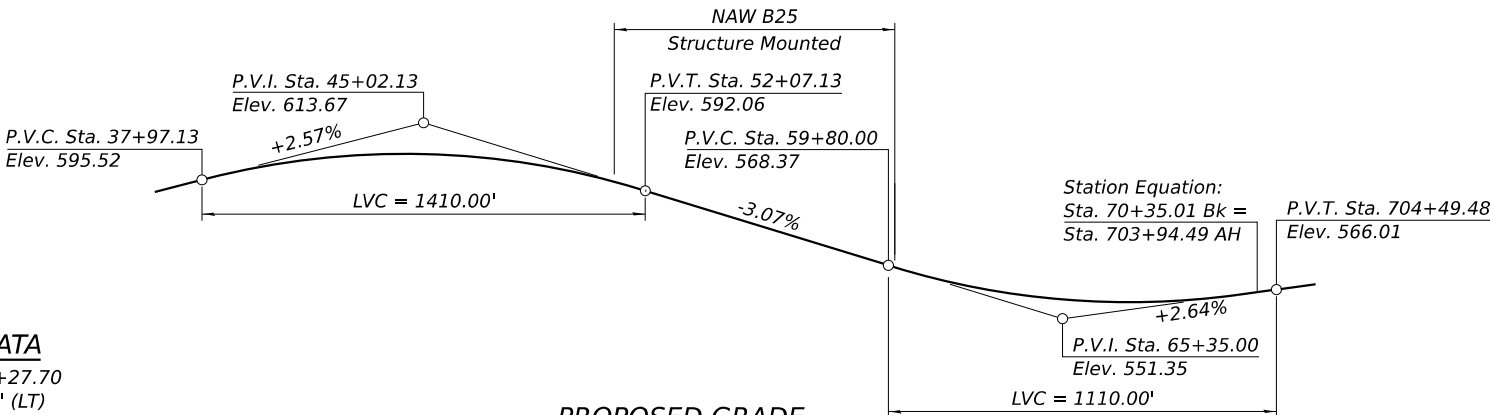
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	916
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

wsp

USER NAME = USGM717780
DESIGNED - PJL
CHECKED - LAS
PLOT SCALE = 500'0" = 1" in.
DRAWN - BK
PLOT DATE = 1/27/2026
CHECKED - PJL
REVISED - 1/30/2026
REVISED -
REVISED -
REVISED -

GENERAL NOTES:

1. A lightweight expansion panel and associated expansion details for the NAW system shall be provided. See Special Provisions for NOISE ABATEMENT WALL, STRUCTURE MOUNTED, Expansion Joint sizes, perpendicular to the joints:
- a) Pier 5 WB - 7½"
- b) Pier 7 WB - 5"
- c) End of Deck East Abutment WB - 2⅞"
2. Post and connection detail to be designed by the Contractor. Steel post maximum spacing shall be 11'-8". The NAW Contractor shall coordinate with the Bridge Contractor for the locations of posts and connections which shall be installed by the Bridge Contractor.
3. For additional Noise Abatement Wall design criteria see the Special Provision for Noise Abatement Wall, Structure Mounted.
4. Noise Abatement Wall shall be detailed to accommodate the Cantilever Sign Structure at Pier 5 WB.
5. Noise Abatement Wall shall be detailed to accommodate the light pole supports as shown on the plans.
6. The NAW panels shall be clear in color. The color of the final finish coat for the NAW posts shall be Gray, Munsell No. 5B 7/1.



CURVE DATA

P.I. Sta. = 64+27.70
Δ = 22°01'22" (LT)
D = 01°47'26"
R = 3,200.00'
T = 622.68'
L = 1,229.99'
E = 60.02'
e = 5.2%
T.R. (EB) = 75'
T.R. (WB) = 93'
S.E. Runoff (EB) = 312'
S.E. Runoff (WB) = 390'
P.C. Sta. = 58+05.02
P.T. Sta. = 703+94.49

PROPOSED GRADE
(Along C Proposed I-80)

WB NOISE ABATEMENT WALL
LOCATION, HEIGHT AND WEIGHT TABLE

Location	Station	Offset	Theoretical Top of NAW Elev.	Theoretical Bottom of NAW Elev.	Top of Parapet Elevation	A Ht. of Parapet (ft)	B Ht. of NAW (ft)	C *Total Ht. (ft)	NAW Weight (k/ft)
Start of NAW B25 (Span 5)	51+04.00	82.42' LT	600.77	597.93	598.43	3.67	2.83	6.00	0.06
C Pier 5	52+09.88	82.58' LT	601.73	597.23	597.73	6.00	4.50	10.00	0.10
C Pier 6	53+60.65	82.58' LT	597.11	592.61	593.11	6.00	4.50	10.00	0.10
Height Transition	54+00.00	82.78' LT	597.90	591.40	591.90	6.00	6.50	12.00	0.13
C Pier 7	55+10.88	83.33' LT	596.41	587.91	588.41	6.00	8.50	14.00	0.18
Height Transition	56+00.00	85.12' LT	594.98	584.48	584.98	6.00	10.50	16.00	0.22
C Pier 8	56+64.55	86.41' LT	592.65	582.15	582.65	6.00	10.50	16.00	0.22
Height Transition	57+00.00	87.82' LT	593.28	580.78	581.28	6.00	12.50	18.00	0.25
C Pier 9	58+22.96	92.67' LT	587.86	575.36	575.86	6.00	12.50	18.00	0.25
F.F. of E. Abut. Backwall	59+72.28	101.56' LT	582.28	569.78	570.28	6.00	12.50	18.00	0.25
Kink at E. Appr. Slab	60+01.05	103.87' LT	581.30	568.80	569.30	6.00	12.50	18.00	0.25
End of NAW B25	60+00.17	111.56' LT	581.30	563.30	-	-	18.00	18.00	0.38

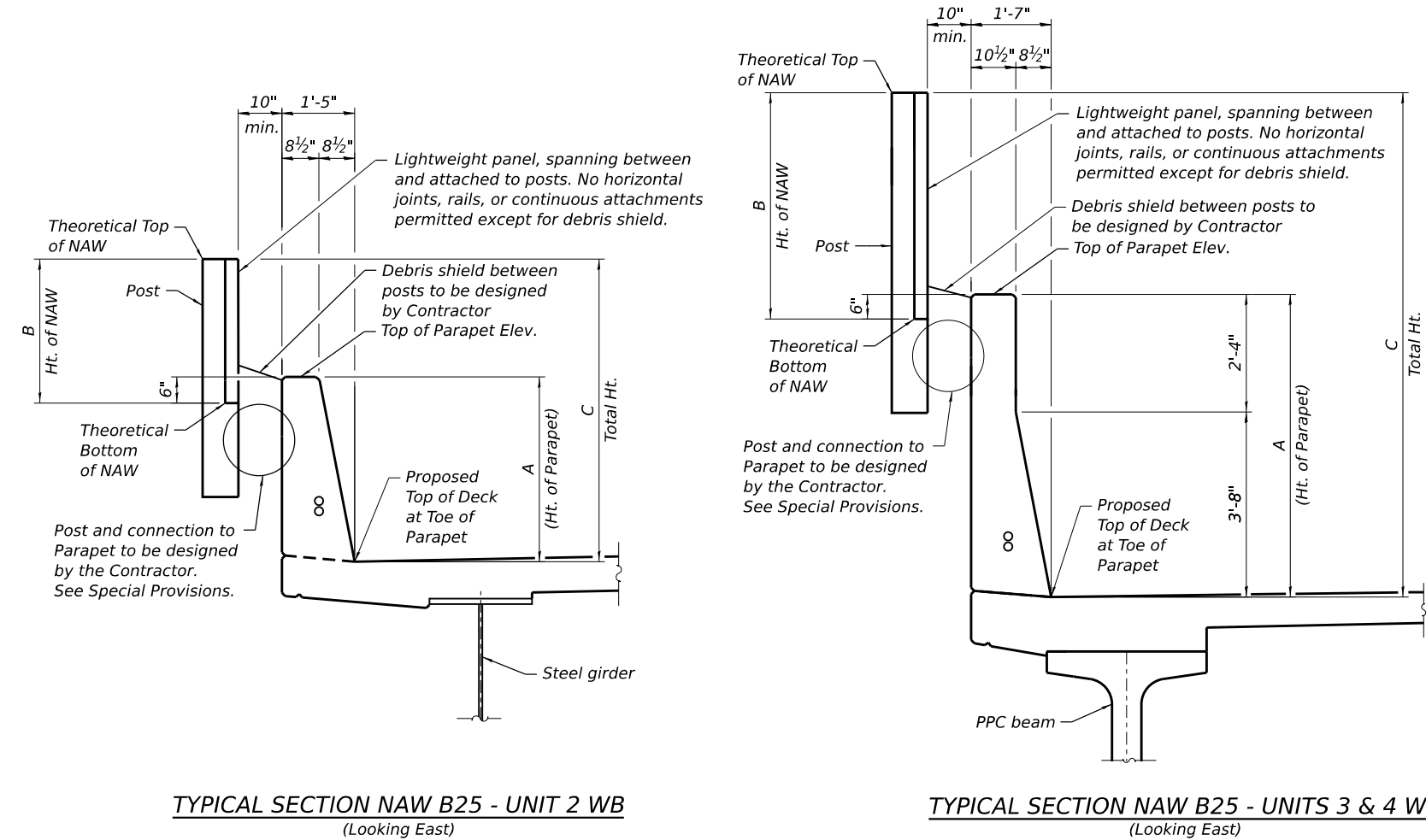
*Total Ht. = Ht. of Parapet + Ht. of NAW - 6" overlap

NOISE REDUCTION DATA

Face	From Sta.	To Sta.	Noise Reduction Coefficient	Comments
I-80 face	51+04.00	60+00.17	Reflective	-
Residential face	51+04.00	60+00.17	Reflective	-

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Noise Abatement Wall, Structure Mounted	Sq. Ft.	7,518



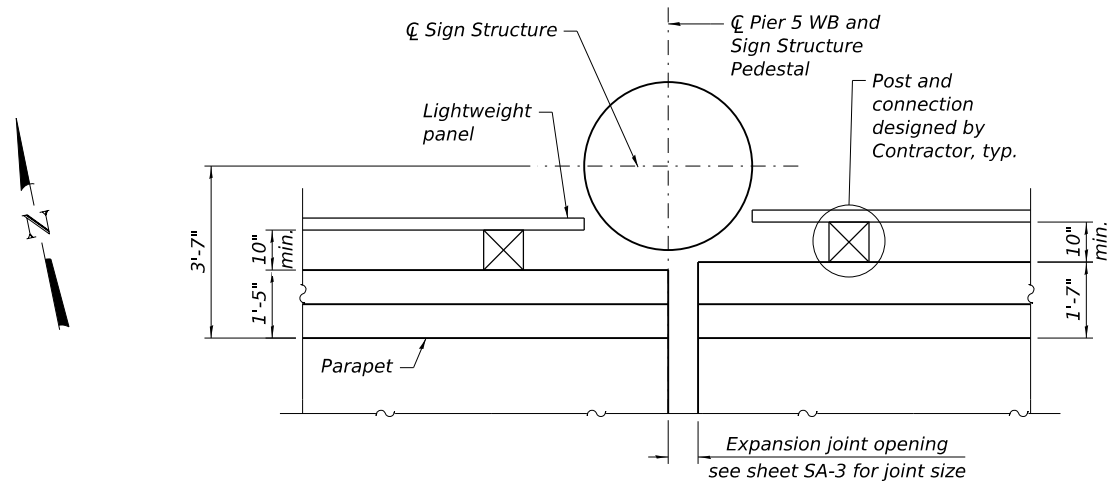
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND BILL OF MATERIALS
NOISE ABATEMENT WALL (LIGHTWEIGHT) B25 SN 099-N1028

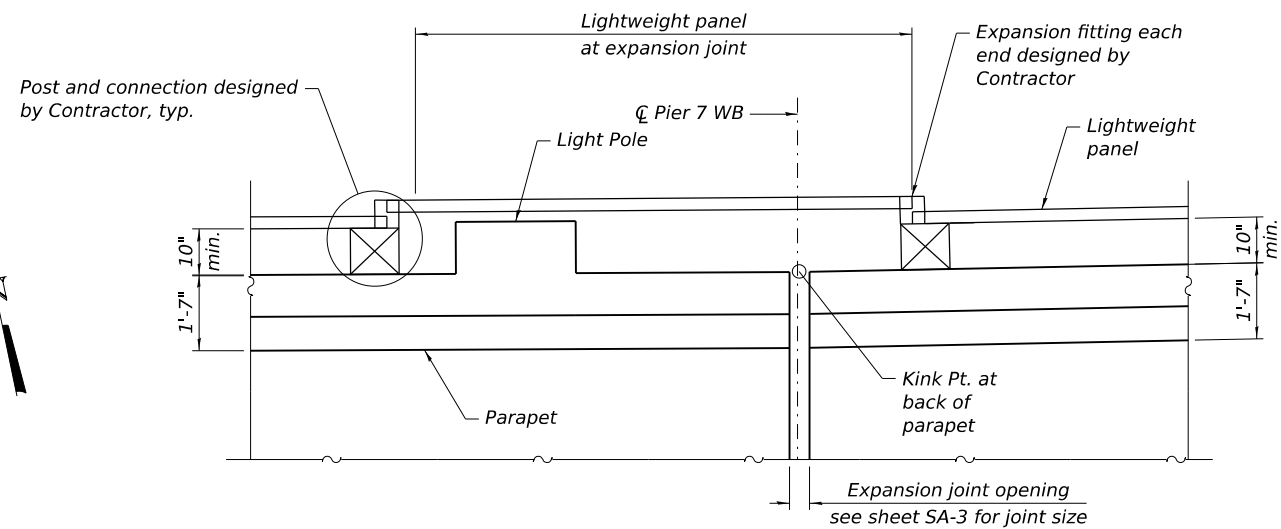
SHEET SA-3 OF SA-4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	917
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

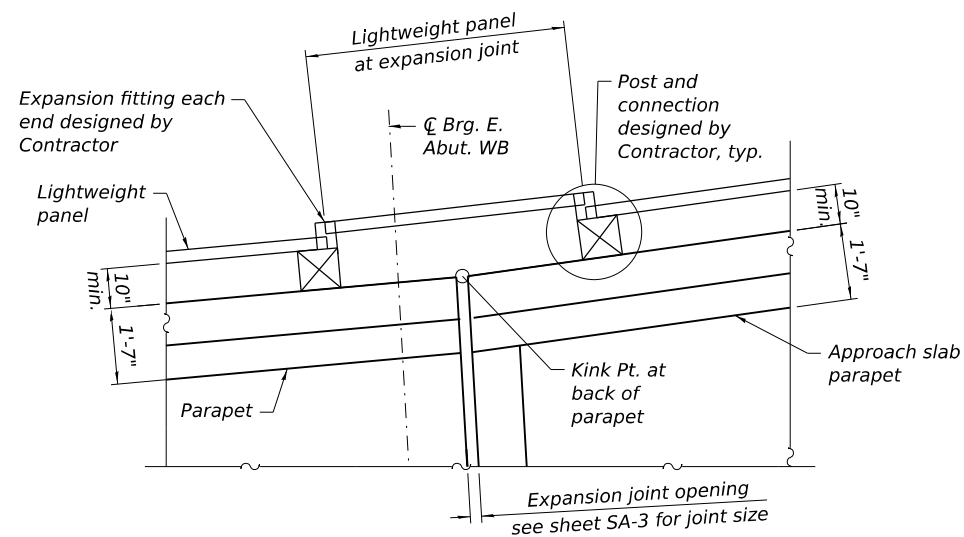
USER NAME = USGM717780	DESIGNED - PJL	REVISED - 01/30/2026
	CHECKED - LAS	REVISED -
PLOT SCALE = 50,000' / in.	DRAWN - BK	REVISED -
PLOT DATE = 1/29/2026	CHECKED - PJL	REVISED -



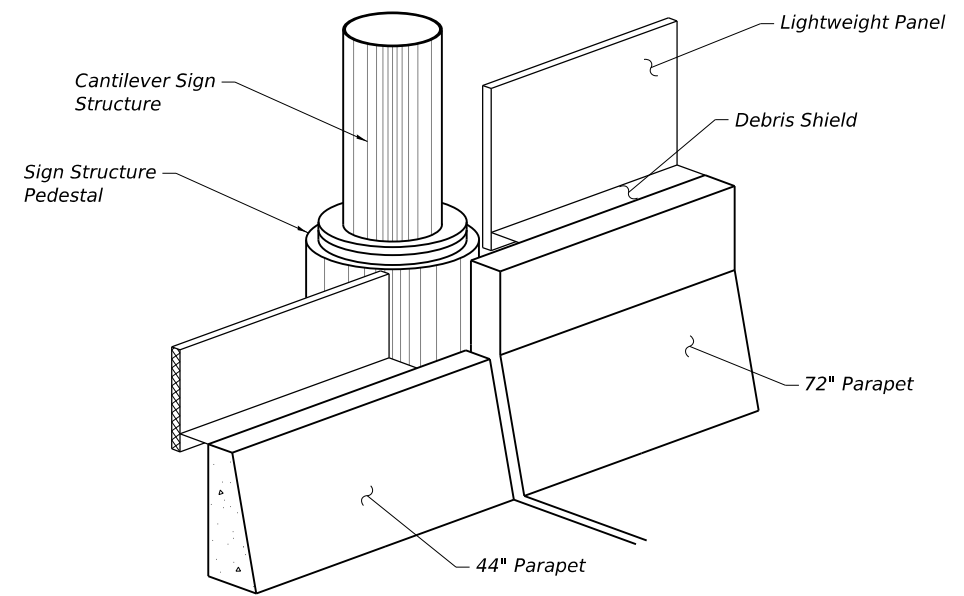
PLAN AT PIER 5 WB



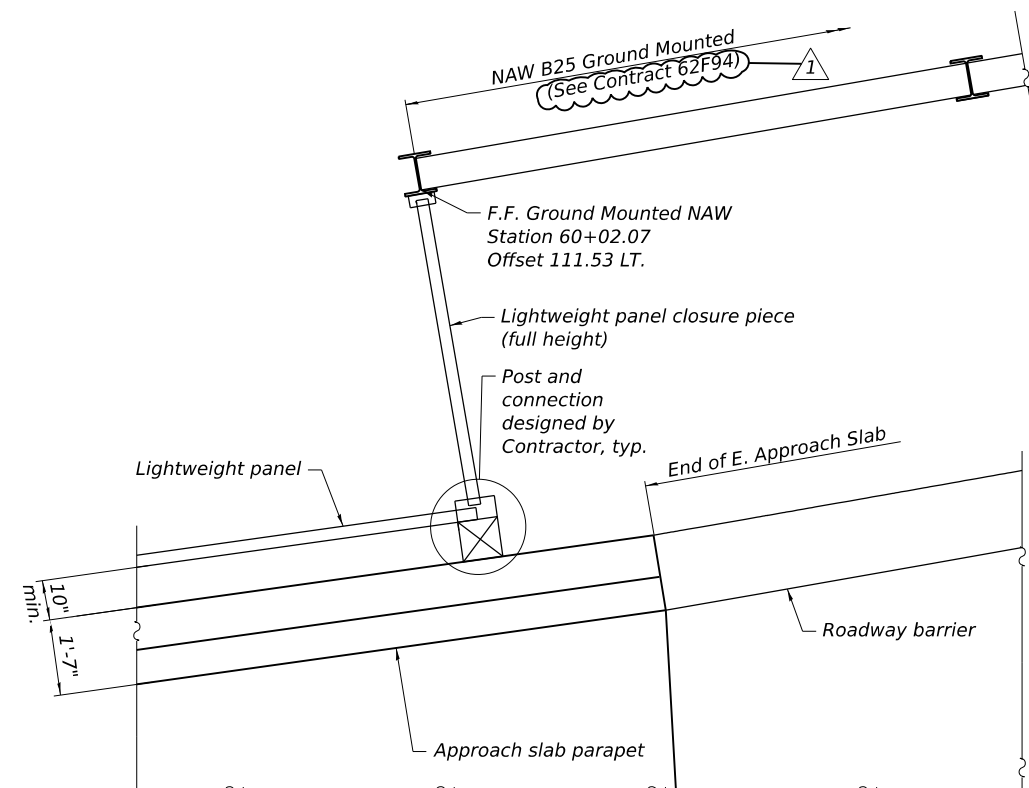
PLAN AT PIER 7 WB



PLAN AT E. ABUT. WB



TRIMETRIC VIEW AT PIER 5 WB
(Posts omitted for clarity)



PLAN AT END OF E. APPROACH SLAB WB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOISE ABATEMENT WALL DETAILS
NOISE ABATEMENT WALL (LIGHTWEIGHT) B25 SN 099-N1028

SHEET SA-4 OF SA-4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	918
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

SB-1 General Plan and Elevation 1
SB-2 General Plan and Elevation 2
SB-3 General Plan and Elevation 3
SB-4 General Notes and Bill of Material
SB-5 Noise Abatement Wall Details

2020 AASHTO LRFD Bridge Design
Specifications, 9th Edition

FIELD UNITS

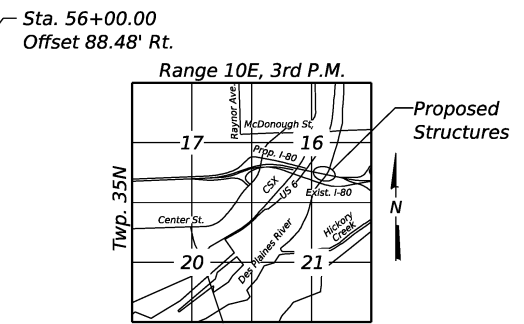
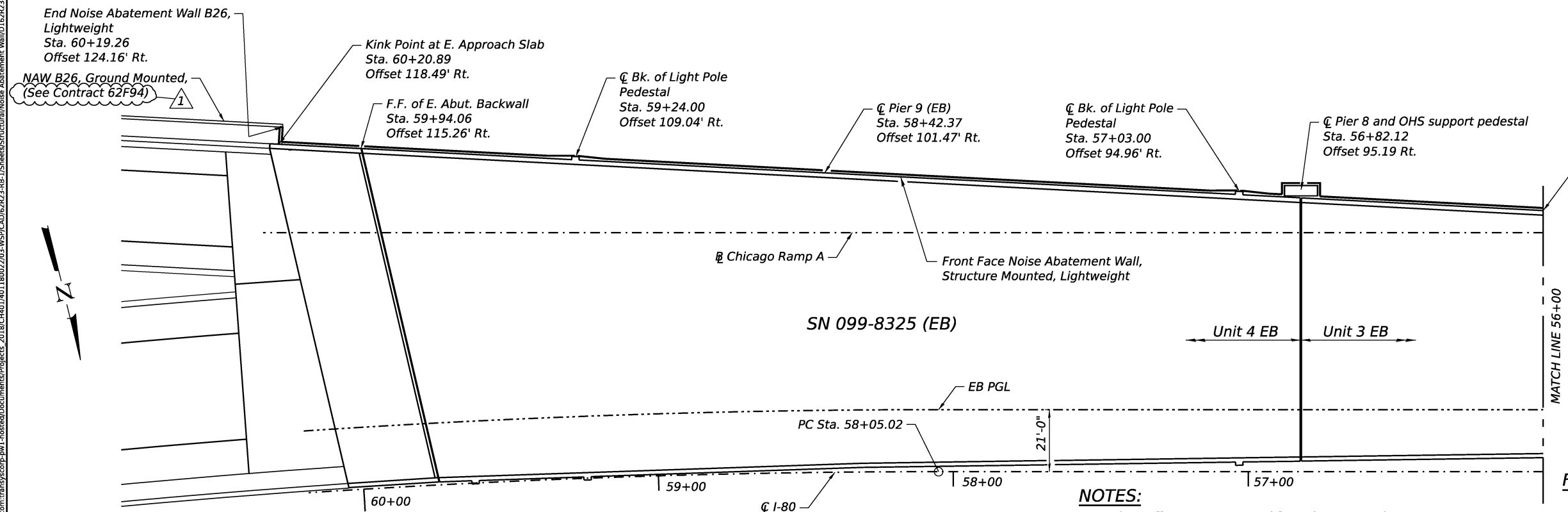
$f_y = 50,000$ psi (Struct. Steel, M270 Grade 50 posts)
 $f_y = 36,000$ psi (Struct. Steel, M270 Grade 36,
all other structural steel)

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



Patrick J. Lamy 1/27/2026

PATRICK J. LAUX, P.E., S.E.
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS LIC. NO. 081-007655
EXPIRES 11-30-2026.



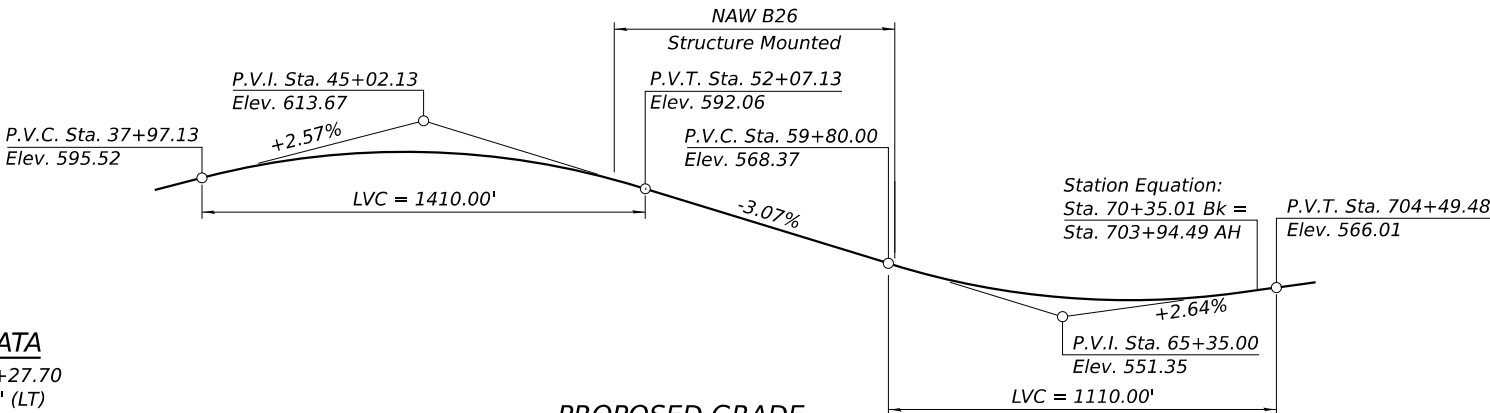
GENERAL PLAN & ELEVATION
NOISE ABATEMENT WALL (LIGHTWEIGHT)
ALONG CHICAGO RAMP 'A'
F.A.I. RTE. 80 SEC. FAI 80 21 STRUCTURE 2
WILL COUNTY
STA. 48+84.00 TO STA. 60+19.26
SN 099-N1029 (NOISE WALL B26)

PLAN

WSP WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1084	USER NAME = USGM717780	DESIGNED - PJL	REVISED - 1/30/2026	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHEET SB-1 OF SB-5 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - LAS	REVISED -			I-80	FAI 80 21 STRUCTURE 2	WILL	1230	919	
	PLOT SCALE = 41:8 " / in.	DRAWN - BK	REVISED -			CONTRACT NO. 62R23					
	PLOT DATE = 1/27/2026	CHECKED - PIL	REVISED -								
							ILLINOIS	FED. AID PROJECT			

GENERAL NOTES:

1. A lightweight expansion panel and associated expansion details for the NAW system shall be provided. See Special Provisions for NOISE ABATEMENT WALL, STRUCTURE MOUNTED, Expansion Joint sizes, perpendicular to the joints:
- a) Pier 5 EB - 7½"
- b) Pier 7 EB - 5"
- c) End of Deck East Abutment EB - 2⅝"
2. Post and connection detail to be designed by the Contractor. Steel post maximum spacing shall be 11'-8". The NAW Contractor shall coordinate with the Bridge Contractor for the locations of posts and connections which shall be installed by the Bridge Contractor.
3. For additional Noise Abatement Wall design criteria see the Special Provision for Noise Abatement Wall, Structure Mounted.
4. Noise Abatement Wall shall be detailed to accommodate the Overhead Sign Structure at Pier 8 EB.
5. Noise Abatement Wall shall be detailed to accommodate the light pole supports as shown on the plans.
6. The NAW panels shall be clear in color. The color of the final finish coat for the NAW posts shall be Gray, Munsell No. 5B 7/1.



CURVE DATA

P.I. Sta. = 64+27.70
Δ = 22°01'22" (LT)
D = 01°47'26"
R = 3,200.00'
T = 622.68'
L = 1,229.99'
E = 60.02'
e = 5.2%
T.R. (EB) = 75'
T.R. (WB) = 93'
S.E. Runoff (EB) = 312'
S.E. Runoff (WB) = 390'
P.C. Sta. = 58+05.02
P.T. Sta. = 703+94.49

PROPOSED GRADE
(Along C Proposed I-80)

EB NOISE ABATEMENT WALL

LOCATION, HEIGHT AND WEIGHT TABLE

Location	Station	Offset	Theoretical Top of NAW Elev.	Theoretical Bottom of NAW Elev.	Top of Parapet NAW Elev.	A Ht. of Parapet (ft)	B Ht. of NAW (ft)	C *Total Ht. (ft)	NAW Weight (k/ft)
Start of NAW B26 (Span 5)	48+84.00	82.42' RT	605.64	602.80	603.30	3.67	2.83	6.00	0.06
C Pier 5	51+85.12	82.58' RT	598.48	595.65	596.15	3.67	2.83	6.00	0.10
C Pier 6	53+49.87	82.58' RT	597.44	592.94	593.44	6.00	4.50	10.00	0.10
Height Transition	53+68.00	82.77' RT	598.88	592.38	592.88	6.00	6.50	12.00	0.13
Height Transition	53+84.00	82.93' RT	600.39	591.89	592.39	6.00	8.50	14.00	0.18
Height Transition	54+00.00	83.10' RT	601.89	591.39	591.89	6.00	10.50	16.00	0.22
Height Transition	55+00.00	84.12' RT	600.77	588.27	588.77	6.00	12.50	18.00	0.25
C Pier 7	55+20.87	84.33' RT	600.13	587.63	588.13	6.00	12.50	18.00	0.25
C Pier 8	56+82.12	92.78' RT	595.58	583.08	583.58	6.00	12.50	18.00	0.25
C Pier 9	58+42.37	101.47' RT	591.23	578.73	579.23	6.00	12.50	18.00	0.25
F.F. of E. Abut. Backwall	59+94.06	115.26' RT	586.54	574.04	574.54	6.00	12.50	18.00	0.25
Kink at E. Appr. Slab	60+20.89	118.49' RT	585.76	573.26	573.76	6.00	12.50	18.00	0.25
End of NAW B26	60+19.26	124.16' RT	585.76	567.76	-	-	18.00	18.00	0.38

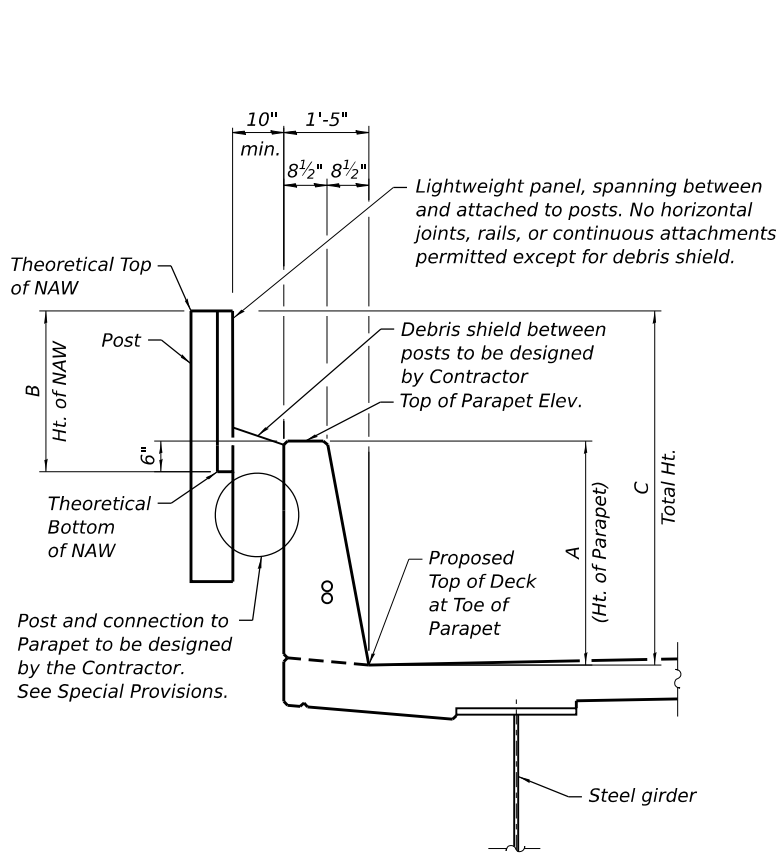
*Total Ht. = Ht. of Parapet + Ht. of NAW - 6" overlap

NOISE REDUCTION DATA

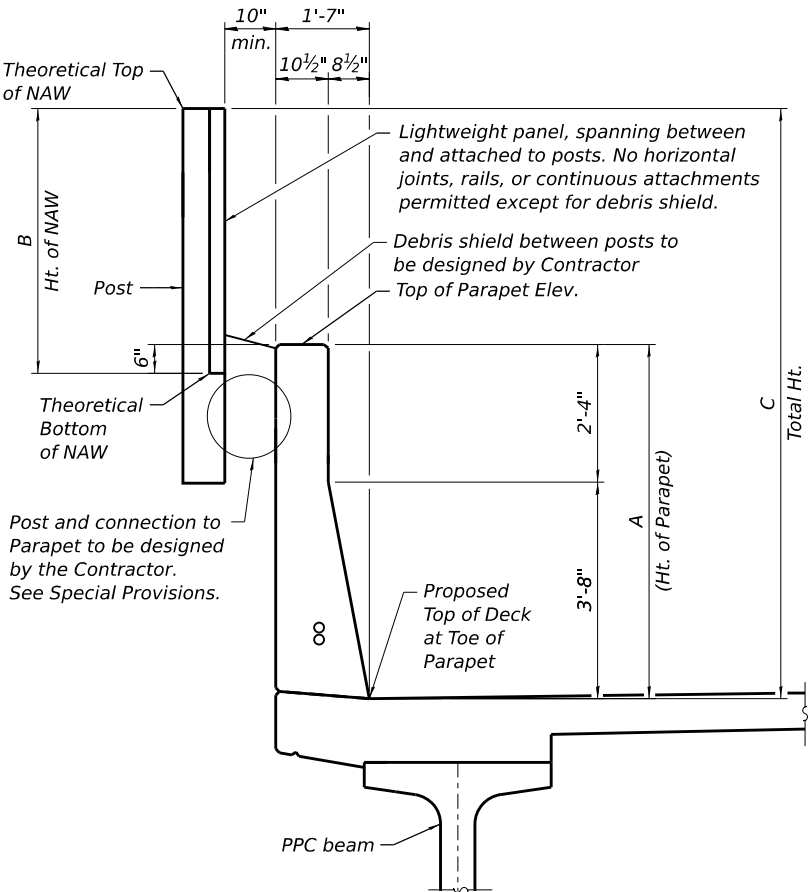
Face	From Sta.	To Sta.	Noise Reduction Coefficient	Comments
I-80 face	48+84.00	60+19.26	Reflective	-
Residential face	48+84.00	60+19.26	Reflective	-

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Noise Abatement Wall, Structure Mounted	Sq. Ft.	9,679



TYPICAL SECTION NAW B26 - UNIT 2 EB
(Looking West)



TYPICAL SECTION NAW B26 - UNITS 3 & 4 EB
(Looking West)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND BILL OF MATERIALS
NOISE ABATEMENT WALL (LIGHTWEIGHT) B26 SN 099-N1029

SHEET SB-4 OF SB-5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	922
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

USER NAME = USGM717780	DESIGNED - PJL	REVISED - 01/30/2026
CHECKED - LAS	REVISED -	
PLOT SCALE = 50,000' / in.	DRAWN - BK	REVISED -
PLOT DATE = 1/29/2026	CHECKED - PJL	REVISED -

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

USER NAME	= USGM717780
PLOT SCALE	= 50,000 ' / in.
PLOT DATE	= 1/27/2026

DESIGNED -	MIS
CHECKED -	PJL
DRAWN -	GM
CHECKED -	MIS

REVISED -	 1/30/2026
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BLANK SHEET

SHEET SC-1 OF SC-3 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	924
			CONTRACT NO. 62R23	
		ILLINOIS	FED. AID PROJECT	

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

USER NAME	= USGM717780
PLOT SCALE	= 50,000 ' / in.
PLOT DATE	= 1/27/2026

DESIGNED -	MIS
CHECKED -	PJL
DRAWN -	GM
CHECKED -	MIS

REVISED -	 1/30/2026
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BLANK SHEET

SHEET SC-2 OF SC-3 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	925
			CONTRACT NO. 62R23	
		ILLINOIS	FED. AID PROJECT	

MODEL NOISE WALLS DETAILS
FILE NAME: p:\projects\transcorp\pwt\hosted\Documents\Projects_2018\CH401\401180022\03-WSP\CAD\62R23-RB-1-Sheets\Structural\Noise Abatement Wall\0162R23-SC3-NAWB25-DET.dgn



WSP USA Inc.

30 N. LASALLE STREET

SUITE 4000

CHICAGO, IL 60602

TEL: (312) 782-8150

FAX: (312) 782-1684

USER NAME	= USGM717780	DESIGNED -	MIS	REVISED -	 1/30/2026
		CHECKED -	PJL	REVISED -	
PLOT SCALE	= 0.16666667 ' / in.	DRAWN -	GM	REVISED -	
PLOT DATE	= 1/27/2026	CHECKED -	MIS	REVISED -	

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION



BLANK SHEET

SHEET SC-3 OF SC-3 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	926
			CONTRACT NO. 62R23	
		ILLINOIS	FED. AID PROJECT	

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

USER NAME	= USGM717780
PLOT SCALE	= 50:0' : " / in.
PLOT DATE	= 1/27/2026

DESIGNED -	MIS
CHECKED -	PJL
DRAWN -	GM
CHECKED -	MIS

REVISED -	 1/30/2026
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BLANK SHEET

SHEET SD-1 OF SD-3 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	927
			CONTRACT NO. 62R23	
		ILLINOIS	FED. AID PROJECT	

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

USER NAME	= USGM717780
PLOT SCALE	= 50,000 ' / in.
PLOT DATE	= 1/27/2026

DESIGNED -	MIS
CHECKED -	PJL
DRAWN -	GM
CHECKED -	MIS

REVISED -	 1/30/2026
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BLANK SHEET

SHEET SD-2 OF SD-3 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	928
			CONTRACT NO. 62R23	
		ILLINOIS	FED. AID PROJECT	

MODEL NOISE WALLS DETAILS
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WSP USA Inc.

30 N. LASALLE STREET

SUITE 4000

CHICAGO, IL 60602

TEL: (312) 782-8150

FAX: (312) 782-1684

USER NAME	= USGM717780
PLOT SCALE	= 0.16666667 ' / in.
PLOT DATE	= 1/27/2026

DESIGNED -	MIS
CHECKED -	PJL
DRAWN -	GM
CHECKED -	MIS

REVISED -	1 1/30/2026
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

1

BLANK SHEET

SHEET SD-3 OF SD-3 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	929
			CONTRACT NO. 62R23	
		ILLINOIS	FED. AID PROJECT	

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

Stage construction shall be utilized to maintain traffic during construction.

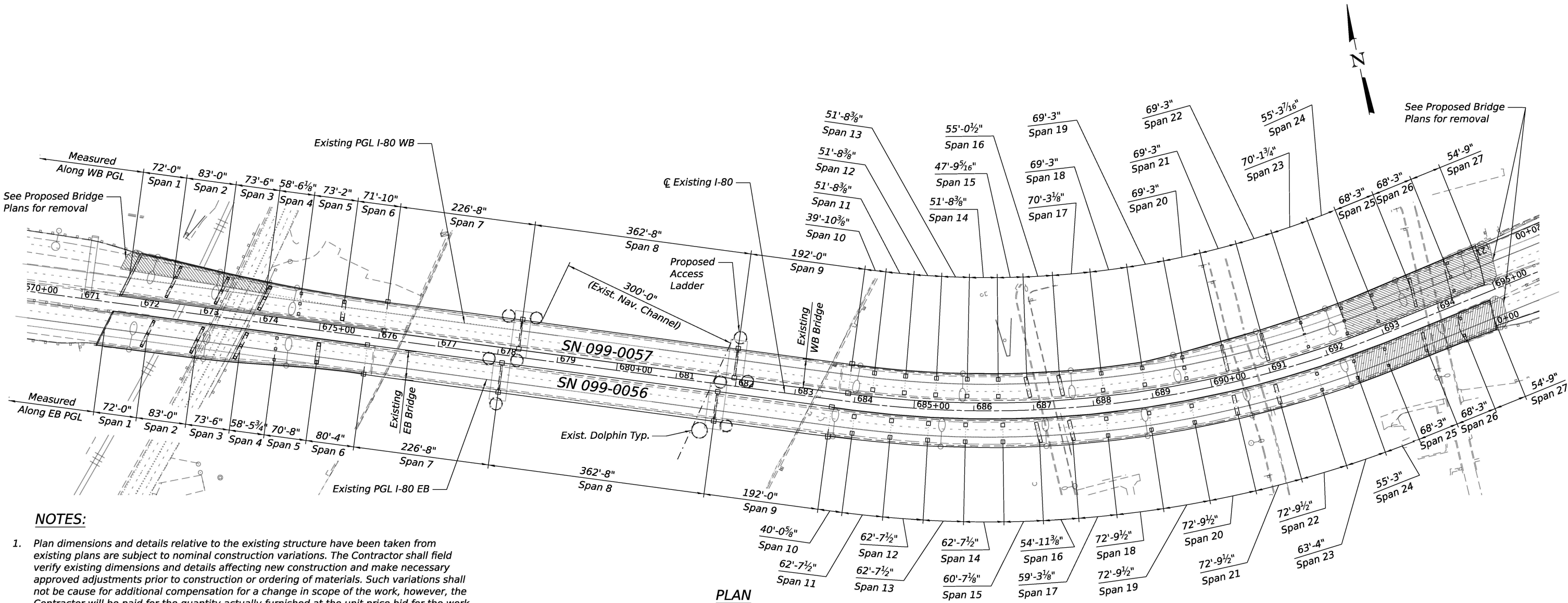
No salvage.

INDEX OF SHEETS

- 1. General Plan
- 2. Steel Repair Key Plan
- 3. Floorbeam Repair 1
- 4. Floorbeam Repair 2
- 5. Floorbeam Repair 3
- 6. Girder 9 End Repair
- 7. Access Ladder

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Access Ladder	Each	1
Structural Steel Repair	Pound	23,790
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	537
Deck Slab Repair (Partial)	Sq. Yd.	1,343



NOTES:

- 1. 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.
- 2. Contractor shall not scale dimensions from the contract plans for construction purposes.
- 3. Deck slab repair areas are based upon 5% of the deck needing partial depth repairs, and 2% of the deck needing full depth repairs. Actual location and size of deck repairs shall be determined by the Engineer in the field at the time of construction and shown on As-built plans. See Special Provision "Bridge Deck Maintenance Patching".
- 4. Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts ¾ in. diameter, holes 13/16 in. diameter, unless otherwise noted.
- 5. All structural steel shall be AASHTO M270 Grade 50.
- 6. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
- 7. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures", and the Standard Specifications.
- 8. All new structural steel and bearing assemblies shall be hot-dip galvanized. See Special Provisions for "Hot Dip Galvanizing for Structural Steel".

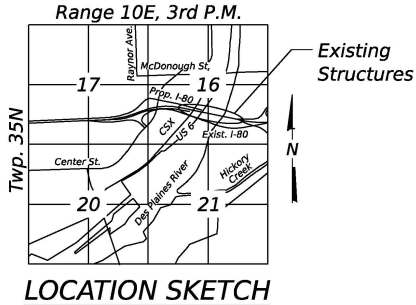
PLAN

SCOPE OF WORK

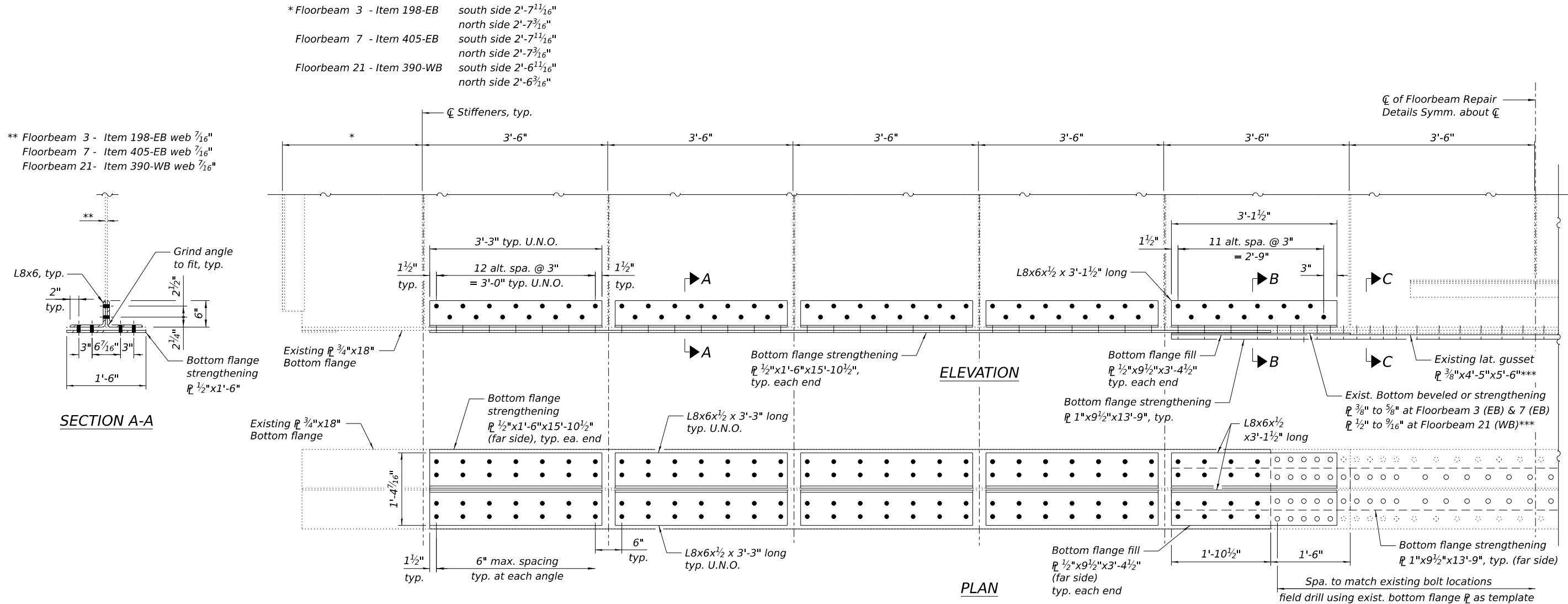
- 1. Perform partial or full depth deck slab repair.
- 2. Replace Access Ladder at Exist. Dolphin.
- 3. Perform structural steel repair.



Patrick J. Laux, P.E., S.E.
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This stamp applies to sheets 1 thru 7



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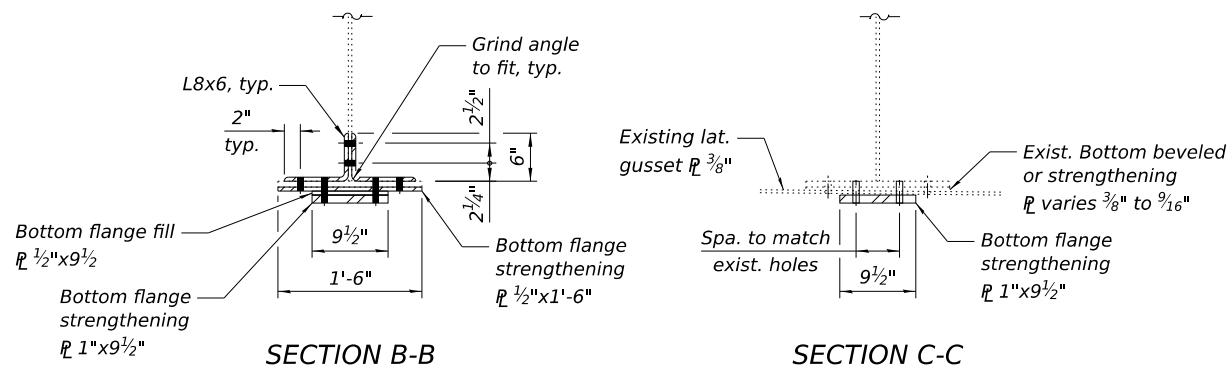


FLOORBEAM 3 (EB), 7 (EB) & 21 (WB)
BOTTOM FLANGE STRENGTHENING DETAIL
(2025 NBIS Item 198-EB, 405-EB, and 390-WB)

*** Existing $\bar{P}$ lengths, thicknesses, and bolt locations at interface to prop. strengthening $\bar{P}$ s shall be field verified prior to plate fabrication

Note:
Contact surfaces for all details on this sheet are to be cleaned and painted per the requirements of primary connections as per the special provision "Cleaning and Painting Contact Surface Area of Existing Steel Structures".

Note:
See Section A-A for spacing of bolts on the bottom flange strengthening $\bar{P}$ s



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

USER NAME	= USGM717780	DESIGNED -	LAS	REVISED -	1 01/30/2026
		CHECKED -	PJL	REVISED -	
PLOT SCALE	= 0:2 " = 1' in.	DRAWN -	GM	REVISED -	
PLOT DATE	= 1/27/2026	CHECKED -	PJL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLOORBEAM REPAIR 1
STRUCTURE NUMBER 099-0056 EB AND 099-0057 WB

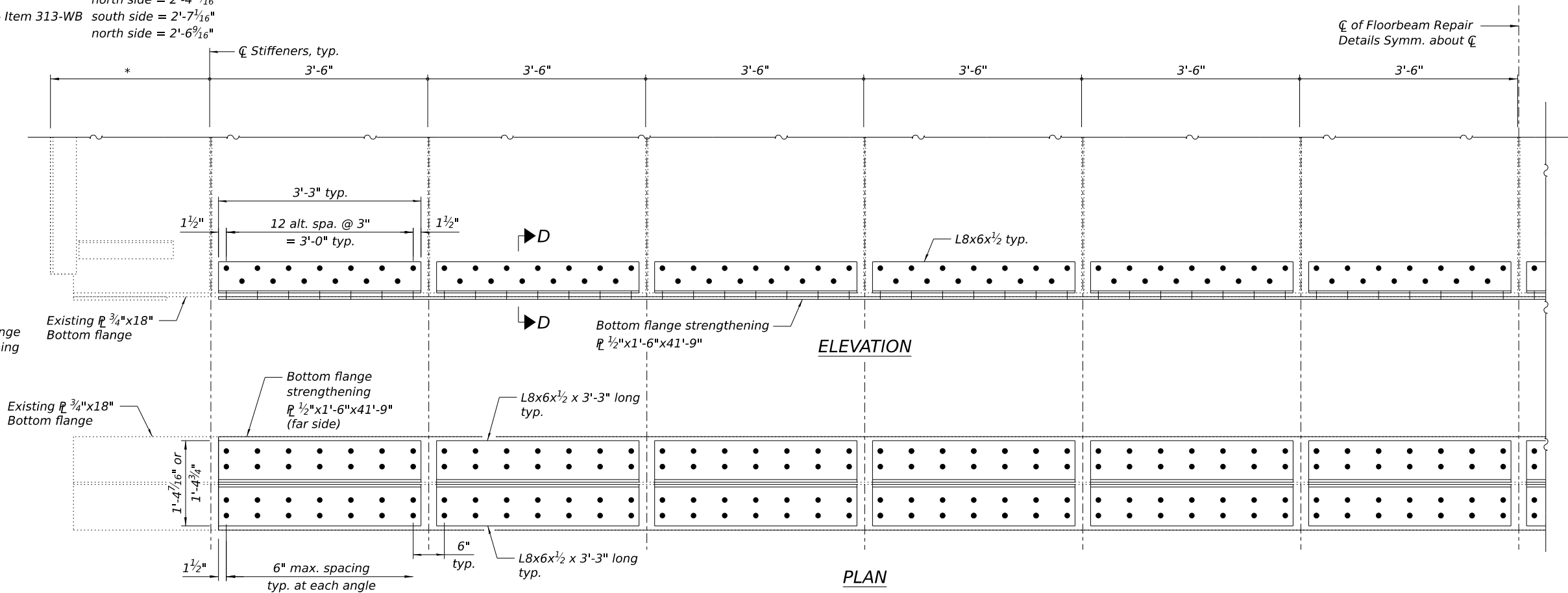
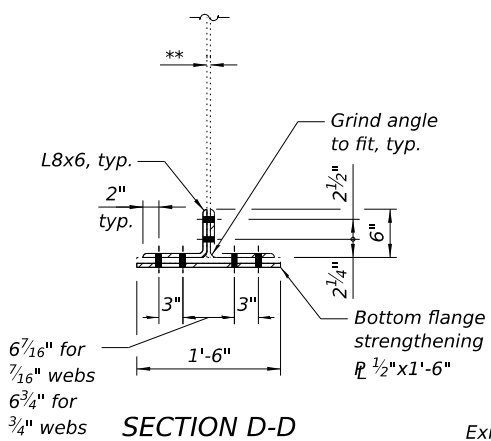
SHEET 3 OF 7 SHEETS

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

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* Floorbeam 12 - Item 408-EB south side = 2'-6¹¹/₁₆"
north side = 2'-6³/₁₆"
Floorbeam 26 - Item 275-EB south side = 2'-5⁵/₁₆"
north side = 2'-4¹³/₁₆"
Floorbeam 32 - Item 313-WB south side = 2'-7¹/₁₆"
north side = 2'-6⁹/₁₆"

** Floorbeam 12 - Item 408-EB web = ⁷/₁₆"
Floorbeam 26 - Item 275-EB web = ³/₄"
Floorbeam 32 - Item 313-WB web = ³/₄"



FLOORBEAM 12 (EB), 26 (EB) & 32 (WB)
BOTTOM FLANGE STRENGTHENING DETAIL
(2025 NBIS Item 408-EB, 275-EB, and 313-WB)

Note:
Contact surfaces for all details on this sheet are to be cleaned and painted per the requirements of primary connections as per the special provision "Cleaning and Painting Contact Surface Area of Existing Steel Structures".



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PLOT DATE = 1/27/2026	CHECKED - PJL	REVIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLOORBEAM REPAIR 2
STRUCTURE NUMBER 099-0056 EB AND 099-0057 WB

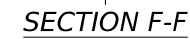
SHEET 4 OF 7 SHEETS

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

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Contact surfaces for all details on this sheet are to be cleaned and painted per the requirements of primary connections as per the special provision "Cleaning and Painting Contact Surface Area of Existing Steel Structures".

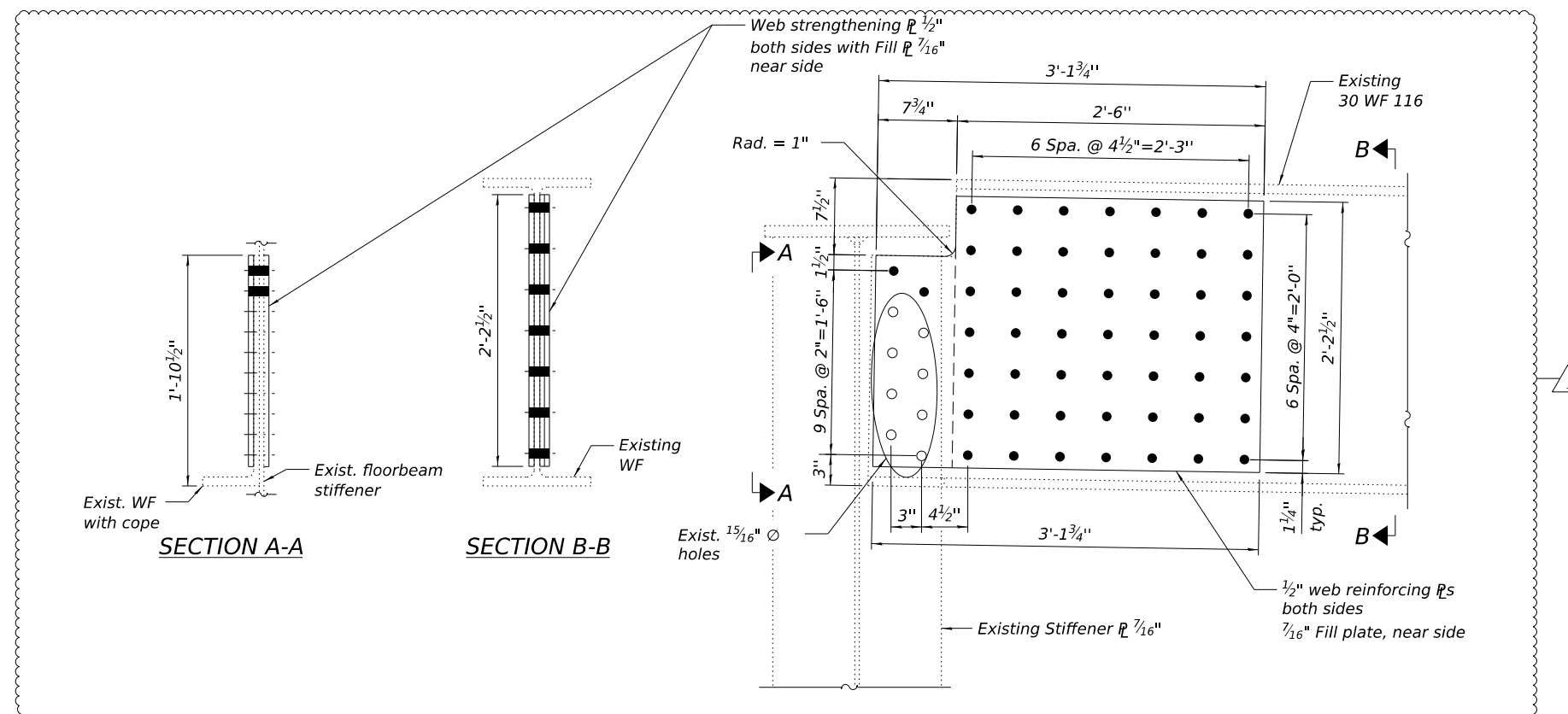
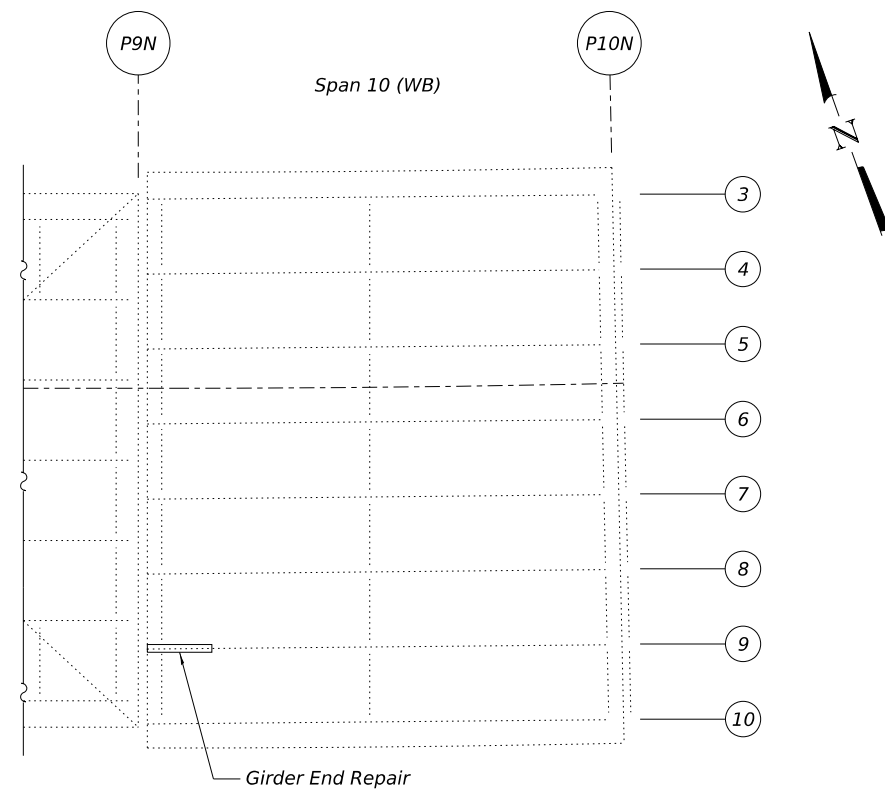


(2025 NBIS Item 247-WB)



(2025 NBIS Item 17-WB)

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GIRDER 9 END REPAIR DETAIL
(2025 NBIS Item 342)
(Looking North)

WSP WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = USGM717780	DESIGNED - LAS	REVISED - 1 01/30/2026	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GIRDER 9 END REPAIR STRUCTURE NUMBER 099-0056 EB AND 099-0057 WB	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0=2" = 1' in.	CHECKED - PJL	REVISED -			80	FAI 80 21 STRUCTURE 2	WILL	1230	947
	PLOT DATE = 1/27/2026	DRAWN - GM	REVISED -			CONTRACT NO. 62R23				
	CHECKED - PJL	REVISED -	SHEET 6 OF 7 SHEETS							
								ILLINOIS	FED. AID PROJECT	



Diagram 1: A triangle with a vertical line segment extending upwards from its top vertex, labeled '1'.

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	PLOT DATE = 1/27/2026	CHECKED - PJL	REVISED -							
	SHEET 7 OF 7 SHEETS									