

INDEX OF SHEETS

- 1 . COVER SHEET
- 2 . GENERAL NOTES
- 3 . SUMMARY OF QUANTITIES
- 4 . TYPICAL SECTIONS - LOCATION NO. 1 - STRUCTURE NO. 050-0079
- 5 . TYPICAL SECTIONS - LOCATION NO. 1 - STRUCTURE NO. 032-0099
- 6 - 13 . EXISTING STRUCTURE PLANS - LOCATION NO. 1 - STRUCTURE NO. 050-0079
- 14 - 23 . EXISTING STRUCTURE PLANS - LOCATION NO. 2 - STRUCTURE NO. 032-0099
- 24 . BRIDGE DECK SEALING DETAILS

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701422-10 LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
- 701901-08 TRAFFIC CONTROL DEVICES

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

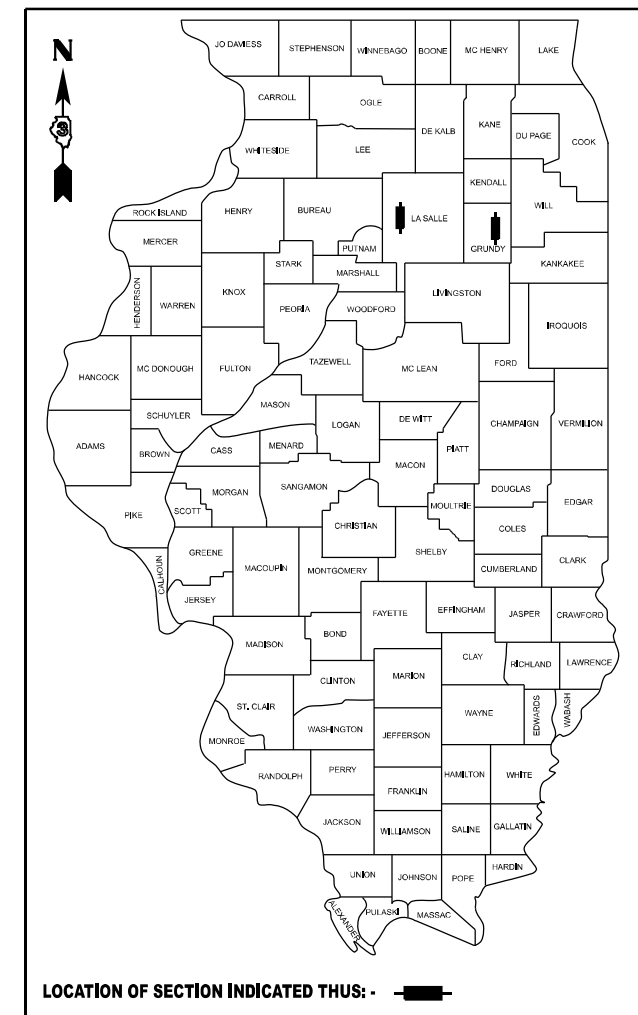
**PROPOSED
HIGHWAY PLANS
ROUTES F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
SECTION (1B0)I,BC-4 & (111BR-1)I-2,BC-2
PROJECT NHPP-WJON(761)
BRIDGE WASHING AND
ELASTOMERIC TROUGH REPLACEMENT
LASALLE & GRUNDY**

C-93-079-23

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAS & GR	24	1
		ILLINOIS	CONTRACT NO. 66N43	

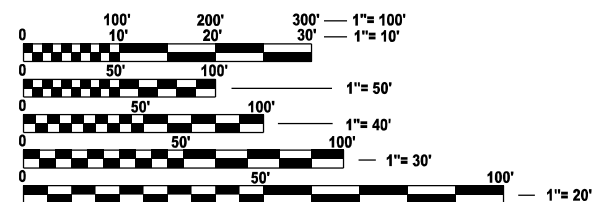
* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (1B0)I,BC-4 & (111BR-1)I-2,BC-2

D-93-058-23



PROJECT LOCATION NO. 1
STRUCTURE NO. 050-0079
CARRYING F.A.P. ROUTE 46 (IL 251)
OVER THE ILLINOIS RIVER, ILLINOIS RAILWAY
AND IOWA INTERSTATE RAILROAD
0.1 MILES SOUTH OF US ROUTE 6
LASALLE COUNTY

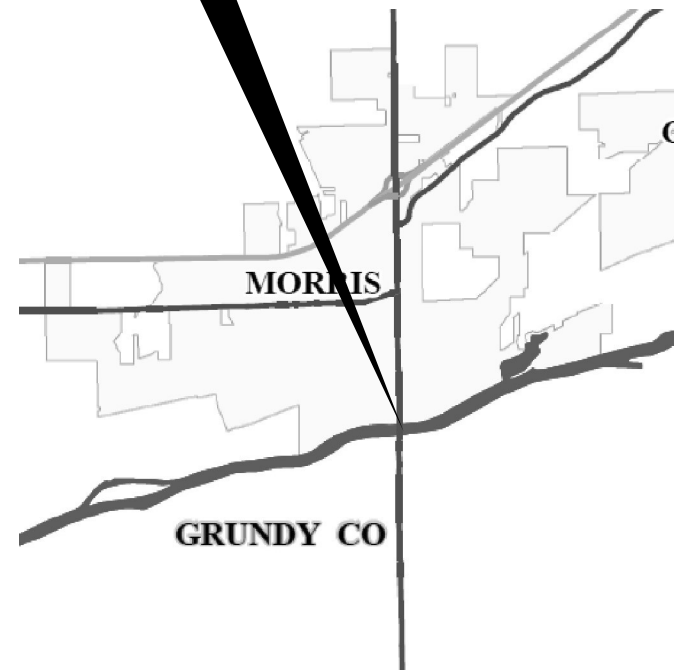
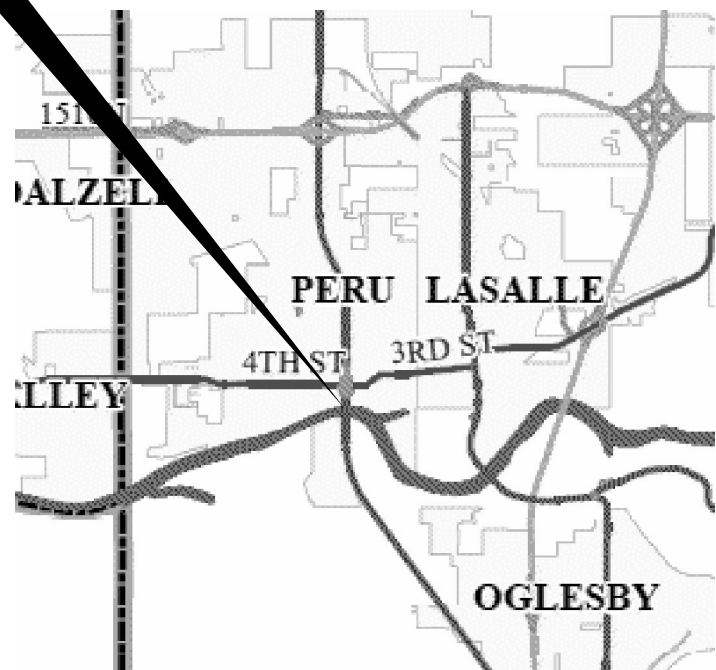
PROJECT LOCATION NO. 2
STRUCTURE NO. 032-0099
CARRYING F.A.P. ROUTE 326 (IL 47)
OVER THE ILLINOIS RIVER AND I & M CANAL
1.2 MILES SOUTH OF US ROUTE 6
GRUNDY COUNTY



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: YOGESH PATEL P.E.
UNIT CHIEF: RON WOODSHANK
DISTRICT 3 (815) 434-6131
CONTRACT NO. 66N43



FUNCTIONAL CLASSIFICATIONS

LOCATION 1	LOCATION 2
SN 050-0079	SN 032-0099
FUNCTIONAL CLASSIFICATION	FUNCTIONAL CLASSIFICATION
URBAN OTHER PRINCIPLE ARTERIAL	URBAN OTHER PRINCIPLE ARTERIAL
F.A.P. ROUTE 46 (IL 251)	F.A.P. ROUTE 326 (IL 47)
2019 ADT 7500	2021 ADT 18,8000
P.V. 46.9% S.U. 48.7% M.U. 4.4%	P.V. 96.4% S.U. 2.9% M.U. 7.7%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 24 2023

James Ahmed
REGIONAL ENGINEER

May 12, 2023
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023
Steph McNeill
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL COORDINATE HIS(HER) WORK EFFORTS, INCLUDING ACCESS TO STATE OWNED PROPERTY, OR STRUCTURES, EQUIPMENT STORAGE WITH LOCAL BUSINESS'S PRIOR TO BEGINNING ANY CONSTRUCTION WORK

PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON THIS PROJECT, THE RESIDENT ENGINEER/TECHNICIAN, THE DISTRICT'S BRIDGE ENGINEER AND THE CONTRACTOR SHALL VERIFY THE FULL SCOPE OF WORK AS SPECIFIED IN THE PLANS AND CONTRACT DOCUMENTS.

COMMITMENTS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION**

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION: _____

INSPECTORS: _____

MODEL: \$MODELNAME\$
FILE NAME: \$FILE\$

USER NAME = \$USER\$	DESIGNED - RW	REVISED - ____
	DRAWN - RW	REVISED - ____
PLOT SCALE = \$SCALE\$	CHECKED - YP	REVISED - ____
PLOT DATE = \$DATE\$	DATE - 3/17/2023	REVISED - ____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAS & GR	24	2
CONTRACT NO. 66N43				

* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)

** SECTION: (180)BC-4 & (111BR-1)I-2,BC-2

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED / 20% STATE NHPP URB	80% FED / 20% STATE NHPP URB
				BRIDGE	BRIDGE
				0047	0047
		5.N. 050-0079	5.N. 032-0099		
52000600	FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	292	132	160
59200101	BRIDGE WASHING NO. 1	EACH	1	1	
59200102	BRIDGE WASHING NO. 2	EACH	1		1
67100100	MOBILIZATION	LSUM	1	0.5	0.5
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1		1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	50	25	25
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
X5870015	BRIDGE DECK CONCRETE SEALER	SQFT	129580	59475	70105

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FILE NAME: \$FILES\$

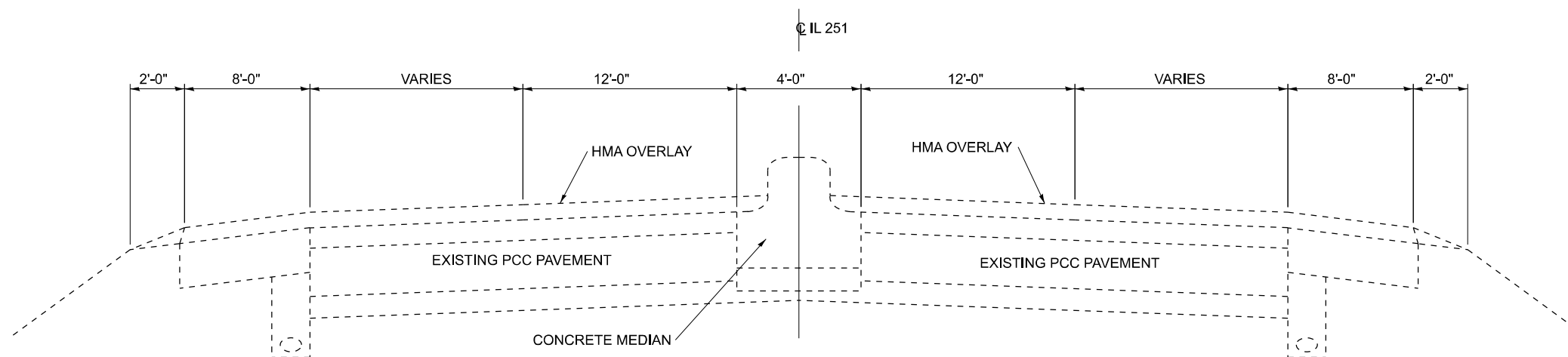
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	DRAWN = RW	REVISED =
PLOT SCALE = \$SCALE\$	CHECKED = yp	REVISED =
PLOT DATE = \$DATES	DATE = 3/17/2023	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

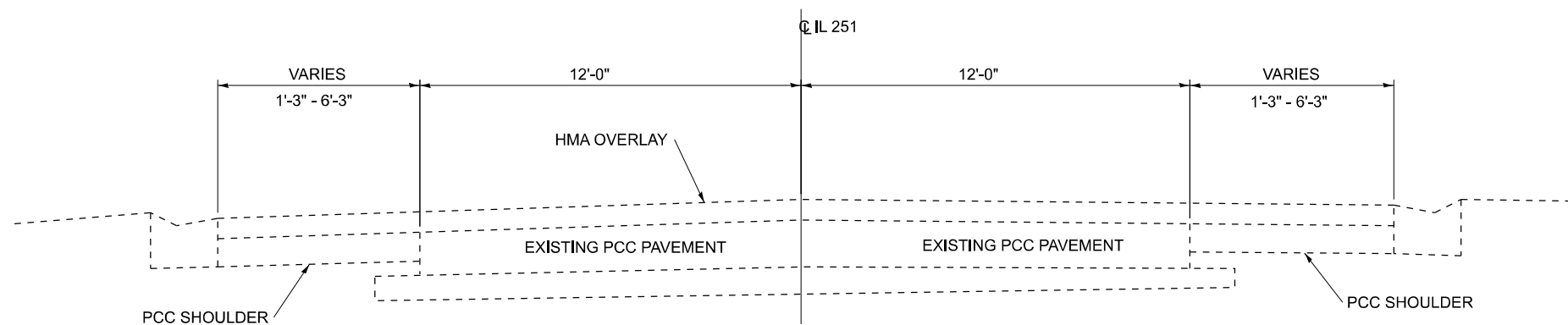
SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 1 SHEETS STA. . . . TOSTA. . . .

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**		24	3
			CONTRACT NO. 66N43	
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION NO. 1
IL ROUTE 251
 NORTH OF THE RIVER



TYPICAL SECTION NO. 2
IL ROUTE 251
 SOUTH OF THE RIVER

MODEL: \$MODELNAME\$
 FILE NAME: \$FILE\$

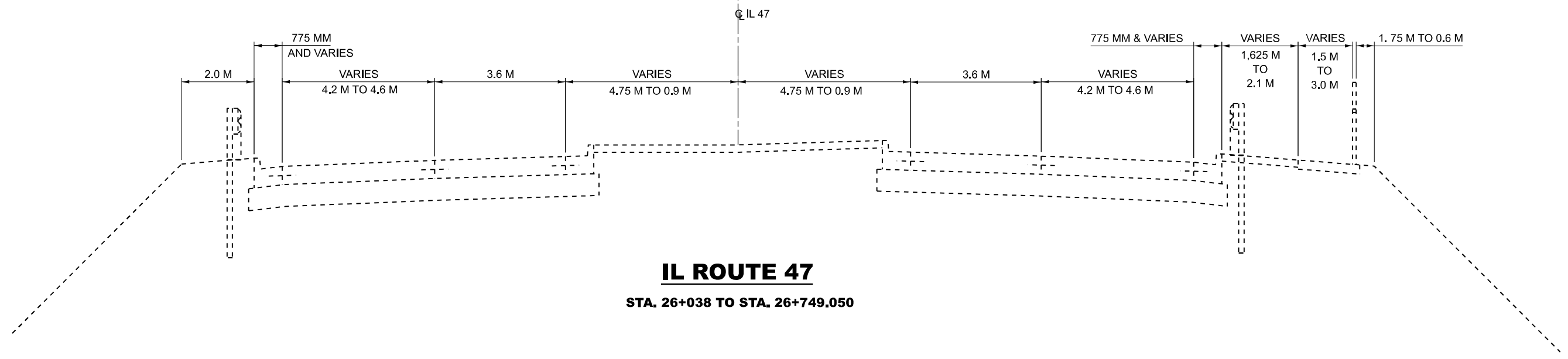
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	DRAWN - RW	REVISED - ____
PLOT SCALE = \$SCALE\$	CHECKED - YP	REVISED - ____
PLOT DATE = \$DATE\$	DATE - 3/17/2023	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
LOCATION NO. 1 - STRUCTURE NO. 050-0079 (PERU)	
SCALE: ____	SHEET 1 OF 2 SHEETS STA. ____ TO STA. ____

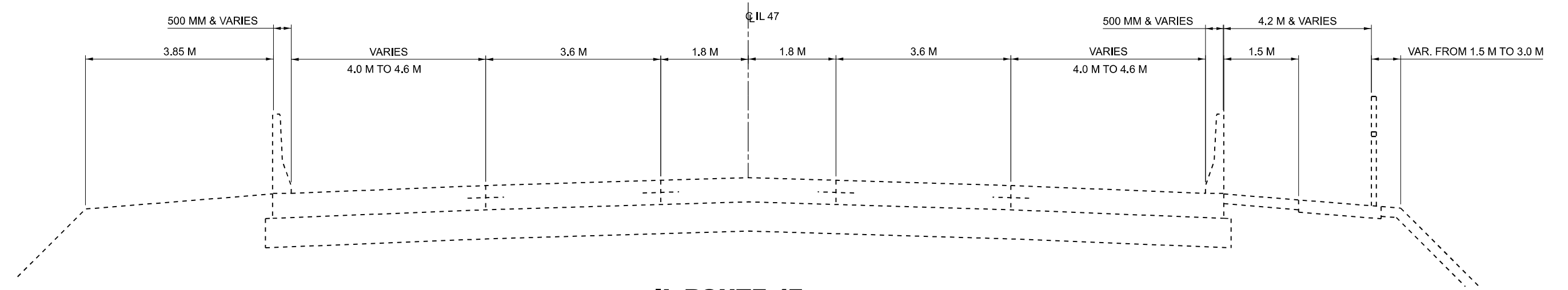
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAS & GR	24	4
CONTRACT NO. 66N43				
ILLINOIS FED. AID PROJECT				

* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
 ** SECTION: (180)BC-4 & (111BR-1)I-2,BC-2



IL ROUTE 47

STA. 26+038 TO STA. 26+749.050



IL ROUTE 47

STA. 27+276.350 TO STA. 27+305.000

MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$

USER NAME = \$USERS\$	DESIGNED - RW	REVISED - ____
	DRAWN - RW	REVISED - ____
PLOT SCALE = \$SCALES\$	CHECKED - YP	REVISED - ____
PLOT DATE = \$DATES\$	DATE - 3/17/2023	REVISED - ____

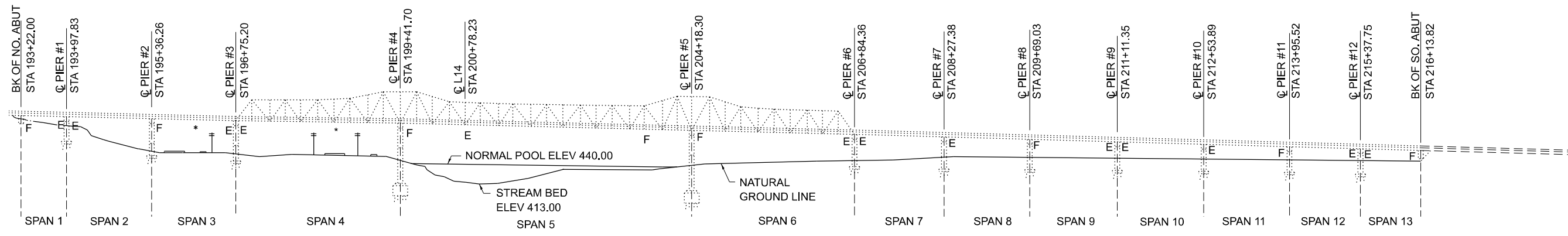
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS
LOCATION NO. 2 - STRUCTURE NO. 032-0099 (MORRIS)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAS & GR	24	5
CONTRACT NO. 66N43				

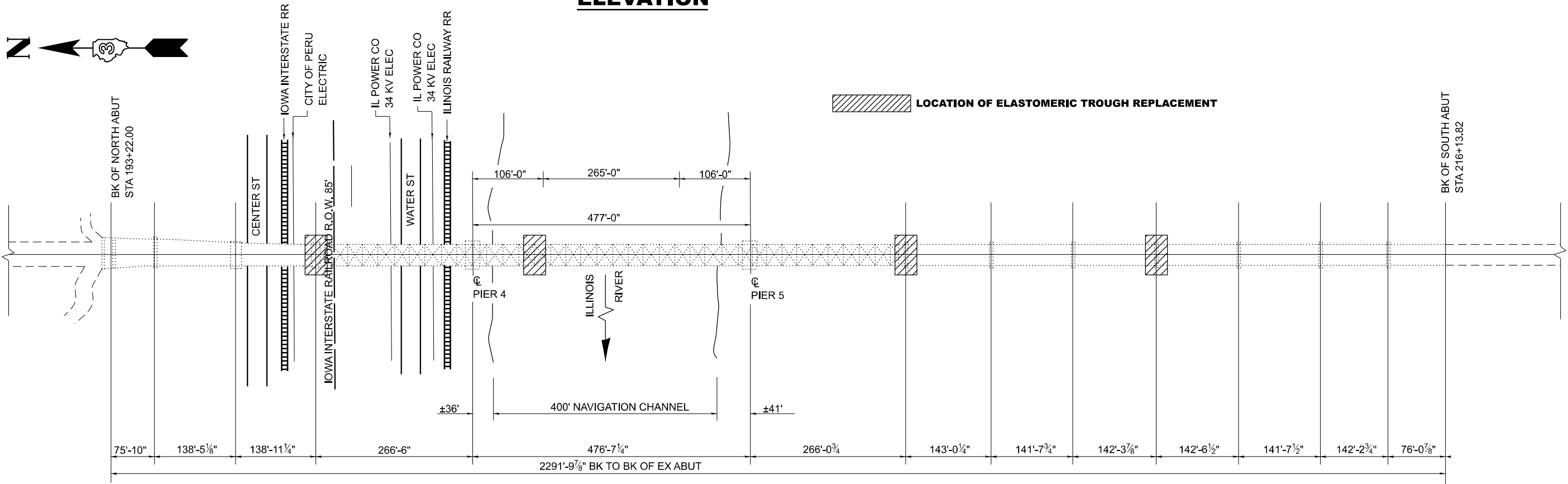
SCALE: ____ SHEET 1 OF 1 SHEETS STA. ____ TO STA. ____

* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (180)BC-4 & (111BR-1)I-2,BC-2



* OMIT THE BOTTOM SIDE OF SPANS 3 & 4.

ELEVATION



PLAN STRUCTURE NO. 050-0079

MODEL: \$MODELNAME\$
FILE NAME: \$FILE\$

USER NAME = \$USERS\$	DESIGNED - RW	REVISED -
DRAWN - RW	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - YP	REVISED -
PLOT DATE = \$DATES\$	DATE - 3/17/2023	REVISED -

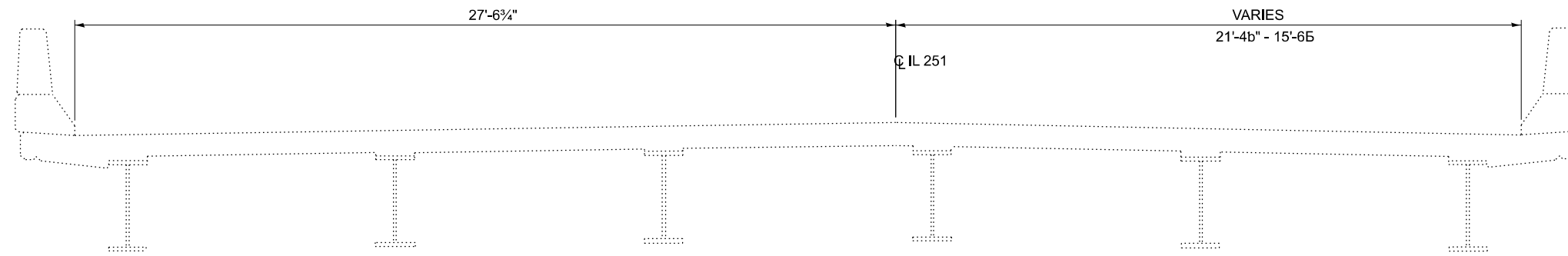
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
LOCATION NO. 1 - STRUCTURE NO. 050-0079 (PERU)

SCALE: _____ SHEET 1 OF 8 SHEETS STA. _____ TO STA. _____

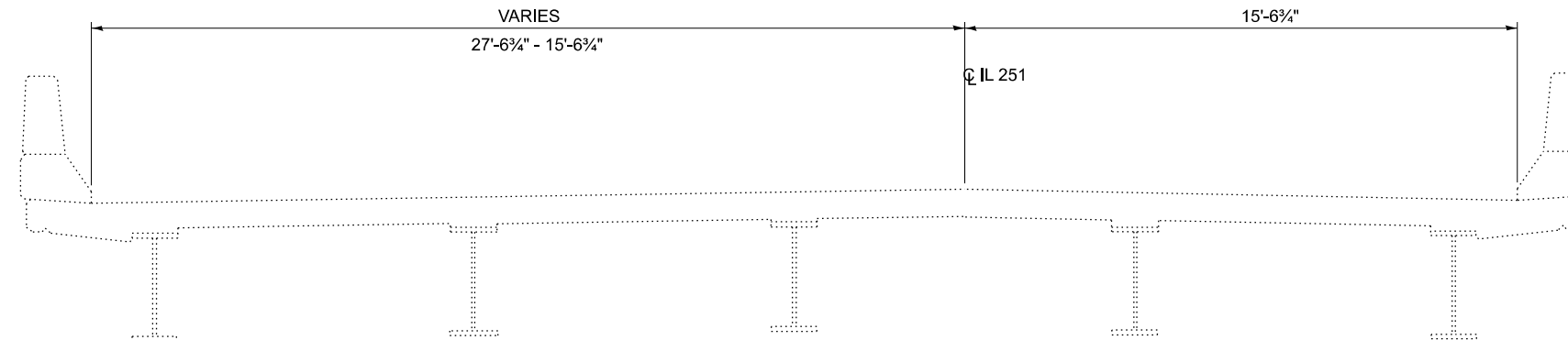
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAS & GR	24	6
CONTRACT NO. 66N43				

ILLINOIS FED. AID PROJECT
* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (180)BC-4 & (111BR-1)J-2,BC-2



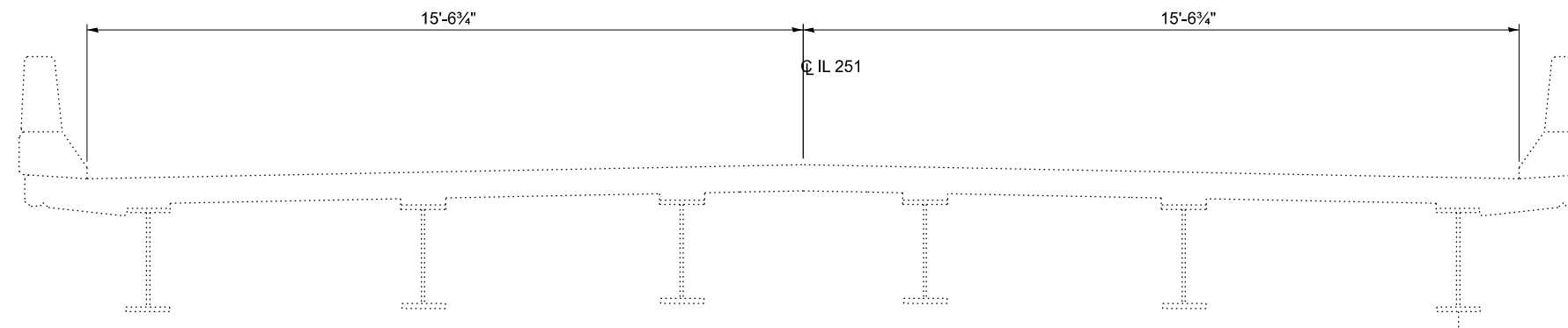
CROSS SECTION - SPAN 1

(LOOKING SOUTH)
 STA. 193+22.00 TO STA. 193+97.83



CROSS SECTION - SPAN 2 & 3

(LOOKING SOUTH)
 STA. 193+97.83 TO STA. 196+75.20



CROSS SECTION - SPAN 4 THRU 13

(LOOKING SOUTH)
 STA. 196+75.20 TO STA. 216+13.82

MODEL: \$MODELNAME\$
 FILE NAME: \$FILES\$

USER NAME = \$USERS\$	DESIGNED - RW	REVISED - ____
	DRAWN - RW	REVISED - ____
PLOT SCALE = \$SCALE\$	CHECKED - YP	REVISED - ____
PLOT DATE = \$DATES\$	DATE - 3/17/2023	REVISED - ____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

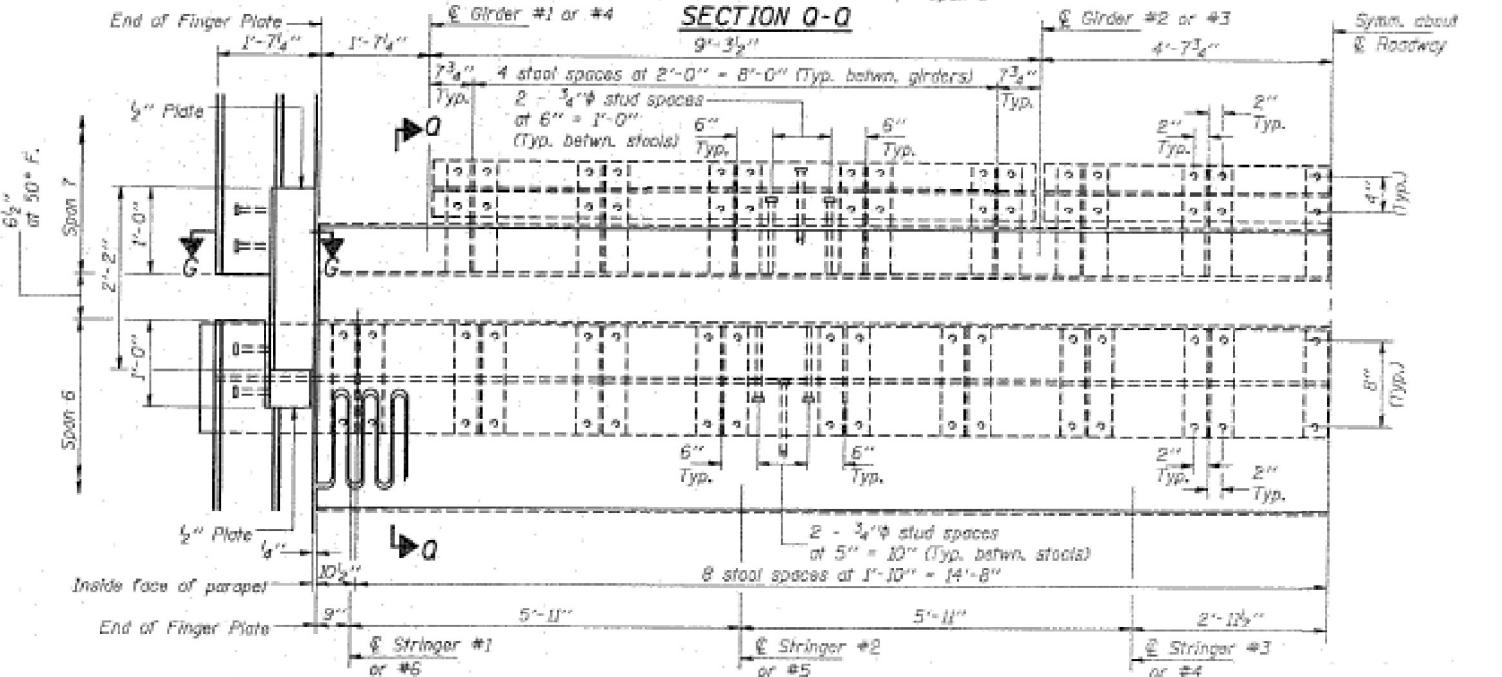
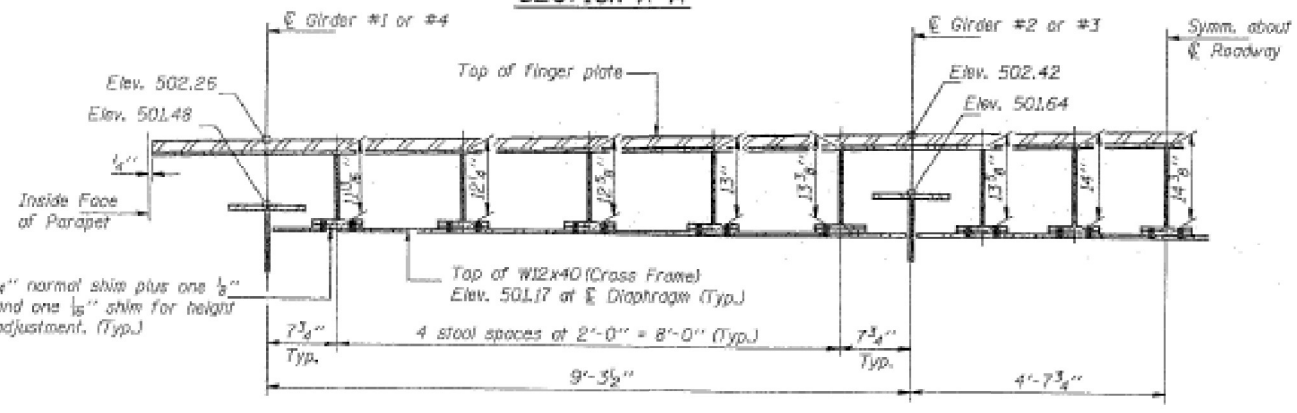
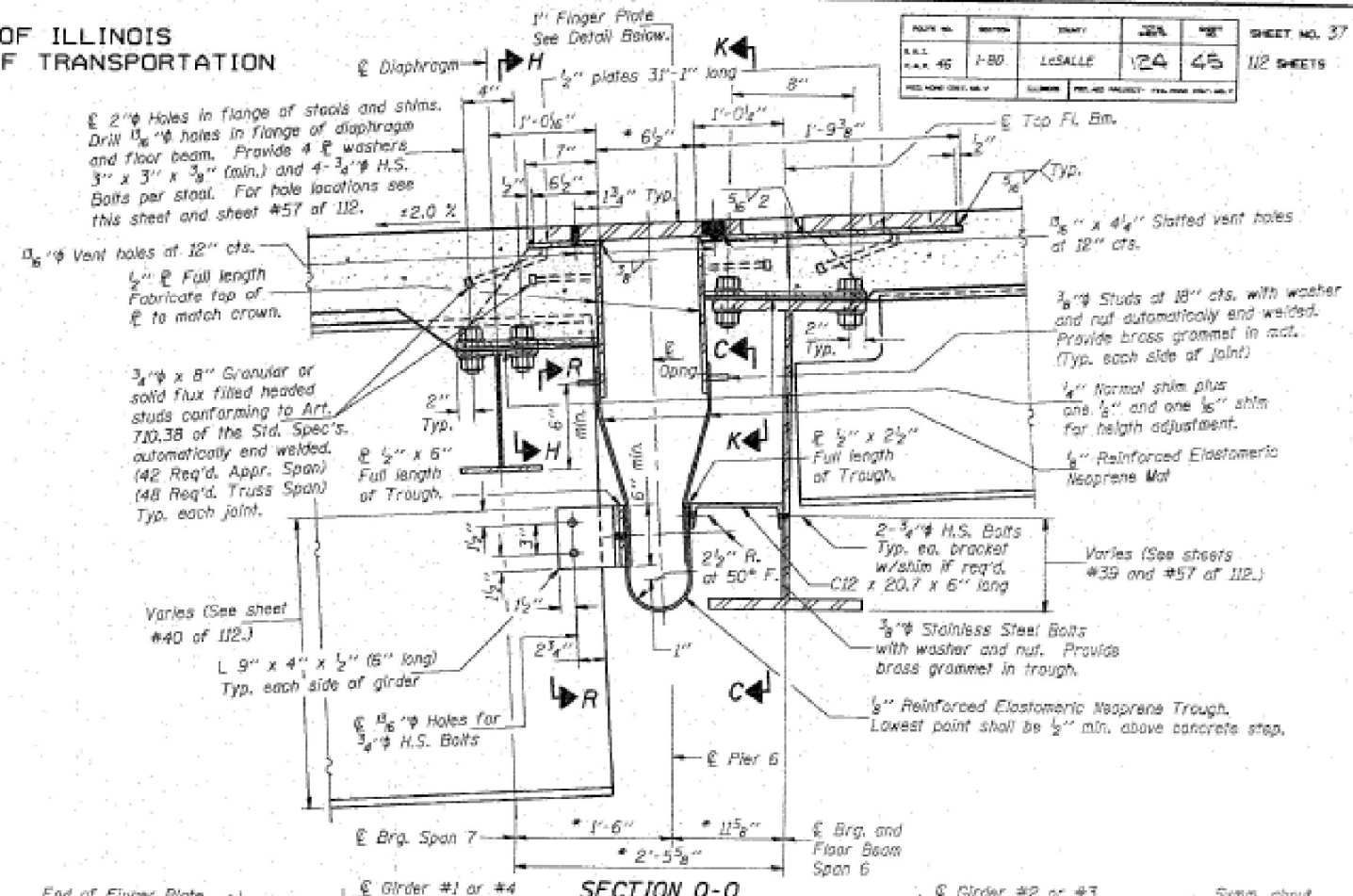
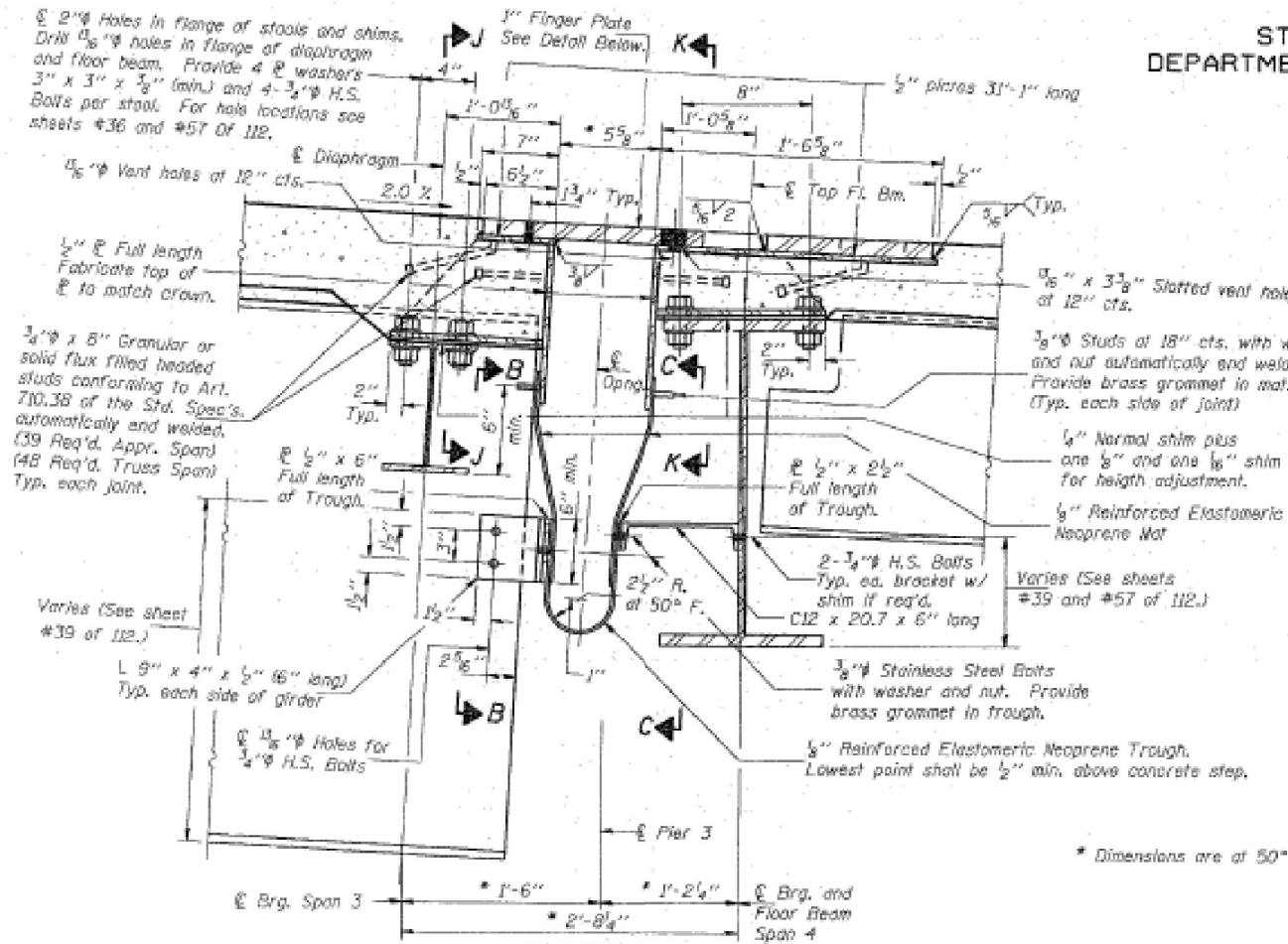
TYPICAL SECTIONS	
LOCATION NO. 2 - STRUCTURE NO. 032-0099 (GRUNDY)	
SCALE: ____	SHEET 2 OF 8 SHEETS STA. ____ TO STA. ____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAS & GR	24	7
CONTRACT NO. 66N43				
<small>ILLINOIS FED. AID PROJECT</small>				

* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
 ** SECTION: (180)BC-4 & (111BR-1)I-2,BC-2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	TRACT	AREA	NO.	SHEET NO. 37
F.A.P. 46	1-BD	LaSALLE	124	45	112 SHEETS



SECTION H-H
Section is at Pier 6 - Span 7.
Vertical dimensions for stools varies. Dimensions shown are at \bar{E} of diaphragm and includes $\frac{1}{4}$ " normal shims.
Stool heights on the truss were obtained from field survey. Adjust top of slab to match.
Stools shall be cut from W18x50 steel section.
Elevations are at \bar{E} Brg. except as noted.

Notes:
For Plan at Pier 3 see sheet #36 of 112.
For View B-B at Pier 3 see sheet #39 of 112.
For View R-R at Pier 6 see sheet #40 of 112.
For View C-C see sheet #39 of 112.
For Section G-G see sheet #38 of 112.
For Sections J-J and K-K see sheet #36 of 112.
For Flame Cutting Diagram see sheet #36 of 112.
For stool welding detail see sheet #38 of 112.

DESIGNED: *Richard J. Chapp*
CHECKED: *Michael A. Johnson*
DRAWN: *R. Duly*
CHECKED: *RSC RJS RTB*

EXAMINED: *Gregory J. Kasper*
PASSED: *Ralph E. Anderson*
APPROVED: _____

Oct 22 1991

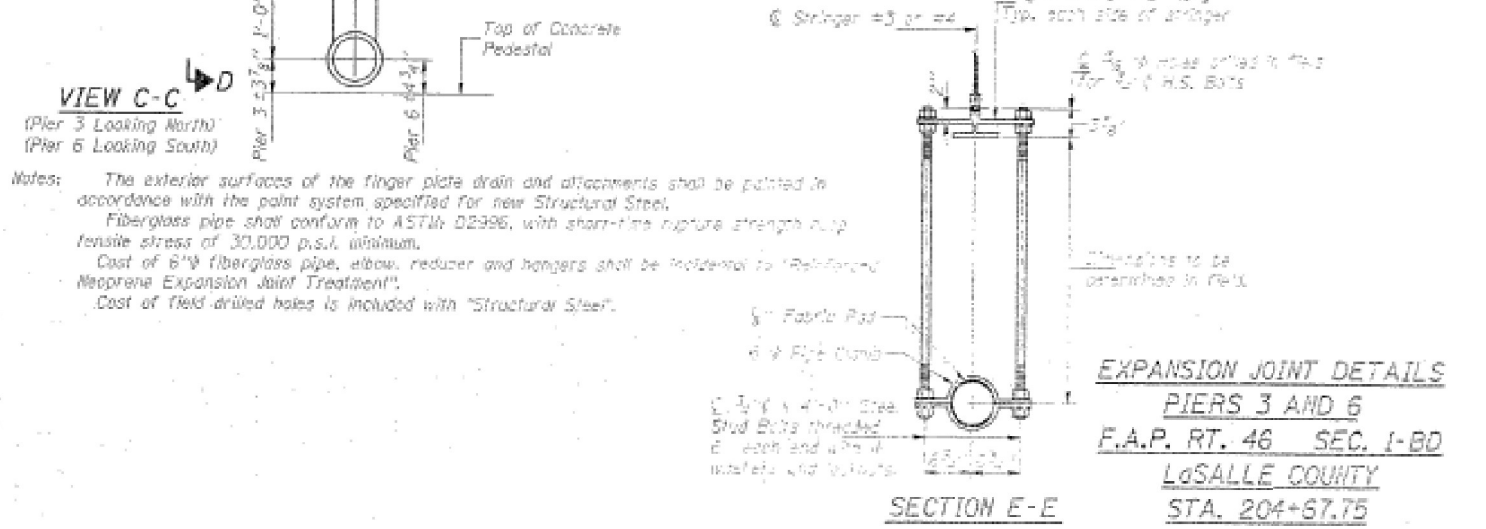
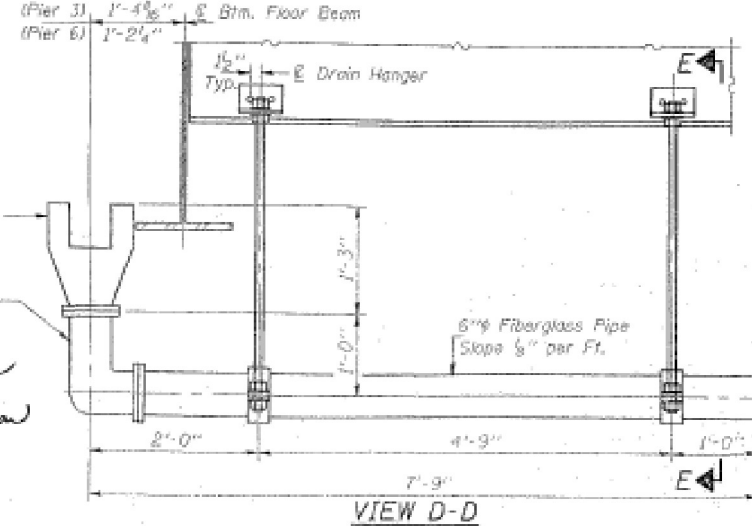
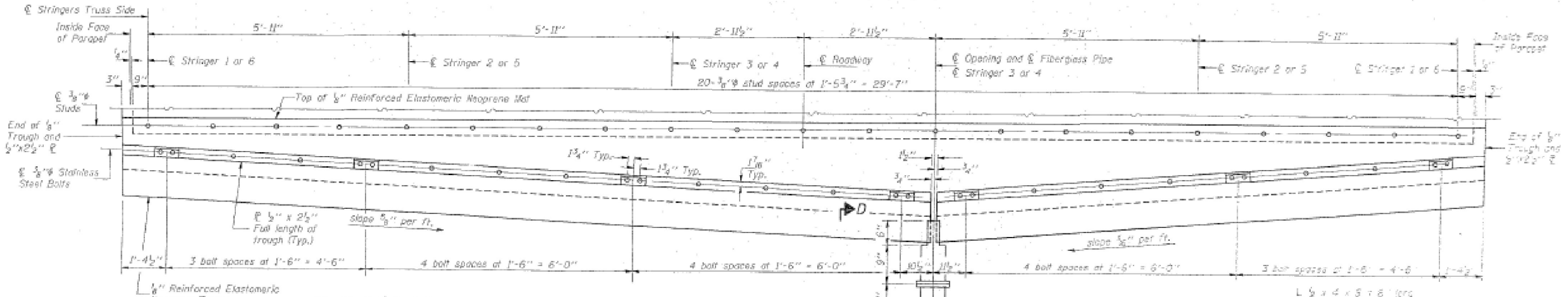
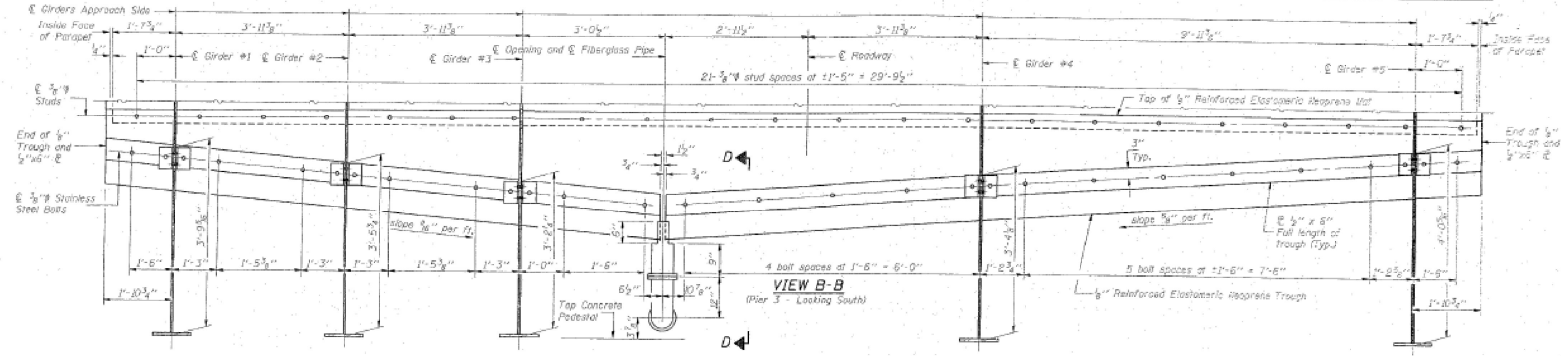
EXPANSION JOINT DETAILS
PIERS 3 AND 6
F.A.P. RT. 46 SEC. 1-BD
LaSALLE COUNTY
STA. 204+67.75

FOR INFORMATION ONLY

USER NAME = SUSERS	DESIGNED - RW	REVISED -	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING EXPANSION JOINT DETAILS	PIERS 3 & 6	LAS & GR	24	8
PLOT SCALE = SSCALES	CHECKED - YP	REVISED -	LOCATION NO. 1 - STRUCTURE NO. 050-0079 (PERU)		CONTRACT NO. 66N43		
PLOT DATE = SDATES	DATE - 3/17/2023	REVISED -	SCALE: _____	SHEET 3 OF 8 SHEETS	STA. _____ TO STA. _____	ILLINOIS	FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	DATE	SHEET NO.	TOTAL SHEETS
1-80	LaSALLE	124	47	112



Notes:
The exterior surfaces of the finger plate drain and attachments shall be painted in accordance with the paint system specified for new Structural Steel.
Fiberglass pipe shall conform to ASTM D2396, with short-time rupture strength not less than 30,000 p.s.i. minimum.
Cost of 6" fiberglass pipe, elbow, reducer and hangers shall be incidental to "Reinforced Neoprene Expansion Joint Treatment".
Cost of field drilled holes is included with "Structural Steel".

DESIGNED: Richard J. Chaput
CHECKED: Michael O. Johnson
DRAWN: R. Daly
CHECKED: RJC MRS. ATB

EXAMINED: Greg J. Kasper
PASSED: Ralph E. Anderson
APPROVED: [Signature]

Oct 22 1991

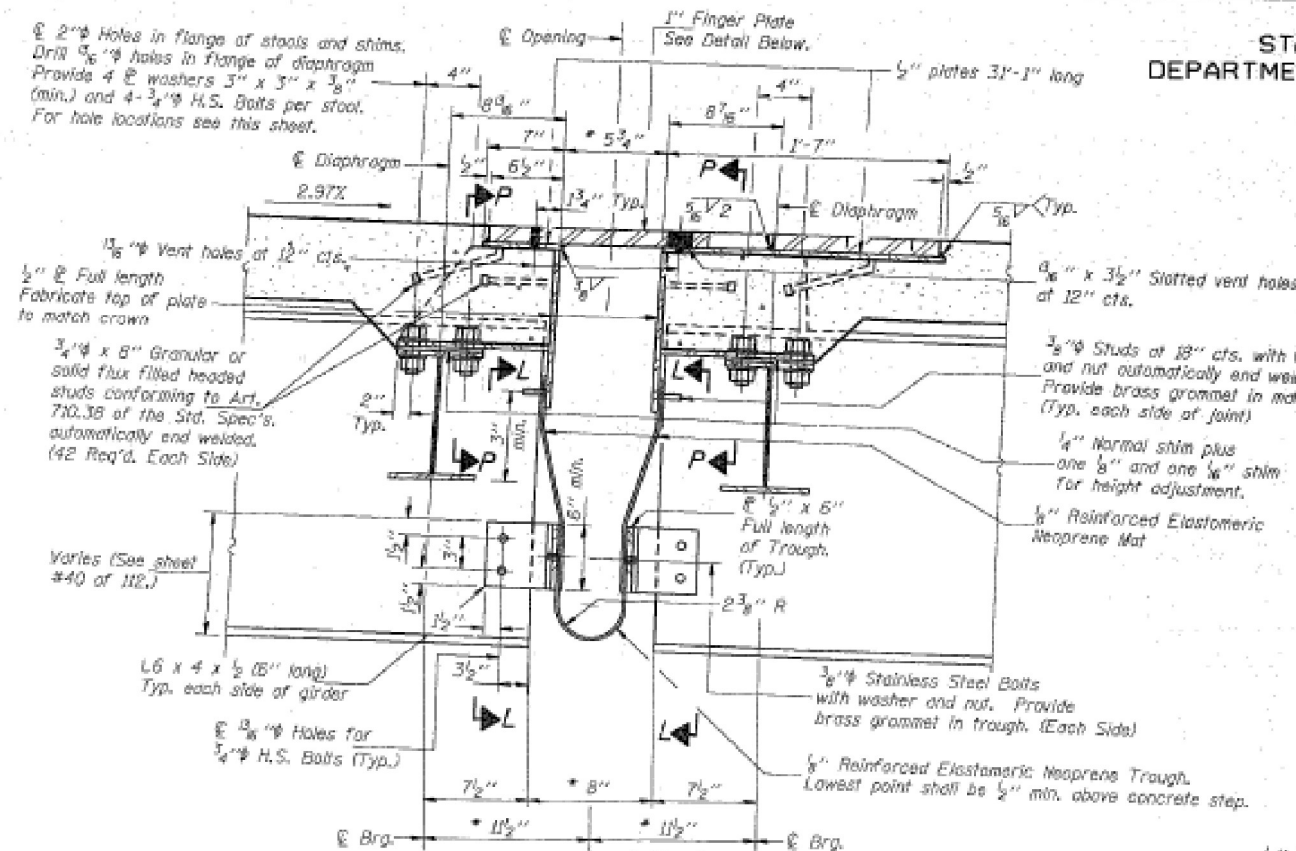
EXPANSION JOINT DETAILS
PIERS 3 AND 6
F.A.P. RT. 46 SEC. 1-B0
LaSALLE COUNTY
STA. 204+67.75

FOR INFORMATION ONLY

USER NAME = SUSERS	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING EXPANSION JOINT DETAILS PIERS 3 & 6 LOCATION NO. 1 - STRUCTURE NO. 050-0079 (PERU)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = SSCALES	DRAWN - RW	REVISED -		SCALE: _____			LAS & GR	24	9
PLOT DATE = SDATES	CHECKED - YP	REVISED -		SHEET 4 OF 8 SHEETS	STA. _____	TO STA. _____	LaSALLE COUNTY		
	DATE - 3/17/2023	REVISED -					ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

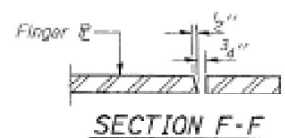
PROJECT NO.	SECTION	DATE	SCALE	SHEET NO.
1-80	LASALLE	124	46	112 SHEETS



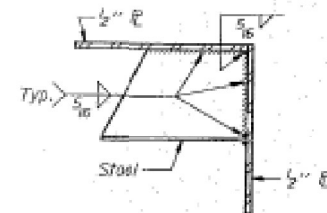
SECTION A-A
(Looking East)

* Dimensions are at 50° F.

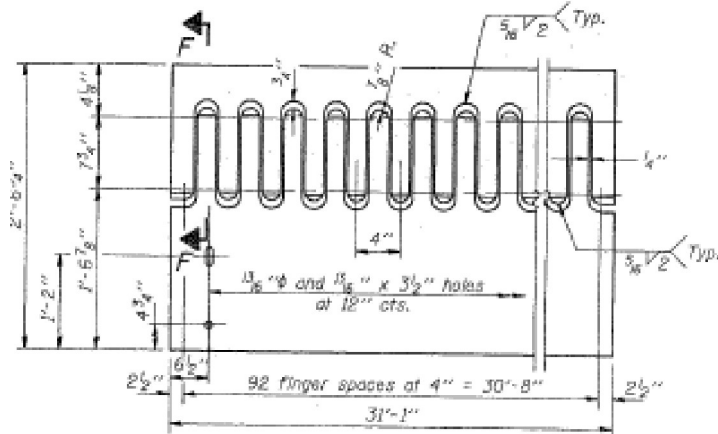
Notes: For View L-L see sheet 40 of 112.



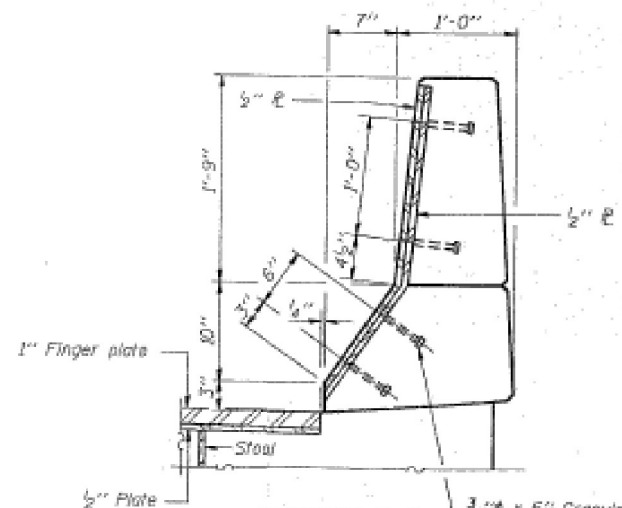
SECTION F-F



STOOL WELDING DETAIL

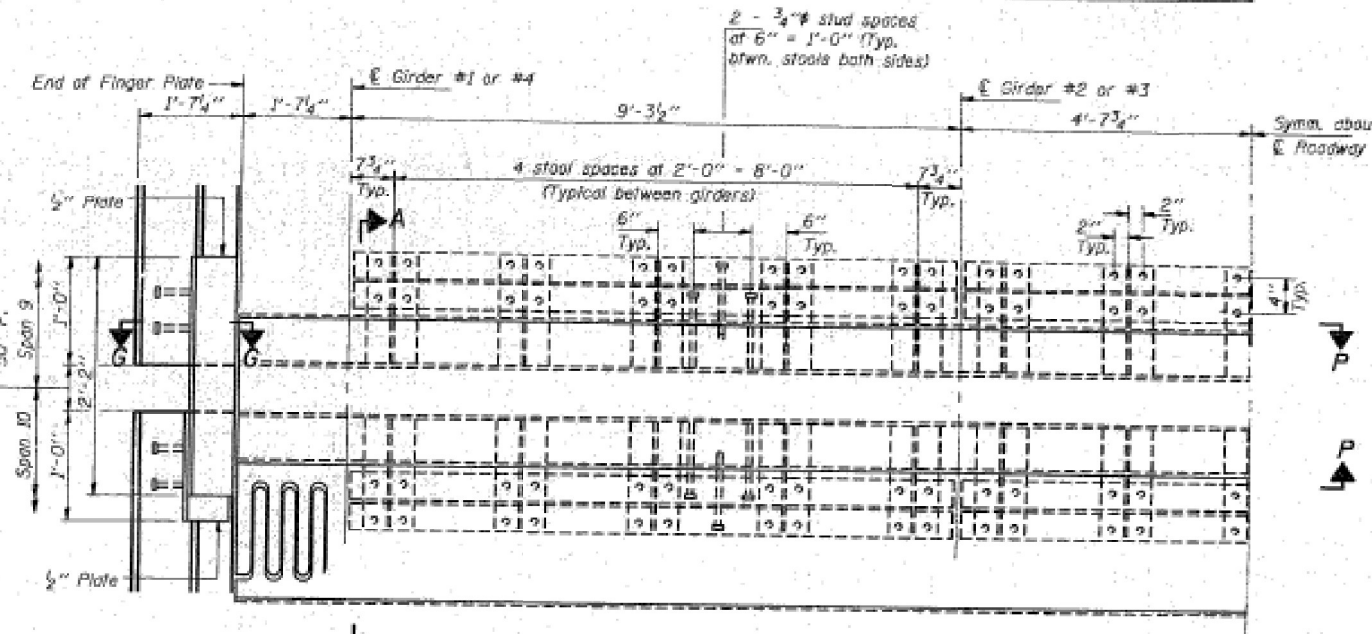


FLAME CUTTING DIAGRAM

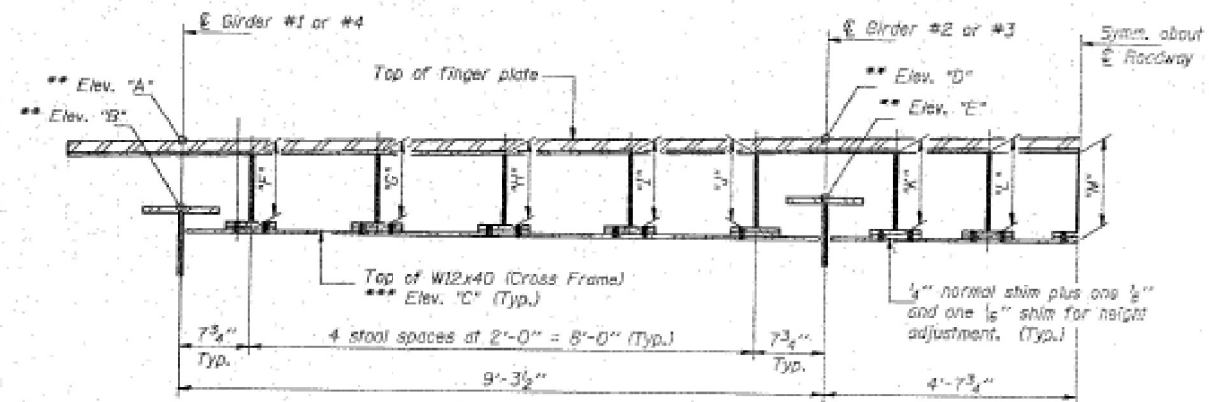


SECTION G-G

3/8" x 5" Granular or solid flux filled headed studs conforming to Art. 710.38 of the Std. Spec's, automatically end welded. (16 Required each joint-Typ.)



HALF PLAN



SECTION P-P

(At Pier 9, Spans 9 and 10)

Vertical dimensions for stools varies. Dimensions shown are at 50° of diaphragm and include 1/4" normal shims. Cut stools from W12x50

** Elevation of Brg.
*** Elevation of Diaphragm.

	ELEVATIONS					STOOL HEIGHTS							
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"
Pier 9, Span 9	491.097	490.313	490.000	491.252	490.468	11 1/8"	12 3/8"	12 5/8"	13"	13 5/8"	13 5/8"	14"	14 3/8"
Pier 9, Span 10	491.040	490.238	489.926	491.195	490.393	12"	12 1/2"	12 5/8"	13"	13 5/8"	13 5/8"	14"	14 5/8"

DESIGNED <i>Richard J. Chapp</i>	Oct 22 1991
CHECKED <i>Michelle S. Johnson</i>	EXAMINED <i>Greg J. Kasper</i>
DRAWN <i>R. Daly JRS</i>	APPROVED <i>Ralph E. Anderson</i>
CHECKED <i>RJC MAS RTB</i>	

EXPANSION JOINT DETAILS
PIER 9
F.A.P. RT. 46 SEC. 1-BD
LaSALLE COUNTY
STA. 204+67.75

FOR INFORMATION ONLY

MODEL: SPODELNAMES
FILE NAME: SPELES

USER NAME = SUSERS	DESIGNED - RW	REVISED -
PLOT SCALE = SSCALES	DRAWN - RW	REVISED -
PLOT DATE = SDATES	CHECKED - YP	REVISED -
	DATE - 3/17/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING EXPANSION JOINT DETAILS
PIER 9
LOCATION NO. 1 - STRUCTURE NO. 050-0079 (PERU)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LAS & GR	24	10
CONTRACT NO. 66N43				

SCALE: _____ SHEET 5 OF 8 SHEETS STA. _____ TO STA. _____

ILLINOIS FED. AD PROJECT
ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
SECTION: (180)BC-4 & (111BR-1)-2BC-2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	CDN	DATE	SHEET NO. 40
F.A.P. 46	I-BD	LaSALLE	124	48	112 SHEETS
FIELD NO. 000001	ILLINOIS	FED. AID PROJECT	FED. AID DIST. NO. 1		

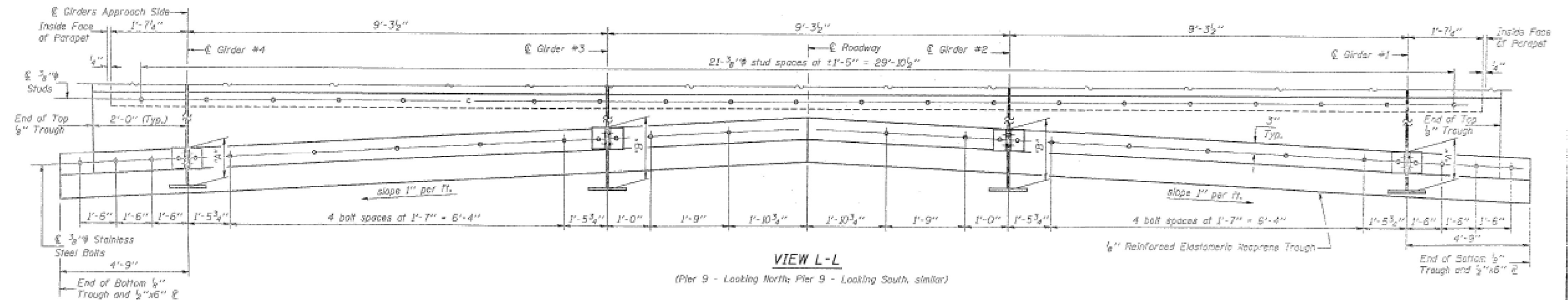
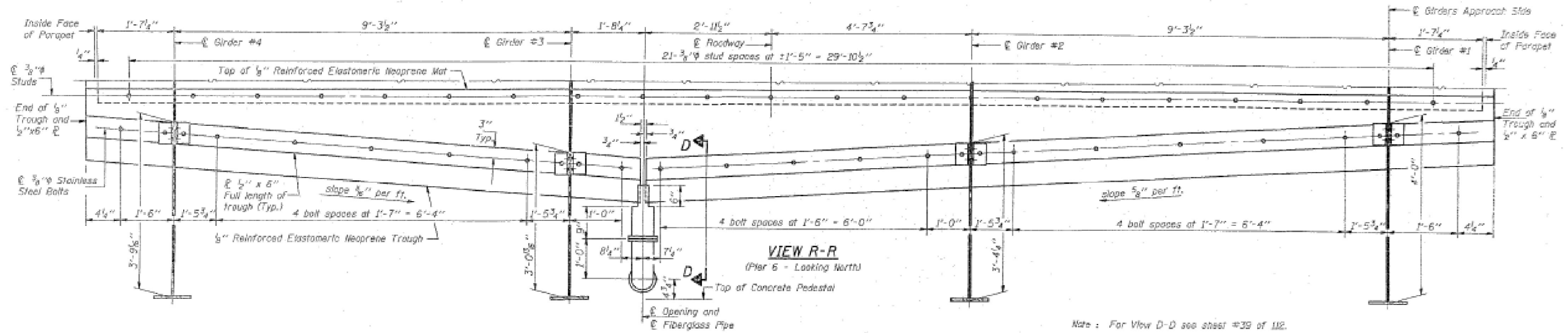


TABLE OF "A" AND "B" DIMENSIONS

Location	"A"	"B"
Span 9	10"	1'-5 ⁵ / ₈ "
Span 10	10 ³ / ₈ "	1'-6 ⁵ / ₈ "

Notes: The exterior surfaces of the finger plate drain and attachments shall be painted in accordance with the paint system specified for new Structural Steel.
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
Cost of 6" fiberglass pipe, elbow, reducer and hangers shall be incidental to "Reinforced Neoprene Expansion Joint Treatment".
Cost of field drilled holes is included with "Structural Steel".

DESIGNED: Richard J. Chant
CHECKED: Michael D. Stephenson
DRAWN: R. Doty
CHECKED: RSC M&S/STB

EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: [Signature]

Oct 22 1991

EXPANSION JOINT DETAILS
PIERS 6 AND 9
F.A.P. RT. 46 SEC. I-BD
LaSALLE COUNTY
STA. 204+67.75

FOR INFORMATION ONLY

MODEL: SMOELNAMES
FILE NAME: SPELES

USER NAME = SUSERS	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING EXPANSION JOINT DETAILS PIER 9 LOCATION NO. 1 - STRUCTURE NO. 050-0079 (PERU)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = SSCALES	DRAWN - RW	REVISED -		SCALE: _____			LAS & GR	24	11
PLOT DATE = SDATES	CHECKED - YP	REVISED -		SHEET 6 OF 8 SHEETS	STA. _____		CONTRACT NO. 66N43		
	DATE - 3/17/2023	REVISED -			TO STA. _____		ILLINOIS	FED. AID PROJECT	

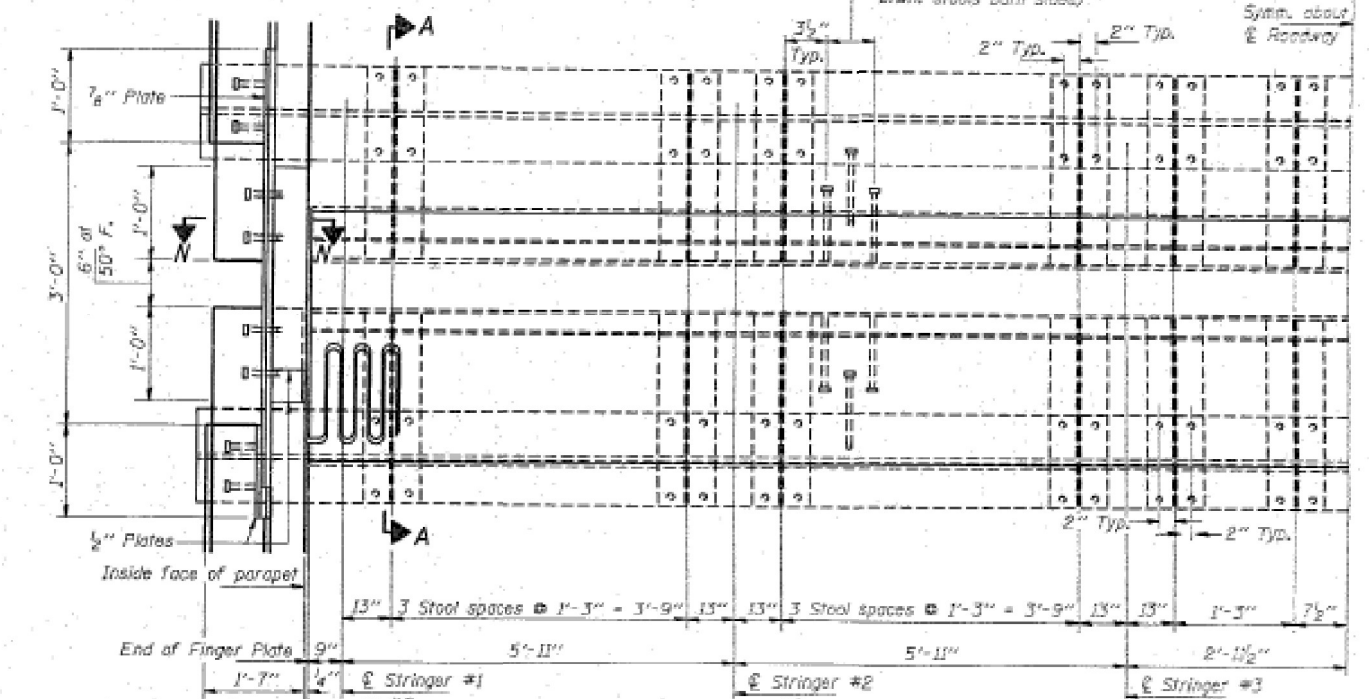
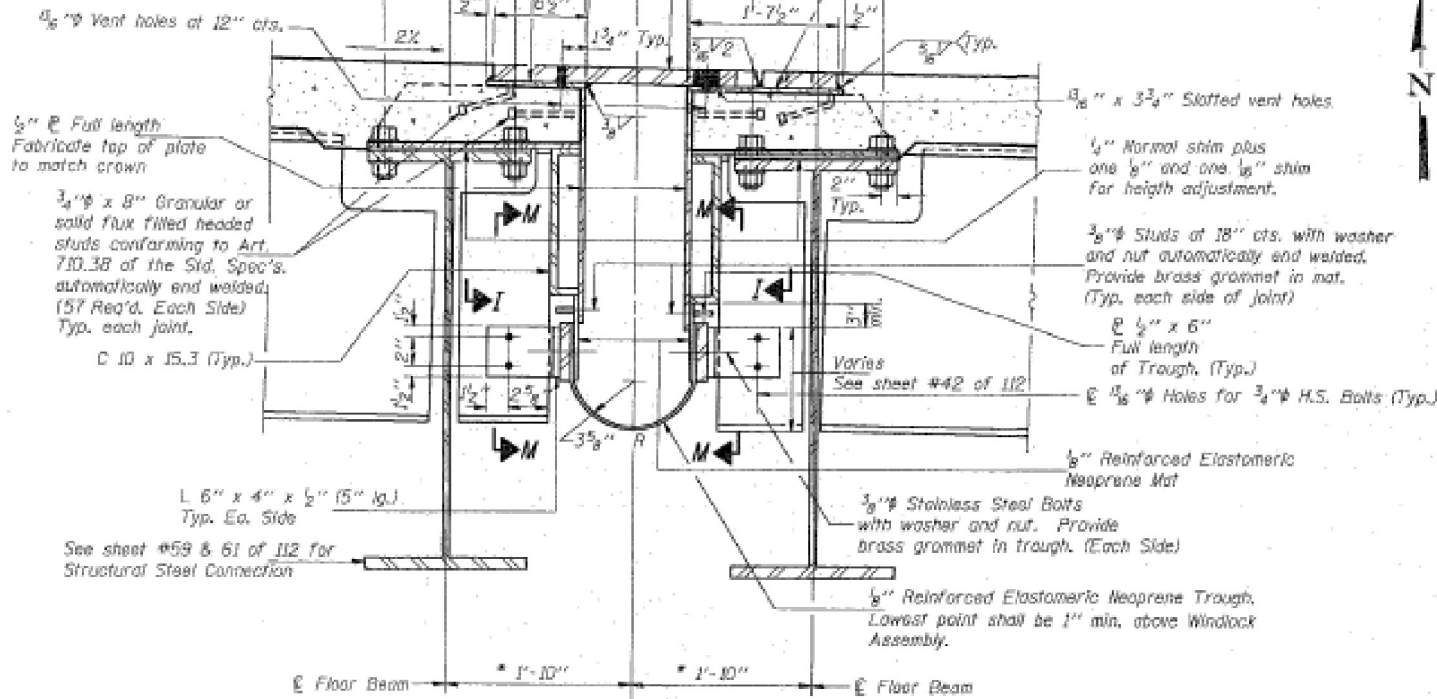
ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
SECTION: (180)BC-4 & (111BR-1)-2BC-2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	SECTION	COUNTY	STA.	NO.	SHEET NO. OF SHEETS
1-80	1-BD	LaSALLE	204	49	112 SHEETS

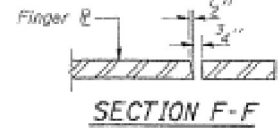
2" Holes in flange of stools and shims.
Drill 1/8" holes in flange of floor beam. Provide 4 E washers 3" x 3" x 3/8" (min.) and 4-3/4" H.S. Bolts per stool. For hole locations see this sheet and s.h.s. #59 & 60 of 112.

2 - 3/4" stud spaces at 4" = 8" (Typ. b/wn. stools both sides)



SECTION A-A

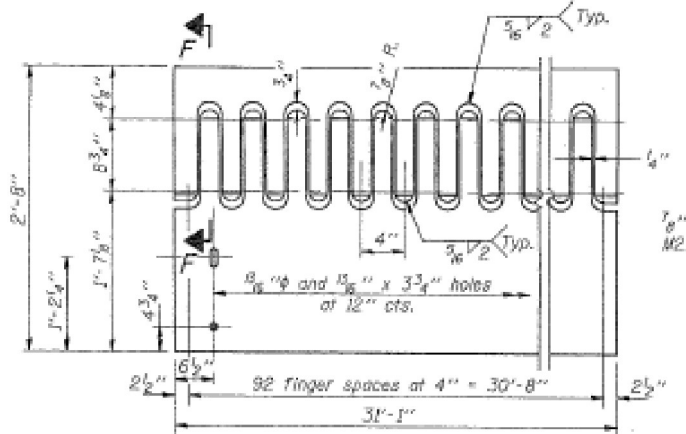
HALF PLAN



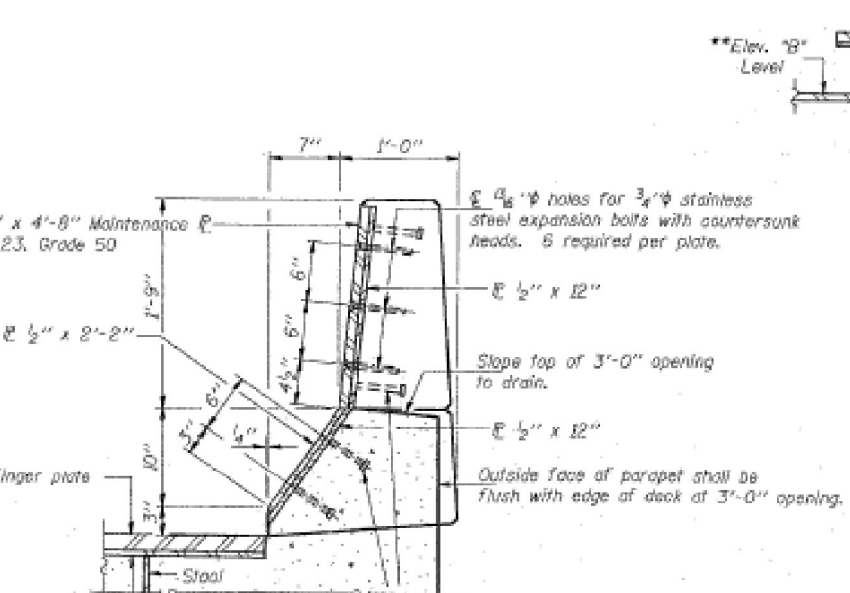
SECTION F-F

Note: For Views M-M see sheet #42 of 112.
For stool welding detail see sheet #38 of 112.

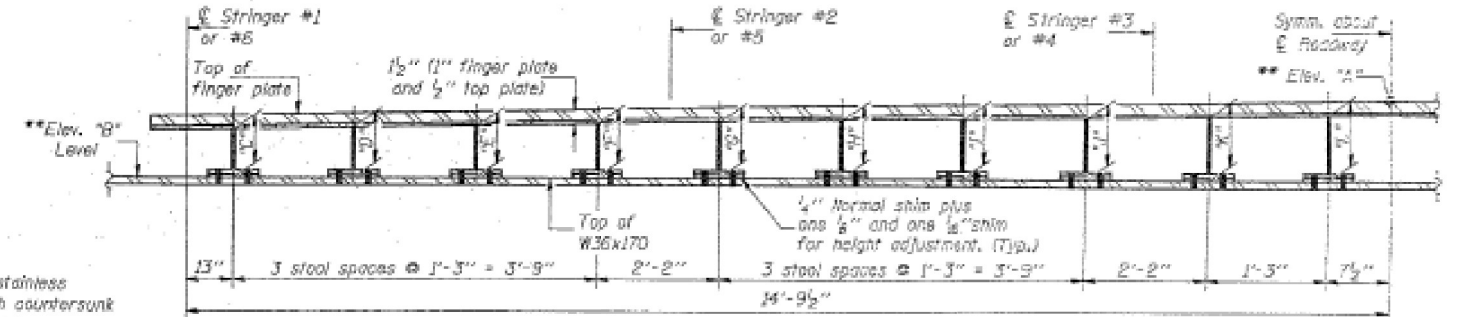
* Dimensions are at 50° F.



FLAME CUTTING DIAGRAM



SECTION N-N



THEORETICAL ELEVATIONS

STOOL HEIGHTS

	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"
L14 (Suspended)	515.226	514.346	6 1/2"	6 1/2"	7"	7 1/2"	7 5/8"	7 3/4"	8 1/8"	8 3/8"	8 1/2"	8 3/4"
L14 (Cantilevered)	515.299	514.405	6 3/8"	6 3/8"	7 1/2"	7 3/4"	7 3/4"	8"	8 1/2"	8 3/4"	8 3/4"	9 1/4"

Vertical dimensions for stools varies. Dimensions shown are at 50° of floor beam and includes 1/2" normal shims. The stool heights were obtained from field survey. Adjust top of slab to match. Cut stools from W36x50

DESIGNED *Richard J. Clapp*
CHECKED *Michael A. Stephens*
DRAWN *R. Doty* JRS
CHECKED *RTG* MMS RTB

EXAMINED *Gregory O. Kasper*
PASSED *Ralph E. Anderson*
APPROVED

Oct 22 1991

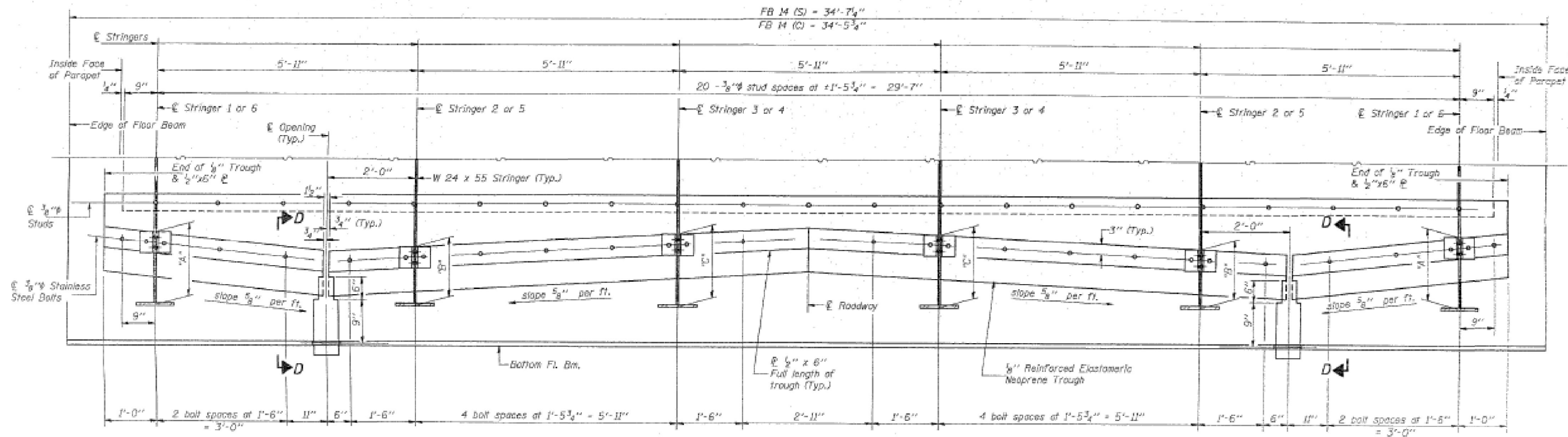
Note: See sheet #28 of 112 for plate details, & parapet opening.

EXPANSION JOINT DETAILS
AT L14
F.A.P. RT. 46 SEC. 1-BD
LaSALLE COUNTY
STA. 204+67.75

FOR INFORMATION ONLY

MODEL NUMBER
FILE NAME: SPECS

USER NAME = SUSERS	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING EXPANSION JOINT DETAILS L14 LOCATION NO. 1 - STRUCTURE NO. 050-0079 (PERU)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DESIGNED - RW	DRAWN - RW	REVISED -						24	12
PLOT SCALE = SSCALES	CHECKED - YP	REVISED -							
PLOT DATE = SDATES	DATE - 3/17/2023	REVISED -			SCALE: _____	SHEET 7 OF 8 SHEETS	STA. _____ TO STA. _____		

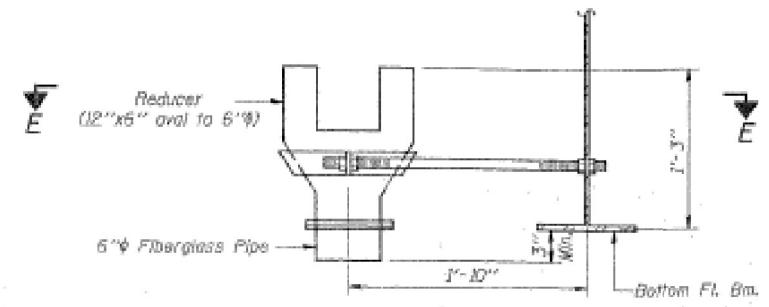


VIEW M-M

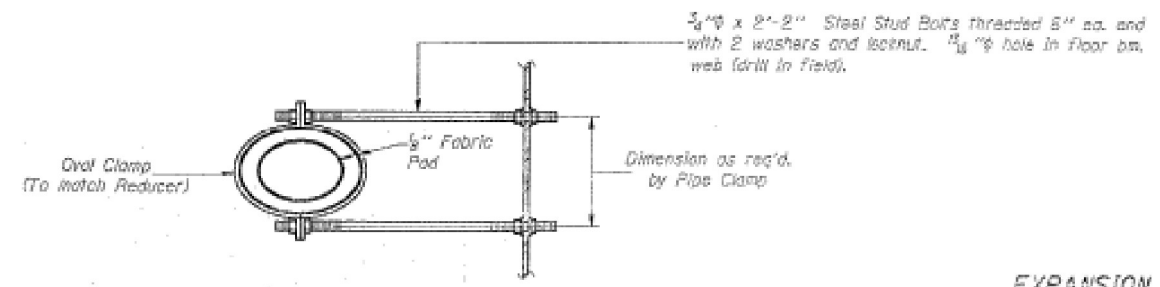
L14 (S) - Looking North
L14 (C) - Looking South

Notes: The exterior surfaces of the finger plate drain and attachments shall be painted in accordance with the paint system specified for new Structural Steel.
Fiberglass pipe shall conform to A.S.T.M. D2996, with short-time rupture strength tensile stress of 30,000 p.s.i. minimum.
Cost of 6" fiberglass pipe, elbow, reducer and hangers shall be incidental to "Reinforced Neoprene Expansion Joint Treatment".
Cost of field drilled holes is included with "Structural Steel".

	"A"	"B"	"C"
L14 (S)	8 1/4"	7 1/8"	10 3/4"
L14 (C)	7 3/8"	6 3/8"	10 1/8"



SECTION D-D



SECTION E-E

DESIGNED: Richard J. Coquit
CHECKED: Richard A. Stephenson
DRAWN: r.b. carbonell
CHECKED: RJC MAS RTB

EXAMINED: Craig D. Hanson
PASSED: Ralph E. Anderson
APPROVED: _____

Oct 22 1991

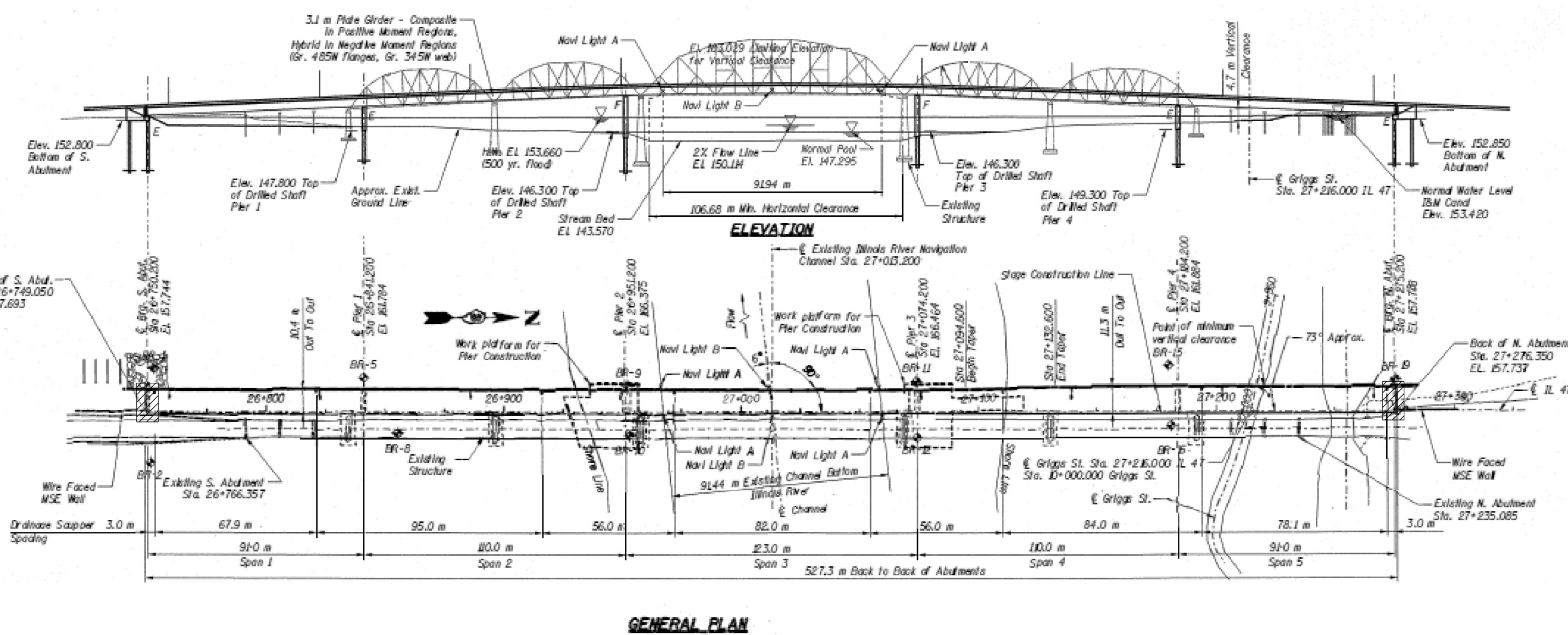
EXPANSION JOINT DETAILS
AT L14
F.A.P. RT. 46 SEC. 1-BD
LaSALLE COUNTY
STA. 204+67.75

FOR INFORMATION ONLY

MODEL: SMOELNAMES
FILE NAME: SPELES

USER NAME =	DESIGNED -	REVISOR -	SCALE =	DATE =	REVISION -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
= SUSERS	- RW	-	= SCALES	- 3/17/2023	-	EXISTING EXPANSION JOINT DETAILS	LaSALLE	24	13
	- RW	-				L14	LAS & GR		
	- YP	-				LOCATION NO. 1 - STRUCTURE NO. 050-0079 (PERU)			
	-	-				SCALE: _____			
	-	-				SHEET 8 OF 8 SHEETS			
	-	-				STA. _____ TO STA. _____			
	-	-					ILLINOIS		

* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (180)BC-4 & (111BR-1)-2,BC-2



FOR INFORMATION ONLY

MODEL: SMOELNAMES
FILE NAME: SPELES

USER NAME = SUSERS	DESIGNED - RW	REVISED -
DRAWN - RW	REVISOR -	
PLOT SCALE = SSCALES	CHECKED - YP	REVISED -
PLOT DATE = SDATES	DATE - 3/17/2023	REVISED -

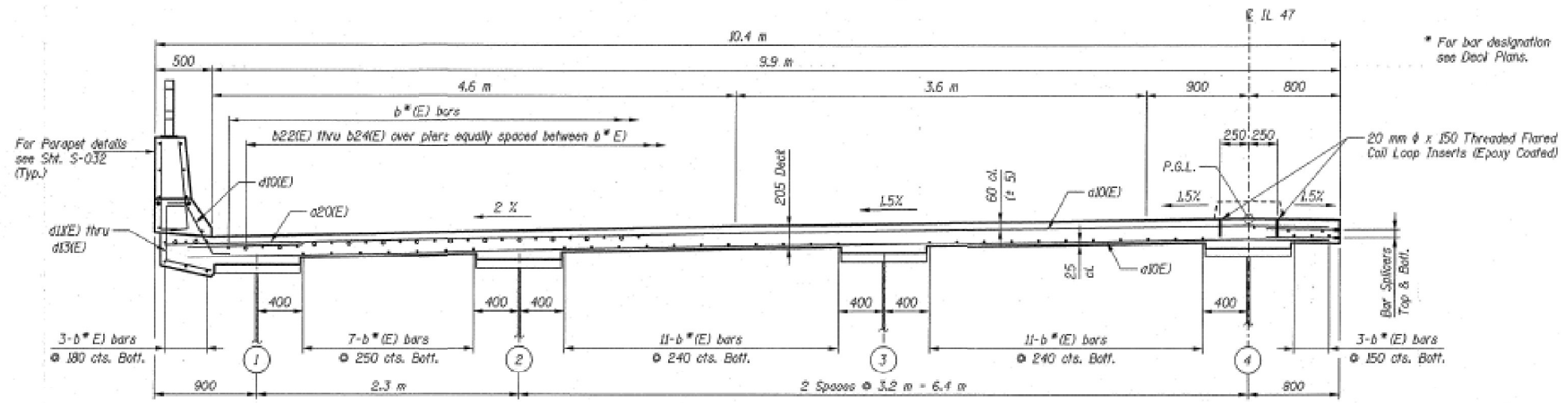
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
SOUTHBOUND
LOCATION 2 - STRUCTURE NO. 032-0099

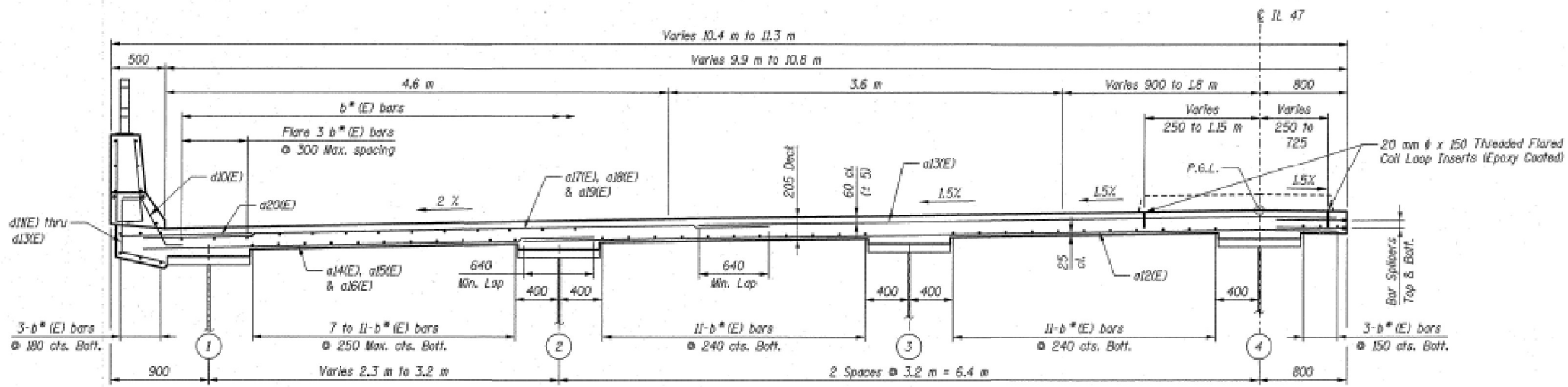
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	**	LAS & GR	24	14
CONTRACT NO. 66N43				

SCALE: _____ SHEET 1 OF 10 SHEETS STA. _____ TO STA. _____

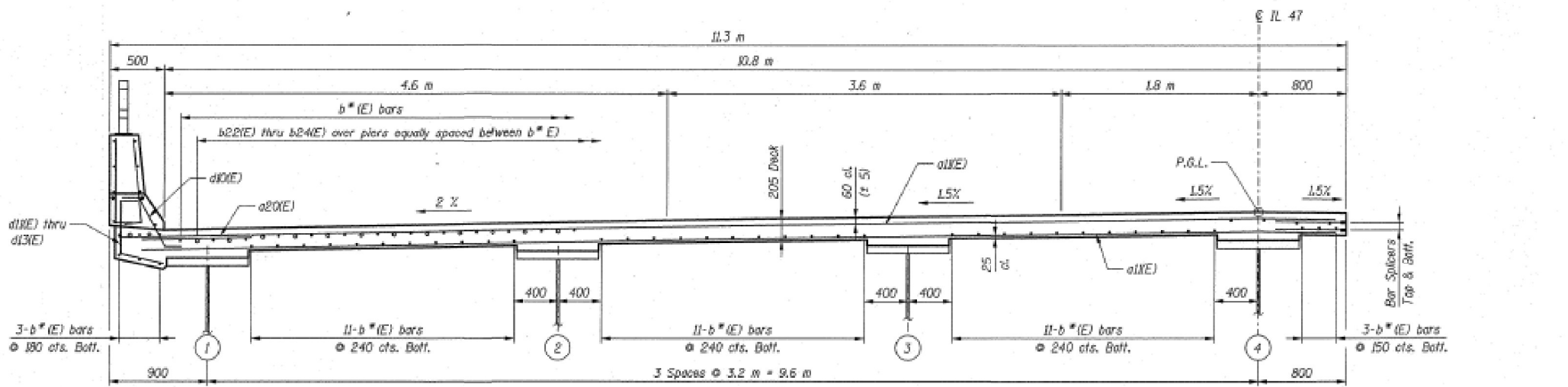
ILLINOIS FED. AID PROJECT
ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
SECTION: (180)BC-4 & (111BR-1)-2,BC-2



DECK CROSS SECTION A-A



DECK CROSS SECTION B-B



DECK CROSS SECTION C-C

FOR INFORMATION ONLY

MODEL: MODELNAMES
FILE NAME: SPEL5

USER NAME = SUSERS	DESIGNED - RW	REVISED -
DRAWN - RW	REVISED - RW	REVISED -
PLOT SCALE = SSCALES	CHECKED - YP	REVISED -
PLOT DATE = SDATES	DATE - 3/17/2023	REVISED -

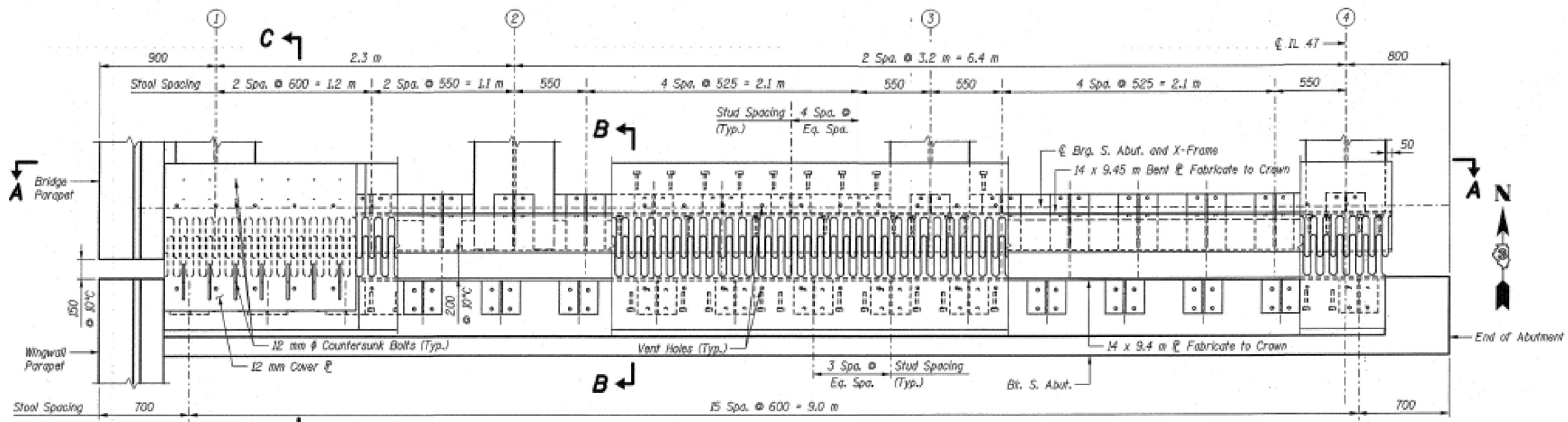
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING DECK CROSS SECTIONS
SOUTHBOUND
LOCATION NO. 2 - STRUCTURE NO. 032-0099 (MORRIS)**

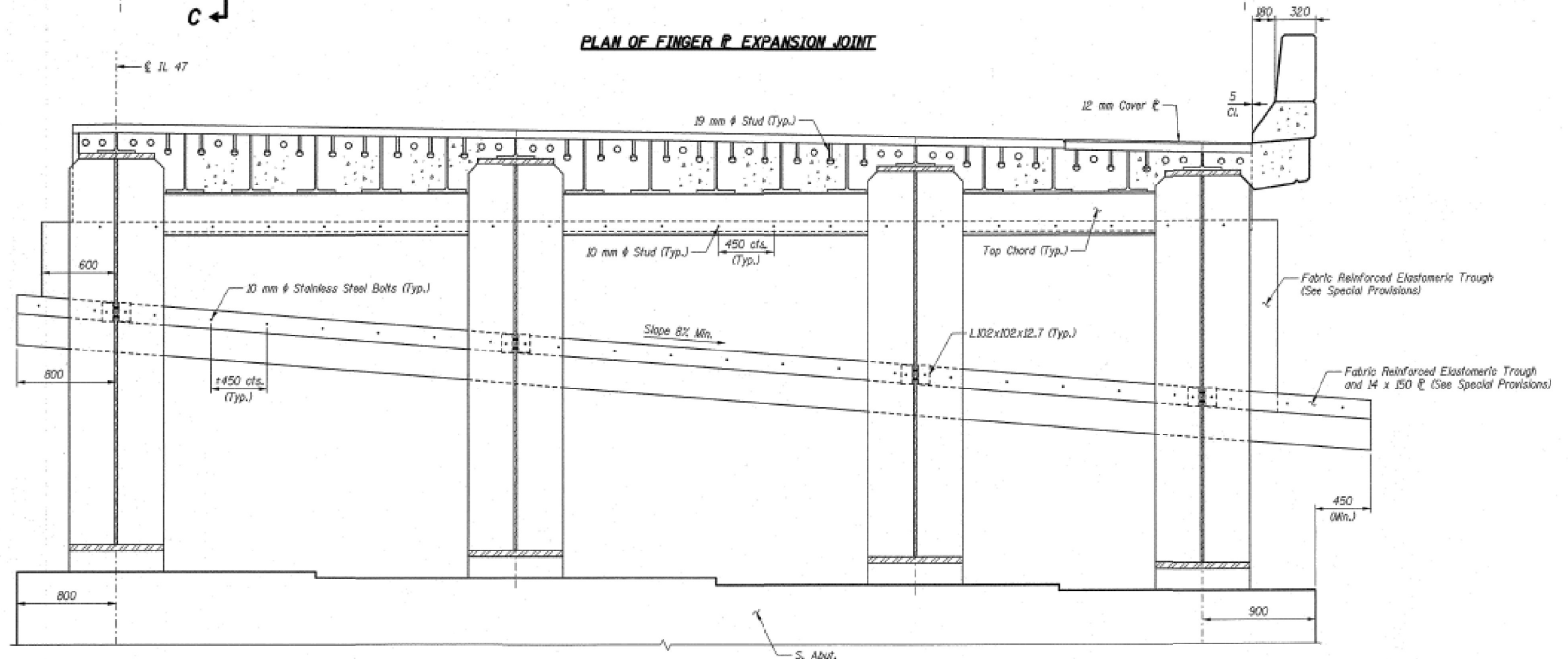
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	**	LAS & GR	24	15
CONTRACT NO. 66N43				

SCALE: _____ SHEET 2 OF 10 SHEETS STA. _____ TO STA. _____

ILLINOIS FED. AID PROJECT
* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (180)BC-4 & (111BR-1)-2,BC-2



PLAN OF FINGER & EXPANSION JOINT



SECTION A-A
(Cross Frames Not Shown for Clarity)

FOR INFORMATION ONLY

MODEL: SPODELNAMES
FILE NAME: SPELES

USER NAME = SUSERS	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
PLOT SCALE = SCALES	CHECKED - YP	REVISED -
PLOT DATE = SDATES	DATE - 3/17/2023	REVISED -

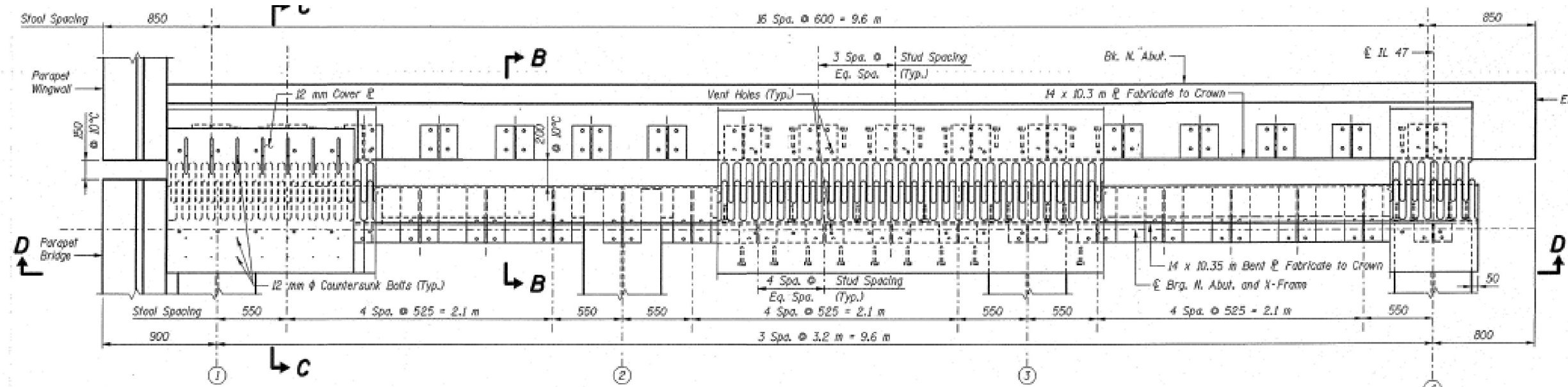
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING EXPANSION JOINT DETAILS
SOUTHBOUND AT SOUTH ABUTMENT
LOCATION NO. 2 - STRUCTURE NO. 032-0099 (MORRIS)

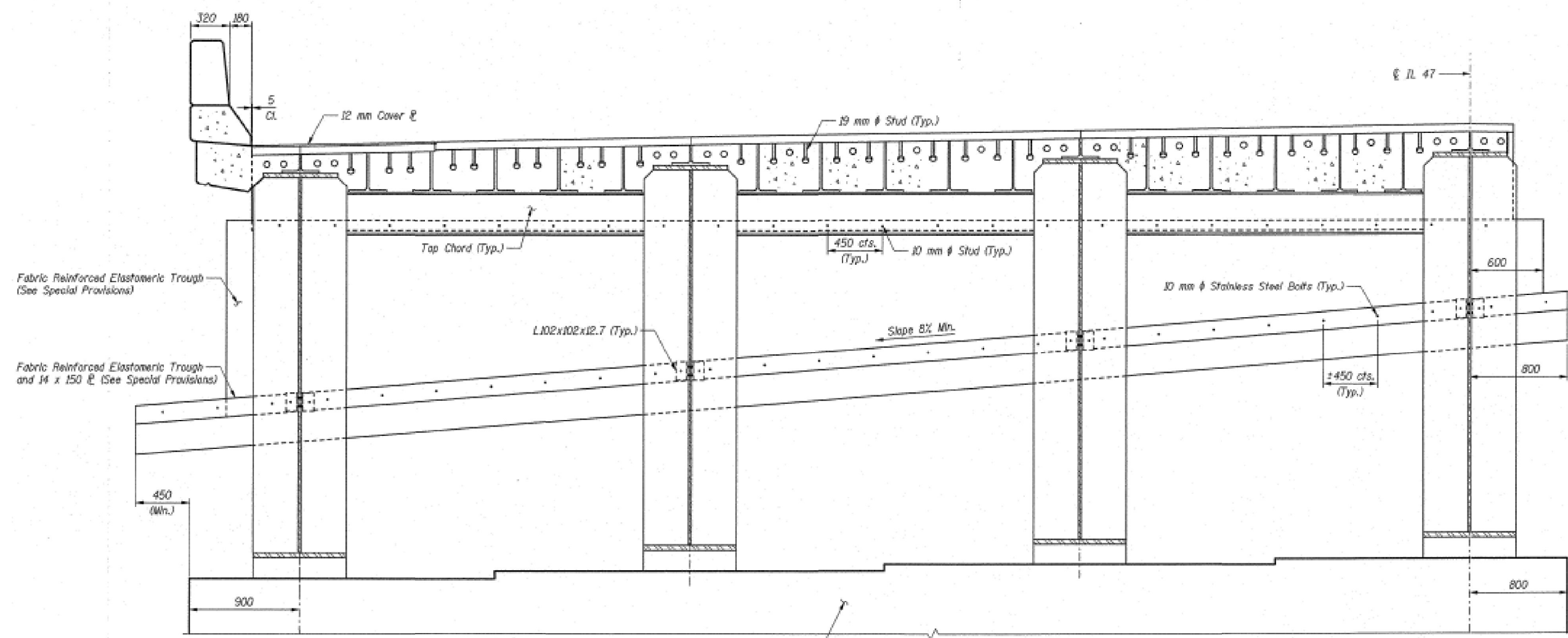
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	**	LAS & GR	24	16
CONTRACT NO. 66N43				

SCALE: _____ SHEET 3 OF 10 SHEETS STA. _____ TO STA. _____

ILLINOIS FED. AID PROJECT
* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (180)BC-4 & (111BR-1)-2,BC-2



PLAN OF FINGER P EXPANSION JOINT



SECTION D-D
(Cross Frames Not Shown For Clarity)

FOR INFORMATION ONLY

MODEL: SMOELNAMES
FILE NAME: SPELES

USER NAME = SUSERS	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
PLOT SCALE = SSCALES	CHECKED - YP	REVISED -
PLOT DATE = SDATES	DATE - 3/17/2023	REVISED -

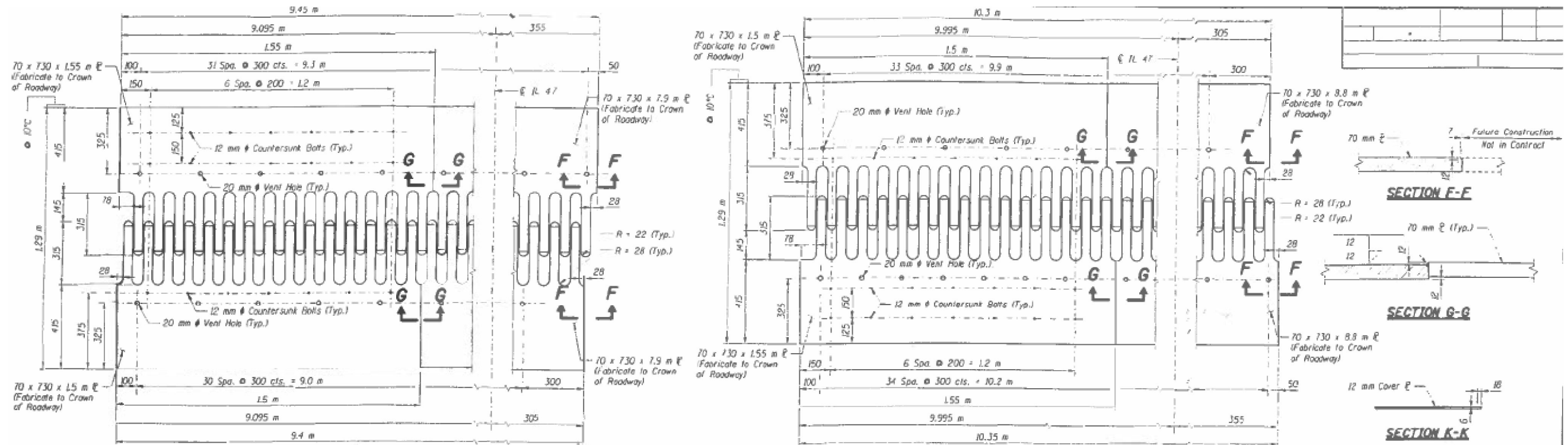
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING EXPANSION JOINT DETAILS
SOUTHBOUND AT NORTH ABUTMENT
LOCATION NO. 2 - STRUCTURE NO. 032-0099 (MORRIS)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LAS & GR	24	17
CONTRACT NO. 66N43				

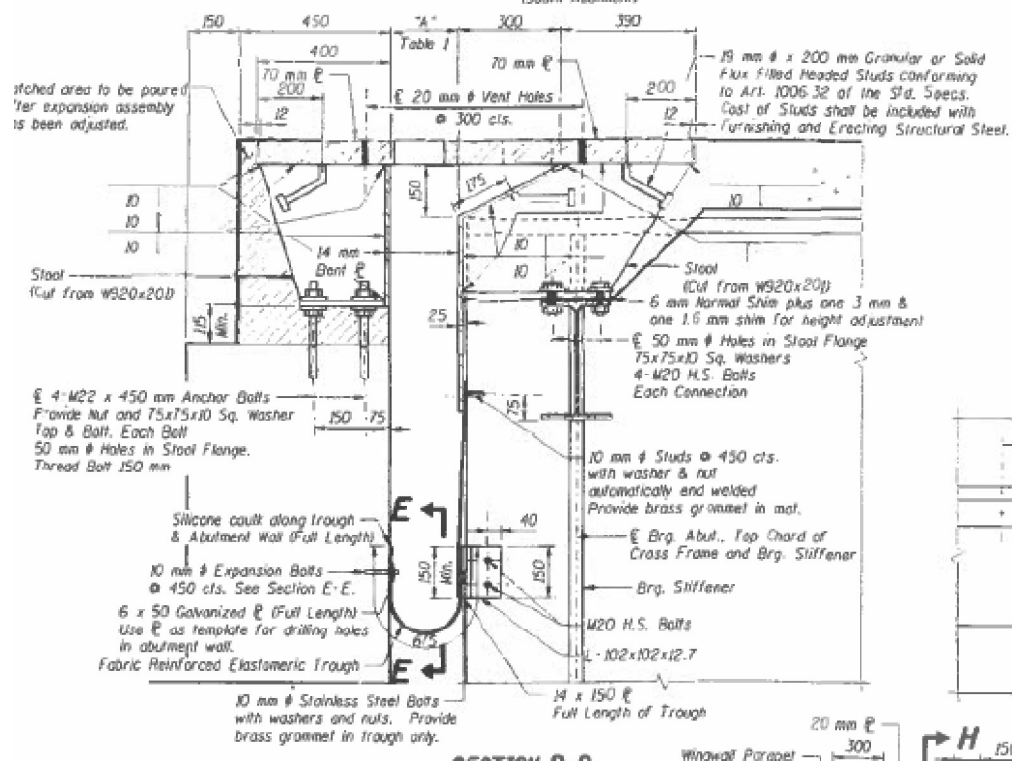
SCALE: _____ SHEET 4 OF 10 SHEETS STA. _____ TO STA. _____

ILLINOIS FED. AID PROJECT
* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (180)BC-4 & (111BR-1)-2,BC-2

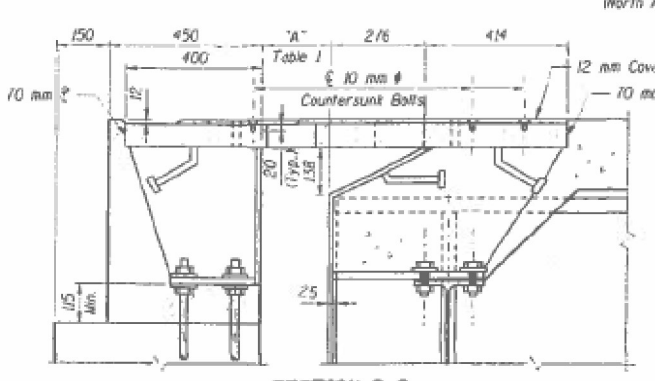


DETAIL OF FLAME CUT PLATES
(South Abutment)

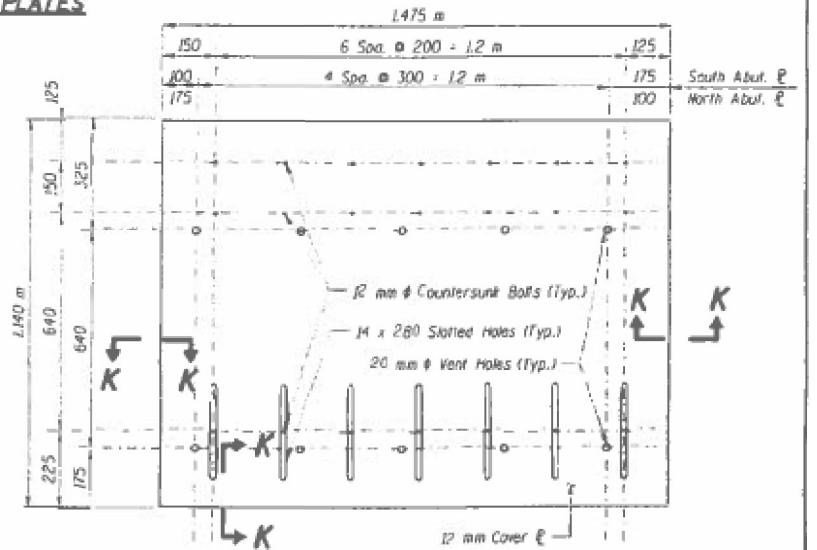
DETAIL OF FLAME CUT PLATES
(North Abutment)



SECTION B-B



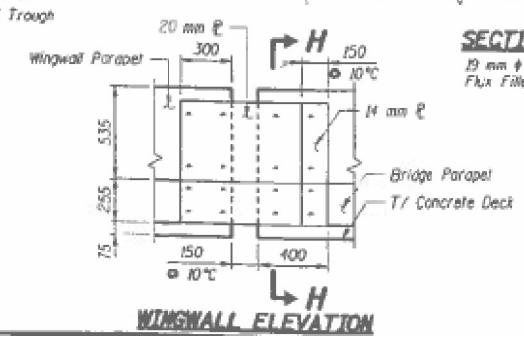
SECTION C-C



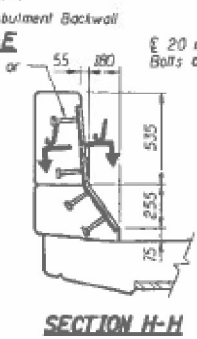
COVER PLATE DETAIL
(2 Thus)

TEMP. (°C)	"A"
-20	113
-10	142
0	171
10	200
20	229
30	258
40	287

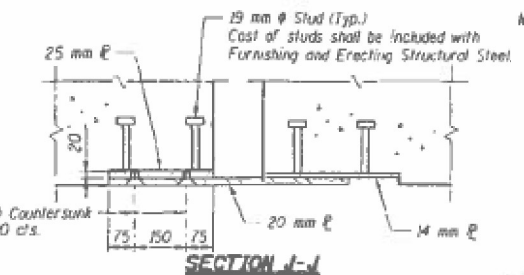
TABLE 1



WINGWALL ELEVATION



SECTION H-H

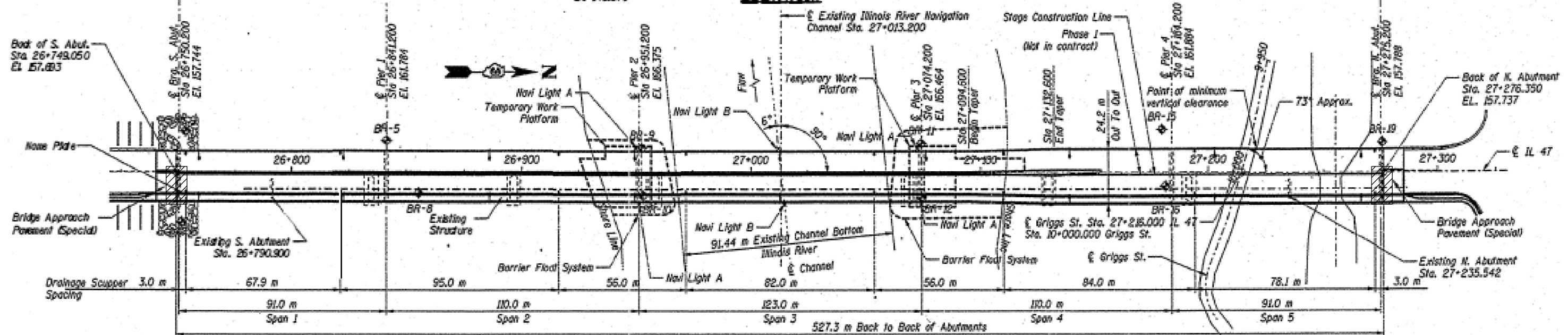
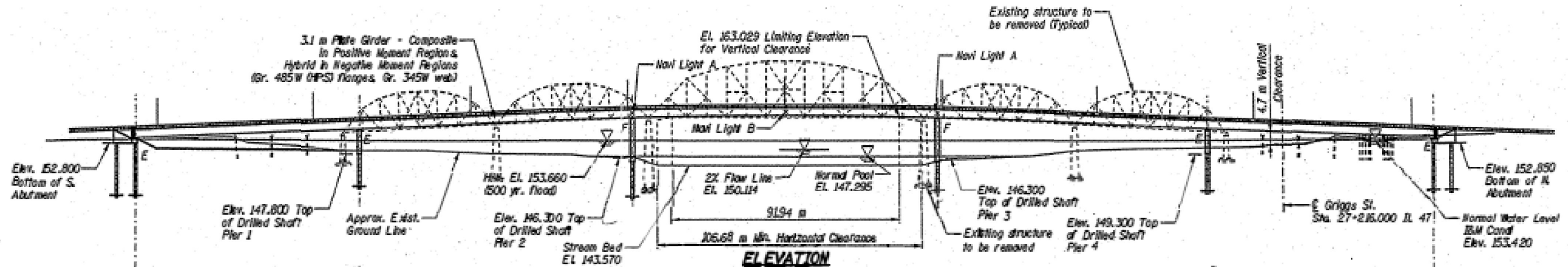


SECTION J-J

- Notes:**
1. Work this steel with Sheets 5-034 and 5-035.
 2. All dimensions are in millimeters (mm) except as noted.
 3. 70 mm Flame Cut E's shall be AASHTO M270 M Grade 345W. All other steel plates, shapes and bars may be AASHTO M270 M Grade 345W or AASHTO M270 M Grade 250.
 4. Roadway expansion guards shall be assembled in the proper position with the ends in place and shall be left assembled for shop inspection.
 5. The roadway expansion plates shall be flame cut as provided in Article 504.04(b) of the Standard Specifications.

FOR INFORMATION ONLY

USER NAME = SUSERS	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING EXPANSION JOINT DETAILS SOUTHBOUND LOCATION NO. 2 - STRUCTURE NO. 032-0099 (MORRIS)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - RW	CHECKED - YP	REVISED -		SCALE: _____	SHEET 5	OF 10 SHEETS	STA. _____	TO STA. _____	LAS & GR	24	18
PLOT SCALE = SCALES	DATE - 3/17/2023	REVISED -		ILLINOIS	FED. AID PROJECT	ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47) SECTION: (180)BC-4 & (111BR-1)-2BC-2					
PLOT DATE = SDATES				CONTRACT NO. 66N43							



LOCATION OF ELASTOMERIC TROUGH REPLACEMENT

FOR INFORMATION ONLY

MODEL: SPODELNAMES
FILE NAME: SPELES

USER NAME = SUSERS	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
PLOT SCALE = SCALES	CHECKED - YP	REVISED -
PLOT DATE = SDATES	DATE - 3/17/2023	REVISED -

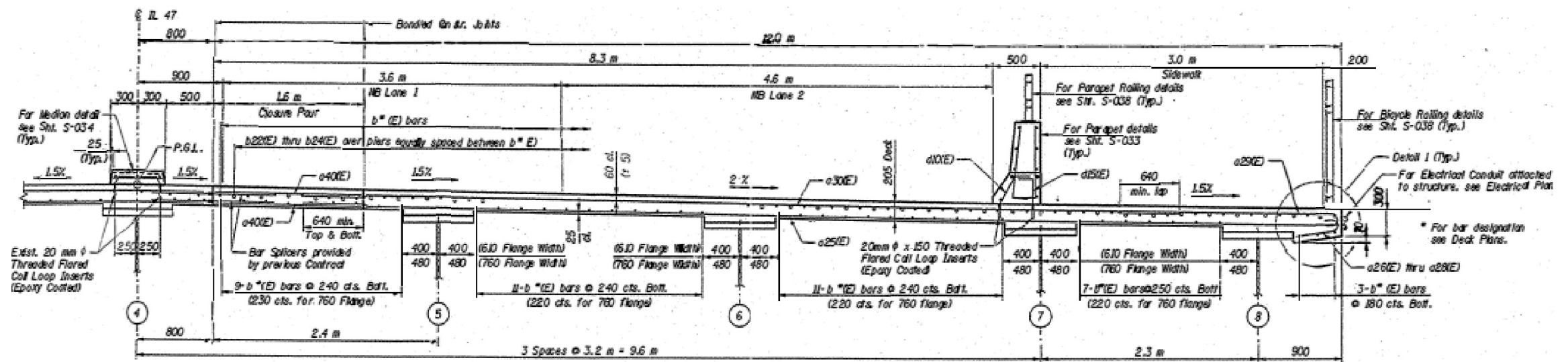
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
NORTHBOUND
LOCATION 2 - STRUCTURE NO. 032-0099

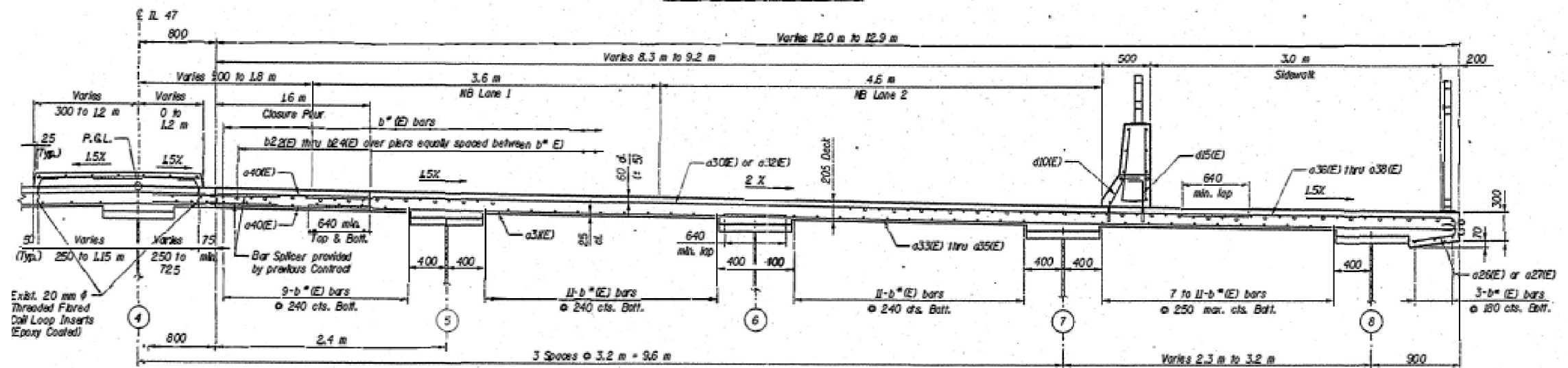
SCALE: _____ SHEET 6 OF 10 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LAS & GR	24	19
CONTRACT NO. 66N43				
ILLINOIS FED. AID PROJECT				

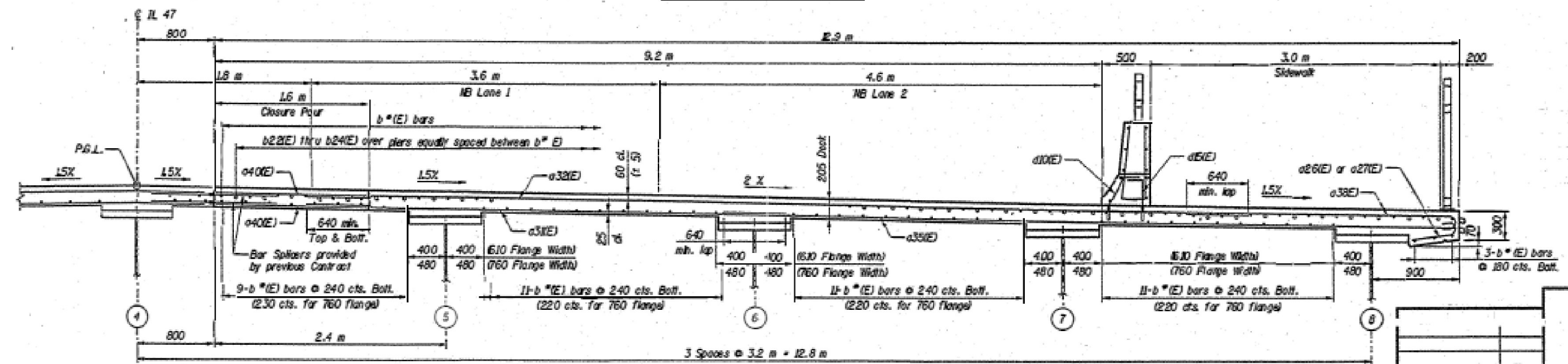
ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
SECTION: (180)BC-4 & (111BR-1)-2,BC-2



DECK CROSS SECTION A-A



DECK CROSS SECTION B-B



DECK CROSS SECTION C-C

FOR INFORMATION ONLY

MODEL: MODELNAMES
FILE NAME: SPELES

USER NAME = SUSERS	DESIGNED - RW	REVISED -
DRAWN - RW	CHECKED - YP	REVISED -
PLOT SCALE = SSCALES	DATE - 3/17/2023	REVISED -
PLOT DATE = SDATES		

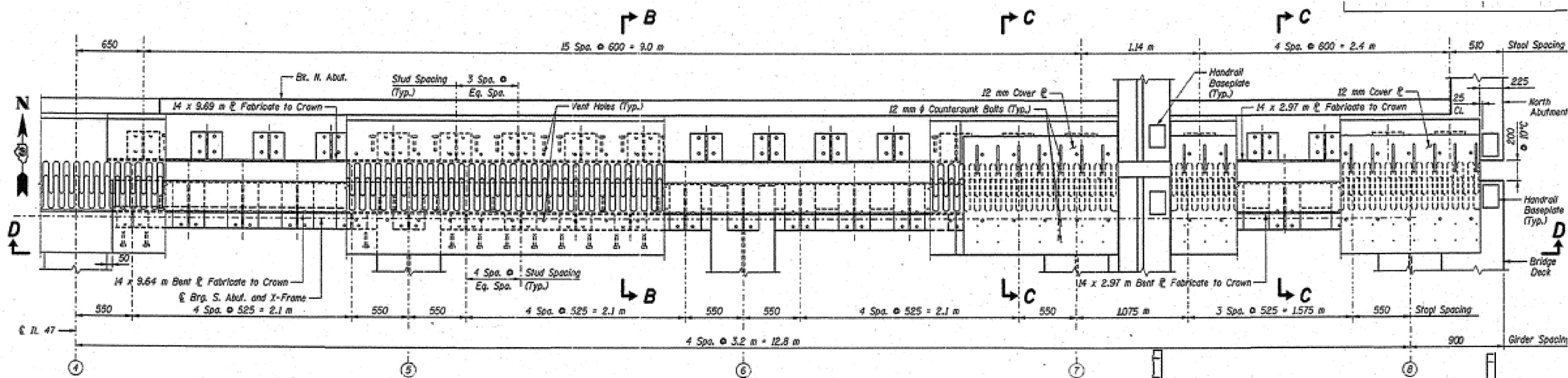
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING DECK CROSS SECTIONS
NORTHBOUND
LOCATION NO. 2 - STRUCTURE NO. 032-0099 (MORRIS)

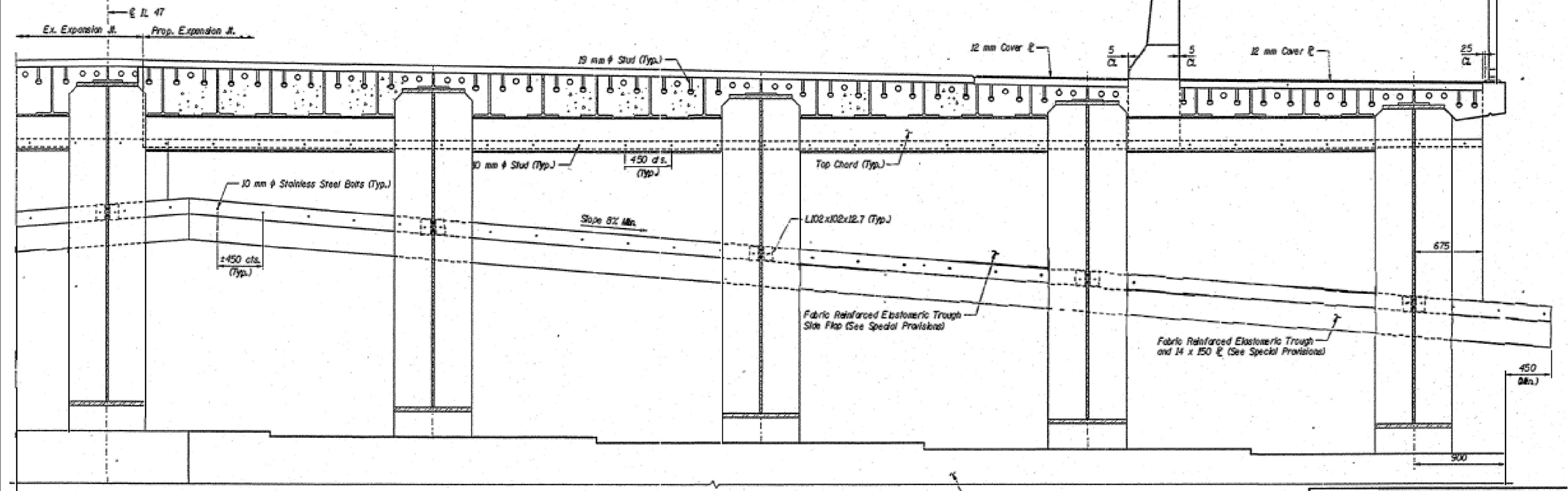
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LAS & GR	24	20
			CONTRACT NO. 66N43	

SCALE: _____ SHEET 7 OF 10 SHEETS STA. _____ TO STA. _____

ILLINOIS FED. AID PROJECT
* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (180)BC-4 & (111BR-1)-2BC-2



PLAN OF FINGER P EXPANSION JOINT



SECTION D-D
(Cross Frames Not Shown for Clarity)

FOR INFORMATION ONLY

MODEL: MODELNAMES
FILE NAME: SPEL5

USER NAME = SUSERS	DESIGNED - RW	REVISED -
DRAWN - RW	REVISIONS -	
PLOT SCALE = SSCALES	CHECKED - YP	REVISED -
PLOT DATE = SDATES	DATE - 3/17/2023	REVISED -

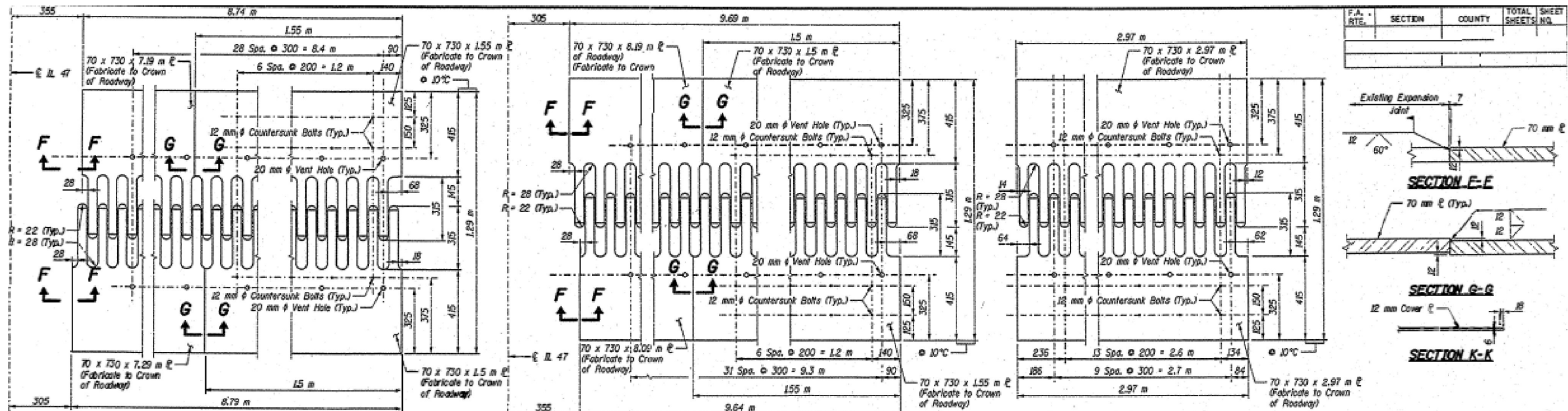
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING EXPANSION JOINT DETAILS
NORTHBOUND AT SOUTH ABUTMENT
LOCATION NO. 2 - STRUCTURE NO. 032-0099 (MORRIS)

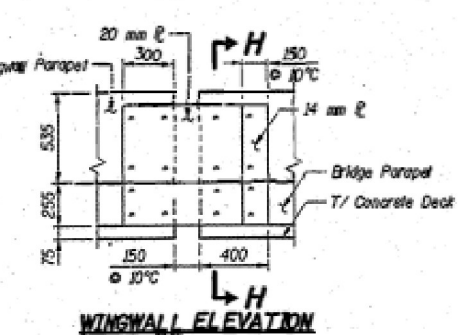
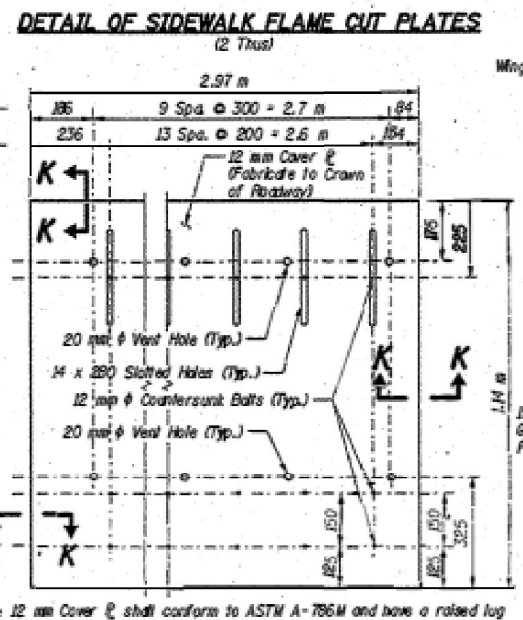
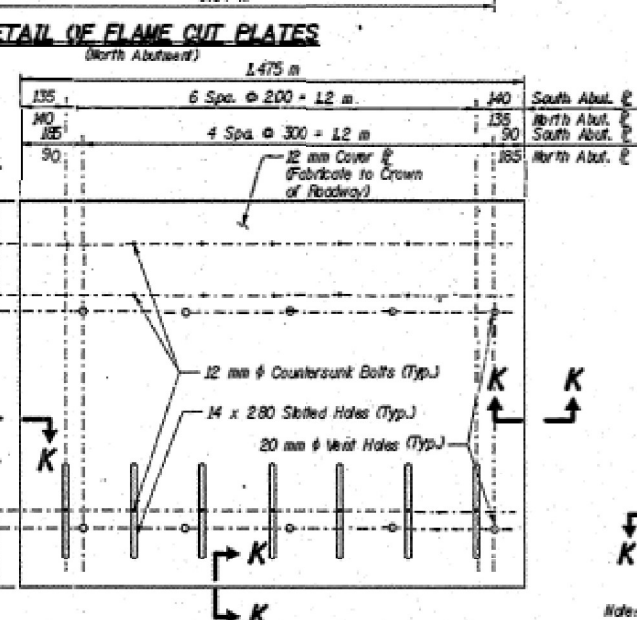
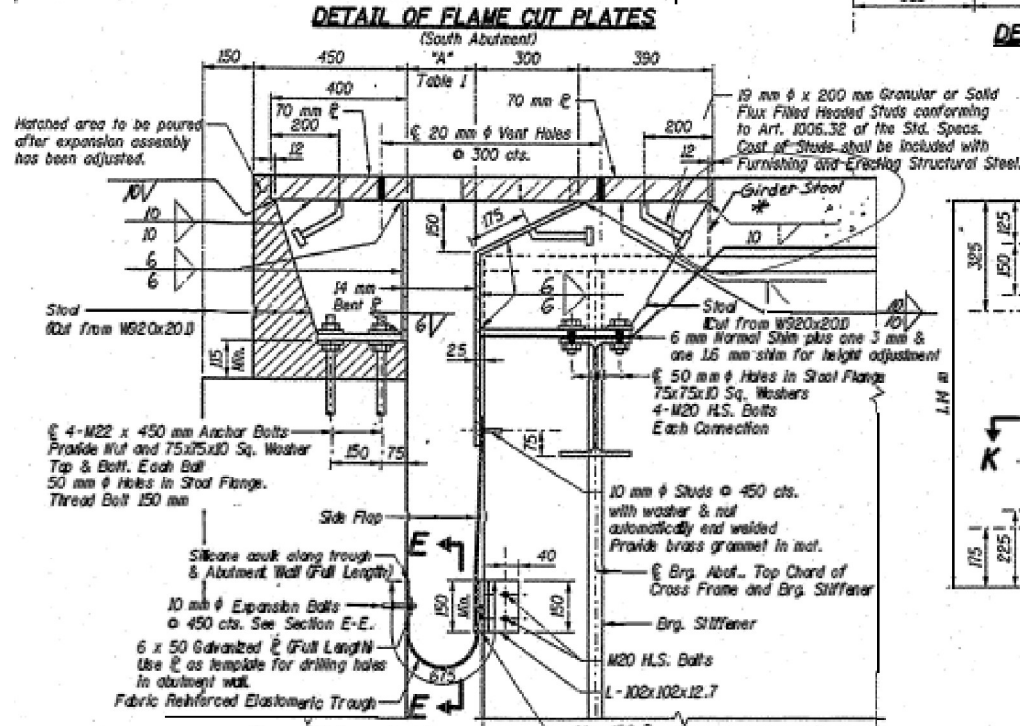
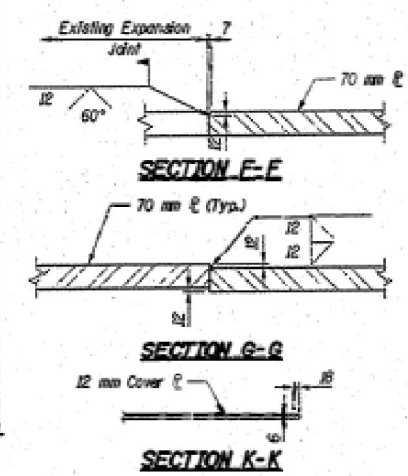
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LAS & GR	23	22
CONTRACT NO. 66N43				

SCALE: _____ SHEET 9 OF 10 SHEETS STA. _____ TO STA. _____

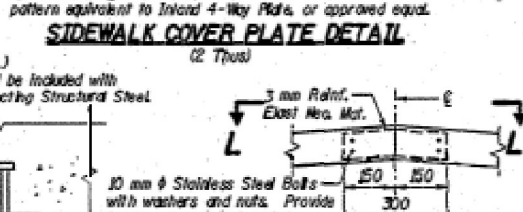
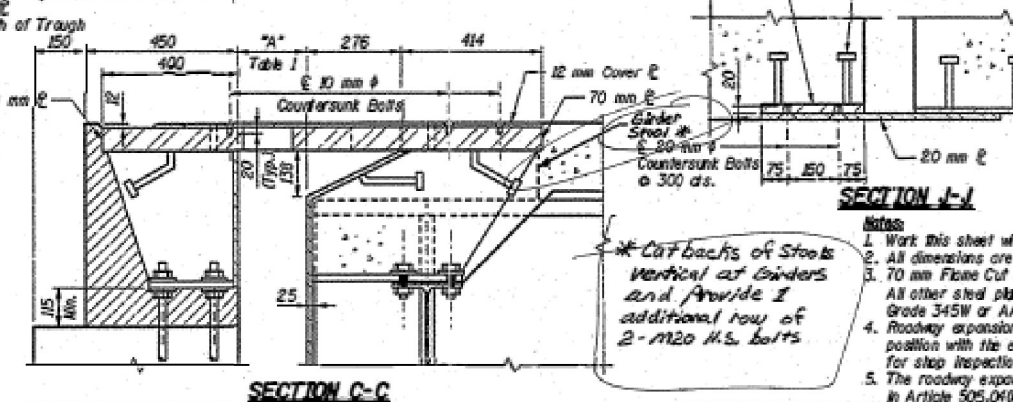
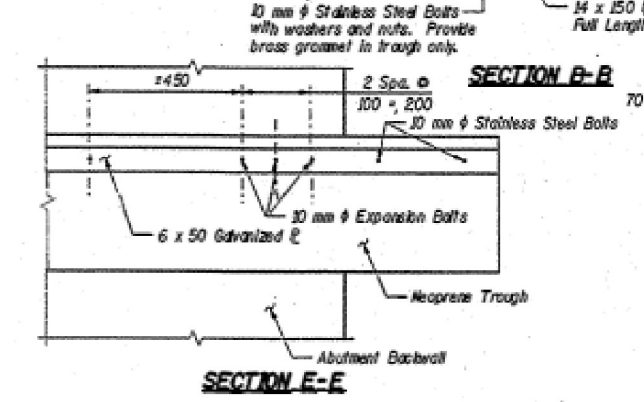
ILLINOIS FED. AID PROJECT
ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
SECTION: (180)BC-4 & (111BR-1)-2,BC-2



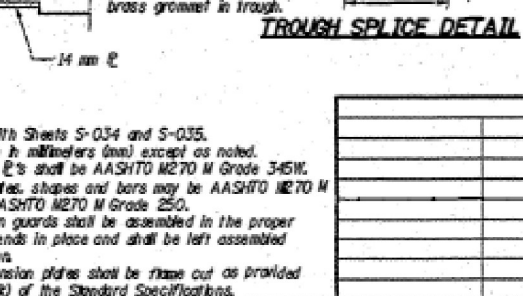
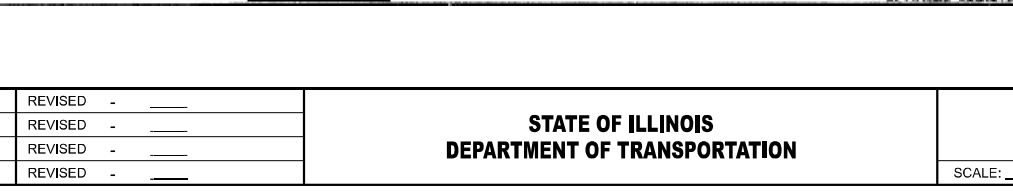
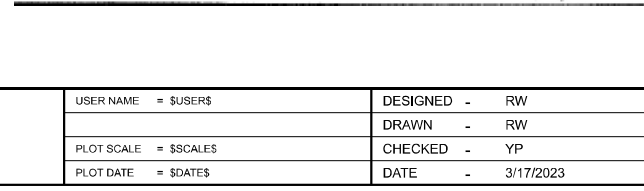
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			24	23



TEMP. (°C)	"A"
-20	267
-10	258
0	229
10	200
20	171
30	142
40	113



Item	Unit	Total
Fabric Reinforced Elastomeric Trough	m	26.3



Item	Unit	Total
Fabric Reinforced Elastomeric Trough	m	26.3

MODEL: SP06LNAME5
FILE NAME: SP06L

USER NAME	DESIGNED	REVISION
SUSERS	RW	
	RW	
	YP	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

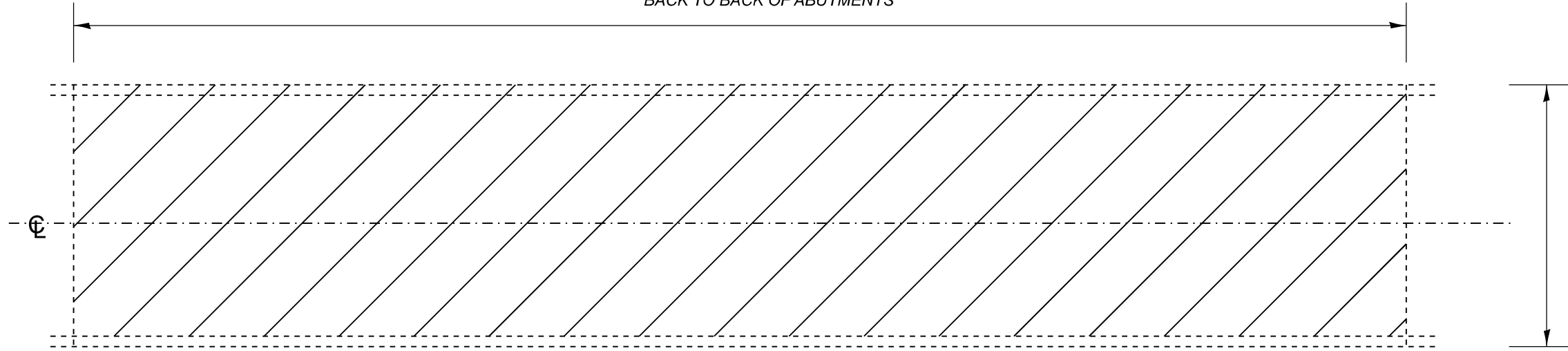
EXISTING EXPANSION JOINT DETAILS
NORTHBOUND
LOCATION NO. 2 - STRUCTURE NO. 032-0099 (MORRIS)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LAS & GR	24	23
CONTRACT NO. 66N43				

FOR INFORMATION ONLY

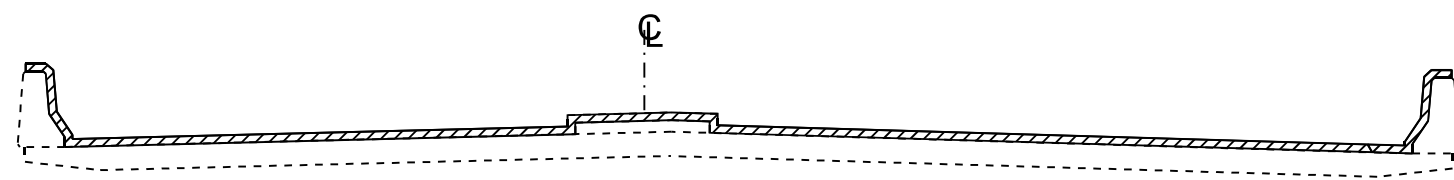
ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
SECTION: (180)BC-4 & (111BR-1)2BC-2

LIMITS OF BRIDGE DECK SEALING
END TO END OF DECK
BACK TO BACK OF ABUTMENTS

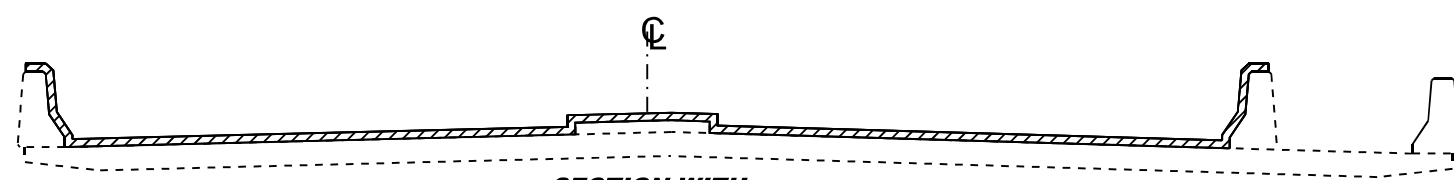


LIMITS OF BRIDGE DECK SEALING
OUT TO OUT OR FACE TO FACE
SEE CROSS SECTION VIEW

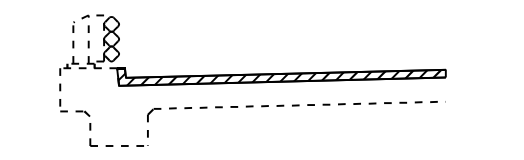
PLAN VIEW



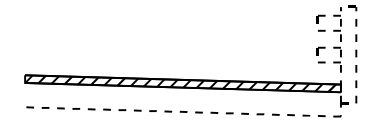
SECTION WITH PARAPET AND MEDIAN



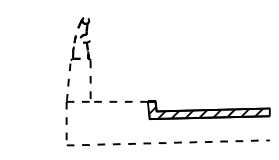
SECTION WITH PARAPET AND MEDIAN & SHARED-USE PATH OR SIDEWALK (PARAPET TYPES MAY VARY)



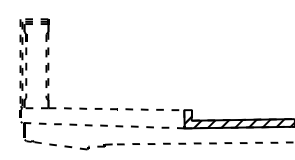
SECTION WITH CURB AND TUBULAR THRIE BEAM RETROFIT RAIL



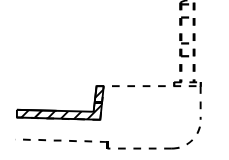
SECTION WITH BRIDGE RAIL



CONCRETE AND ALUMINUM RAILING

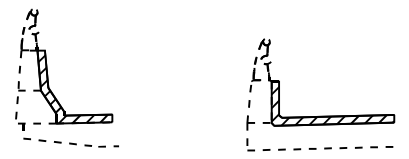


CONCRETE BRIDGE RAILING

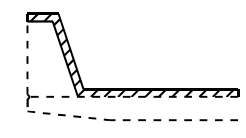


BRIDGE RAIL

VARIOUS SECTIONS WITH SIDEWALK AND/OR CONCRETE CURB



SECTION WITH CONCRETE AND ALUMINUM RAILING



CONSTANT SLOPE PARAPET

AREA TO BE SEALED

NOT TO SCALE

NOTE: BRIDGE APPROACH PAVEMENT SHALL NOT BE SEALED.

EXISTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE TEMPORARILY COVERED PRIOR TO APPLICATION OF THE DECK SURFACE TREATMENT TO PREVENT THE MATERIAL FROM BEING APPLIED TO THE MARKINGS AND TO PROTECT THE REFLECTIVE PROPERTIES OF THE MARKINGS. THE TEMPORARY COVERING MATERIAL USED SHALL BE SUCH THAT IT WILL NOT AFFECT THE MARKING'S REFLECTIVITY WHEN REMOVED AFTER APPLICATION OF THE DECK SURFACE TREATMENT AND PRIOR TO OPENING TO TRAFFIC. COST INCLUDED WITH CONCRETE SEALER.

EXISTING EXPANSION JOINTS SHALL BE TEMPORARILY COVERED, PRIOR TO APPLICATION OF THE DECK SURFACE TREATMENT, TO PREVENT THE MATERIAL FROM BEING APPLIED TO THE JOINTS. THE TEMPORARY COVERING SHALL BE REMOVED AFTER THE APPLICATION OF THE DECK SURFACE TREATMENT AND PRIOR TO OPENING TO TRAFFIC. COST IS INCLUDED WITH CONCRETE SEALER.

MODEL: \$MODELNAME\$
FILE NAME: \$FILE\$

USER NAME = \$USERS\$	DESIGNED - RW	REVISED - ____
	DRAWN - RW	REVISED - ____
PLOT SCALE = \$\$SCALE\$	CHECKED - YP	REVISED - ____
PLOT DATE = \$DATES\$	DATE - 3/17/2023	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK & PARAPET
SEALING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAS & GR	24	24
CONTRACT NO. 66N43				

* ROUTE: F.A.P. 46 (IL 251) & F.A.P. 326 (IL 47)
** SECTION: (180)BC-4 & (111BR-1)J-2,BC-2