## STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

**PROPOSED** 

HIGHWAY PLANS

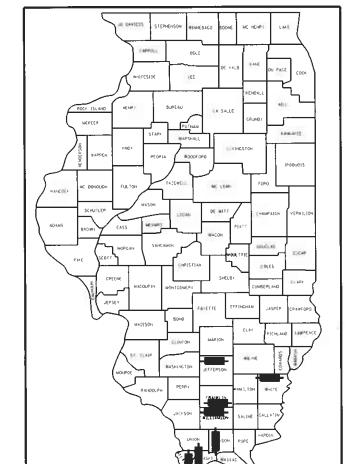
**VARIOUS ROUTES** 

**SECTION D9 BRIDGE PAINT 2021-1** 

PROJECT STP-5YAC(792)

#### SECTION COUNTY VAR | D9 BRIDGE PAINT 2021-1 VARIOUS 71 1 ILLINOIS CONTRACT NO. 78836

#### D-99-012 - 21



## STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

LOCATION OF SECTION INDICATED THUS: - -

TR-82 OVER 1-24

BRIDGE NO. 14

BRIDGE NO. 12

STRUCTURE NO. 002-0014

IL 3 OVER CACHE RIVER

STRUCTURE NO. 077-0028

FAS 940 OVER 1-57 & US 51

**REGION FIVE ENGINEER** 

January 29, 2

ENGINEER OF DESIGN AND ENVIRONMEN January 29,

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY

OF THE STATE OF ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 5-10

BRIDGE NO. 1 SN. 041-0059 FAI-57/RAMP (ONE LANE) 2019 ADT=1450, 29% TRUCKS TOWNSHIP-MCCLELLAN POSTED SPEED: 50 MPH BRIDGE NO. 2 SNL 041-0007

0

0

0

1-57 NB 2019 ADT = 14500, 24% TRUCKS TOWNSHIP-MCCLELLAN POSTED SPEED: 65 MPH

BRIDGE NO. 3 SN. 041-0075 1-64 EB 2019 ADT = 13250, 28% TRUCKS TOWNSHIP-SHILOH

POSTED SPEED: 70 MPH BRIDGE NO. 4 SN. 041-0076 1-64 WB

2019 ADT = 13250, 28% TRUCKS TOWNSHIP-SHILOH POSTED SPEED: 70 MPH

BRIDGE NO. 5 IL 142 2019 ADT = 3050, 6% TRUCKS

TOWNSHIP-PENDLETON POSTED SPEED: 40 MPH

BRIDGE NO. 6 SN. 041-0064 TR-26 2016 ADT = 125, 6% TRUCKS TOWNSHIP-CASNER POSTED SPEED: 55 MPH

BRIDGE NO. 7 SN. 097-0040 1-64 EB 2019 ADT = 6350, 39% TRUCKS TOWNSHIP-BURNT PRAIRIE POSTED SPEED: 70 MPH

BRIDGE NO. 8 SN. 100-3010 FAS 903 2016 ADT = 6300, 7% TRUCKS TOWNSHIP-CO UNIT ROAD DIST POSTED SPEED: 55 MPH

BRIDGE NO. 9 SN. 100-3011 FAS 903 2016 ADT = 6300, 7% TRUCKS TOWNSHIP-CO UNIT ROAD DIST POSTED SPEED: 55 MPH BRIDGE NO. 10 SN. 100-0029 IL 166 2019 ADT = 2800, 9% TRUCKS

TOWNSHIP-CO UNIT ROAD POSTED SPEED: 55 MPH BRIDGE NO. 1) SN. 028-0037 IL 149 2019 ADT = 2550, 8% TRUCKS

POSTED SPEED: 55 MPH SN. 002-0014 IL 3 2019 ADT = 1850, 18% TRUCKS TOWNSHIP-CO UNIT ROAD

POSTED SPEED: 55 MPH

TOWNSHIP-DENNING

BRIDGE NO. 13 SN. 002-0033 IL 127 2017 ADT = 700, 10% TRUCKS TOWNSHIP-CO UNIT ROAD POSTED SPEED: 55 MPH

BRIDGE NO. 14 SN. 077-0028 FAS 940 2018 ADT = 325, 21% TRUCKS TOWNSHIP-CO UNIT ROAD POSTED SPEED: 55 MPH

BRIDGE NO. 15 SN. 044-0033 TR-15 2016 ADT = 1150, 3% TRUCKS TOWNSHIP-CO UNIT ROAD POSTED SPEED: 45 MPH

BRIDGE NO. 16 SN, 044-0034 TR-82 2016 ADT = 350. 5% TRUCKS TOWNSHIP-CO UNIT ROAD POSTED SPEED: 45 MPH

STRUCTURE NO. 100-3011-

FAS 903 OVER LAKE CREEK

STRUCTURE NO. 100-0029

STRUCTURE NO. 002-0033-

IL 127 OVER SANDY CREEK

IL 166 OVER S FORK

BRIDGE NO. 13

BRIDGE NO. 10

SALINE RELIEF

DESIGN DESIGNATION: N/A COORDINATE SYSTEM : N/A

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

PROJECT DESIGNER: DAVID WILSON

PROJECT ENGINEER: MICHAEL STEPHENSON

**CONTRACT NO. 78836** 

**VARIOUS COUNTIES** C-99-019-21 BRIDGE NO. 3 STRUCTURE NO. 041-0075 BRIDGE NO. 1 1-64 EB OVER BIG MUDDY STRUCTURE NO. 041-0059 RIVER I-57 RAMP OVER I-57 NB BRIDGE NO. 4 BRIDGE NO. 2 STRUCTURE NO. 041-0076 -STRUCTURE NO. 041-0007 1-64 WB OVER BIG MUDDY 1-57 NB OVER 1-64 EB RIVER BRIDGE NO. 6 BRIDGE NO. 5 STRUCTURE NO. 041-0064 STRUCTURE NO. 041-0046 TR-26 OVER 1-64 IL 142 OVER IC RR BRIDGE NO. 11 BRIDGE NO. 7 STRUCTURE NO. 028-0037 STRUCTURE NO. 097-0040 IL 149 OVER BIG MUDDY-1-64 EB OVER POND CREEK BRIDGE NO. 15 BRIDGE NO. 8 STRUCTURE NO. 044-0033 STRUCTURE NO. 100-3010-TR-15 OVER I-24 FAS 903 OVER BEAR CREEK BRIDGE NO. 16 BRIDGE NO. 9 STRUCTURE NO. 044-0034

Prepared By: Charles

DISTRICT STUDIES & PLANS ENGINEER

Examined By:

DISTRICT LAND ACQUISITION ENGINEER

Examined By:

DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By:

DISTRICT OPERATIONS ENGINEER

Examined By:

DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Duly ) while DISTRICT CONSTRUCTION ENGINEER

Examined By:

USER NAME = WILSONDA DESIGNED REVISED STATE OF ILLINOIS SIGNATURE SHEET 
 VAR
 D9 BRIDGE PAINT 2021-1
 VARIOUS
 71
 2

 CONTRACT NO. 78836
 REVISED REVISED **DEPARTMENT OF TRANSPORTATION** CHECKED OF \_\_\_ SHEETS STA.

#### **GENERAL NOTES**

THE CONTRACTOR IS REQUIRED TO BE SSPC OP1 AND SSPC OP2 CERTIFIED.

A CONTRACTOR'S RIGHT-OF-ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON RAILROAD PROPERTY. THE COST TO OBTAIN THIS PERMIT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE 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.

FOR STRUCTURE 041-0059, CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL WITHIN 10' (MEASURED ALONG THE BEAM) OF EITHER SIDE OF SPECIFIED DECK JOINTS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE BLUE. MUNSELL NO. 10B 3/6.

FOR STRUCTURE 041-0007, CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL WITHIN 5 FT. (MEASURED ALONG THE BEAM) OF EITHER SIDE OF SPECIFIED DECK JOINTS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - 0Z/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE BLUE, MUNSELL NO. 10B 3/6.

FOR STRUCTURES 041-0075, CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL WITHIN 5 FT. (MEASURED ALONG THE BEAM) OF EITHER SIDE OF SPECIFIED DECK JOINTS AND THE OUTSIDE AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN, MUNSELL NO. 7.5G 4/8.

FOR STRUCTURE 041-0076 CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL WITHIN 5 FT. (MEASURED ALONG THE BEAM) OF EITHER SIDE OF SPECIFIED DECK JOINTS AND THE OUTSIDE AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - 0Z/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN. MUNSELL NO. 7.5G 4/8.

FOR STRUCTURE 041-0046 CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL WITHIN 5' (MEASURED ALONG THE BEAM) OF EITHER SIDE OF SPECIFIED DECK JOINTS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - 0Z/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GREEN, MUNSELL NO. 7.5B 4/8. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.

FOR STRUCTURE 041-0064, CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10 AND PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - 0Z/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE BLUE, MUNSELL NO. 10B 3/6.

FOR STRUCTURE 097-0040, CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - 0Z/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.

FOR STRUCTURE 100-3010 and 100-3011. CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL WITHIN 5 FT. (MEASURED ALONG THE BEAM) OF EITHER SIDE OF SPECIFIED DECK JOINTS AND THE OUTSIDE AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL WITHIN 5 FT. OF SPECIFIED DECK JOINTS AND THE OUTSIDE AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - 0Z/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE GRAY, MUNSELL NO. 5B 7/1.

FOR STRUCTURES 100-0029, CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL WITHIN 10 FT. (MEASURED ALONG THE BEAM) OF EITHER SIDE OF SPECIFIED DECK JOINTS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - 0Z/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN, MUNSELL NO. 7.5G 4/8.

FOR STRUCTURES 028-0037, 002-0014, 002-0033, CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL WITHIN 5 FT. (MEASURED ALONG THE BEAM) OF EITHER SIDE OF SPECIFIED DECK JOINTS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - 0Z/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE INTERSTATE GREEN, MUNSELL NO. 7.5G 4/8.

FOR STRUCTURES 044-0033,044-0034,077-0028 CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES." ALL STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING -SSPC- SP10. ALL STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES AND BOTTOM OF THE FLANGE OF THE FASCIA BEAMS SHALL BE GREEN, MUNSELL NO. 7.5G 4/8.

A TOTAL OF 18 AIR MONITORS ARE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT 10 LOCATIONS. 4 AT BRIDGE NO. 5 (SN 041-0046), 1 AT BRIDGE NO. 6 (SN 041-0064), 1 AT BRIDGE NO. 7 (SN 097-0040), 1 AT BRIDGE NO. 8 (SN 100-3010), 2 AT BRIDGE NO. 9 (SN 100-3011), 1 AT BRIDGE NO. 10 (SN 100-0029), 2 AT BRIDGE NO. 11 (SN 028-0037), 1 AT BRIDGE NO. 13 (SN 002-0033), 3 AT BRIDGE NO. 15 (SN 044-0033), AND 2 AT BRIDGE NO. 16 (SN 044-0034).

COMMITMENTS: NONE

#### INDEX OF SHEETS

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
1	COVER SHEET	23-26	SN 041-0075/041-0076 STRUCTURE INFORMATION
2	SIGNATURE SHEET	27-29	SN 041-0046 STRUCTURE INFORMATION
3	INDEX OF SHEETS, STANDARDS AND GENERAL NOTES	30-32	SN 041-0064 STRUCTURE INFORMATION
4	AREAS OF CLEANING AND PAINTING	33-37	SN 097-0040 STRUCTURE INFORMATION
5-7	SUMMARY OF QUANTITIES (BRIDGES 1-8)	38-39	SN 100-3010 STRUCTURE INFORMATION
8-10	SUMMARY OF QUANTITIES (BRIDGES 9-16)	40-41	SN 100-3011 STRUCTURE INFORMATION
11	SN 041-0064 STAGE CONSTRUCTION DETAILS	42-45	SN 100-0029 STRUCTURE INFORMATION
12	SN 041-0064 STAGE I TYPICAL SHOULDER CLOSURE	46-50	SN 028-0037 STRUCTURE INFORMATION
13	SN 041-0064 STAGE II TYPICAL SHOULDER CLOSURE	51-54	SN 002-0014 STRUCTURE INFORMATION
14	SN 077-0028, 044-0033, 044-0034 STAGE	55-57	SN 002-0033 STRUCTURE INFORMATION
	CONSTRUCTION DETAILS	58-59	SN 077-0028 STRUCTURE INFORMATION
15-18	SN 041-0059 STRUCTURE INFORMATION	60-63	SN 044-0033 STRUCTURE INFORMATION
19-22	SN 041-0007 STRUCTURE INFORMATION	64-71	SN 044-0034 STRUCTURE INFORMATION

#### **STANDARDS**

701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15'(4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > TO 45 MPH
701400-10	APPROACH TO LANE CLOSURE FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/ EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/ EXPRESSWAY, WITH BARRIER
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY

SCALE:

REV. - MS

USER NAME = WILSONDA	DESIGNED	REVISED
	DRAWN	REVISED
PLOT SCALE = 100.0000 ' / in.	CHECKED	REVISED
PLOT DATE = 1/4/2021	DATE	REVISED

## **AREAS OF CLEANING & PAINTING**

BRIDGE NUMBER	STRUCTURE NUMBER	LEAD PRESENT	5' AT BEAM ENDS AT ABUTMENTS	10' AT BEAM ENDS AT ABUTMENTS	OUTSIDE AND BOTTOM FLANGE OF BOTH FASCIA BEAMS	ALL STRUCTURAL STEEL
1	041-0059	YES		Х		
2	041-0007	YES	X			
3	041-0075	YES	X		X	
4	041-0076	YES	X		X	
5	041-0046	YES	Х			
6	041-0064	YES				Х
7	097-0040	YES				Х
8	100-3010	YES	Х		Х	
9	100-3011	YES	Х		Х	
10	100-0029	NO		Х		
11	028-0037	NO	X *			
12	002-0014	NO	Х			
13	002-0033	NO	Х			
14	077-0028	YES				Х
15	044-0033	YES				X
16	044-0034	YES				X

\* Abut. & Pier #1 and #3

## TEMPORARY CONCRETE BARRIER/RELOCATE TEMPORARY CONCRETE BARRIER

STRUCTURE NUMBER	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER
041-0064	350	200
077-0028	450	450
044-0033	450	450
044-0034	450	450
TOTAL	1700	1550

USER NAME = WILSONDA DESIGNED - REVISED - STATE OF ILLINOIS
DRAWN - REVISED - STATE OF ILLINOIS
PLOT SCALE = 100,0000 '/ in.
PLOT DATE = 12/4/2020 DATE - REVISED - REVISED - REVISED - SCALE: SHEET OF SHEETS STA. TO STA.

F.A. SECTION	COUNTY	TOTAL SHEETS	NO.
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F.A. SECTION	COUNTY	TOTAL SHEETS	TOTA

			COUNTY:			JEFFI	ERSON			WHITE	WILLIAMSON
	SUMMARY OF QUANTITIES		ROUTE:	I-57 RAMP/ I-57 NB	I-57 NB/ I-64 EB	I-64 EB/ BIG MUDDY RIVER	I-64 WB/ BIG MUDDY RIVER	IL 142/ IC RR	TR-26/ I-64	I-64 EB/ POND CREEK	FAS 903/ BEAR CREEK
	(BRIDGES 1-8)		FUNDING:	90% FEDERAL 10% STATE	90% FEDERAL; 10% STATE	90% FEDERAL; 10% STATE	90% FEDERAL; 10% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	90% FEDERAL; 10% STATE	80% FEDERAL 20% STATE
			LOCATION:	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE NO.	BRIDGE NO. 2	BRIDGE NO.	BRIDGE NO. 4	BRIDGE NO. 5	BRIDGE NO. 6	BRIDGE NO. 7	BRIDGE NO. 8
				041-0059	041-0007	041-0075	041-0076	041-0046	041-0064	097-0040	100-3010
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	8						2		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	25	1	1	1	1	1	2	2	1
67100100	MOBILIZATION	L SUM	1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1					0.09	0.09		0.09
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	378	14	14	14	14	28	28	14	28
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1						1		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1700						350		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1550						200		
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	8						2		
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1						1		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	378						90		
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1							

REV. - MS

USER NAME = WILSONDA	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

SUMMARY OF QUANTITIES (BRIDGES 1-8)						F. R	A. RTE.	SECTIO			
						V	VAR	D9 BRIDGE P	AINT 20	2	
	SHEET	OF	SHEETS	STA.	TO STA.				TELIMOTE	7	

			COUNTY:			JEFFE	ERSON			WHITE	WILLIAMSON
	SUMMARY OF QUANTITIES		ROUTE:	I-57 RAMP/ I-57 NB	I-57 NB/ I-64 EB	I-64 EB/ BIG MUDDY RIVER	I-64 WB/ BIG MUDDY RIVER	IL 142/ IC RR	TR-26/ I-64	I-64 EB/ POND CREEK	FAS 903/ BEAR CREEK
	(BRIDGES 1-8)		FUNDING:	90% FEDERAL; 10% STATE	90% FEDERAL; 10% STATE	90% FEDERAL; 10% STATE	90% FEDERAL; 10% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	90% FEDERAL; 10% STATE	80% FEDERAL 20% STATE
			LOCATION:	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE NO.	BRIDGE NO. 2	BRIDGE NO. 3	BRIDGE NO. 4	BRIDGE NO. 5	BRIDGE NO. 6	BRIDGE NO. 7	BRIDGE NO. 8
				041-0059	041-0007	041-0075	041-0076	041-0046	041-0064	097-0040	100-3010
Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1		1						
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1			1					
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1				1				
Z0007105	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5	L SUM	1					1			
Z0007106	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 6	L SUM	1						1		
Z0007107	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 7	L SUM	1							1	
Z0007108	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 8	L SUM	1								1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1							
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1		1						
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1			1					

REV. - MS

USER NAME = WILSONDA	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

0118484	4 DV 0 F 0	LANITITICO	(DDID 0 E	· · · · · · · · · · · · · · · · · · ·	F.A. RTE	SECTION
SUMIM	ARY OF Q	JANTITIES	(BRIDGE	S 1-8)	VAR	D9 BRIDGE PAINT 2
SHEET	OF	SHEETS	STA.	TO STA.		TILLINOIS

0047

			0047								
			COUNTY:			JEFFE	ERSON			WHITE	WILLIAMSC
	SUMMARY OF QUANTITIES		ROUTE:	I-57 RAMP/ I-57 NB	I-57 NB/ I-64 EB	I-64 EB/ BIG MUDDY RIVER	I-64 WB/ BIG MUDDY RIVER	IL 142/ IC RR	TR-26/ I-64	I-64 EB/ POND CREEK	FAS 903/ BEAR CREE
	(BRIDGES 1-8)		FUNDING:	90% FEDERAL; 10% STATE	90% FEDERAL; 10% STATE	90% FEDERAL; 10% STATE	90% FEDERAL; 10% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	90% FEDERAL; 10% STATE	80% FEDER 20% STAT
			LOCATION:	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE NO.	BRIDGE NO. 2	BRIDGE NO.	BRIDGE NO. 4	BRIDGE NO. 5	BRIDGE NO. 6	BRIDGE NO. 7	BRIDGE No 8
				041-0059	041-0007	041-0075	041-0076	041-0046	041-0064	097-0040	100-3010
20010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1				1				
0010505	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1					1			
Z0010506	CLEANING AND PAINTING STEEL BRIDGE NO. 6	L SUM	1						1		
0010507	CLEANING AND PAINTING STEEL BRIDGE NO. 7	L SUM	1							1	
20010508	CLEANING AND PAINTING STEEL BRIDGE NO. 8	L SUM	1								1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1					1			

MODEL: Default

USER NAME = WILSONDA	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMA	RY OF QU	JANTITIES	(BRIDGE	S 1-8)
SHEET	OF	SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
VAR D9 BRIDGE PAINT 2021-1			VARIOUS	71	7
		CONTRACT	NO. 78	3836	
	ILLINOIS	ID PROJECT			

				WILLIAMSON		FRANKLIN	ALEXANDER		PULASKI	JOH	INSON
	SUMMARY OF QUANTITIES		ROUTE:	FAS 903/ LAKE CREEK	IL 166/ S FORK SALINE RELIEF	IL 149/ BIG MUDDY RIVER	IL 3/ CACHE RIVER	IL 127/ SANDY CREEK	FAS 940/ I-57& US 51	TR 15/ I-24	TR 82/ I-24
	(BRIDGES 9-16)		FUNDING:	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL 20% STATE	; 80% FEDERAL; 20% STATE	80% FEDERA 20% STATI
			LOCATION:	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE NO. 9	BRIDGE NO. 10	BRIDGE NO. 11	BRIDGE NO. 12	BRIDGE NO. 13	BRIDGE NO. 14	BRIDGE NO. 15	BRIDGE NO 16
				100-3011	100-0029	028-0037	002-0014	002-0033	077-0028	044-0033	044-0034
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH							2	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO		1	1	1	1	1	2	2	2
67100100	MOBILIZATION	L SUM		0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
0100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM		0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	6						2	2	2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA		28	28	28	28	28	28	28	28
70400100	TEMPORARY CONCRETE BARRIER	FOOT							450	450	450
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT							450	450	450
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH							2	2	2
7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH							96	96	96
X5060610	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 12	L SUM	1				1				
X5060611	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 10	L SUM	1		1						

MODEL: Default

USER NAME = WILSONDA	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
DLOT DATE - 11/05/2020	DATE	DEVICED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

	CUMMADY OF QUANTITIES (PRINCES Q 45)						A. SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
	SUMMARY OF QUANTITIES (BRIDGES 9-16)					VAR	D9 BRIDGE PAINT 2021-1		VARIOUS	71	8	
										CONTRAC	T NO. 78	3836
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT					

			COUNTY:	WILLIA	AMSON	FRANKLIN	ALEX	ANDER	PULASKI	JOHI	NSON
	SUMMARY OF QUANTITIES		ROUTE:	FAS 903/ LAKE CREEK	IL 166/ S FORK SALINE RELIEF	IL 149/ BIG MUDDY RIVER	IL 3/ CACHE RIVER	IL 127/ SANDY CREEK	FAS 940/ I-57& US 51	TR 15/ I-24	TR 82/ I-24
(BRIDGES 9-16)			FUNDING:	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERA 20% STATI
			LOCATION:	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE NO. 9	BRIDGE NO. 10	BRIDGE NO. 11	BRIDGE NO. 12	BRIDGE NO. 13	BRIDGE NO. 14	BRIDGE NO. 15	BRIDGE NO 16
				100-3011	100-0029	028-0037	002-0014	002-0033	077-0028	044-0033	044-0034
X5060612	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 11	L SUM	1			1					
X5060613	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 13	L SUM	1					1			
Z0007109	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 9	L SUM	1	1							
Z0007115	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 14	L SUM	1						1		
Z0007131	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 15	L SUM	1							1	
Z0007117	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 16	L SUM	1								1
Z0010509	CLEANING AND PAINTING STEEL BRIDGE NO. 9	L SUM	1	1							
Z0010510	CLEANING AND PAINTING STEEL BRIDGE NO. 10	L SUM	1		1						
Z0010511	CLEANING AND PAINTING STEEL BRIDGE NO. 11	L SUM	1			1					
Z0010512	CLEANING AND PAINTING STEEL BRIDGE NO. 12	L SUM	1				1				
Z0010513	CLEANING AND PAINTING STEEL BRIDGE NO. 13	L SUM	1					1			
Z0010514	CLEANING AND PAINTING STEEL BRIDGE NO. 14	L SUM	1						1		

REV. - MS

USER NAME = WILSONDA	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

011848445	W 0E 0U		(DDIDOEO	0.40	L	F.A. RTE.	SECTION
SUMMAR	RY OF QU	IANTITIES	(BRIDGES	9-16)		VAR	D9 BRIDGE PA
SHEET	OF	SHEETS	STA	TO STA	Г		11

			COUNTY:	WILLIA	AMSON	FRANKLIN	ALEX	ANDER	PULASKI	JOH	NSON
	SUMMARY OF QUANTITIES		ROUTE:	FAS 903/ LAKE CREEK	IL 166/ S FORK SALINE RELIEF	IL 149/ BIG MUDDY RIVER	IL 3/ CACHE RIVER	IL 127/ SANDY CREEK	FAS 940/ I-57& US 51	TR 15/ I-24	TR 82/ I-24
	(BRIDGES 9-16)		FUNDING:	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDERAL; 20% STATE	80% FEDER 20% STAT
			LOCATION:	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE NO. 9	BRIDGE NO.	BRIDGE NO.	BRIDGE NO. 12	BRIDGE NO. 13	BRIDGE NO. 14	BRIDGE NO. 15	BRIDGE N
				100-3011	100-0029	028-0037	002-0014	002-0033	077-0028	044-0033	044-0034
Z0010515	CLEANING AND PAINTING STEEL BRIDGE NO. 15	L SUM	1							1	
20010516	CLEANING AND PAINTING STEEL BRIDGE NO. 16	L SUM	1								1

MODEL: Default

USER NAME = WILSONDA	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

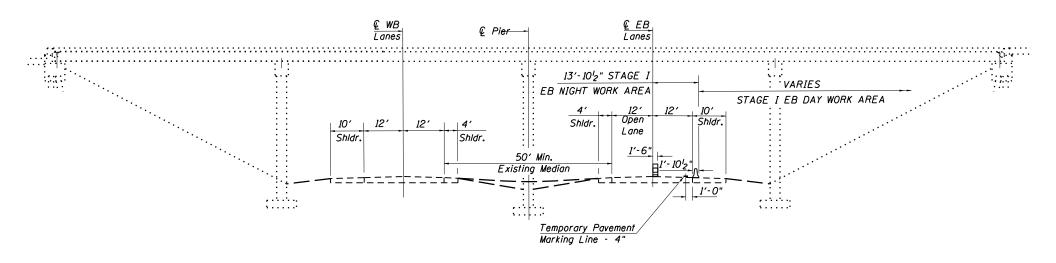
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

01184844	DV 05 011		(DDIDOE	0.0.40	RTE.	
SUMMARY OF QUANTITIES (BRIDGES 9-16)						D9
CHEET	OF	CHEETC	CTA	TO CTA		

F.A. RTE. SECTION COUNTY TOTAL SHEETS NO.

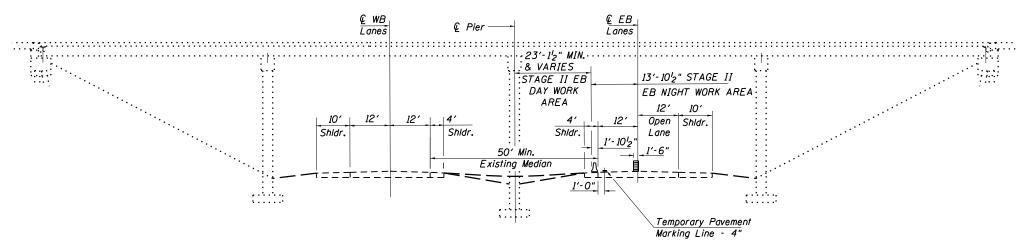
VAR D9 BRIDGE PAINT 2021-1 VARIOUS 71 10

CONTRACT NO. 78836



# TYPICAL BRIDGE STAGE I CONSTRUCTION SHOWING EB LANES WB LANES SIMILAR BY 180° ROTATION

(LOOKING NORTH)



TYPICAL BRIDGE

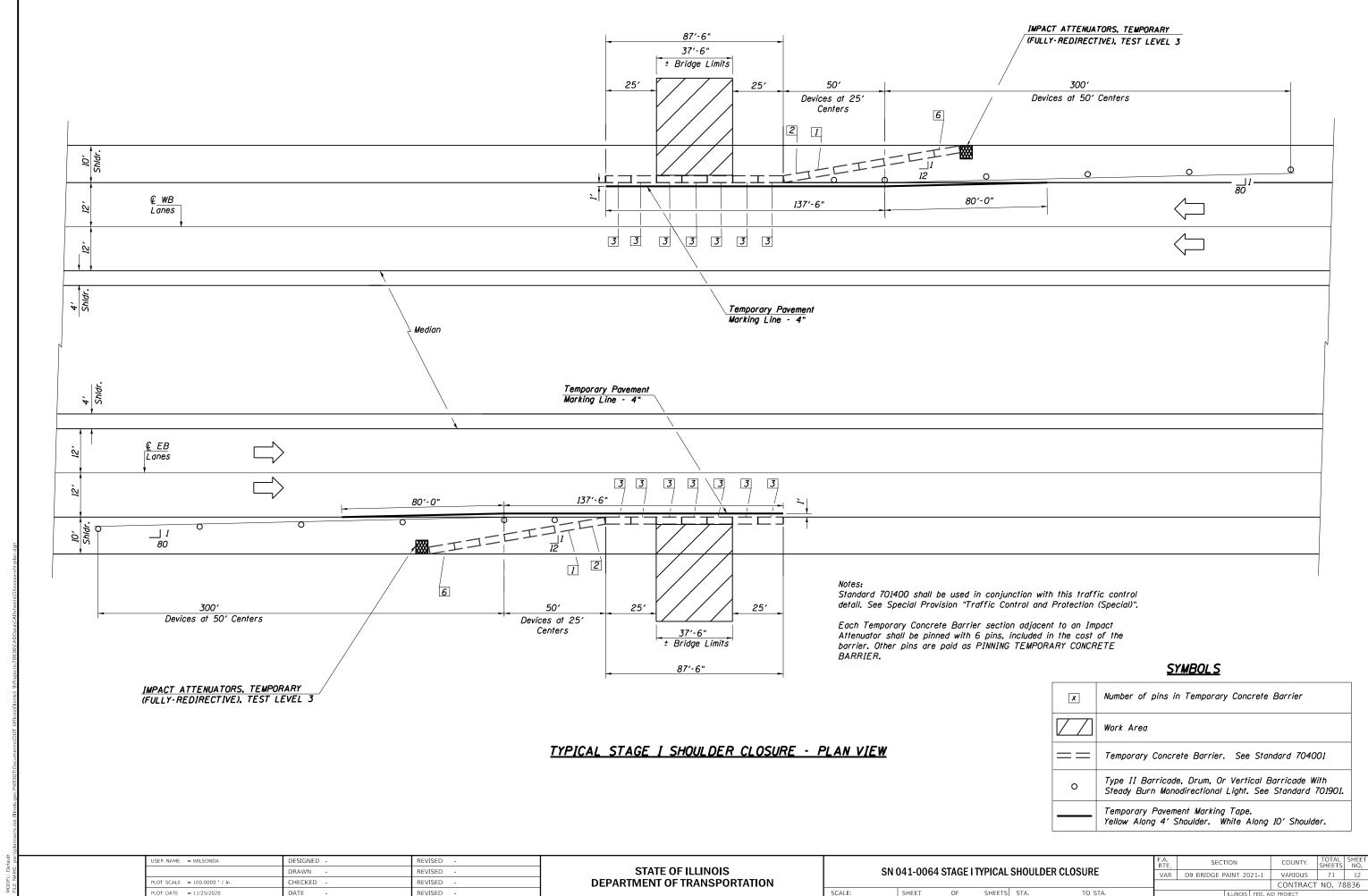
STAGE II CONSTRUCTION

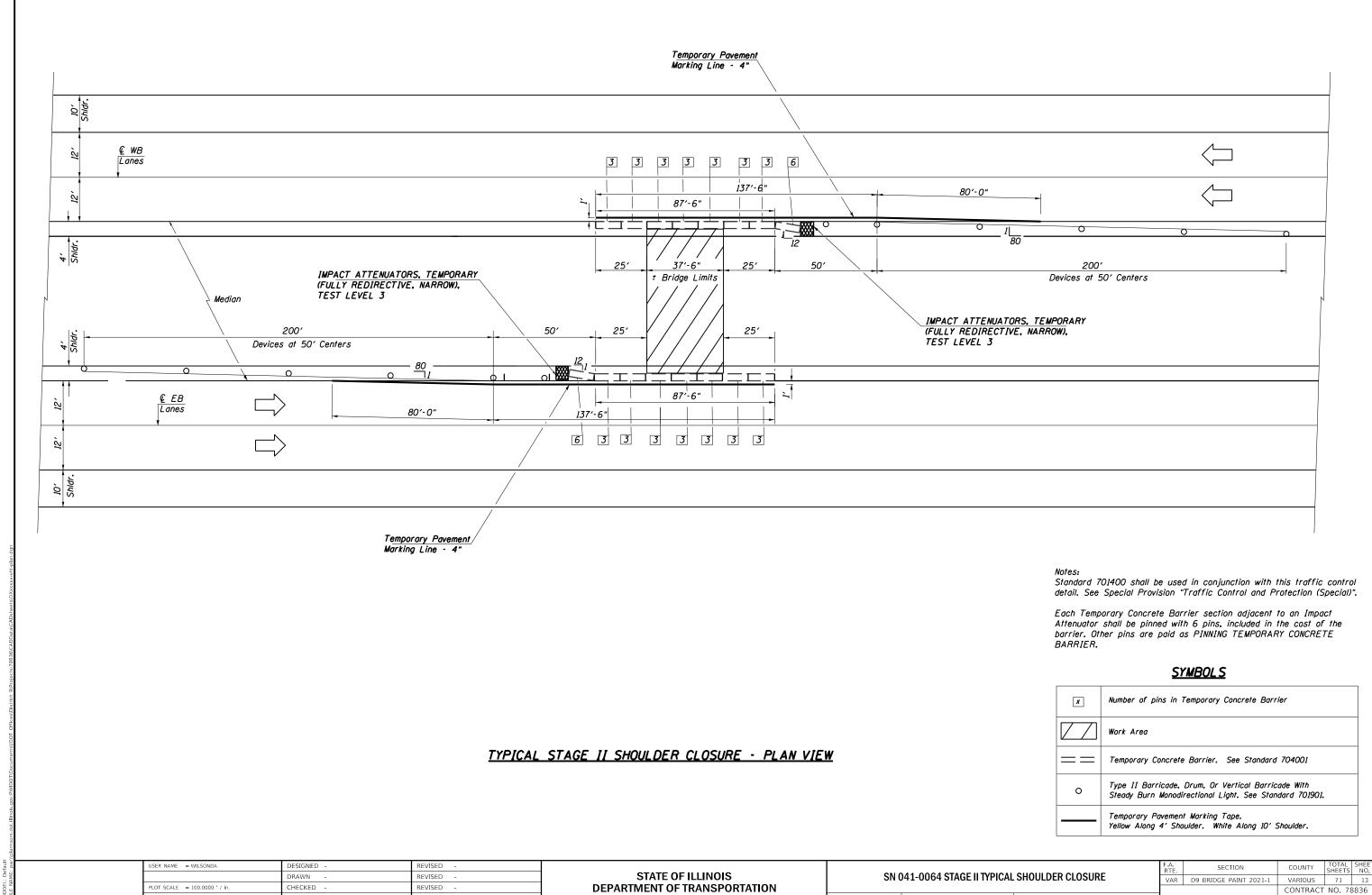
SHOWING EB LANES

WB LANES SIMILAR BY 180° ROTATION

(LOOKING NORTH)

														1
USER NAME = WILSONDA	DESIGNED -	REVISED -								F.A.	SECTION	COUNTY	TOTAL SHEET	
	DRAWN -	REVISED -	STATE OF ILLINOIS		SN 041-0	064 STA	GE CONST	KUCHUN L		VAR	D9 BRIDGE PAINT 2021-1	VARIOUS	71 11	1
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRAC	T NO. 78836	1
PLOT DATE = 11/25/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		1

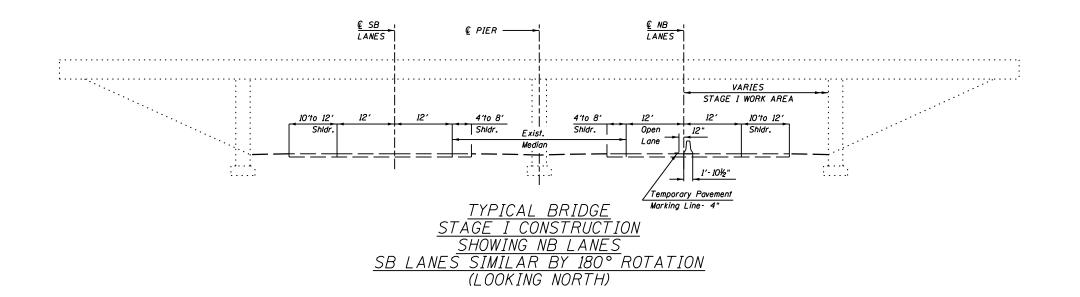


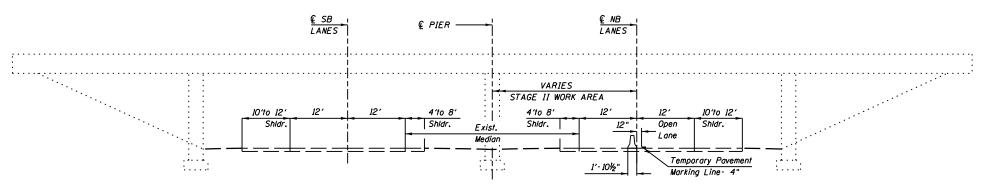


OF SHEETS STA.

PLOT DATE = 11/25/2020

DATE





TYPICAL BRIDGE

STAGE II CONSTRUCTION

SHOWING NB LANES

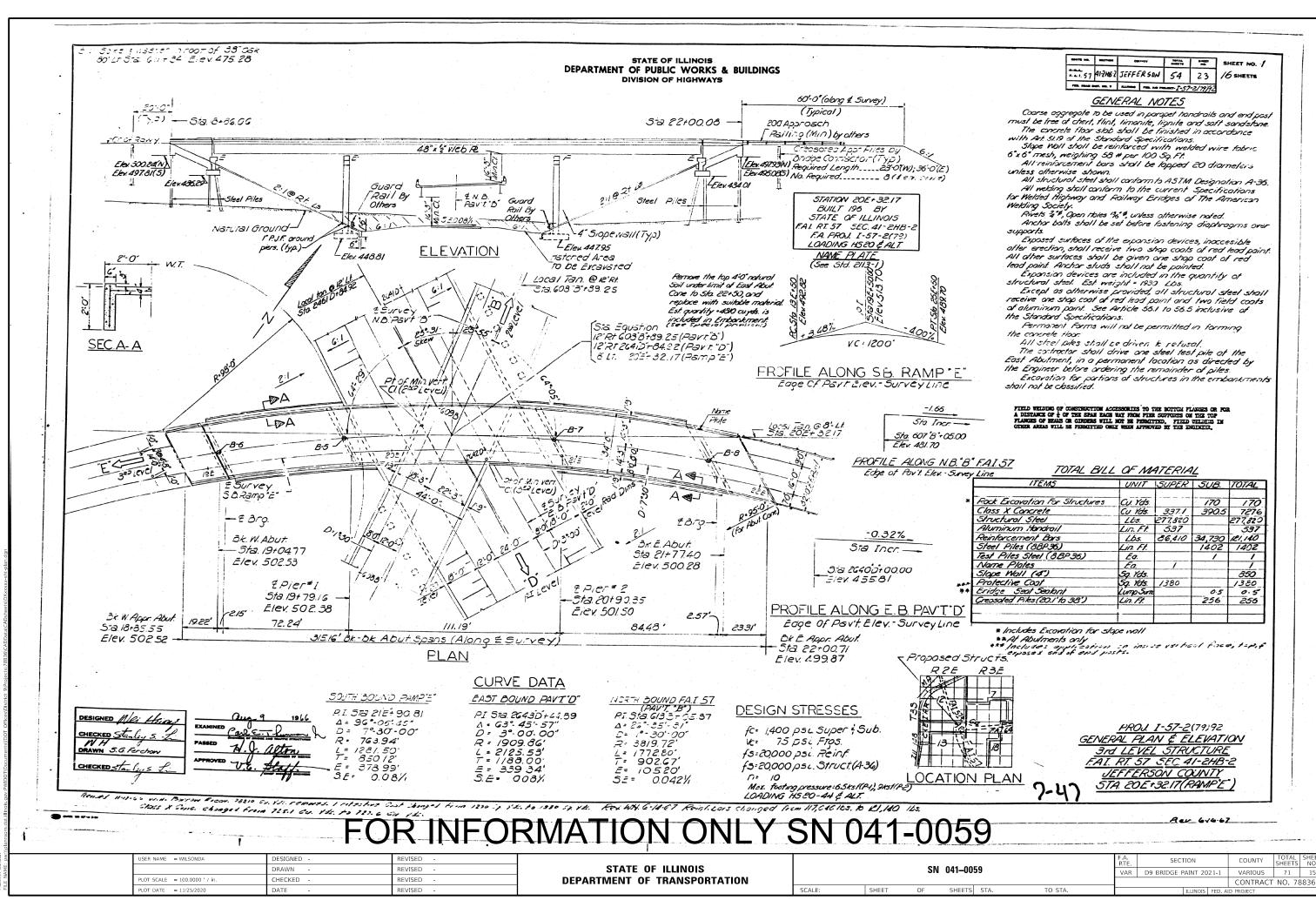
SB LANES SIMILAR BY 180° ROTATION

(LOOKING NORTH)

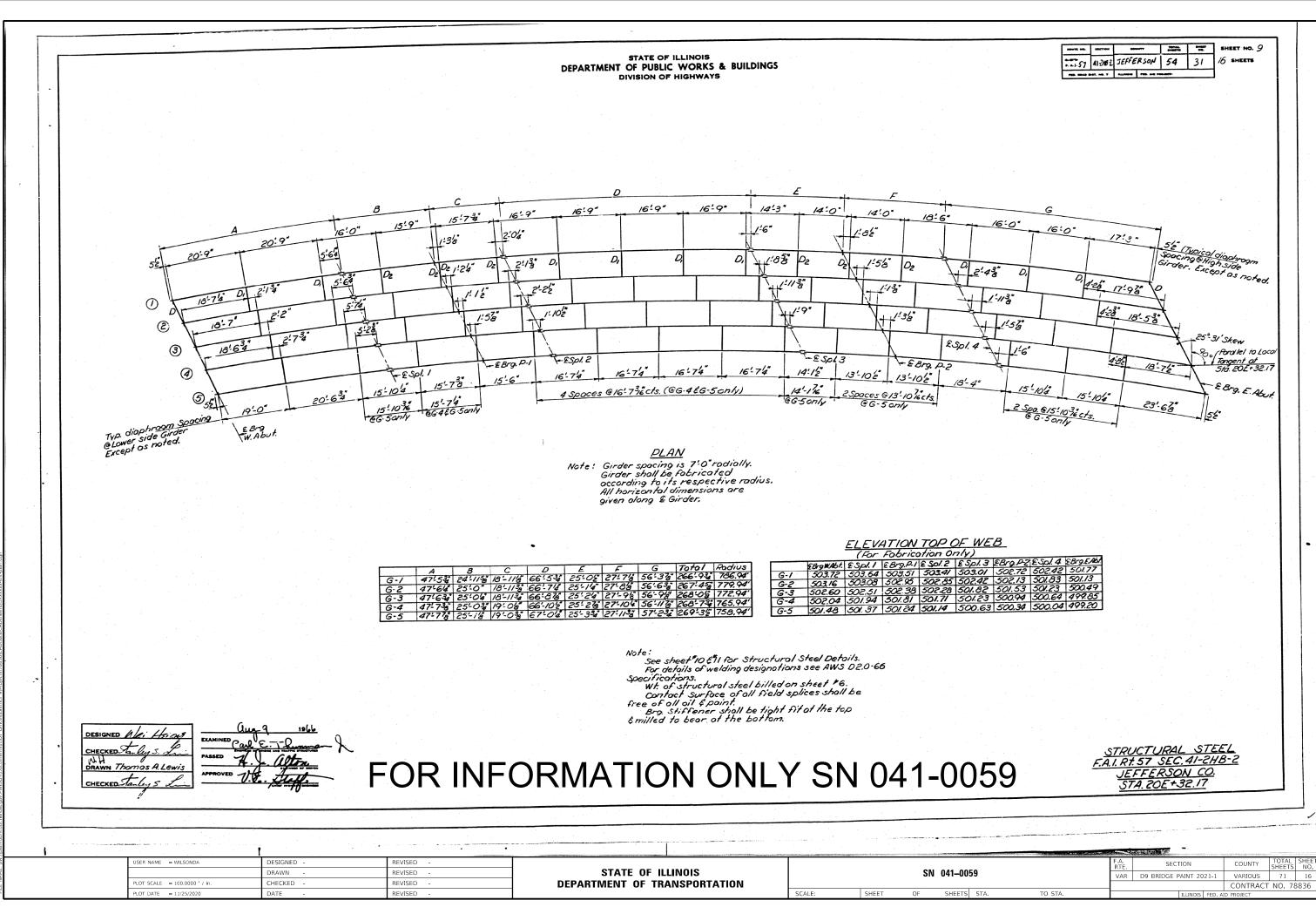
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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/25/2020	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

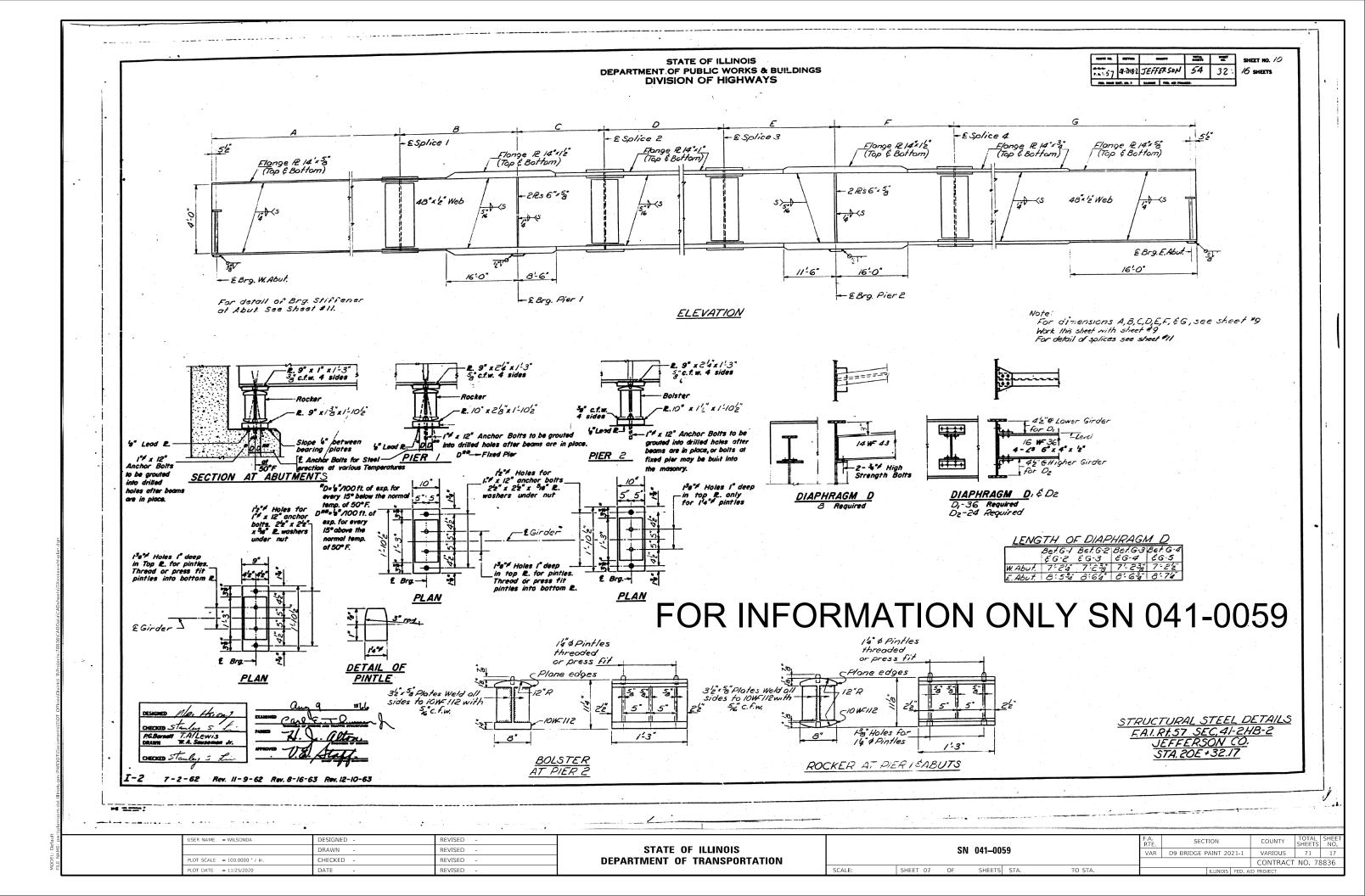
011 077 000	0.044.00		00040	FA OF OON		F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SN 077-002	8, 044-00	33, 044	-0034 S	IAGE CON	STRUCTION DETAILS	VAR	D9 BRIDGE PAINT 2021-	-1 VARIOUS	71	14
								CONTRACT	NO. 78	3836
CALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FE	D. AID PROJECT		

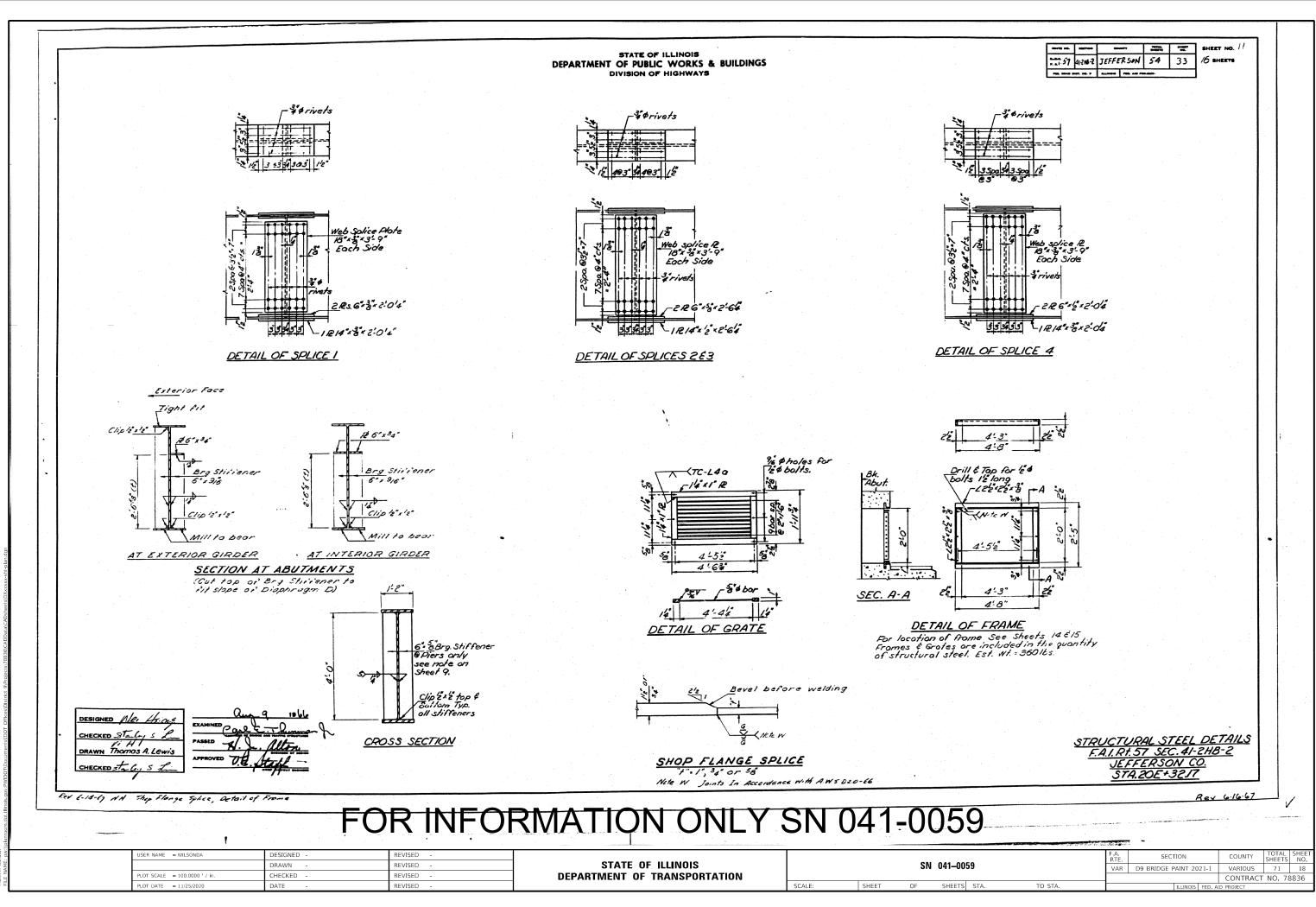


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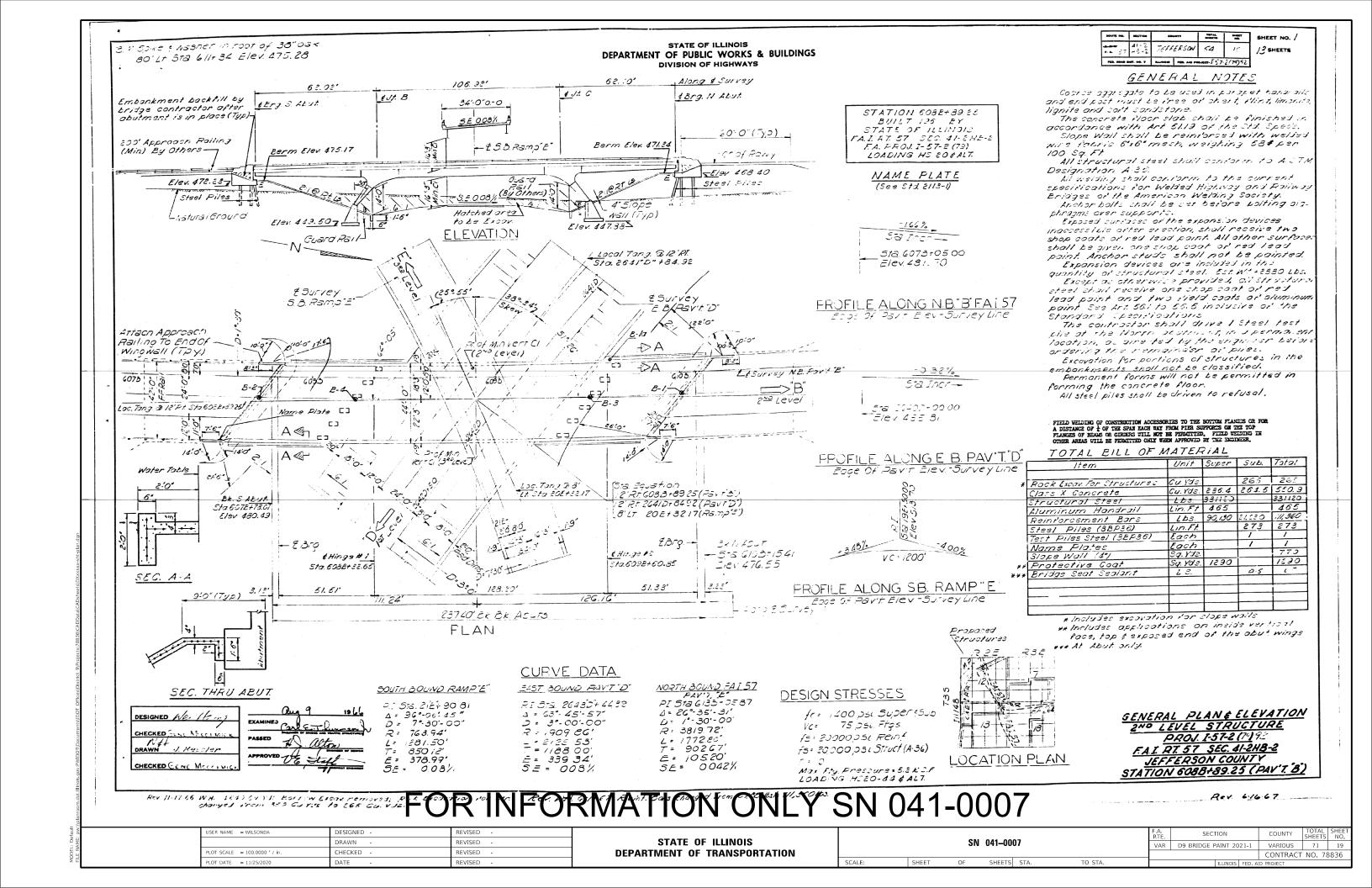


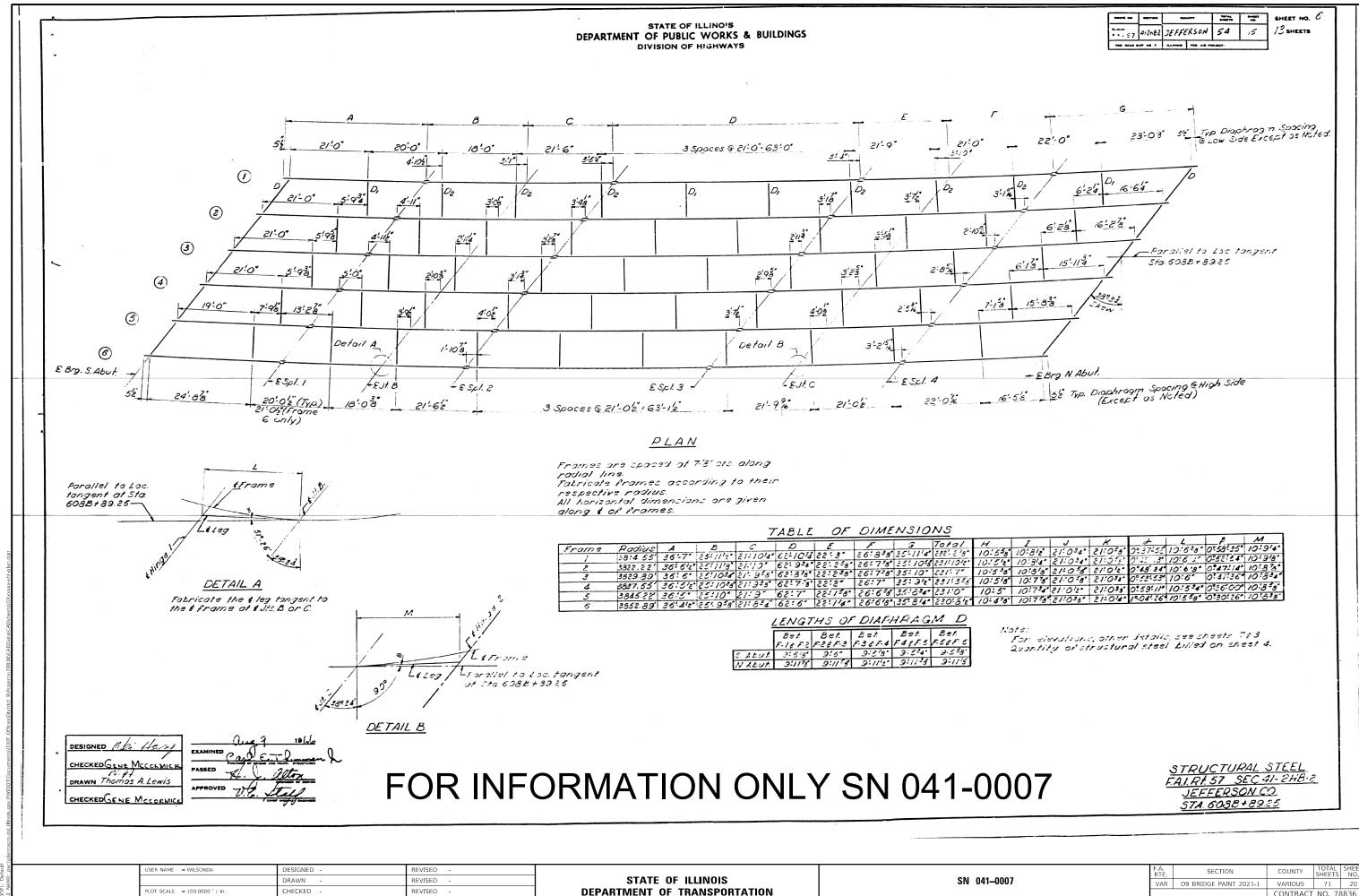
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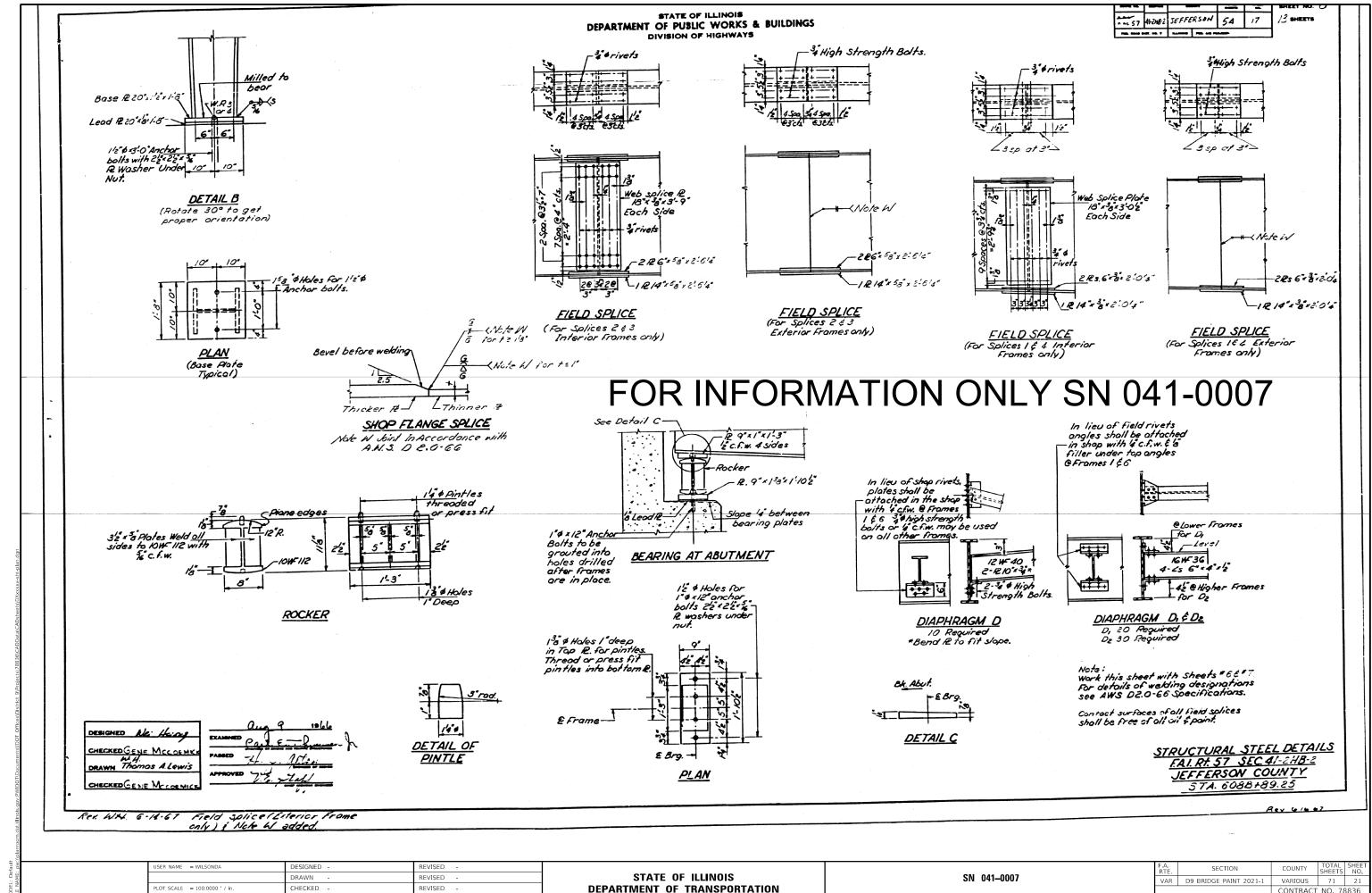
MODEL - Default





DATE

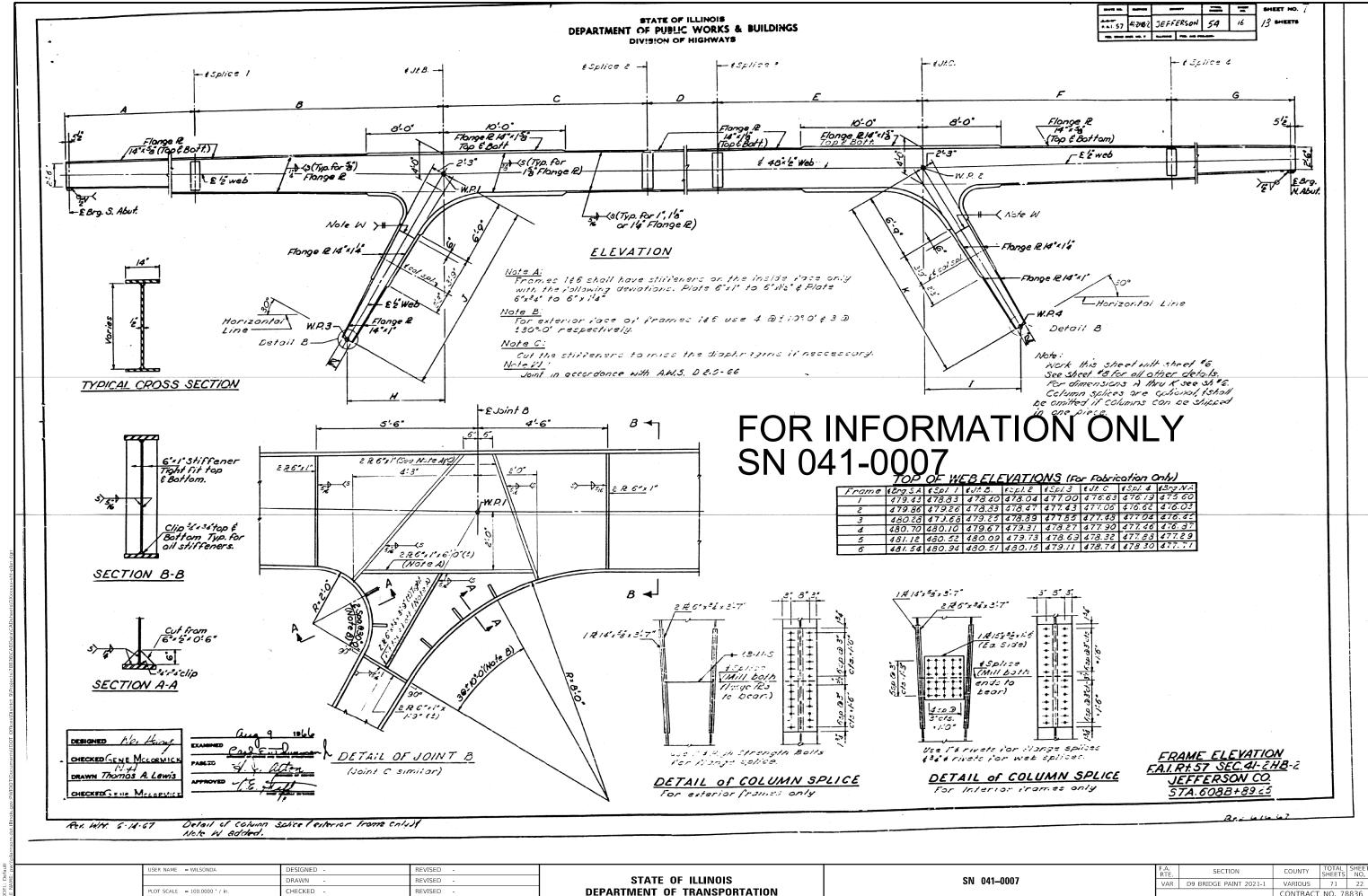
**DEPARTMENT OF TRANSPORTATION** 



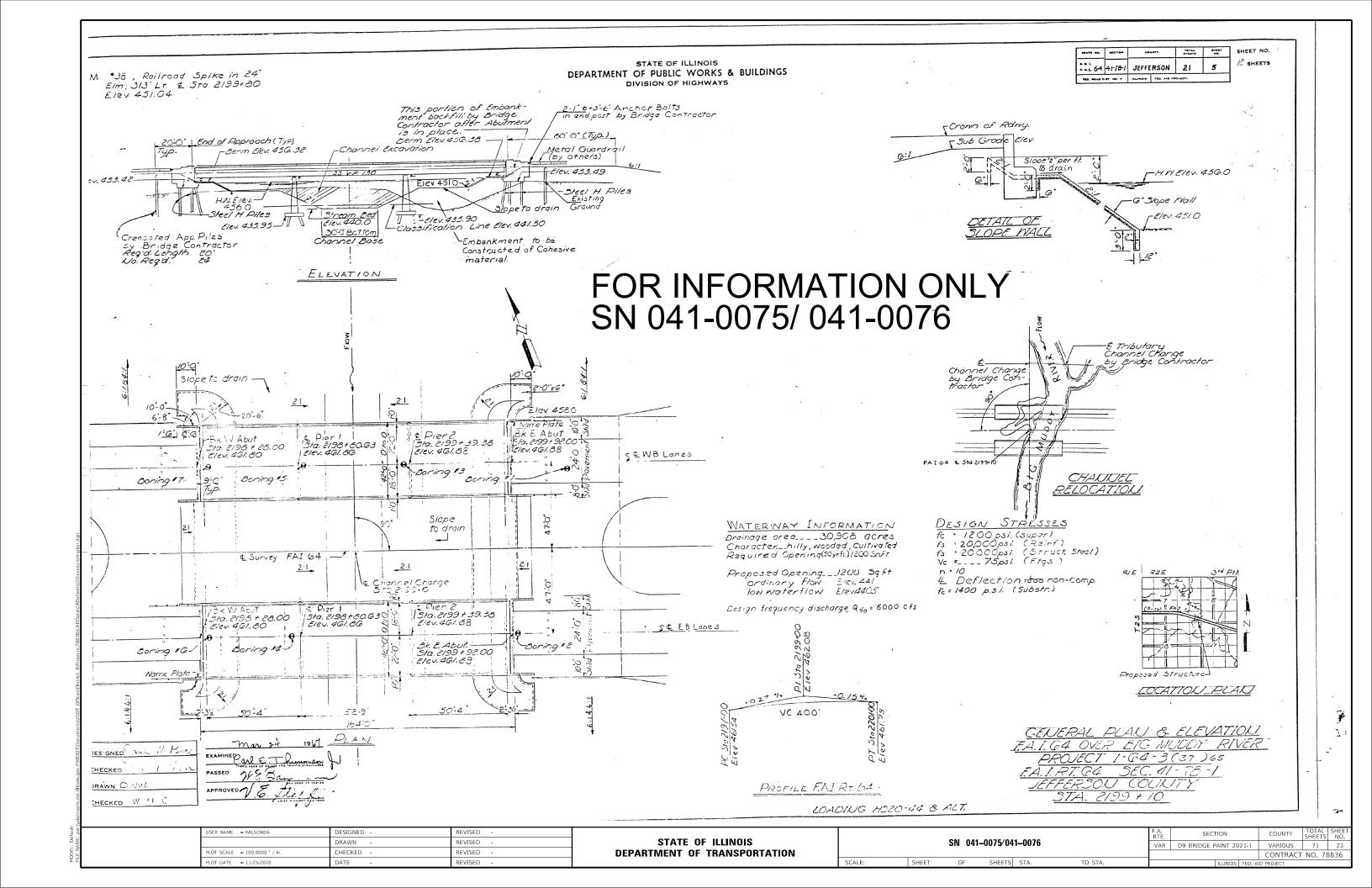
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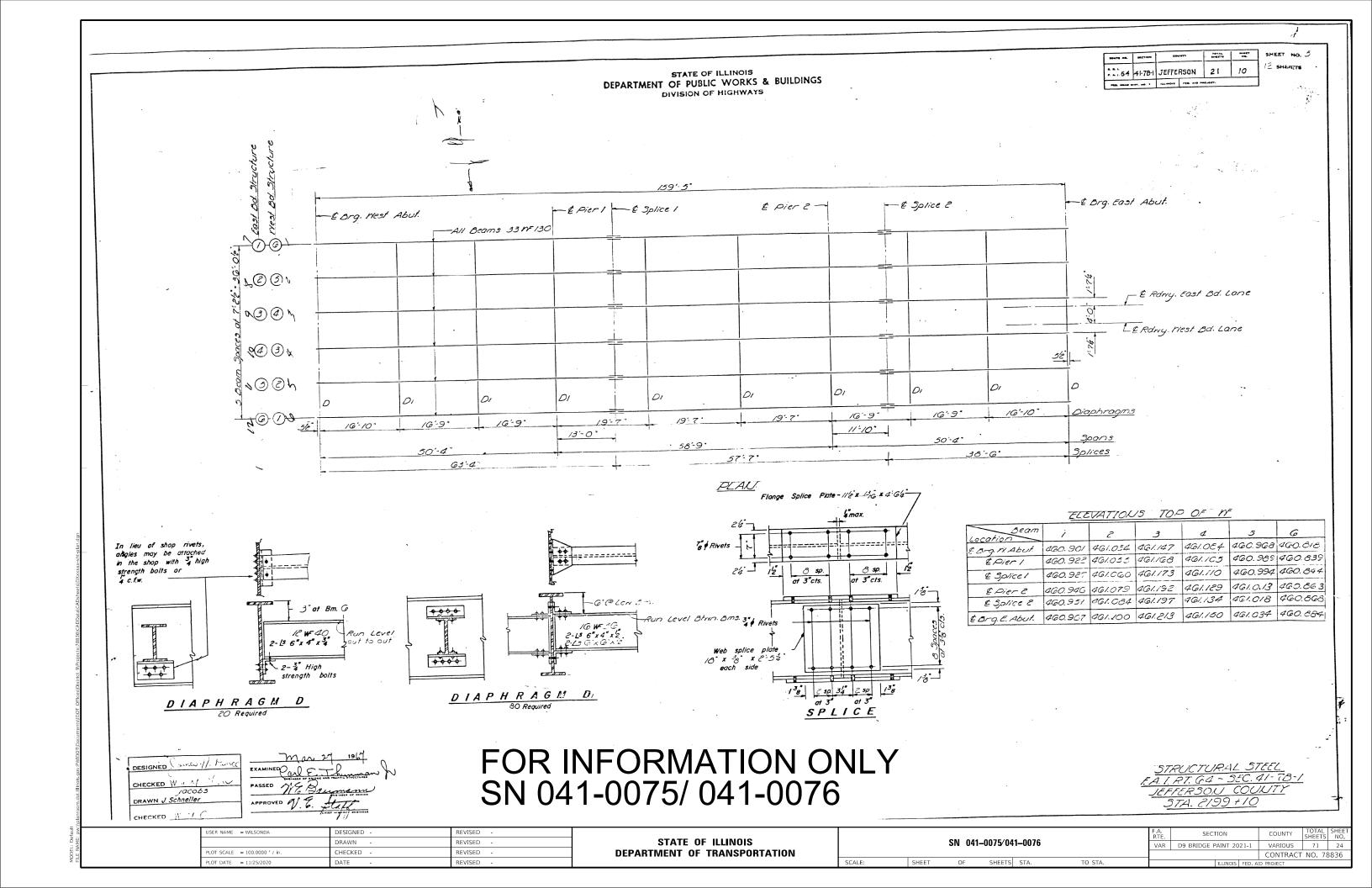
**DEPARTMENT OF TRANSPORTATION** 

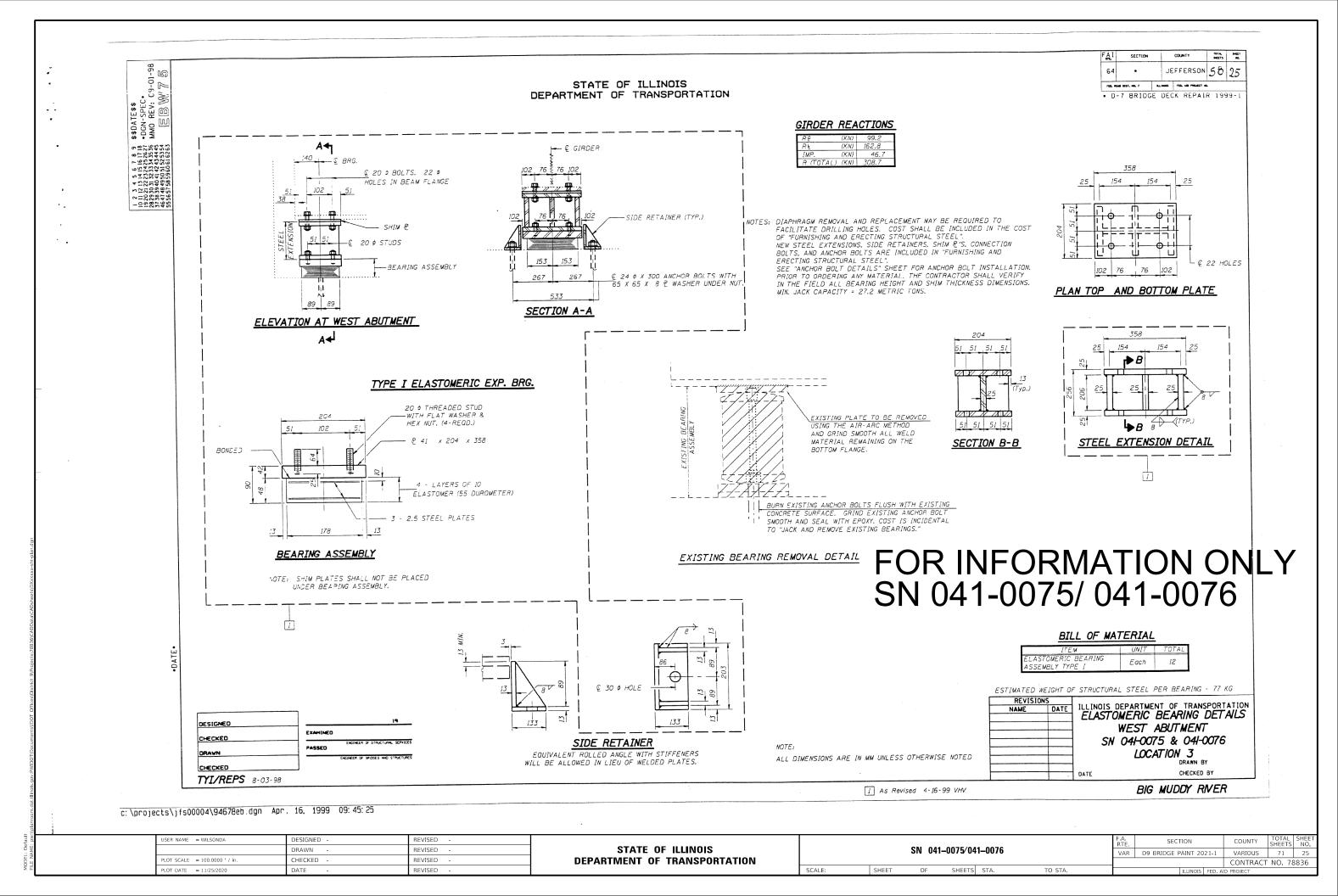
SHEETS STA

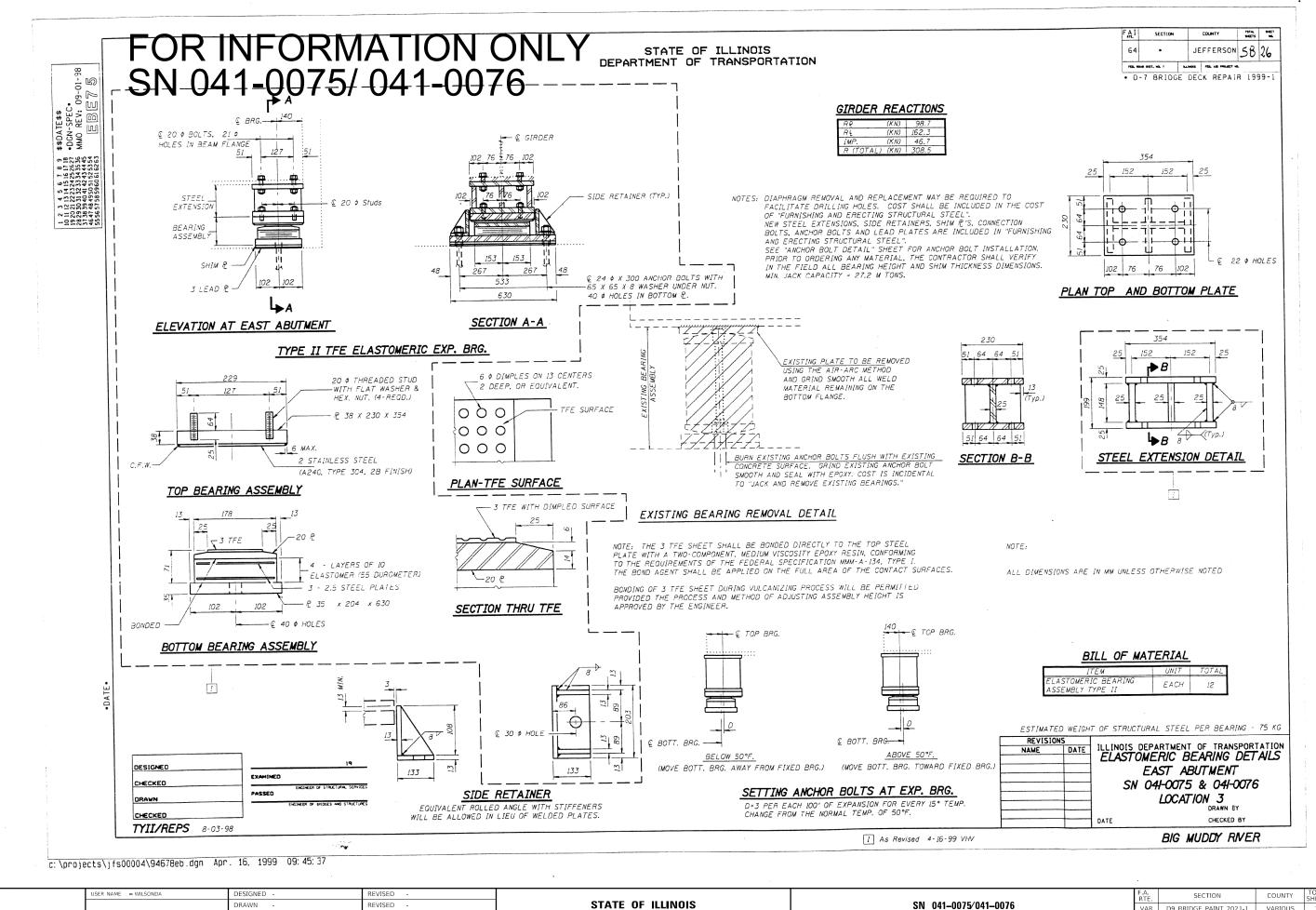


**DEPARTMENT OF TRANSPORTATION** 









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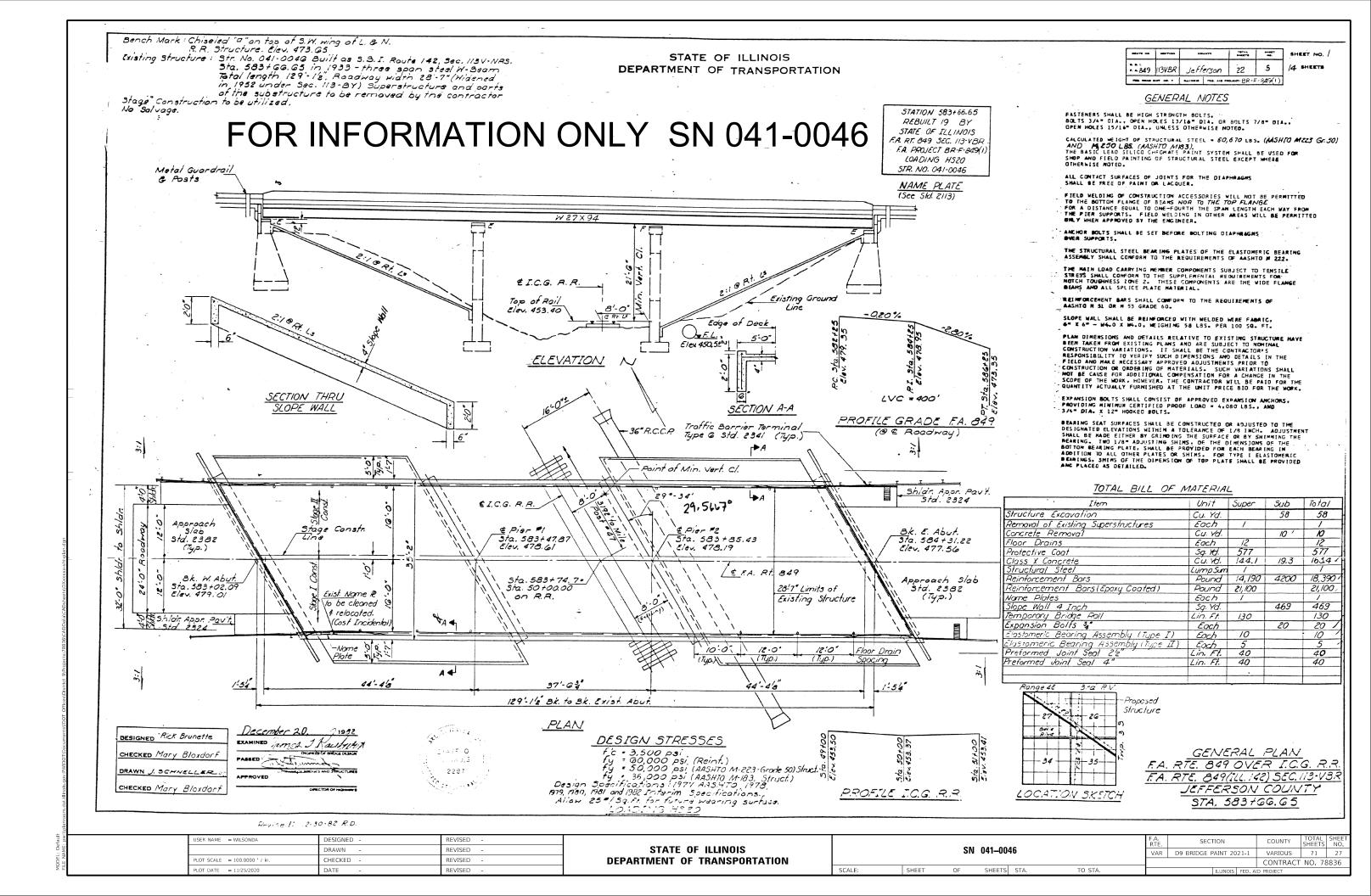
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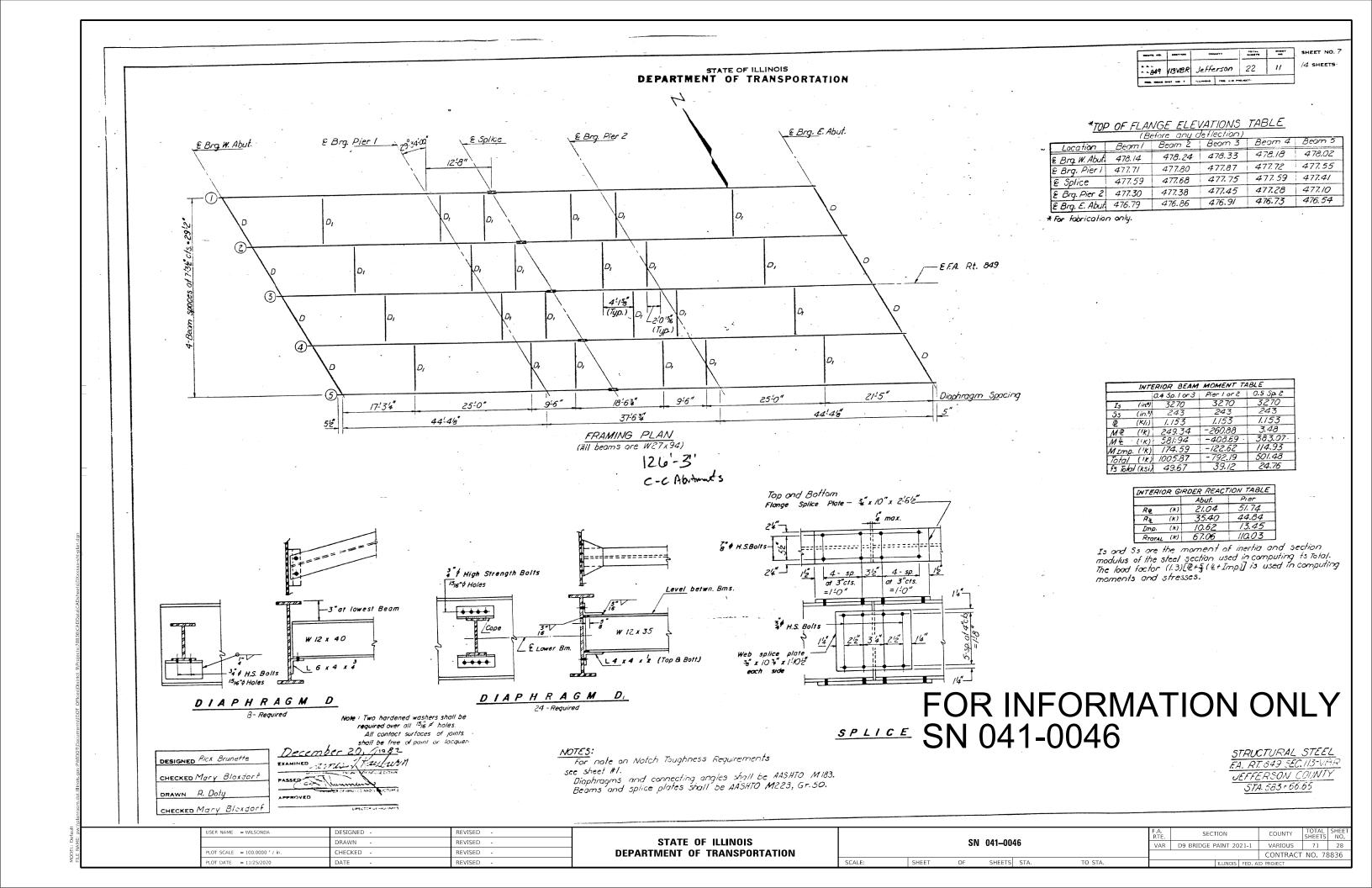
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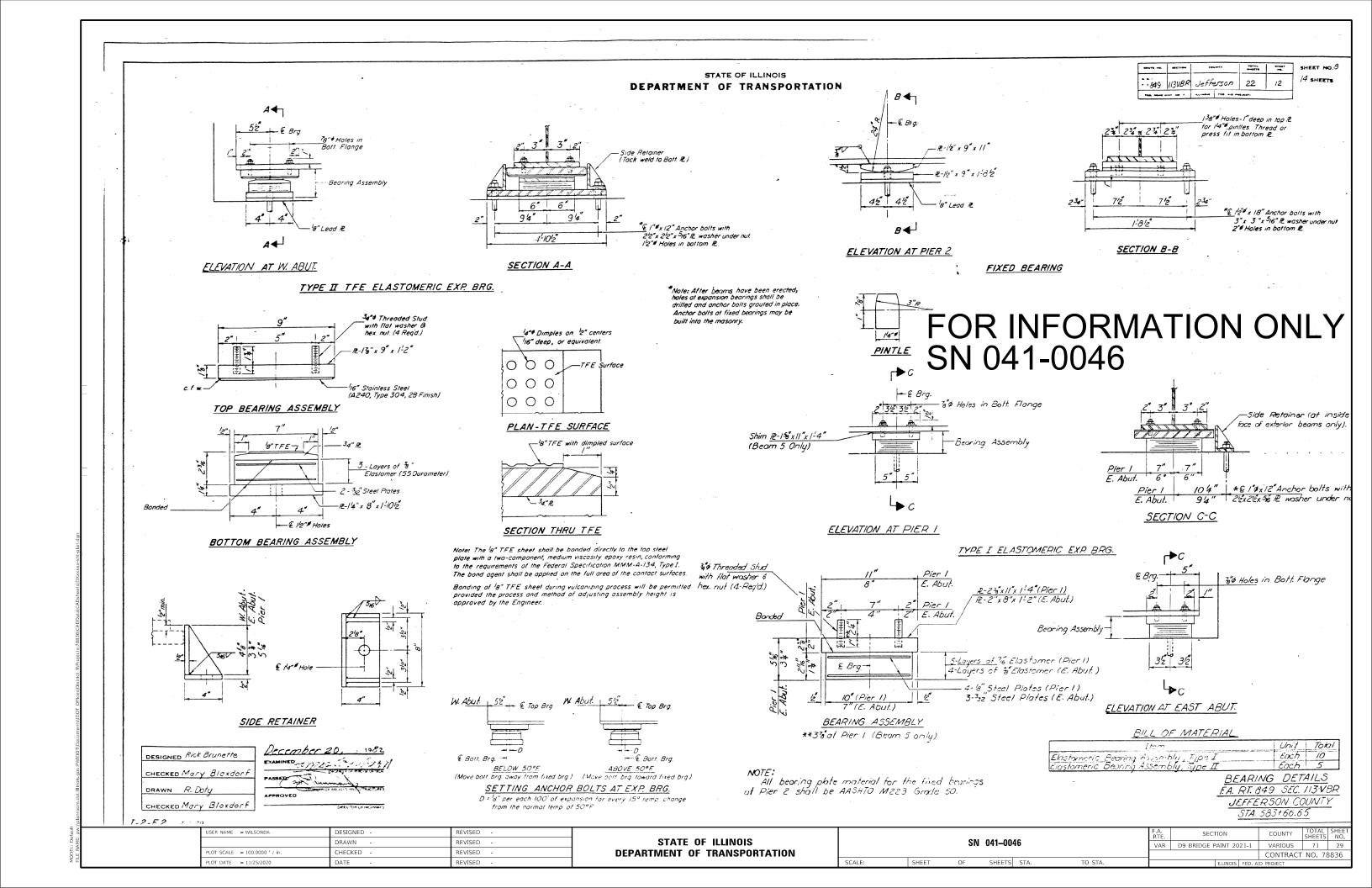
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SN 041-0075/041-0076

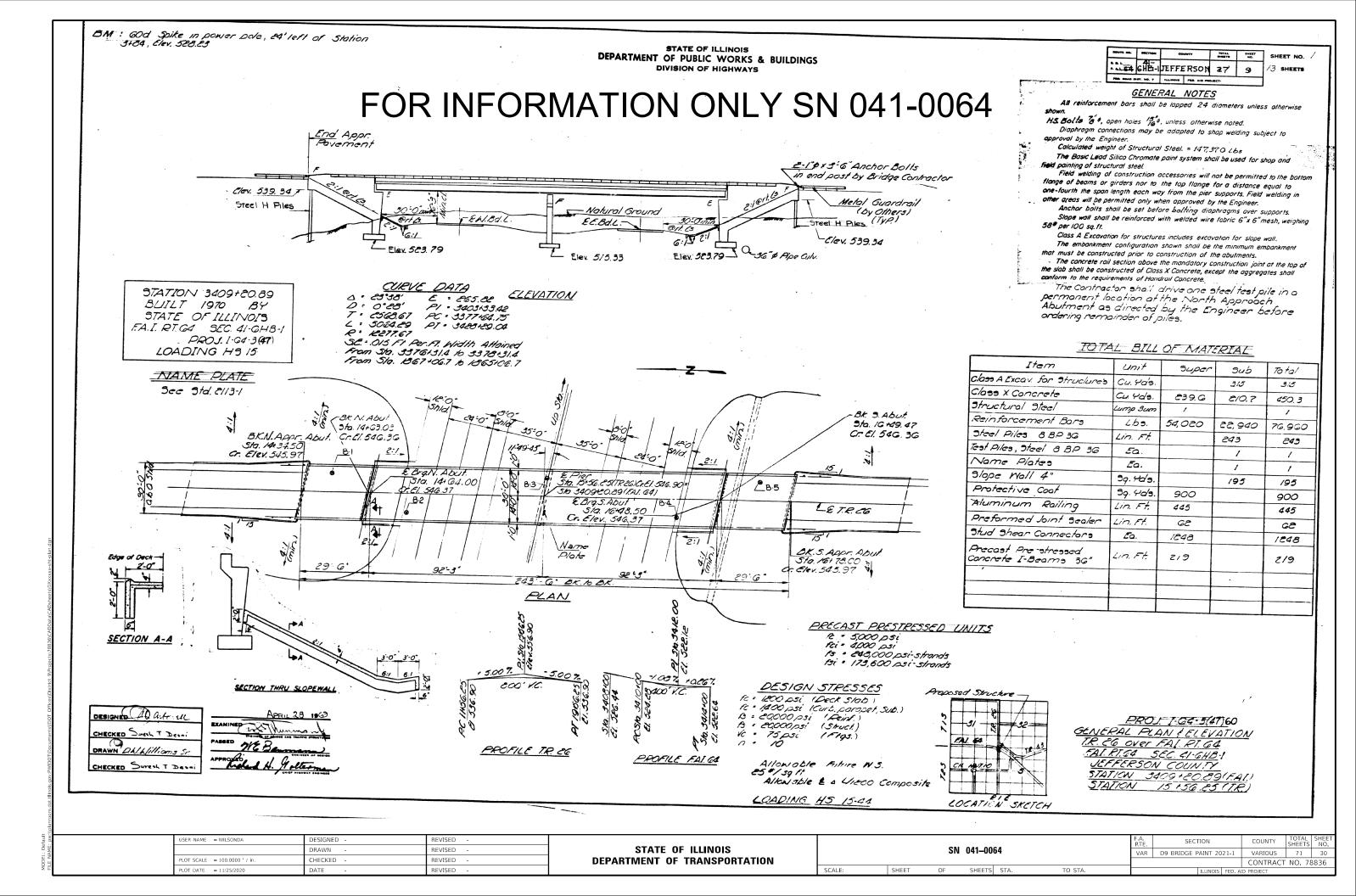
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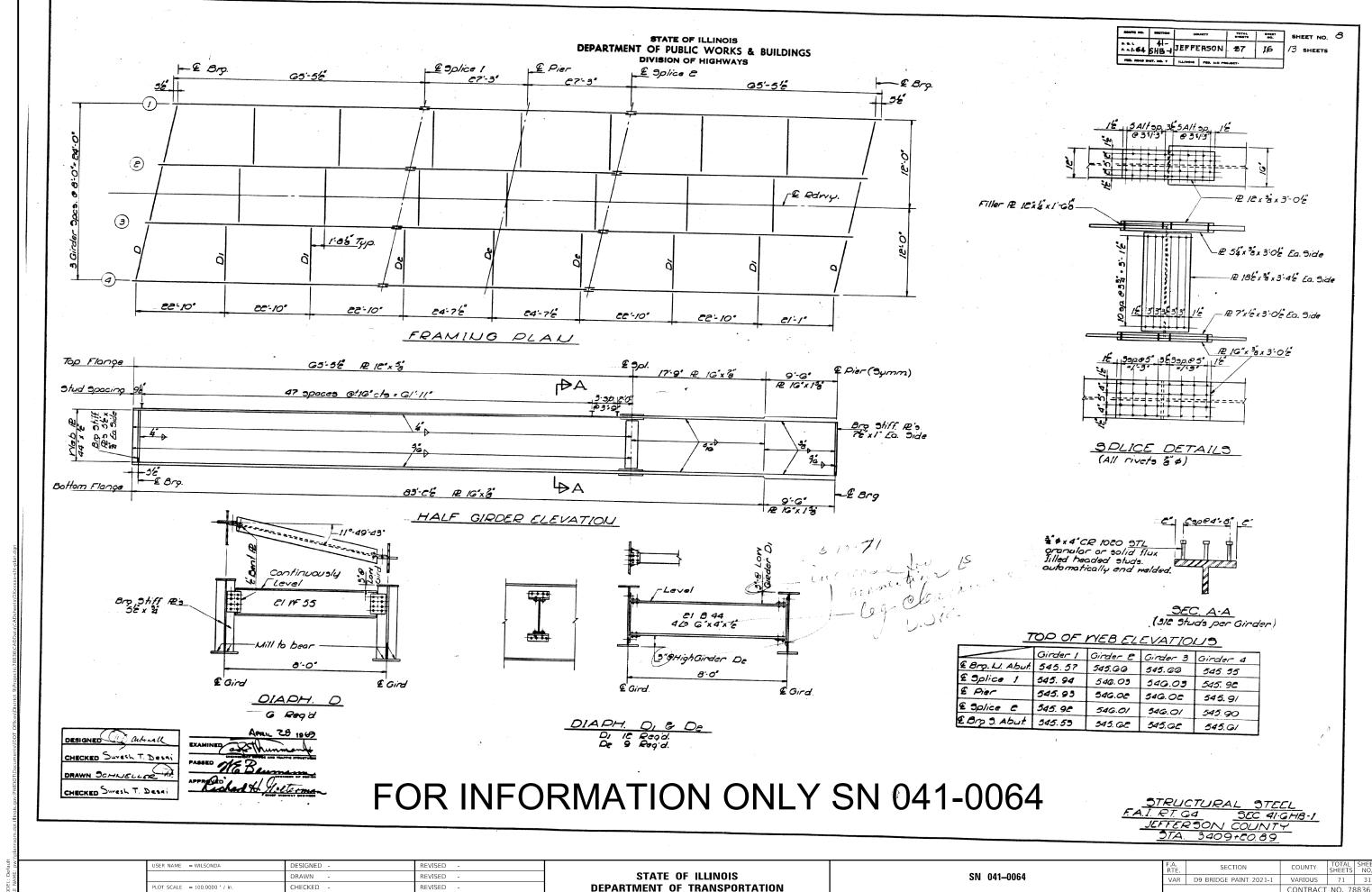
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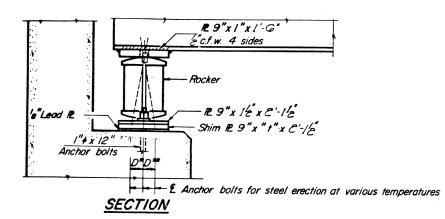


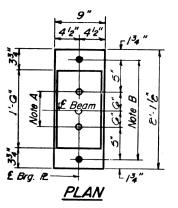








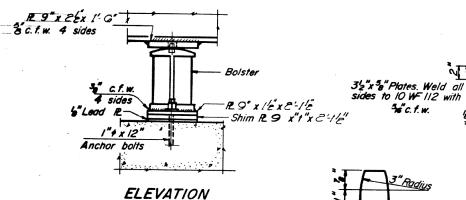


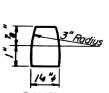


AT ABUTMENT

13 Holes - I" deep in top R for pintles. Thread or press fit pintles into bottom R.

#### STATE OF ILLINOIS **DEPARTMENT OF PUBLIC WORKS & BUILDINGS** DIVISION OF HIGHWAYS





ROCKER

138" Holes for

41- JEFFERSON 27

14"# Pintles

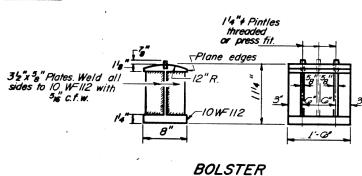
threaded or press fit

SHEET NO. 9

1

/3 SHEETS

PINTLE



1'2" Holes for 1" anchor bolts. 2'2" x 2'2" x 5 6" R. Washers

AT PIER

13" Holes 1" deep in top P. only for 14" pintles.

## NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

a)  $D^*$  (Side of brg. away from fixed brg.)  $D^* = {}^{l}s''$  per each |OO'| of expansion for every 15° fall below the normal temp. of 50°F.

D\*\*(Side of brg. toward fixed brg.) D\*\* = 's" per each 100' of expansion for every 15° rise above the normal temp. of 50°F.

b) After beams have been erected and dimensions D\*or D\*\*\* determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

# FOR INFORMATION ONLY SN 041-0064

BEARING ASSEMBLY DETAILS

## SHILL PLATES!

	Girder 1	Girder C	Girder 3	Girder 4
Worth Abut.	4"	0	0	0
Pier	4"	0	0	0
South Abut.	0	0	0	1"

## PROPERTIES

5/	ee/
1.4	p 13838 in4
I Pic	r 30615 in4
Con	posite Sec.
Ic	36957 in 4
Scr	4090 in 3
200	poe in 3

### TABLE OF MOMENT & SHEARS INT. BEAMS

Momenta-Ft. Kipa					
	4 9 pan	Pier			
D. L.	492.5	1180.4			
5. D. L	£9£.4	375.0			
LL + Imp.	788. <b>8</b>	598./			

Shear - Kips							
	Abut.	Qe 3.	ود 5.	.750.	Pier		
Q.L.	3a.e	ee.0	cac	35.7	56.5		
<b>5</b> .D.L.	14.1	9.8	7.4	15.4	20.0		
LL+Imp.	42.5	39. E	58.7	59.6	41.0		

1. RT.GA SEC. 41-GHB-1 JEFFERSON COUNTY STA. 3409-60, 89

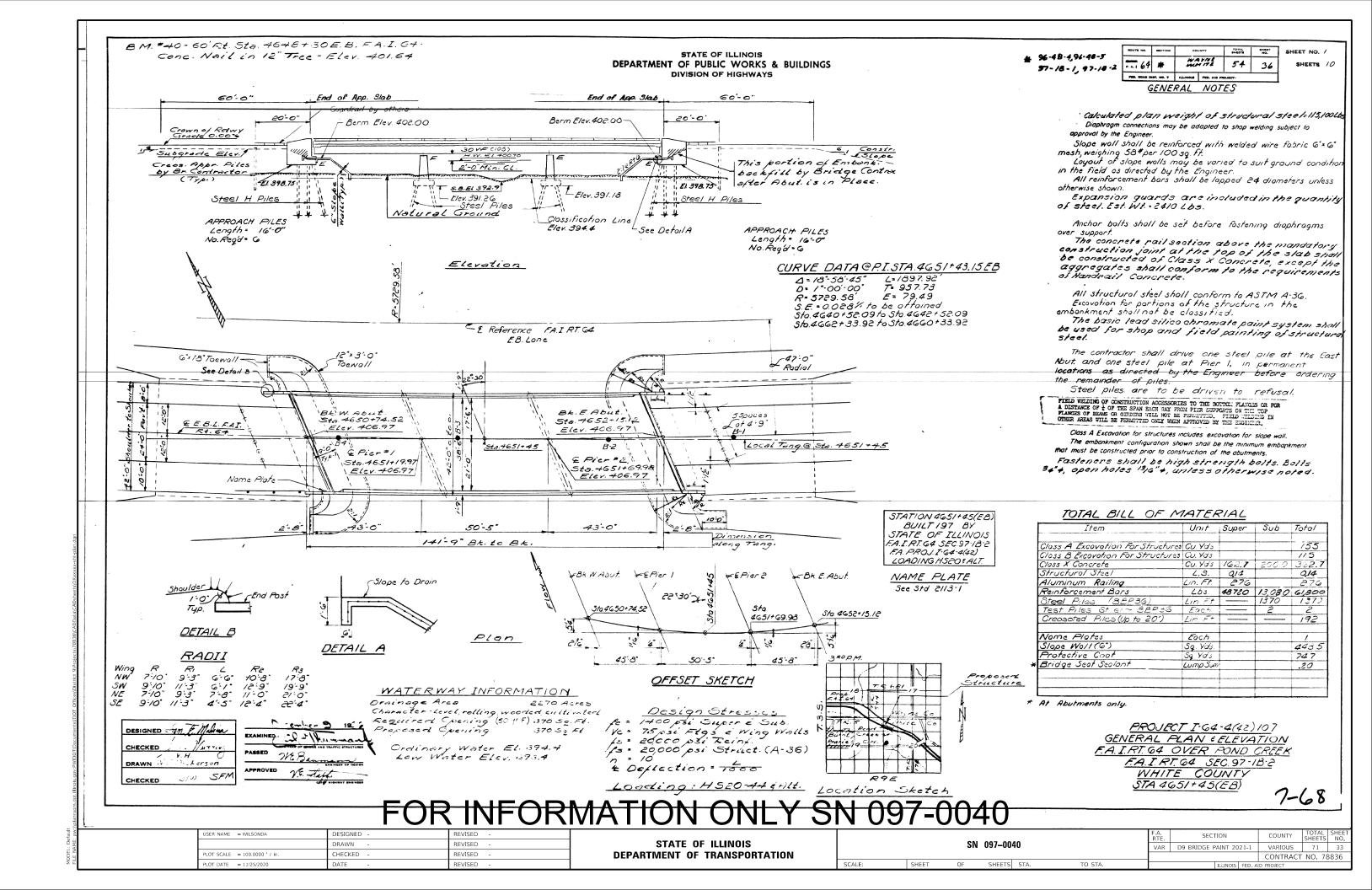
	CHECKED	Suresh T. Deani
<i>I-</i>	2-8	9-1-65

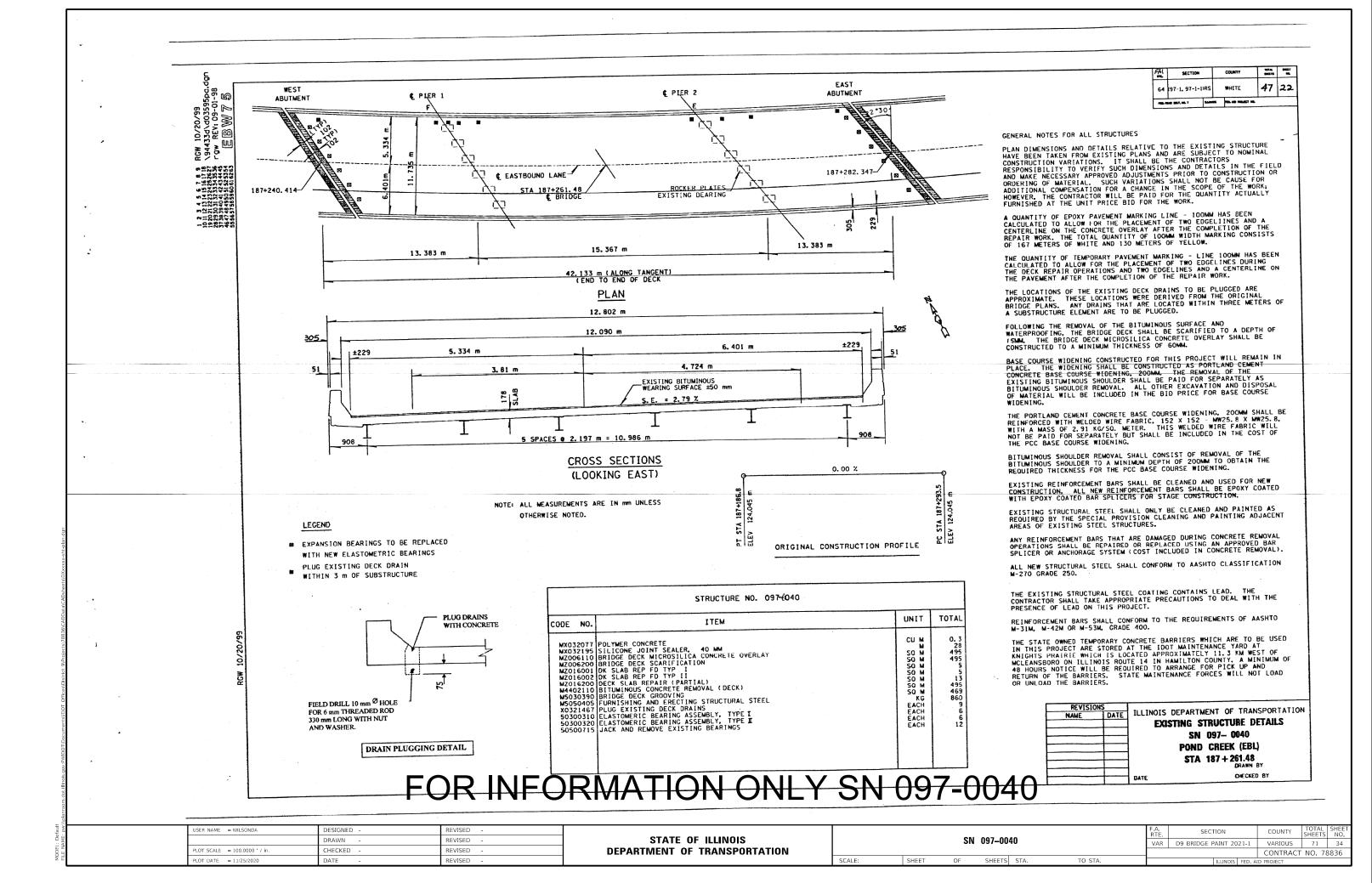
CHECKED SUYERL T DOSAL DRAWN P.G. Barnett

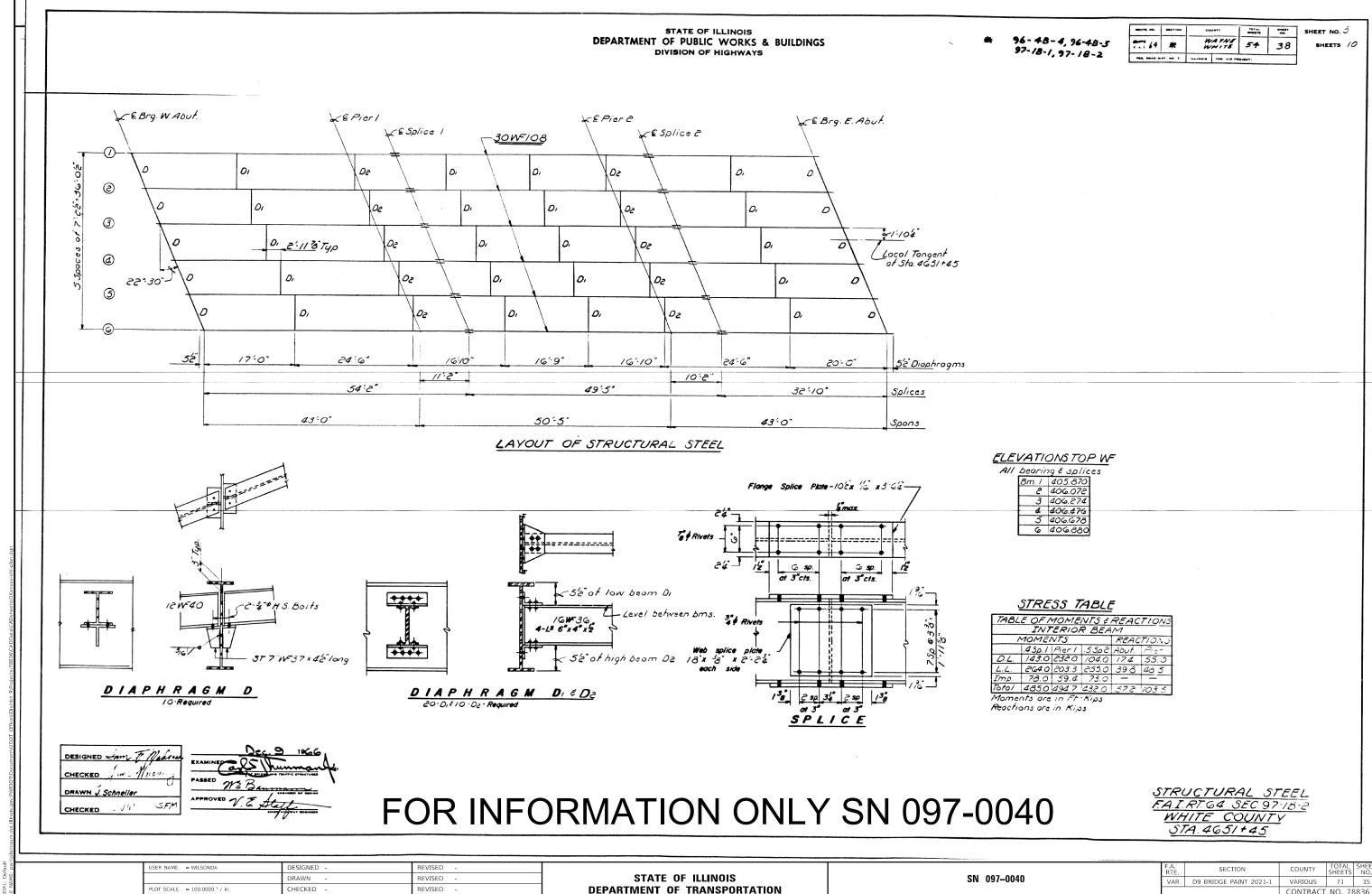
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/25/2020	DATE -	REVISED -

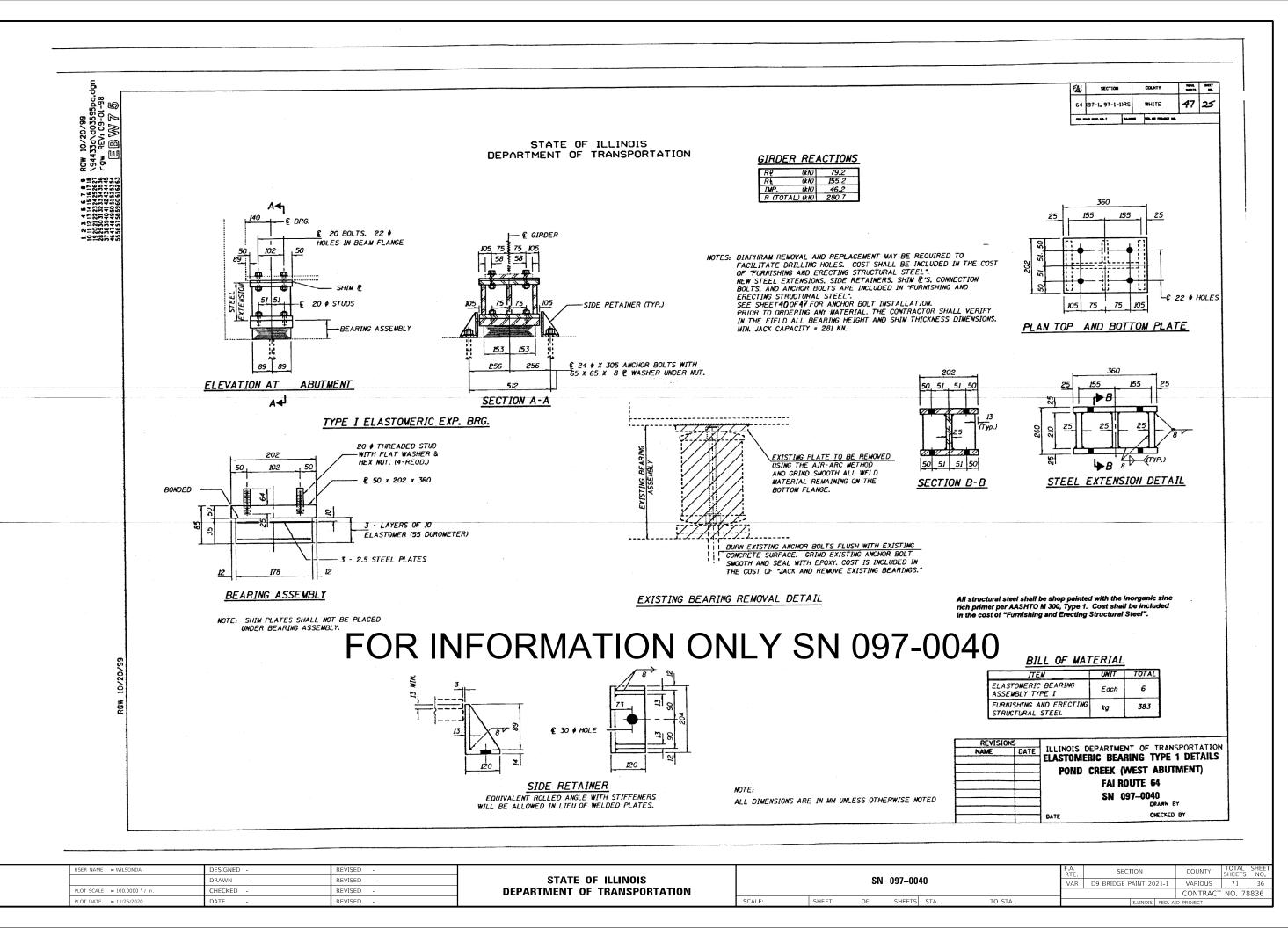
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SN 041-0064					F.A. RTE	F.A. SECTION COUNTY TOTAL S RTE. SECTION COUNTY SHEETS			SHEET NO.	
					VAR	D9 BRIDGE PAINT 2021-	1 VARIOUS	71	32	
						CONTRACT NO. 78836				
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			

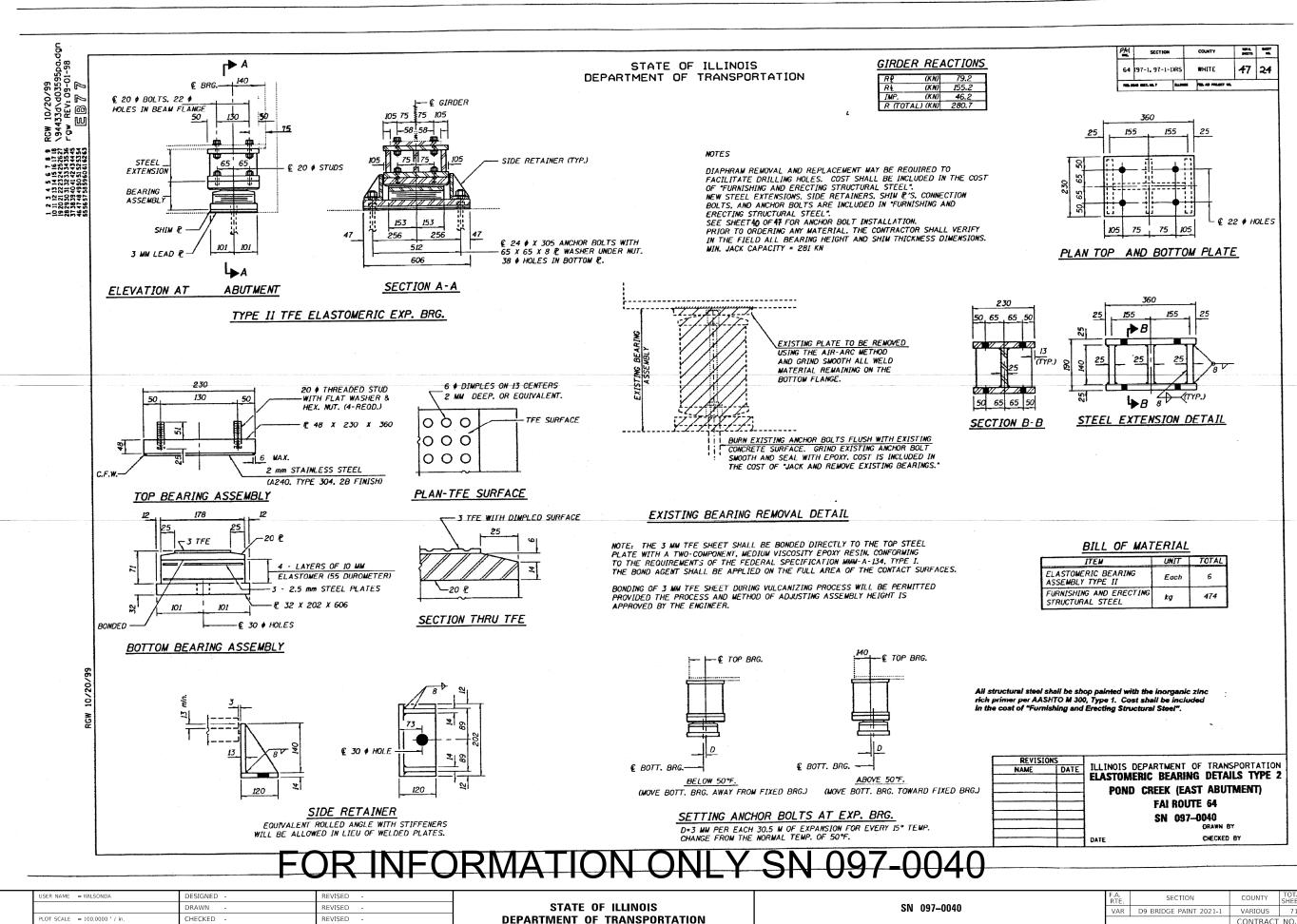








MODEL: Defa

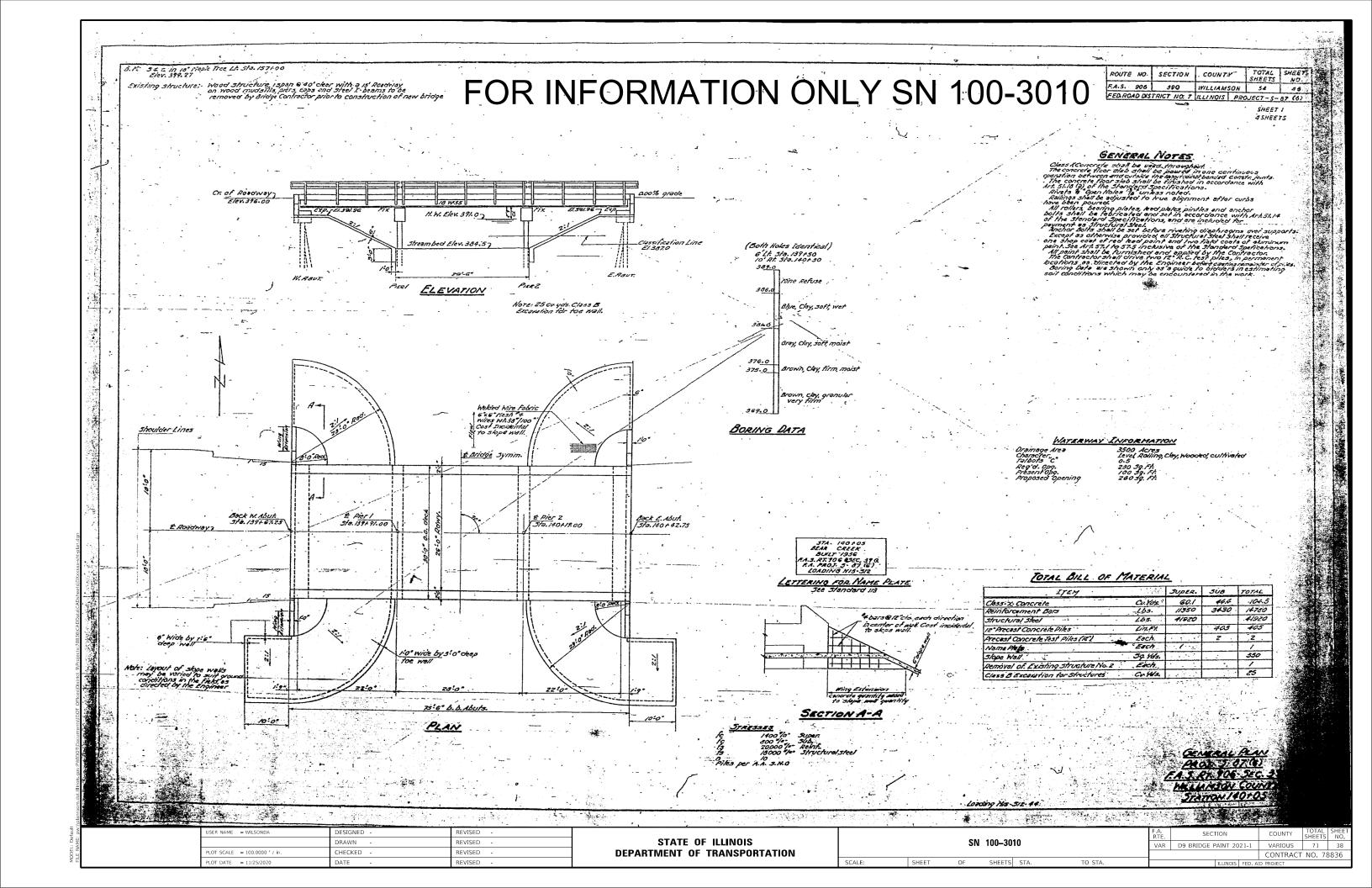


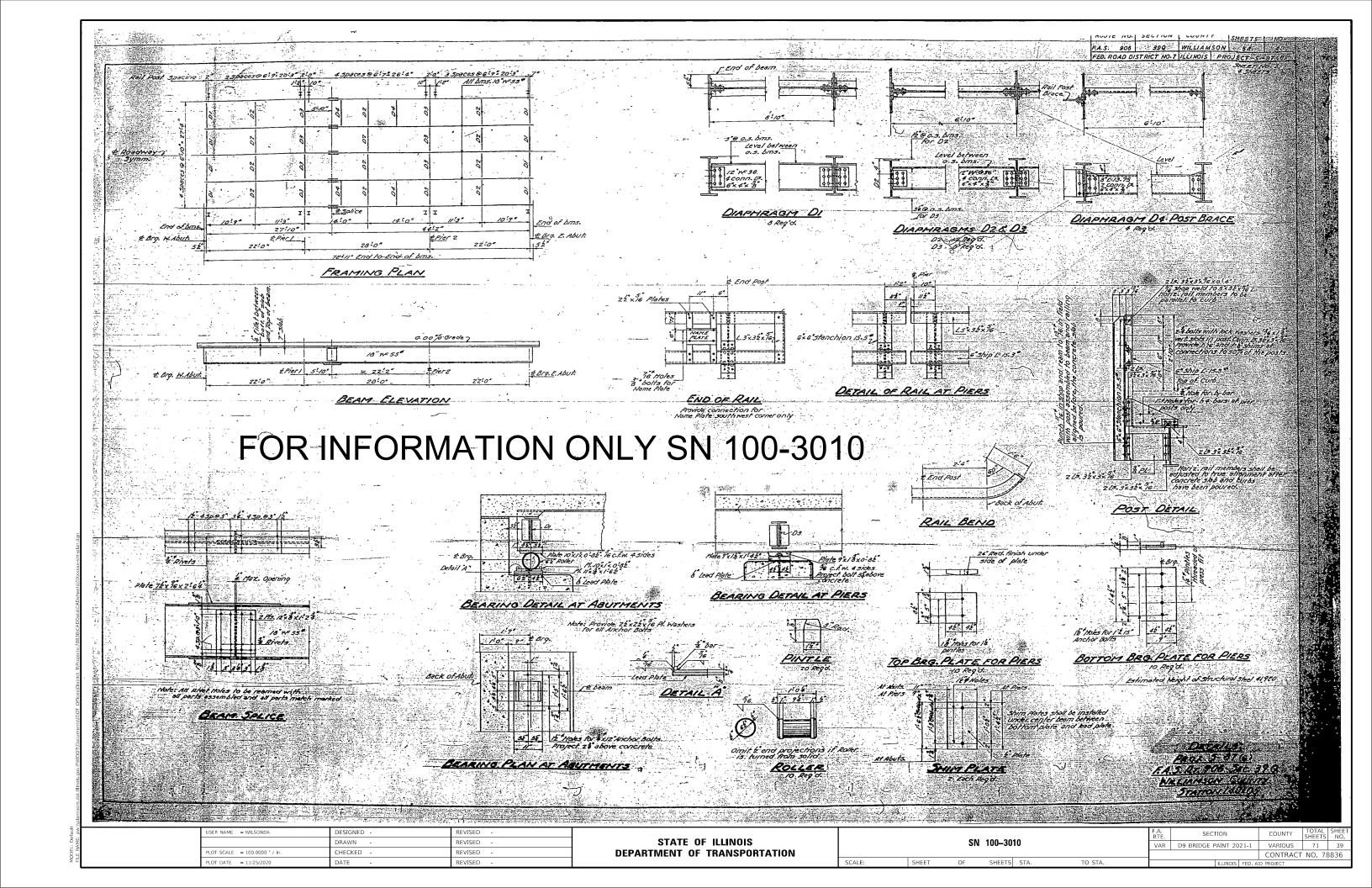
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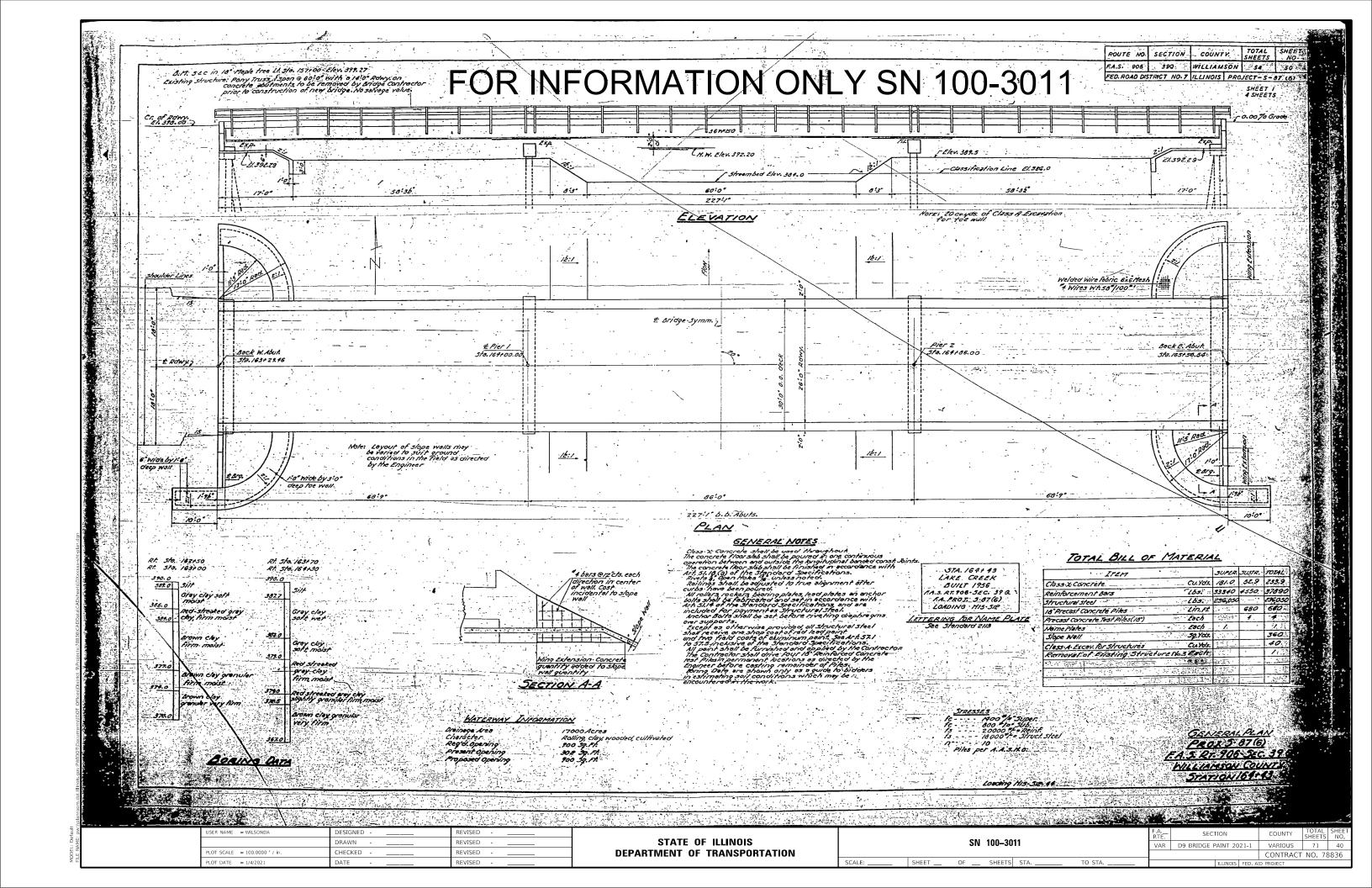
**DEPARTMENT OF TRANSPORTATION** 

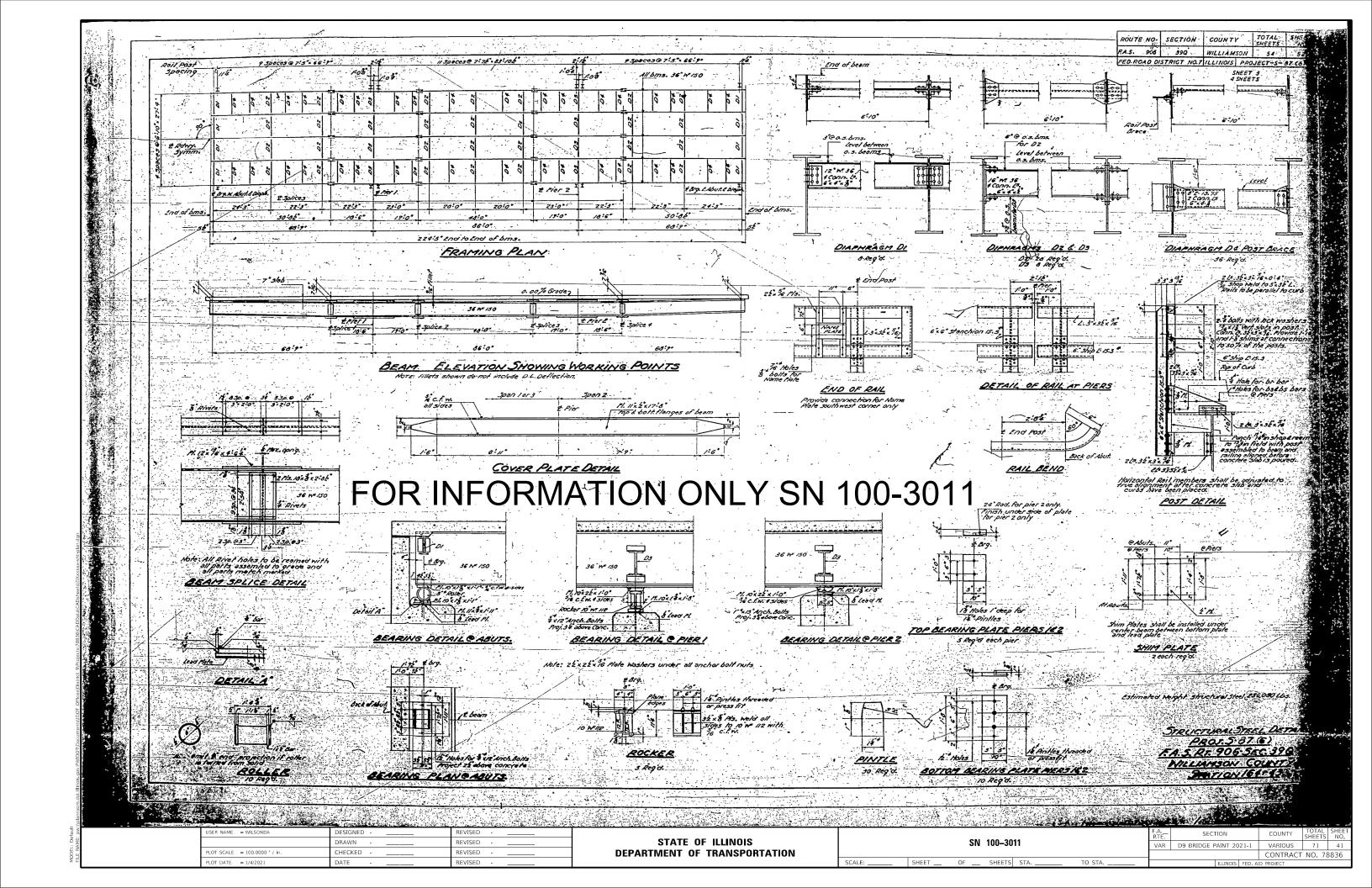
SHEETS STA.

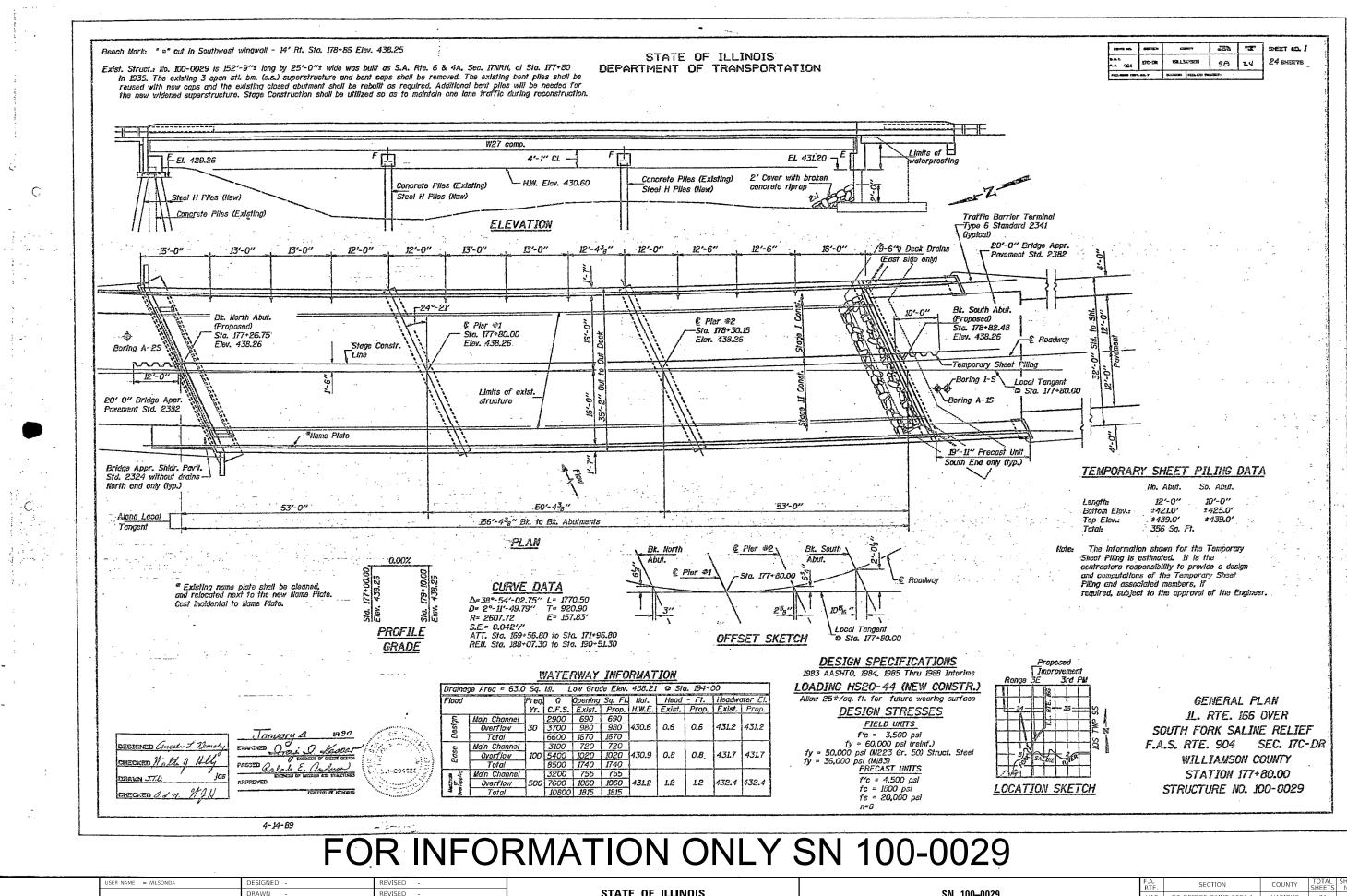
VAR D9 BRIDGE PAINT 2021-1 71 37 CONTRACT NO. 78836







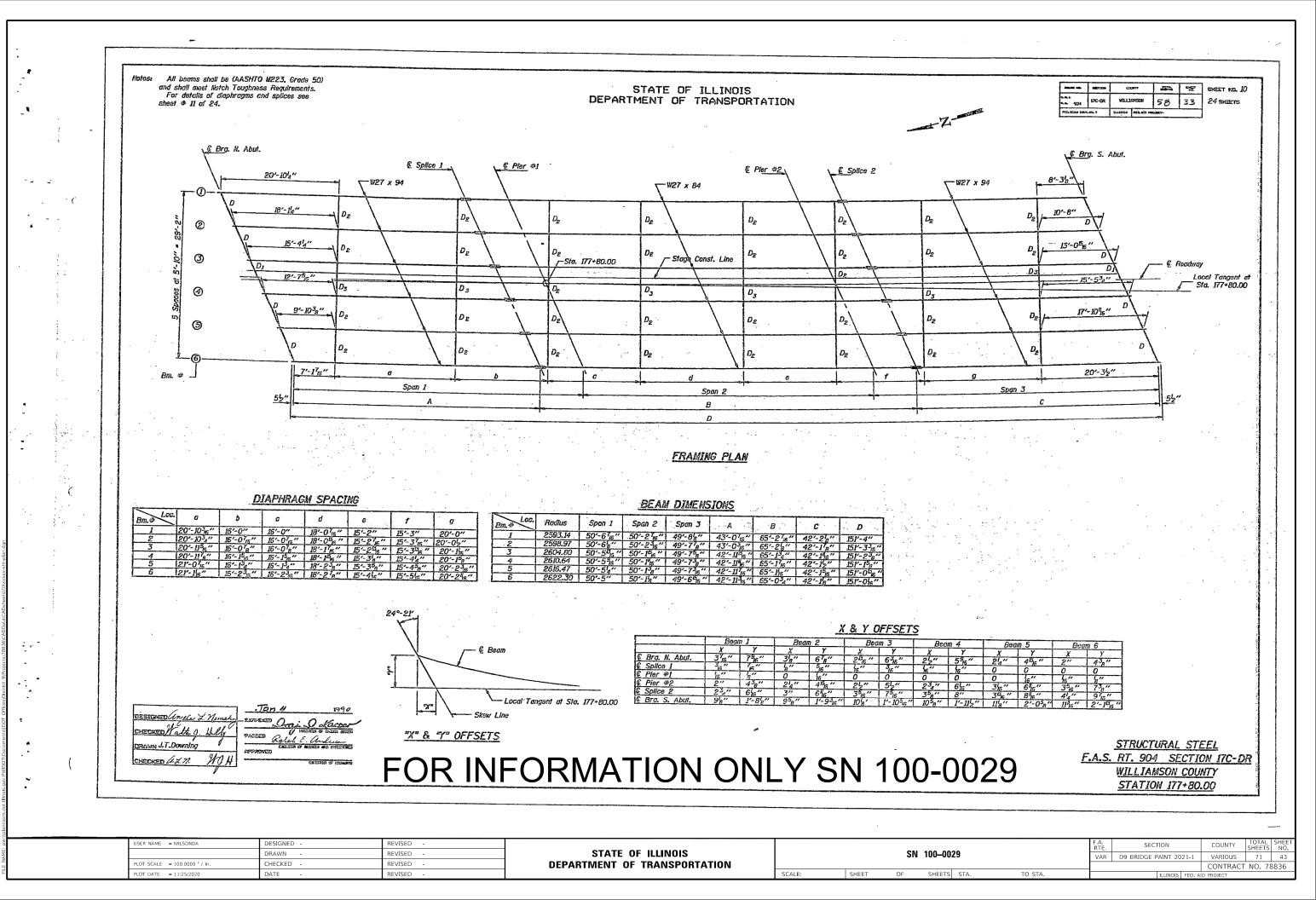




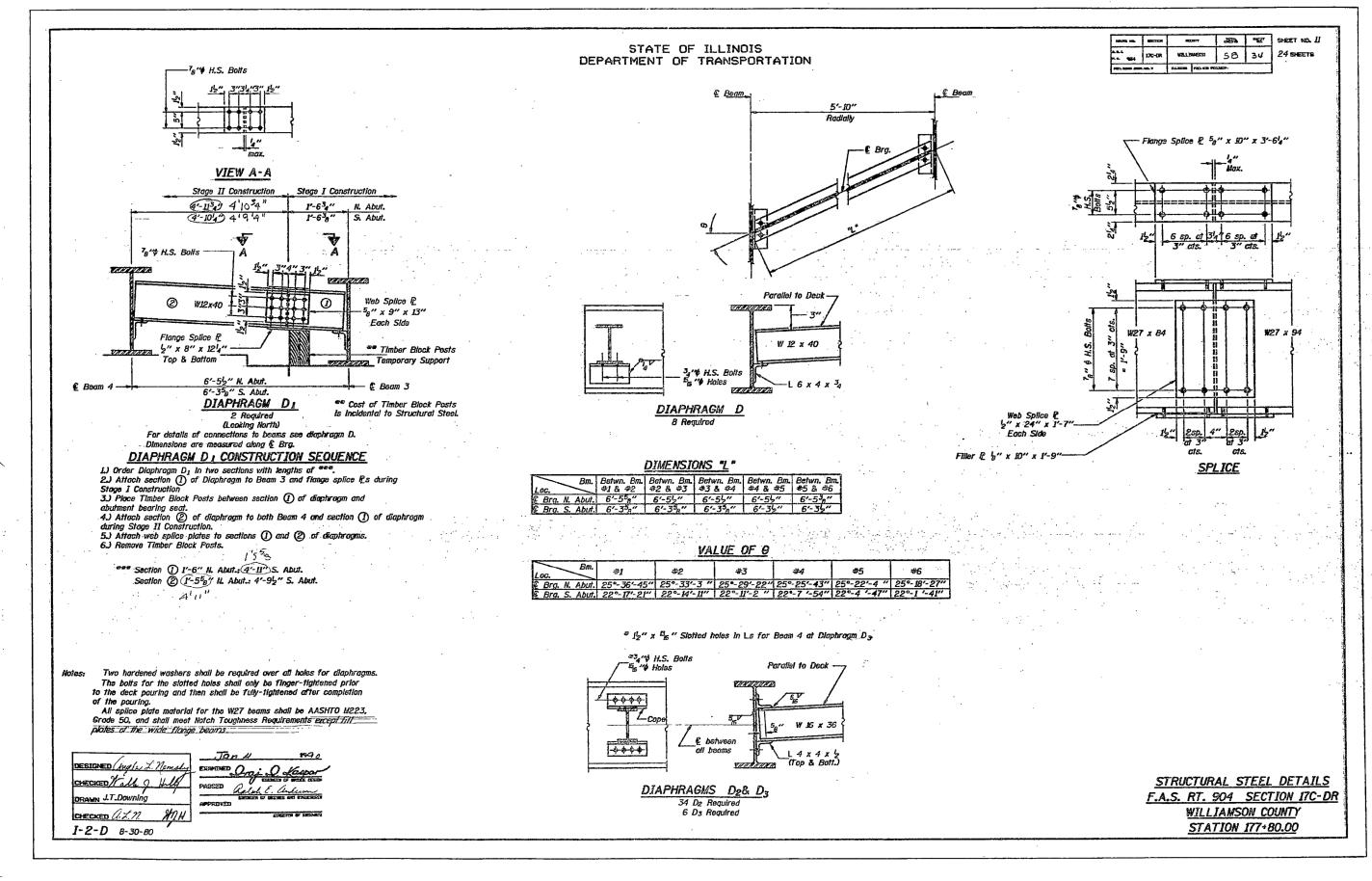
CHECKED

REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  SN 100-0029 VAR D9 BRIDGE PAINT 2021-1 VARIOUS 71 42 CONTRACT NO. 78836

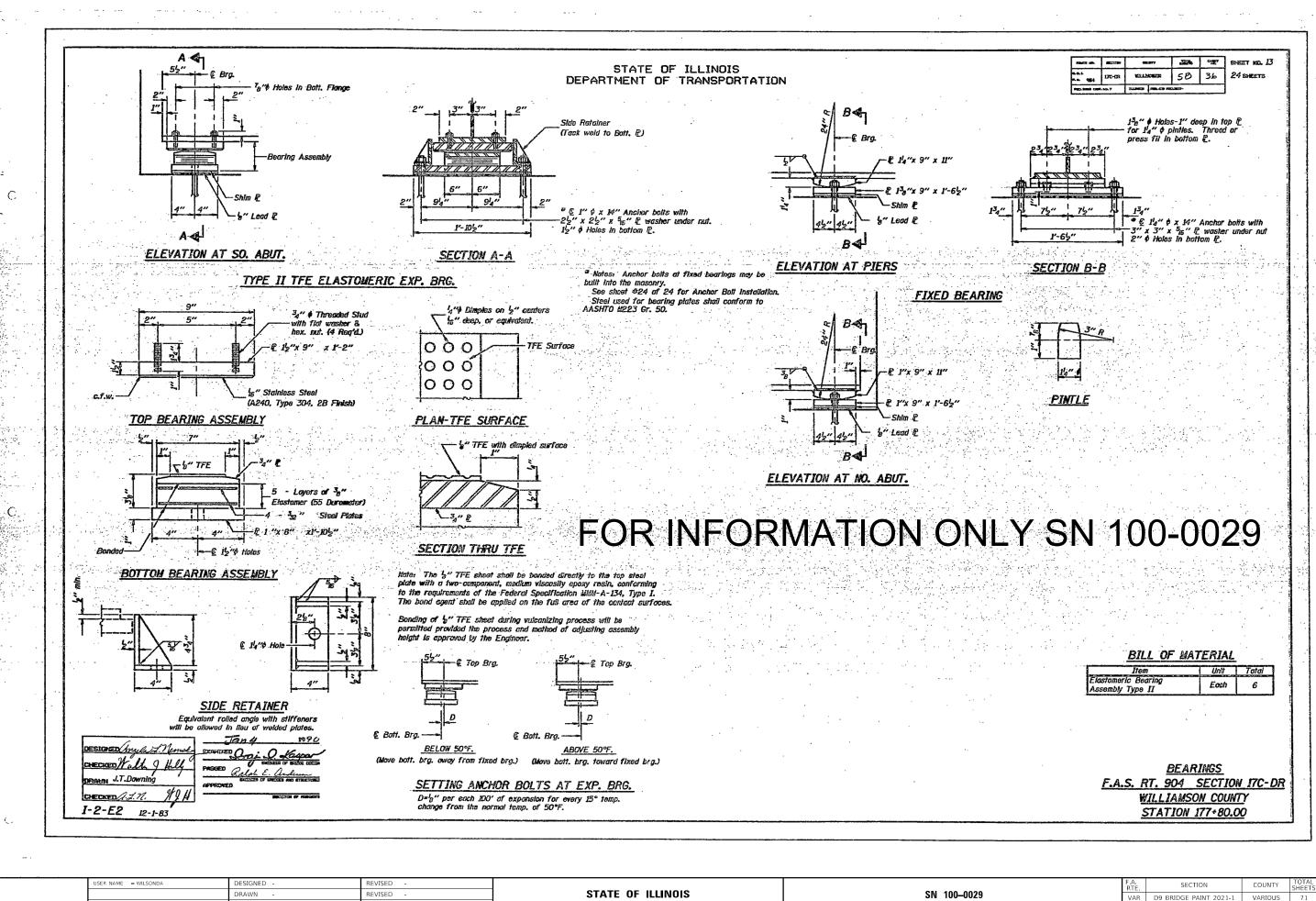


## FOR INFORMATION ONLY SN 100-0029



	DRAWN -	REVISED -	STATE OF ILLINOIS	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	
PLOT DATE = 11/25/2020	DATE -	REVISED -		SCALE:

	SN 100-0029		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
SN 100-002		29		VAR	D9 BRIDGE PAINT 2021-1	VARIOUS	71	44
	SN 100-0029  SHEETS STA. TO STA.				CONTRACT	NO. 78	3836	
=	SHEETS	STA.	TO STA.		ILLINOIS FED A	ID PROJECT		

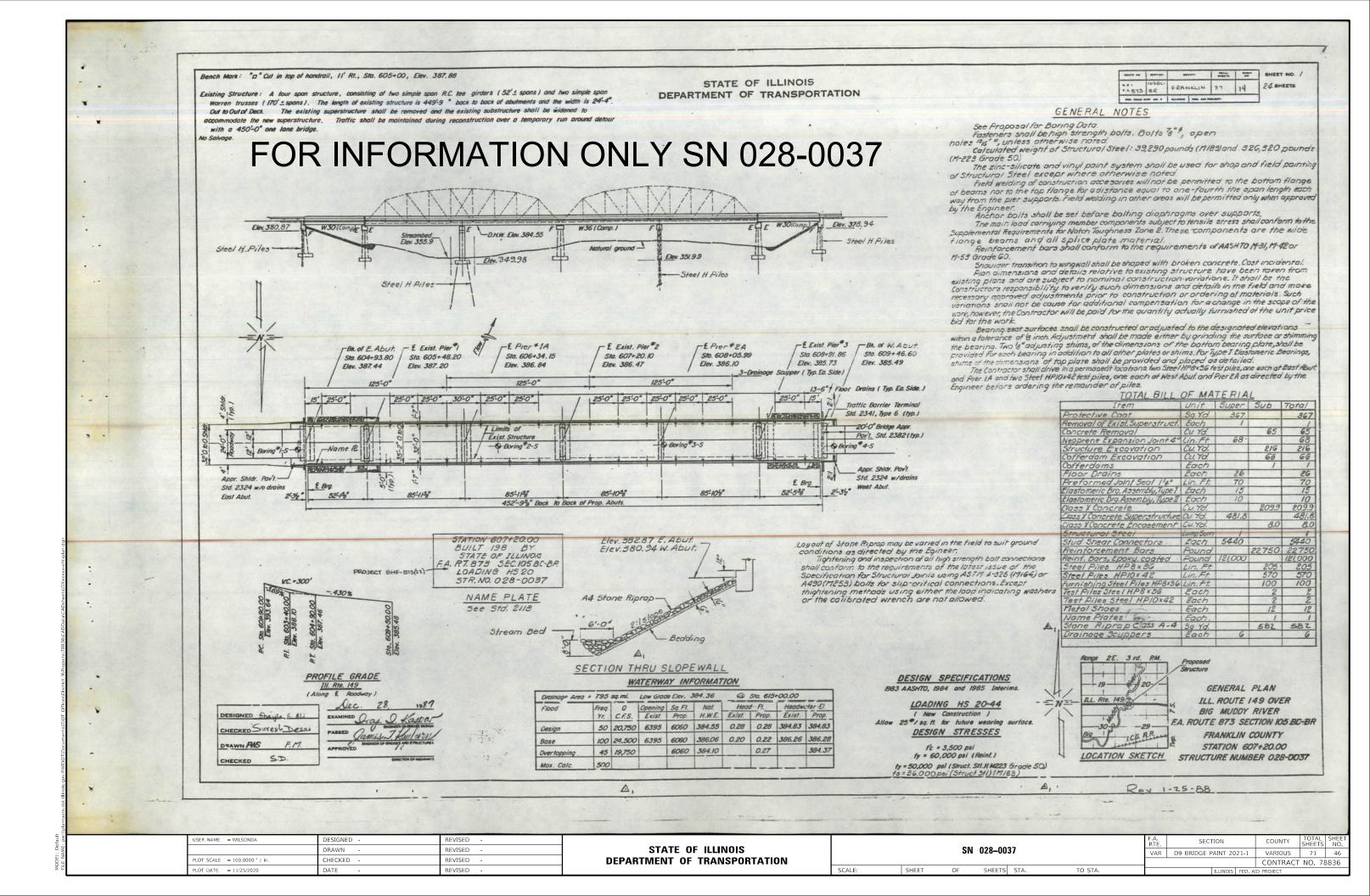


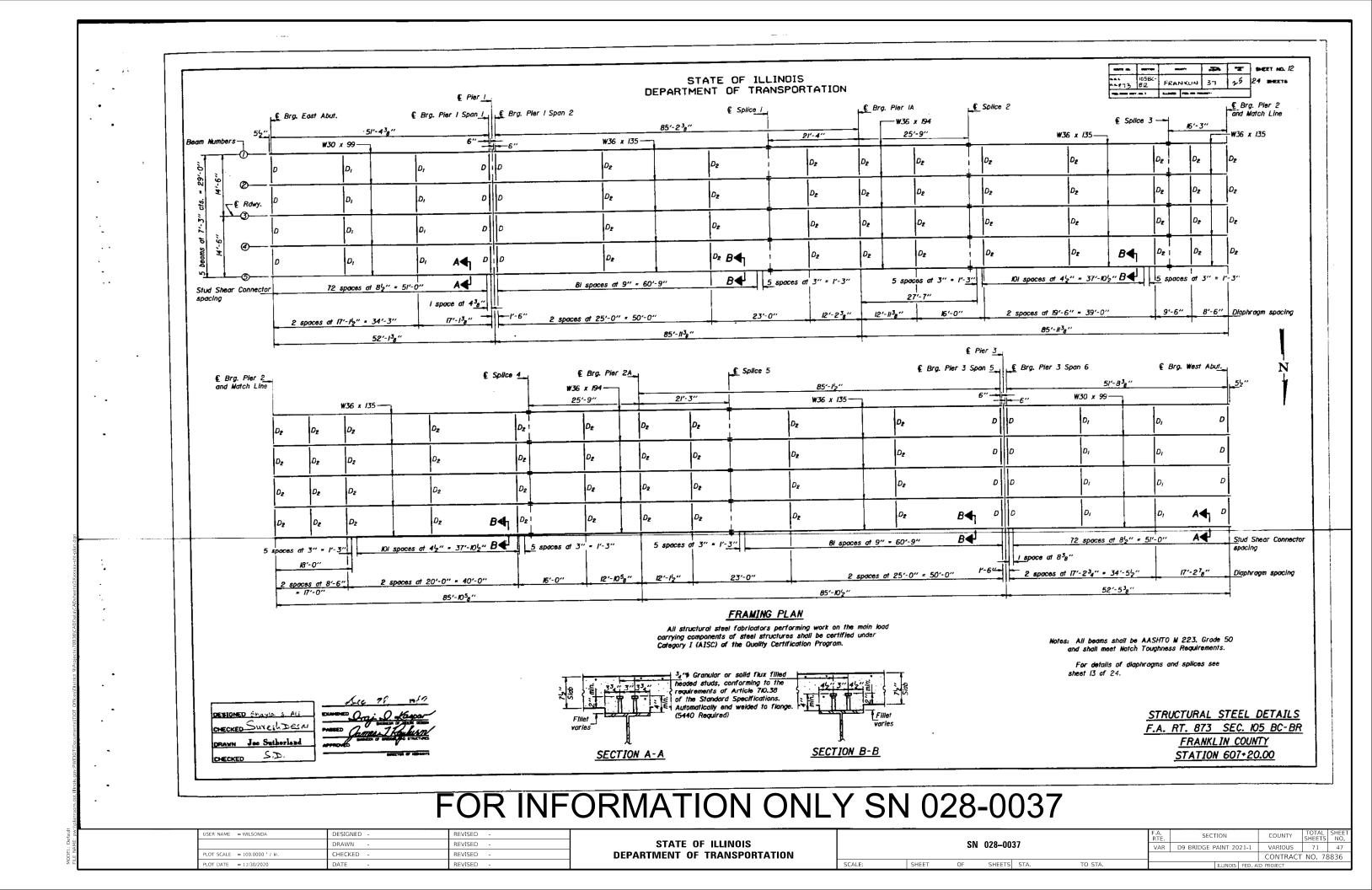
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DRAWN - REVISED 
STATE OF ILLINOIS

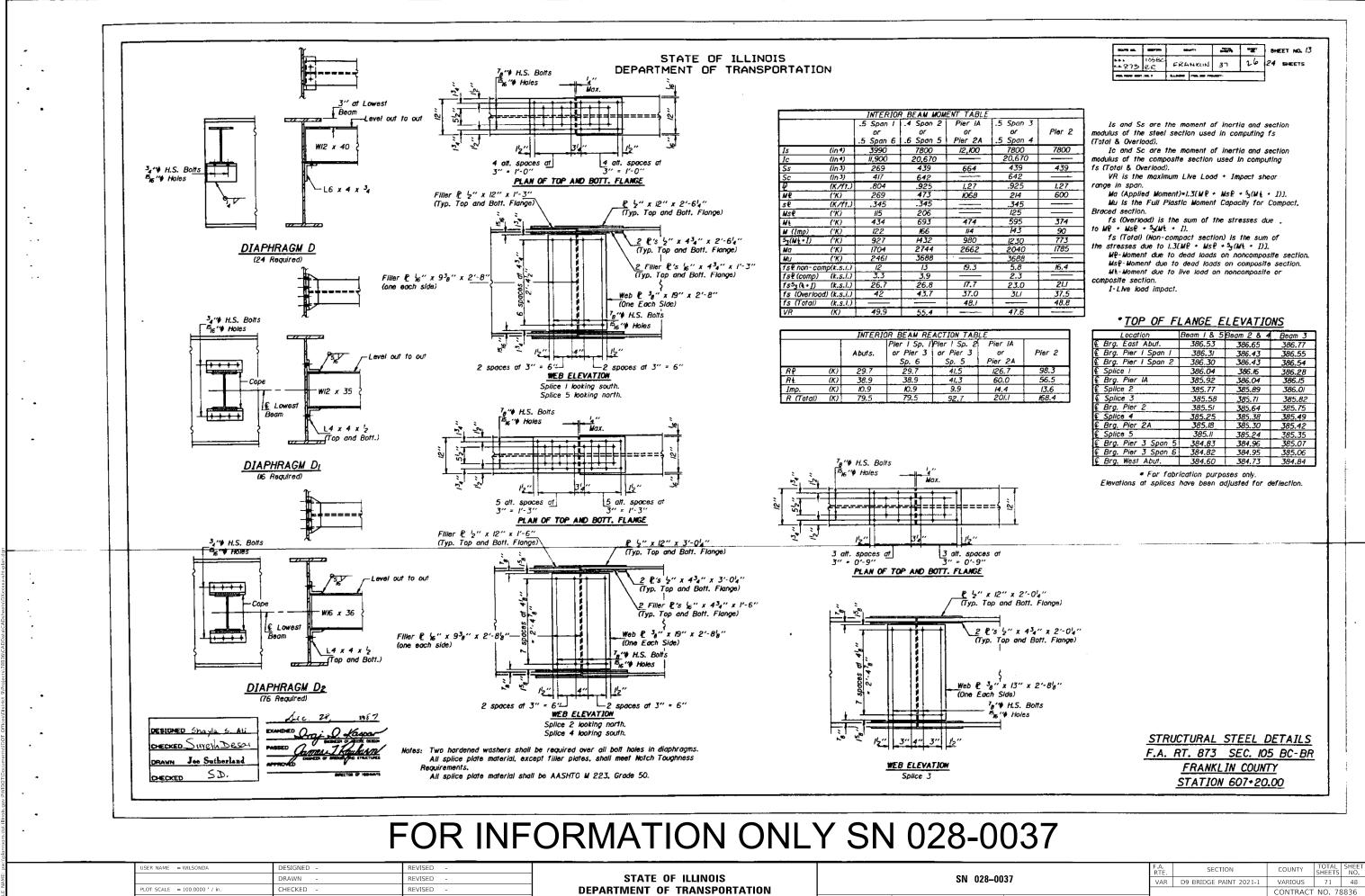
DEPARTMENT OF TRANSPORTATION

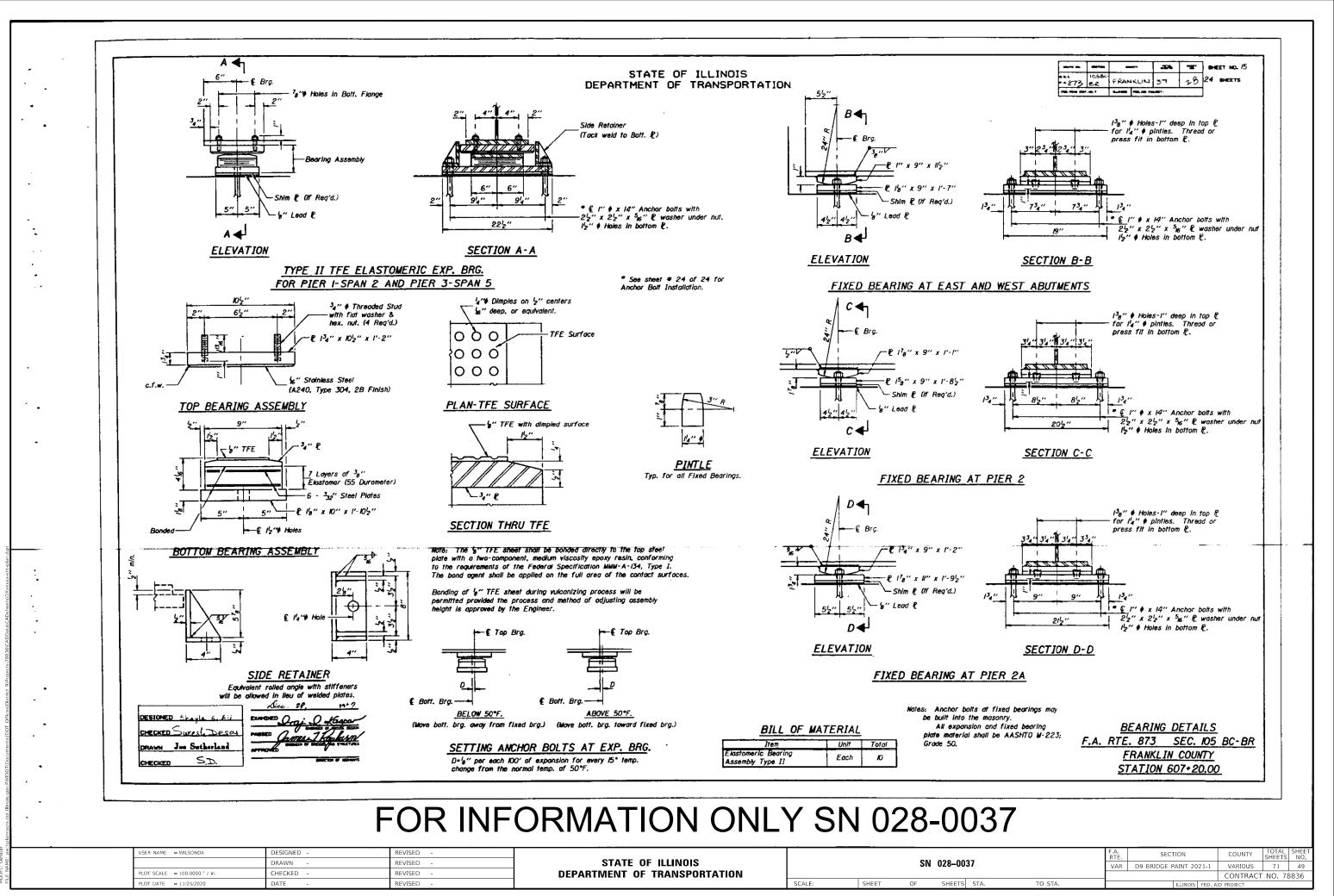
SCALE: SHEET OF SHEET STA. TO STA.

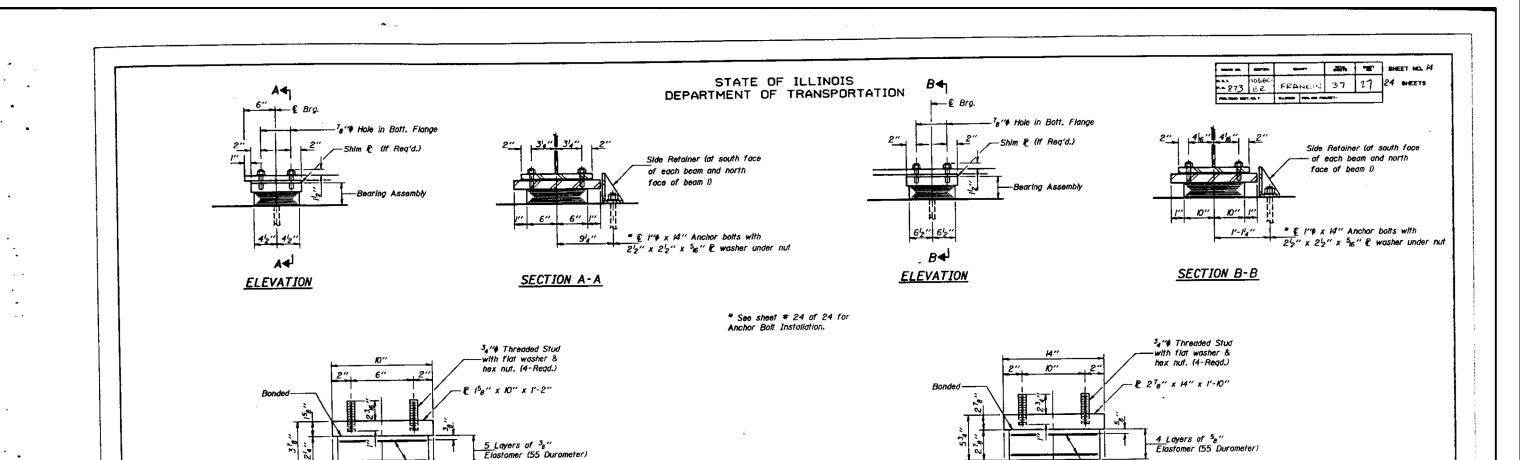
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BEARING DETAILS FOR PIER I-SPAN I AND PIER 3-SPAN 6

BEARING ASSEMBLY

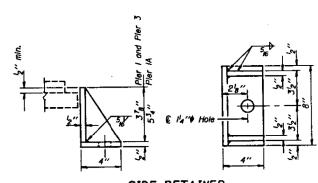
HECKED Suresh Desai

Jee Sutherland

332" Steel Plates

Notes: Shim plates shall not be placed under Bearing Assemblys.

All bearing plate material shall be AASHTO M-223, Grade 50.



SIDE RETAINER
(Typical except as noted.)
Equivalent rolled angle with stiffeners
will be allowed in lieu of welded plates.

BEARING DETAILS FOR PIER IA

BEARING ASSEMBLY

'a" Steel Plates

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	<i>1</i> 5

DETAILS FOR TYPE I

ELASTOMERIC EXPANSION BEARINGS

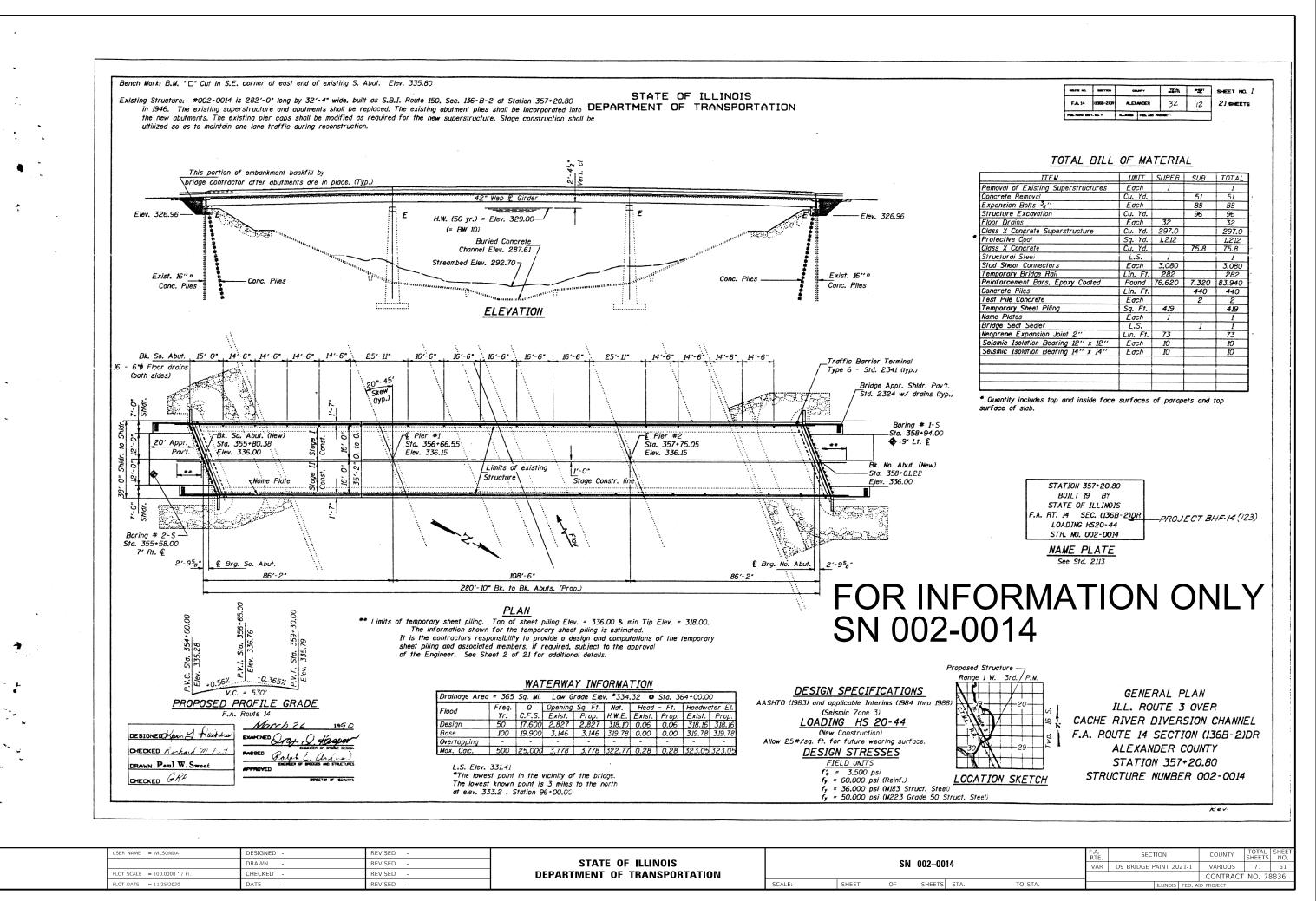
F.A. RT. 873 SEC. 105 BC-BR

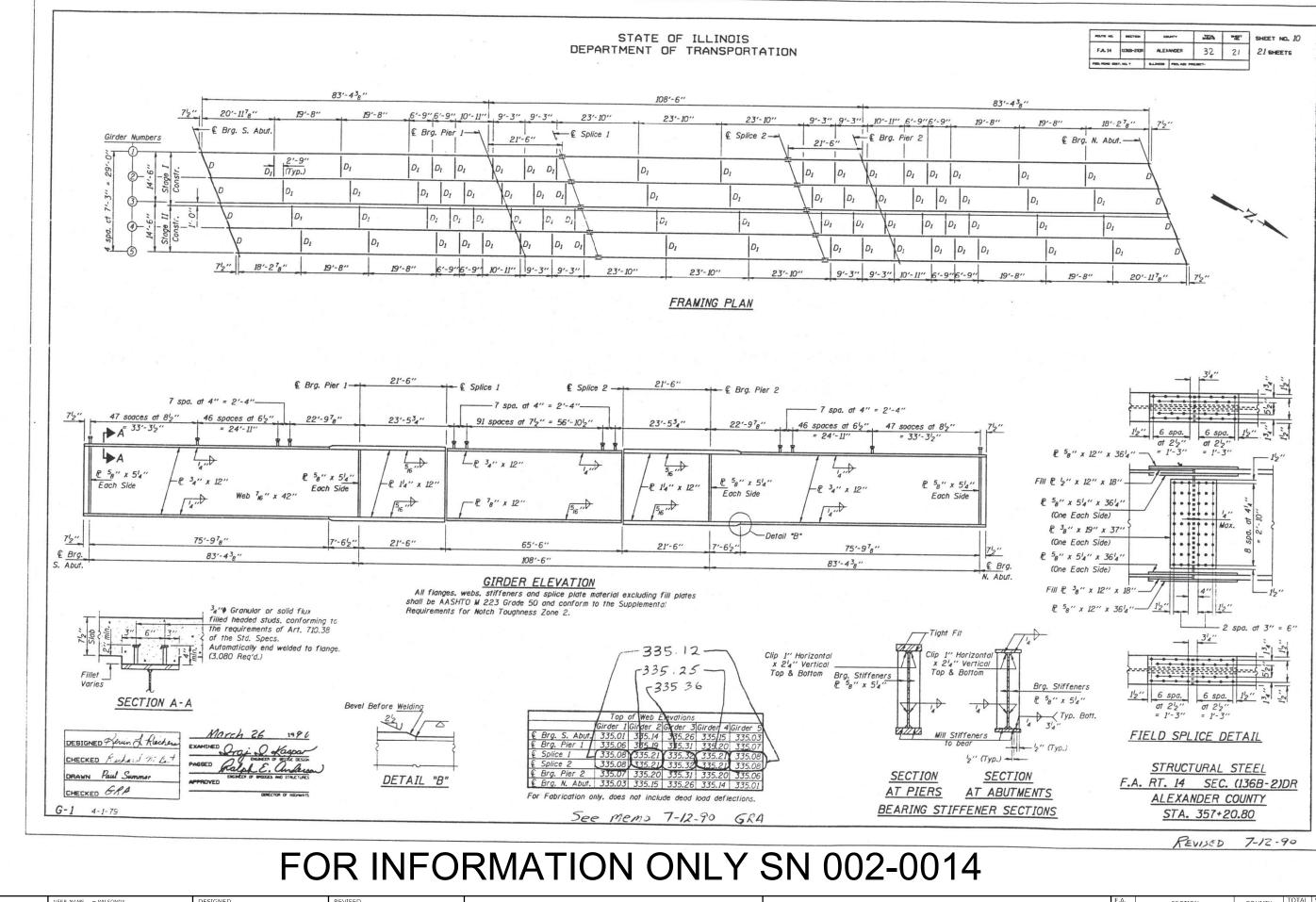
FRANKLIN COUNTY

STATION 607+20.00

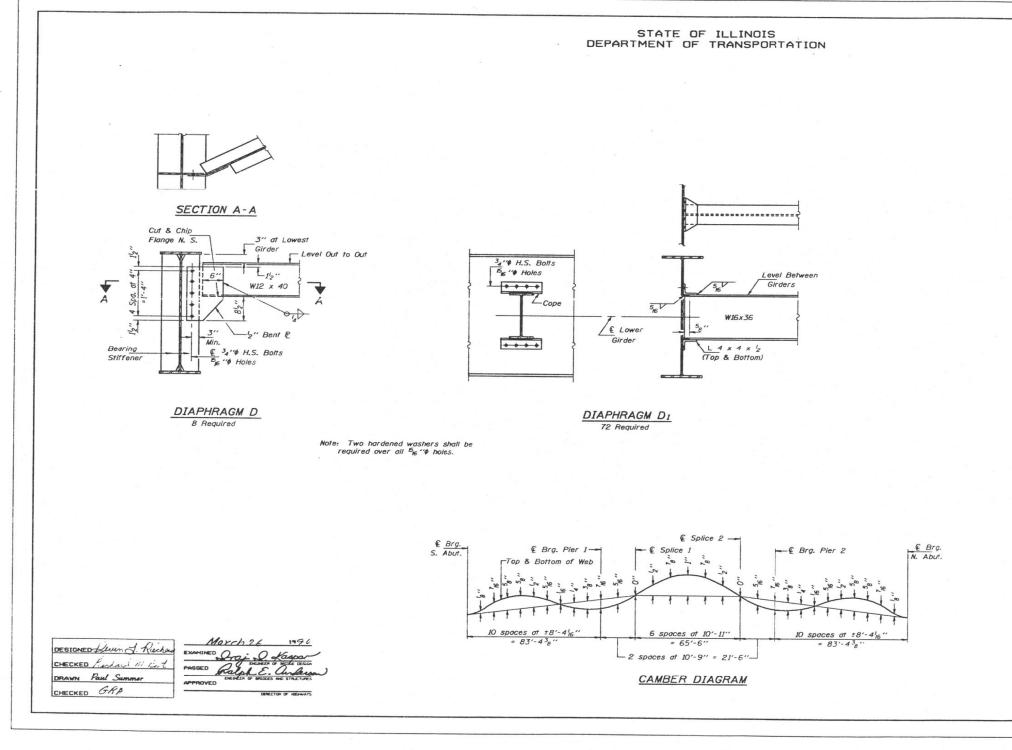
# FOR INFORMATION ONLY SN 028-0037

USER NAME = WILSONDA	DESIGNED -	REVISED -							F.A.	SECTION	COUNTY	TOTAL	SHEET
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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								CONTRACT	T NO. 78	3836
PLOT DATE = 11/25/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		





USER NAME = WILSONDA	DESIGNED -	REVISED -								F.A. RTF	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS			SN 0	02-001	14		VAR	D9 BRIDGE PAINT 2021-1	VARIOUS	71	52
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRACT	NO. 78	836
PLOT DATE = 11/30/2020	DATE -	REVISED -		SCALE:	SHEET	OF S	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



SHEET NO. 11 ALEXANDER 32 22 21 SHEETS

INTER.	IOR GIRL	DER MOMENT	TABLE	
		0.4 Sp. 1 or 0.6 Sp. 3	Piers	0.5 Sp. 2
Is	(in 4)	10,926	16,734	11,610
Ic	(in 4)	27.985		30,282
Ss	(in 3)	502	752	553
Sc	(in 3)	712		779
P	(K/ft.)	0.843	1.207	0.843
MP	('K)	361	1,141	406
5₽	(K/ft.)	0.345		0.345
Ms₽	('K)	177		229
MŁ	('K)	676	545	794
M (Imp)	('K)	162	123	170
53(M+1)	('K)	1.397	1.113	1,607
Ма	('K)	2.516	2.930	2.915
fs@non-con	np(k.s.i.)	8.6	18.2	8.8
fs € (comp)	(k.s.i.)	3.0		3.5
fs53(4+I)	(k.s.i.)	23.5	17.8	24.8
fs (Overload	) (k.s.i.)	35.1	36.0	37.1
fs (Total)	(k.s.i.)	45.6	46.8	48.2
VR	(K)	56.0		50.0

INTERIO	R GIRL	DER REACT	TON TABL
		Abuts.	Piers
R₽	(K)	36.0	128.8
RŁ	(K)	41.2	63.9
Imp.	(K)	9.9	14.4
R (TOTAL)	(K)	87.1	207.1

Is and Ss are the moment of inertia and section modulus of the steel section used in computing fs (Total & Overload).

Ic and Sc are the moment of inertia and section modulus of the composite section used in computing fs (Total & Overload).

VR is the maximum Live Load + Impact shear range in span.

Ma (Applied Moment)=1.3[M P + Ms P + 5<sub>3</sub>(M ½ + 1)].

fs (Overload) is the sum of the stresses due to MP + MsP + 5<sub>3</sub>(M ½ + 1).

fs (Total) (Non-compact section) is the sum of the stresses due to 1.3[MP + Ms P + 5<sub>3</sub>(M ½ + 1)].

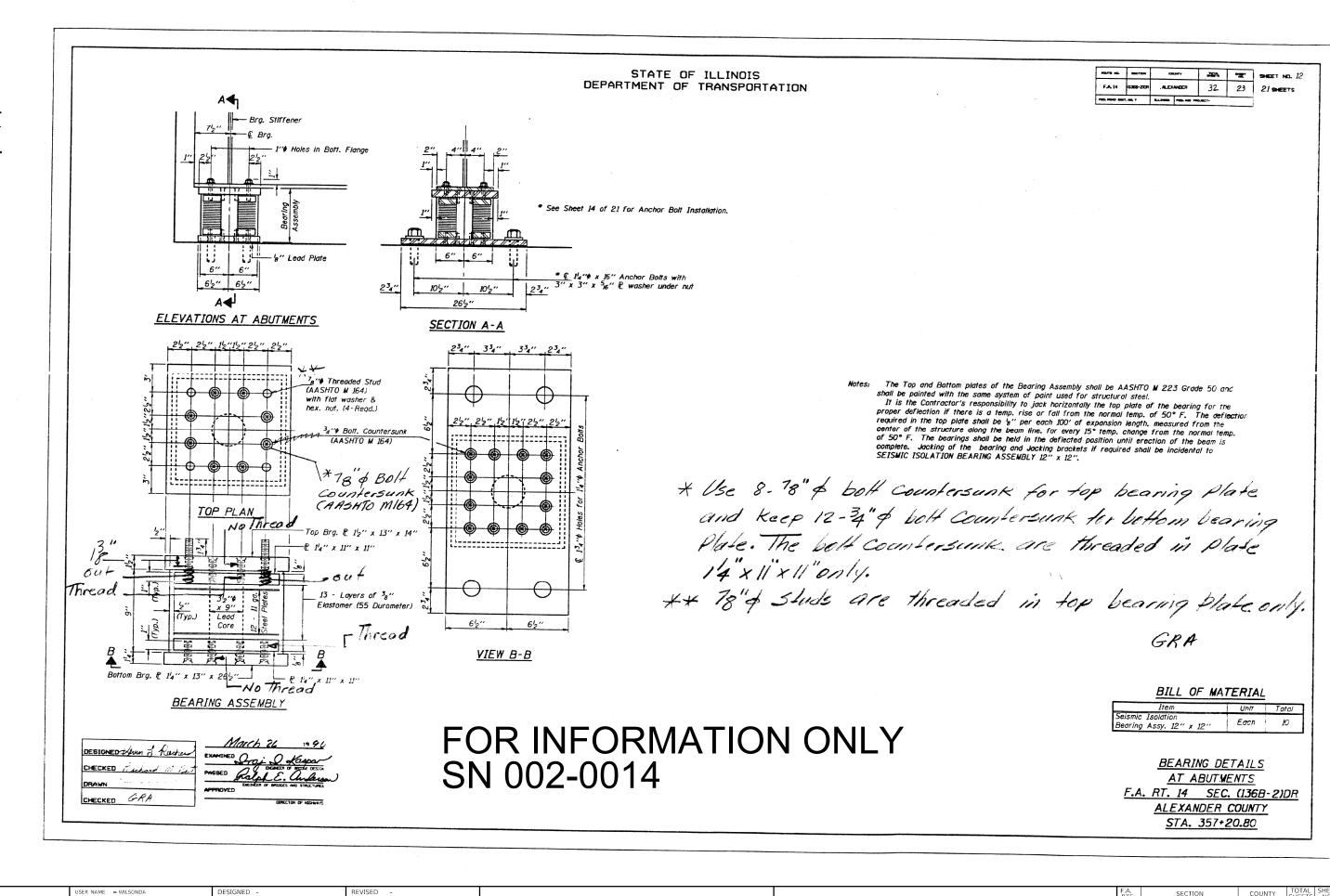
STRUCTURAL STEEL DETAILS F.A. RT. 14 SEC. (136B-2)DR ALEXANDER COUNTY STA. 357+20.80

### FOR INFORMATION ONLY SN 002-0014

USER NAME = WILSONDA	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/30/2020	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

CM 003 0014		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	SN 002-0014		VAR	D9 BRIDGE PAINT 2021-1	VARIOUS	71	53	
				CONTRACT	NO. 78	3836		
EET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



DRAWN

CHECKED

REVISED -

REVISED

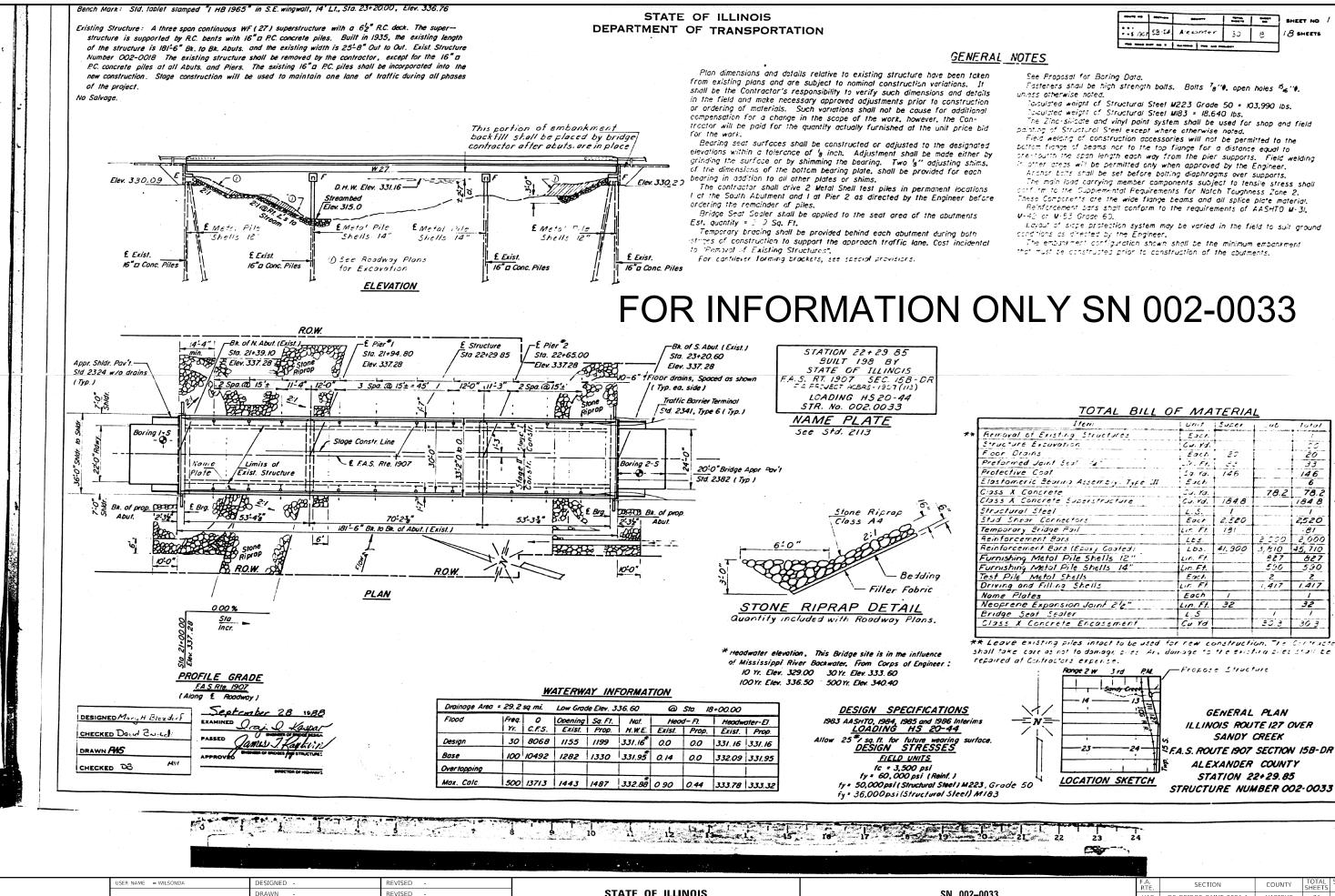
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 002-0014

F.A. SECTION COUNTY TOTAL SHEET NO.

VAR D9 BRIDGE PAINT 2021-1 VARIOUS 71 54

CONTRACT NO. 78836

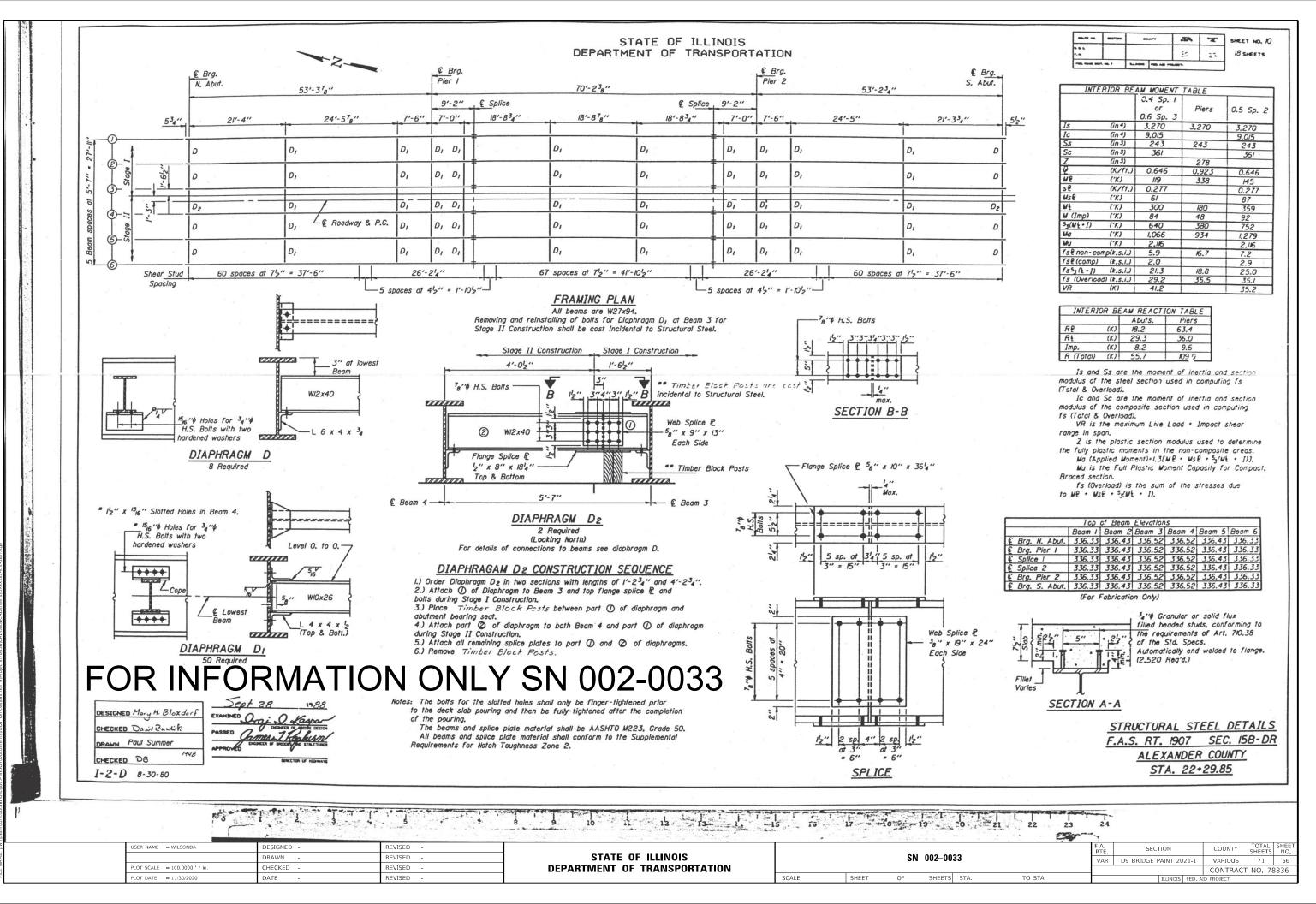


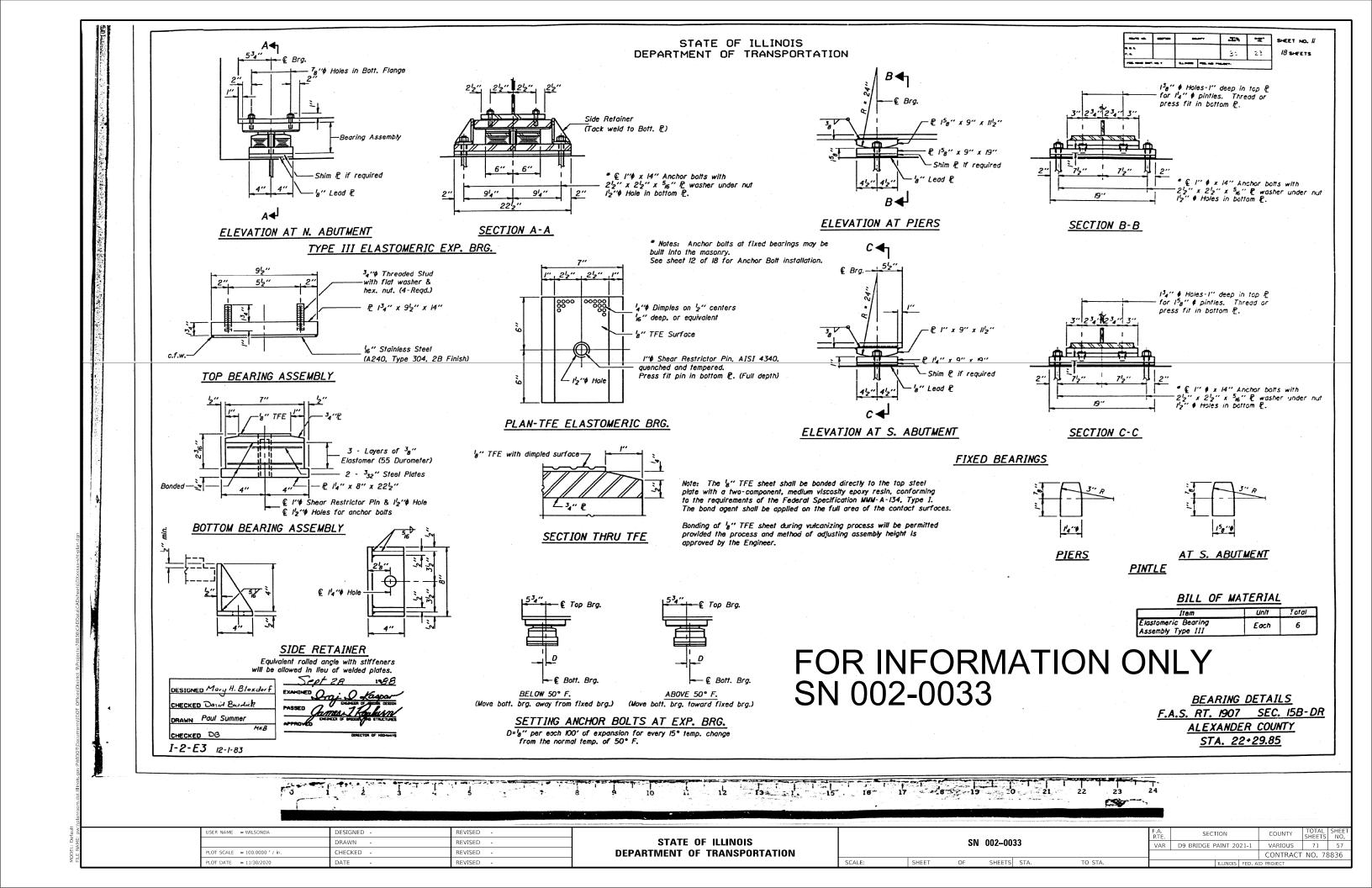
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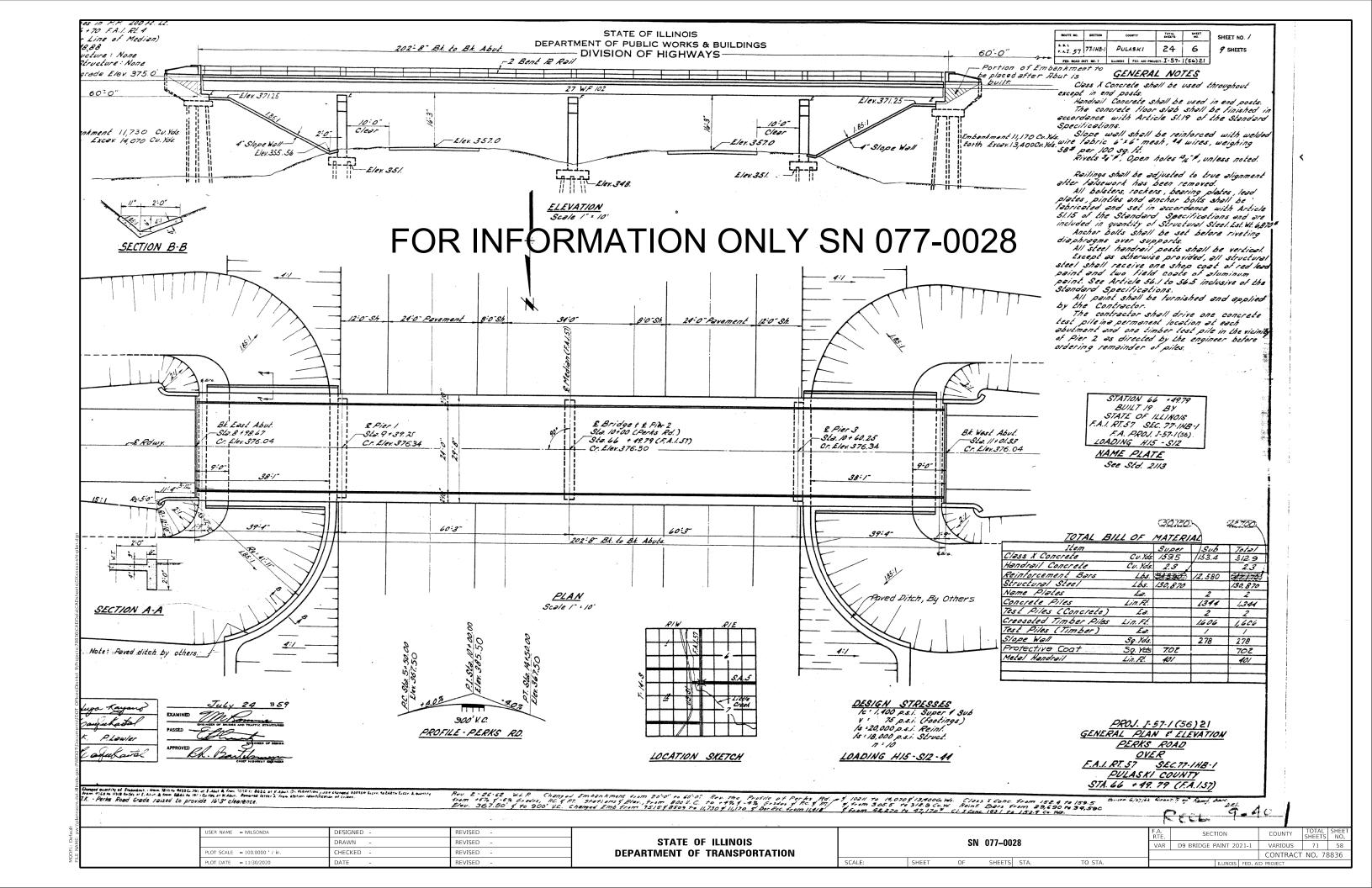
REVISED

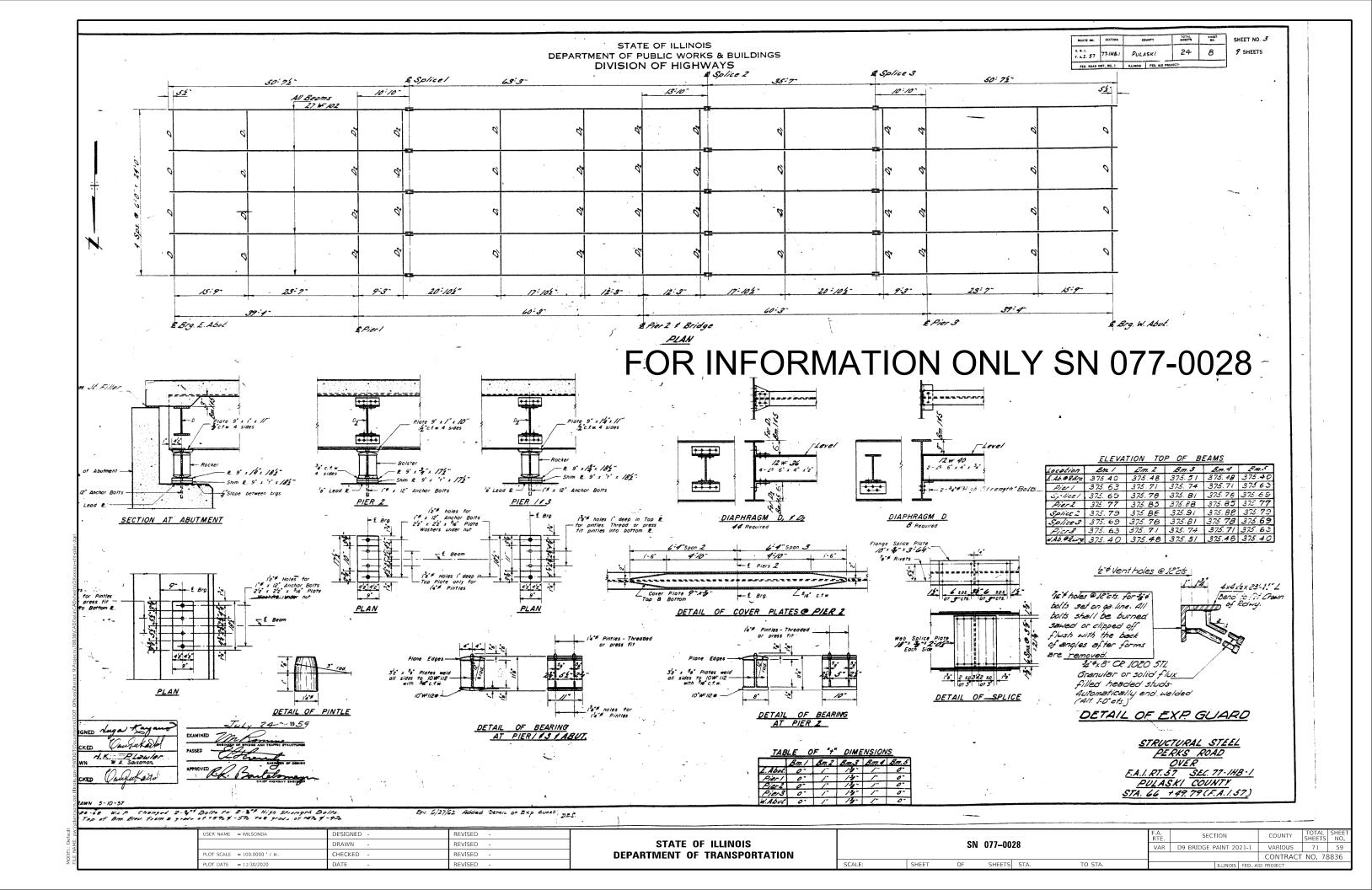
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

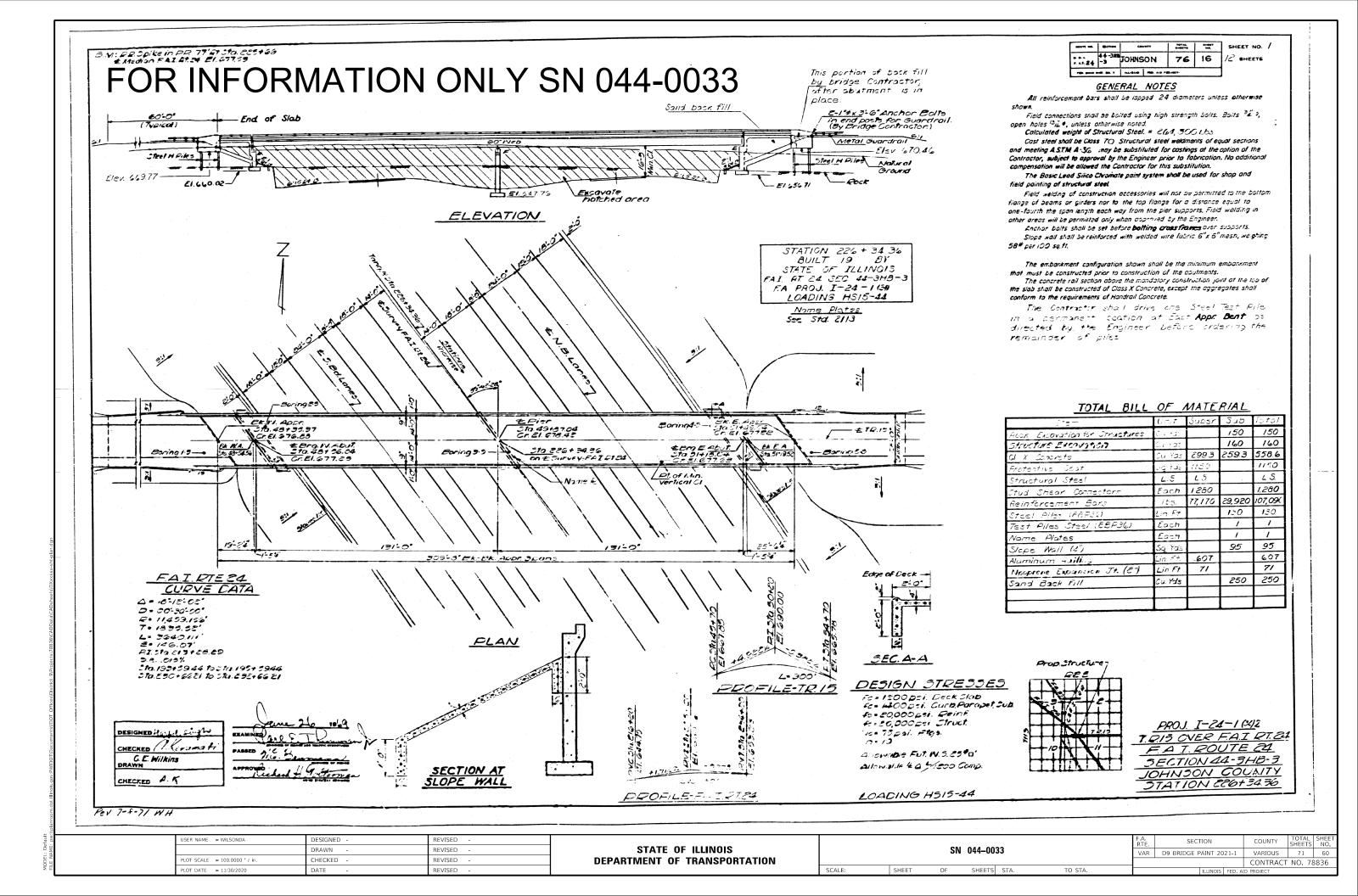
SN 002-0033

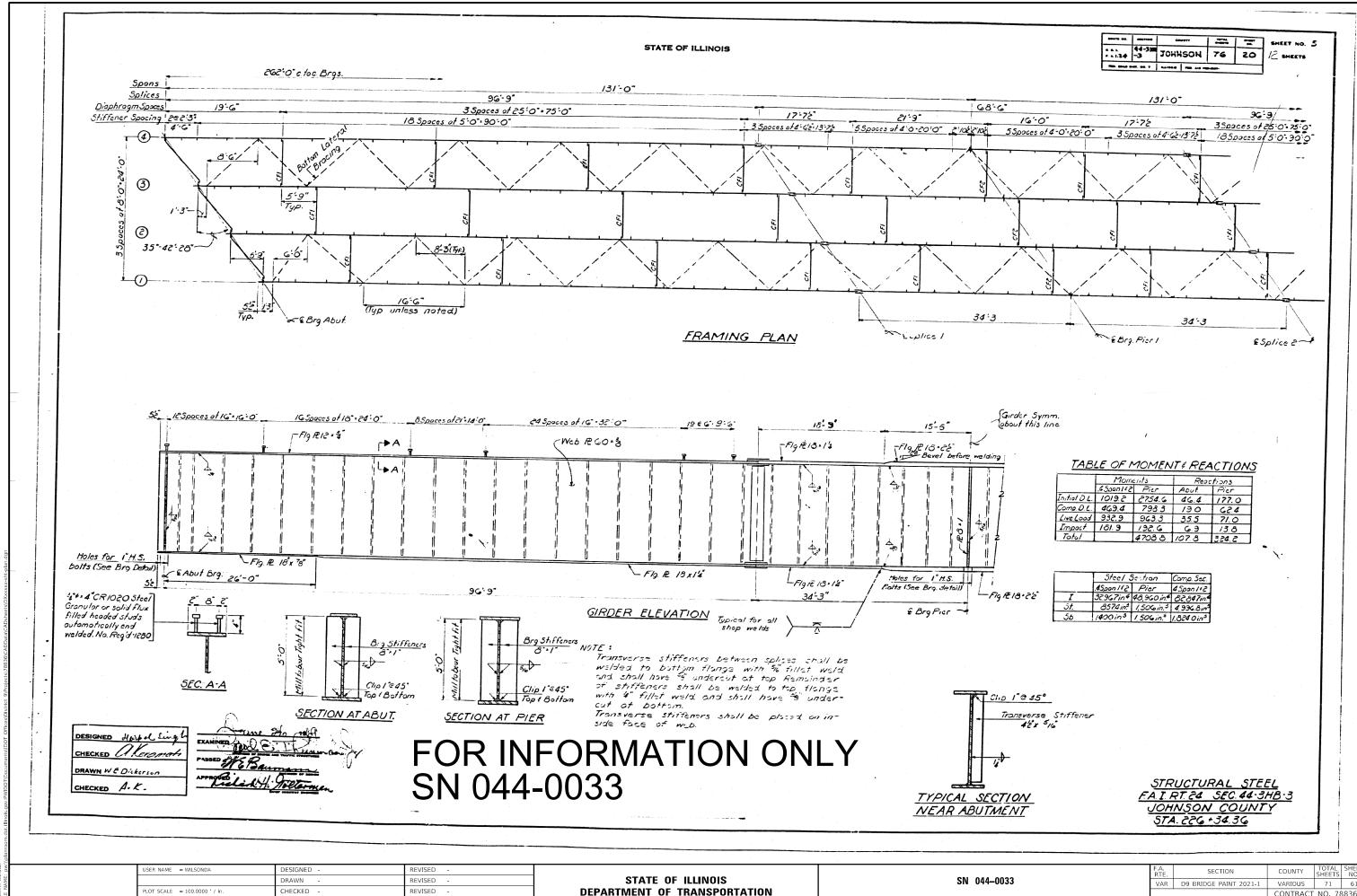












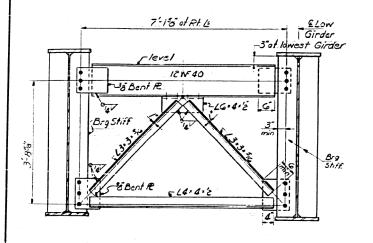
DATE

**DEPARTMENT OF TRANSPORTATION** 

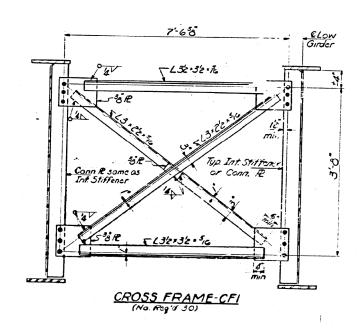
71 61 CONTRACT NO. 78836

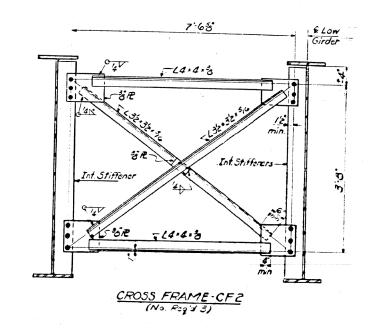


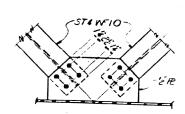




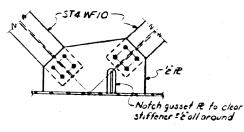
TYPICAL END CROSS FRAME
(No Regid G)



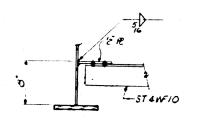




TYPICAL LATERAL BRACING



LATERAL BRACING NEAR
INT. STIFFENER



LATERAL BRACING

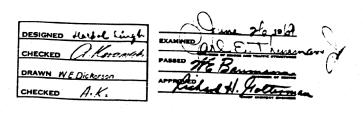
#### TOP OF WEB ELEVATIONS

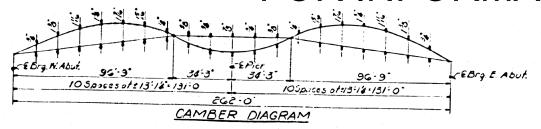
Location			Bm.3	Bm. 4
W. Abut.	G76.58	676 58	676.50	676.30
Pier	677.47	G77.50	677.58	677.47
E. Abut.	676.71	676 59	676.95	676.95

### TOP OF WEB ELEVATIONS (Adjusted for Comber)

Location	Bm. I	5m. ĉ	Bm.3	Bm. 4
Splice 1				
Splice 2	G77.55	677.75	677.70	677.63

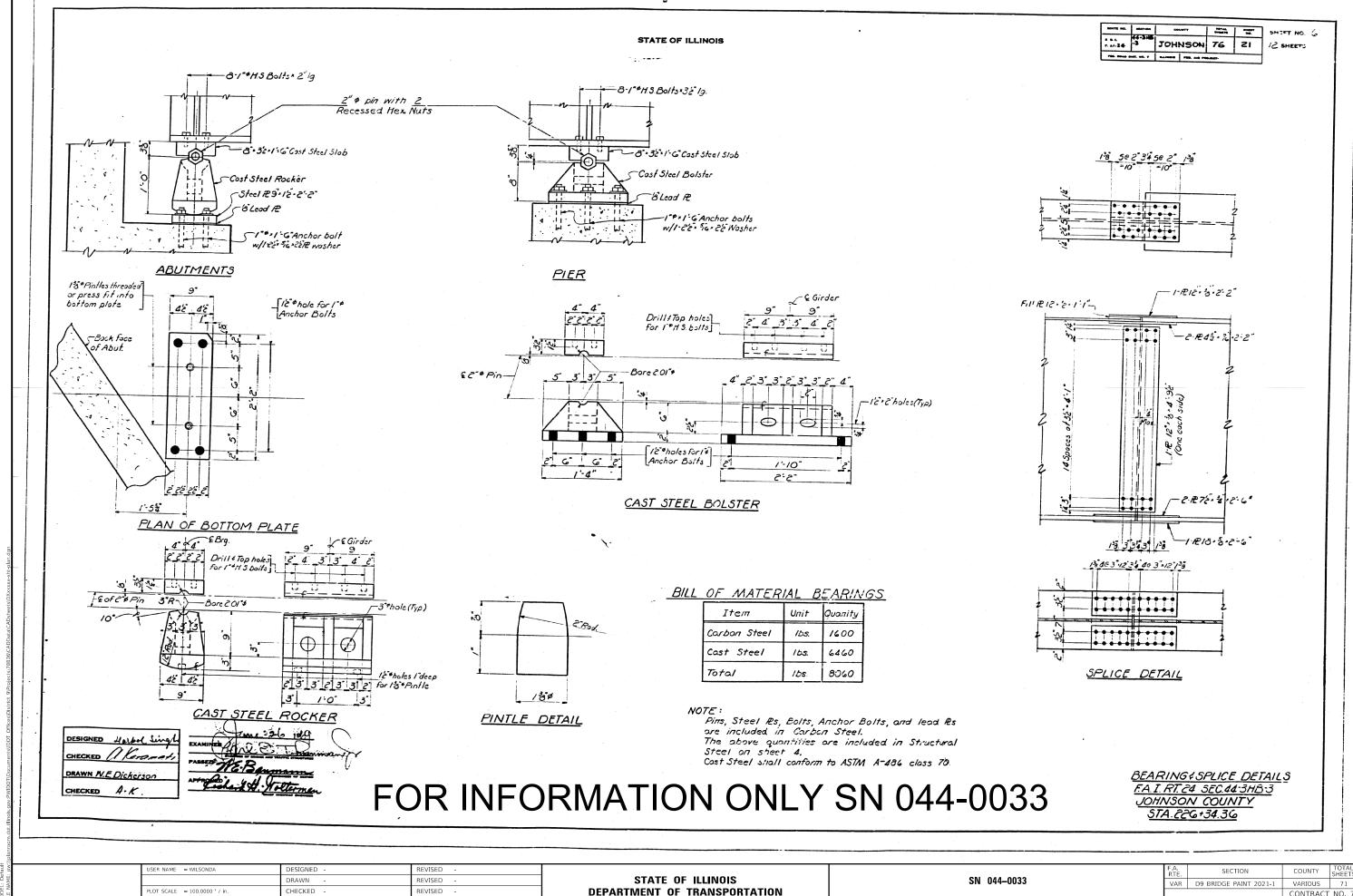
# FOR INFORMATION ONLY SN 044-0033





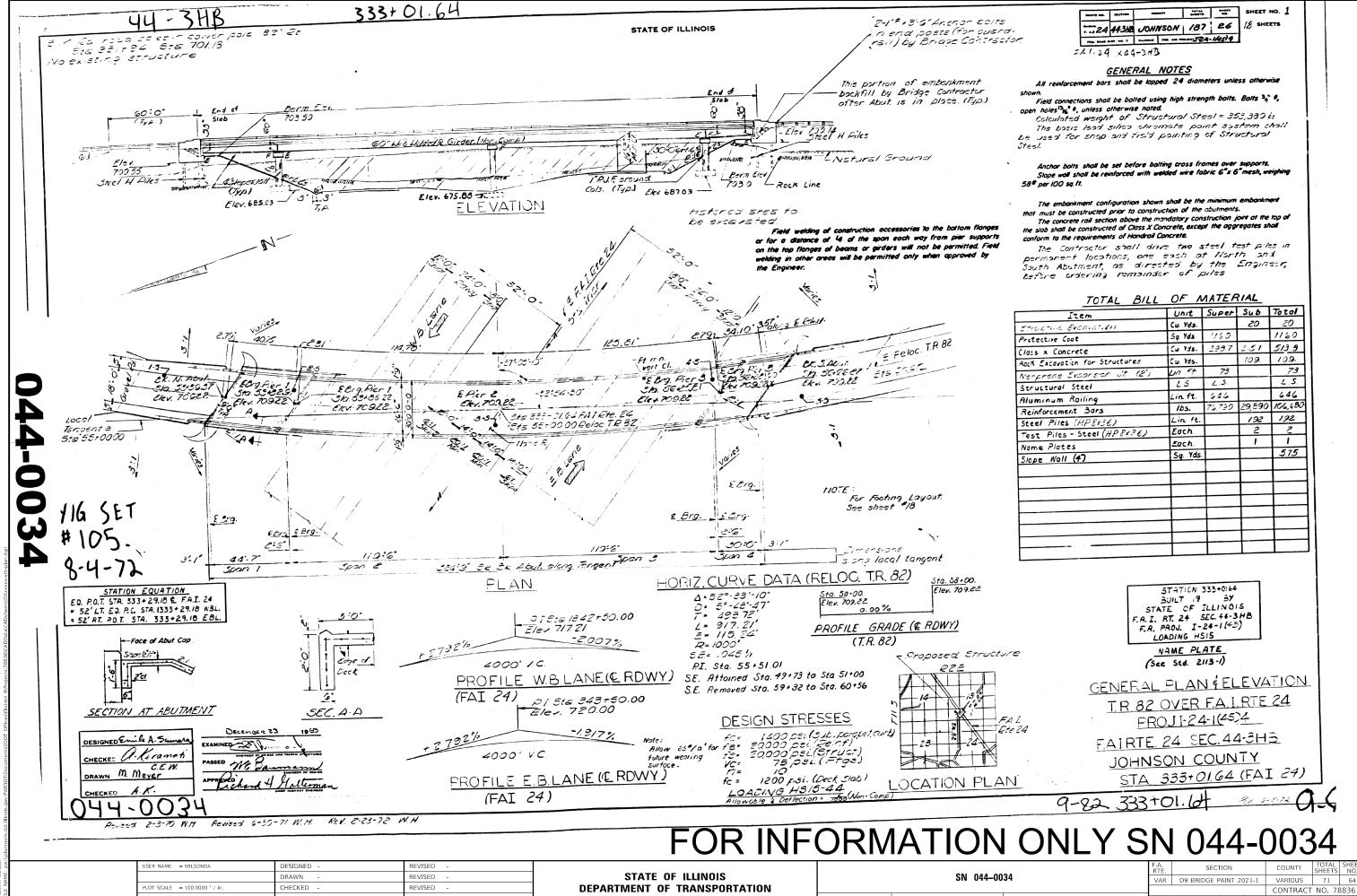
CFOSS FRAME (LATERAL BRACES FAIRT 24 SEC 443HB3 JOHNSON COUNTY STA. 226+3436

	USER NAME = WILSONDA	DESIGNED -	REVISED -								F.A. RTE	SECTION	COUNTY	TOTAL	SHEET NO.
		DRAWN -	REVISED -	STATE OF ILLINOIS			SN	044-00	33		VAR	D9 BRIDGE PAINT 2021-1	VARIOUS	71	62
ı	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRAC	CT NO. 78	3836
	PLOT DATE = 11/30/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

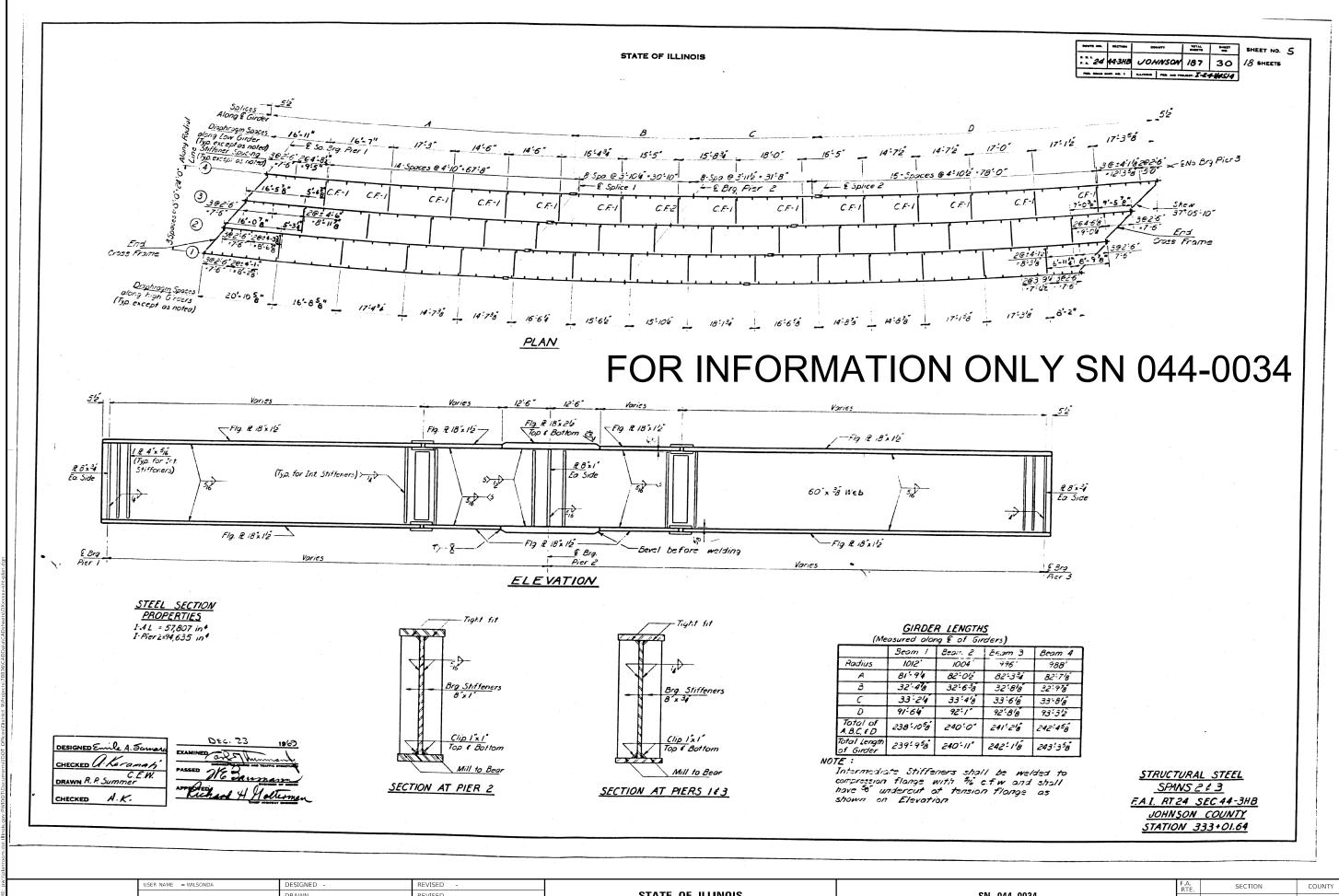


**DEPARTMENT OF TRANSPORTATION** 

VAR D9 BRIDGE PAINT 2021-1 CONTRACT NO. 78836

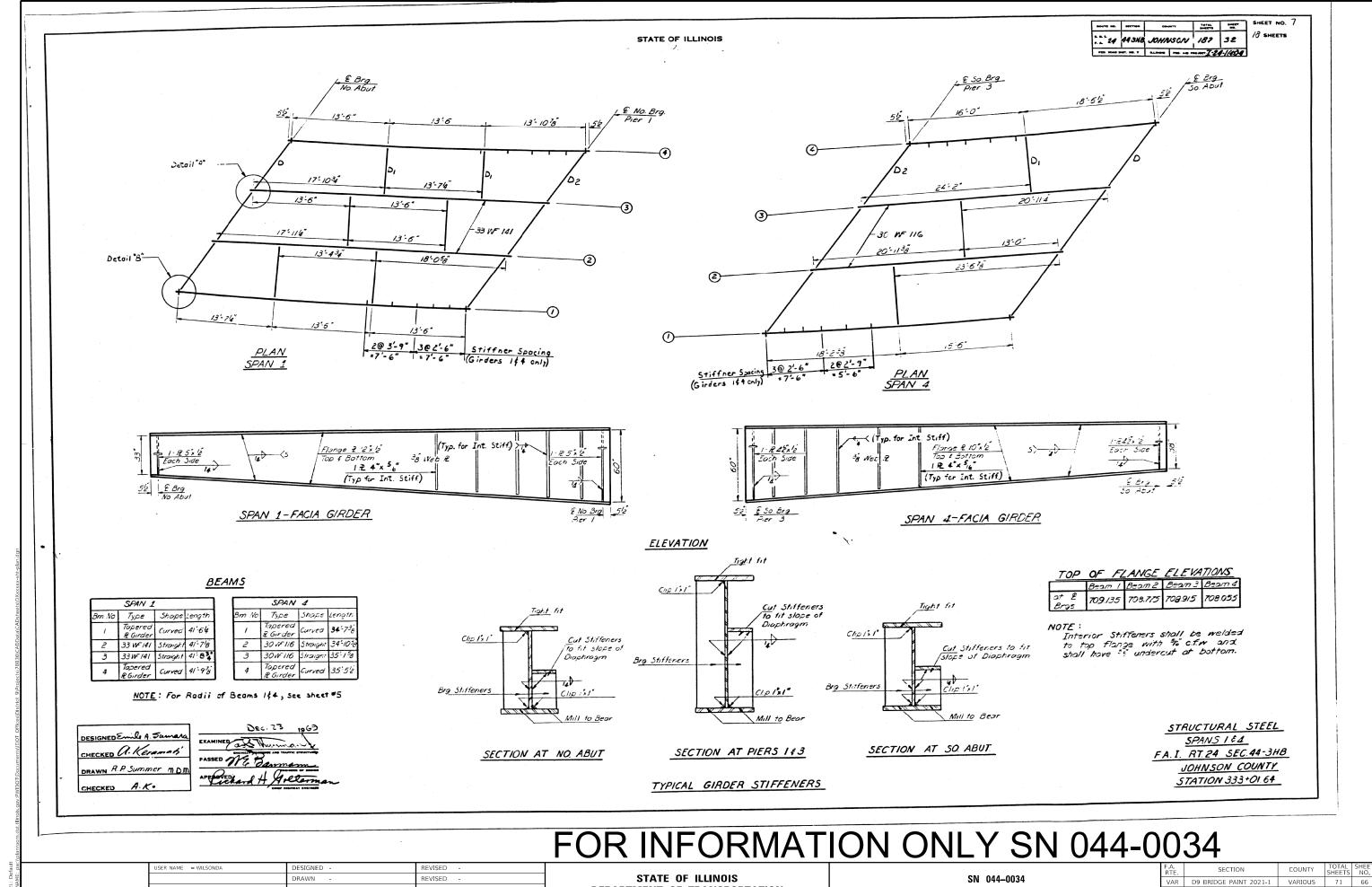


MODEL - Default



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

						F.A RTE	SECTION	COUNTY TOTAL SHEET NO.			
SN 044-0034							D9 BRIDGE PAINT 2021-1	VARIOUS	71	65	
								CONTRACT	NO. 78	3836	
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT			



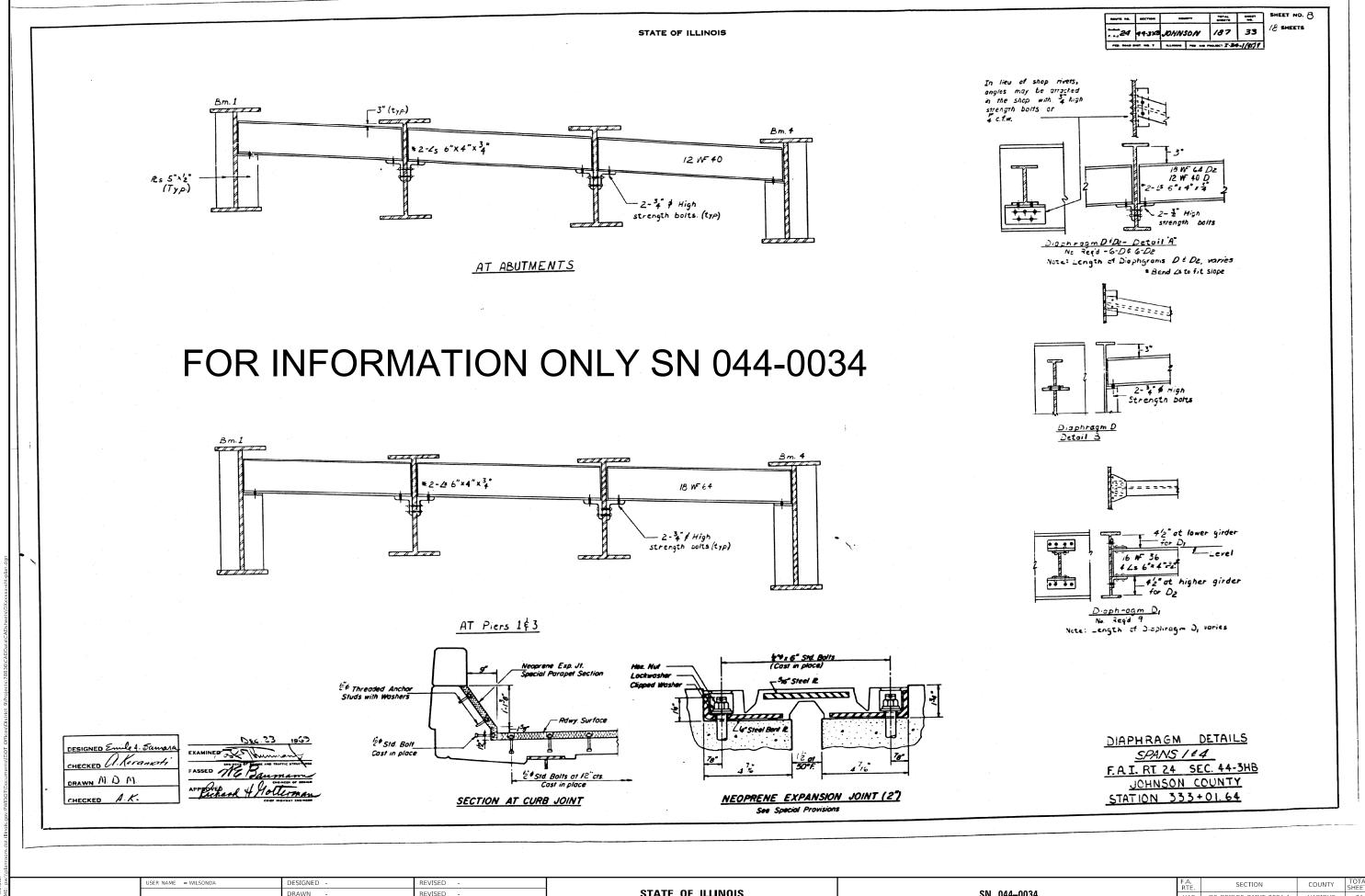
**DEPARTMENT OF TRANSPORTATION** 

CONTRACT NO. 78836

SHEETS STA.

CHECKED

REVISED



CHECKED

DATE

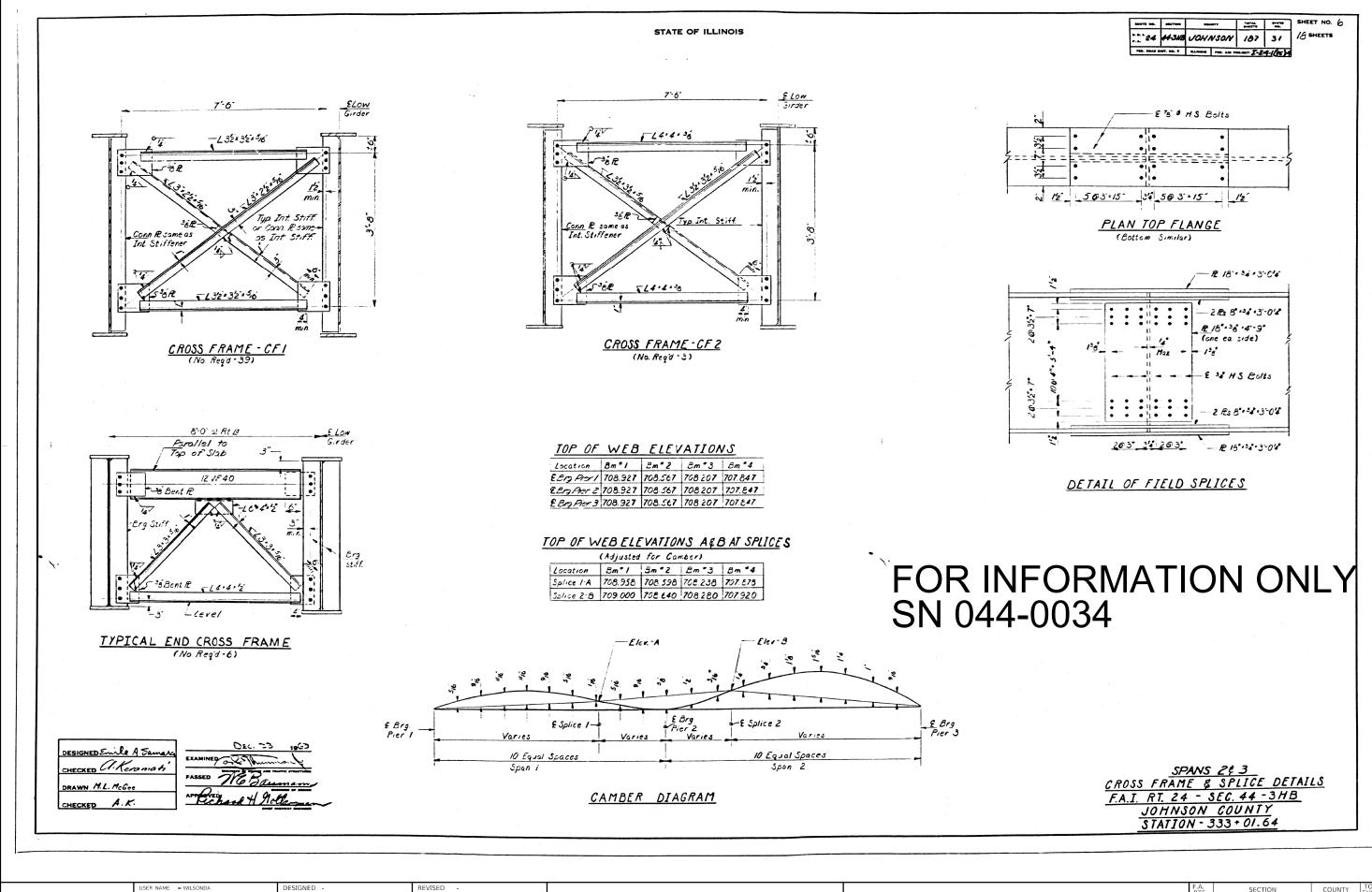
REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SN 044-0034

F.A. SECTION COUNTY TOTAL SHEETS NO.

VAR D9 BRIDGE PAINT 2021-1 VARIOUS 71 67

CONTRACT NO. 78836



DRAWN

CHECKED -

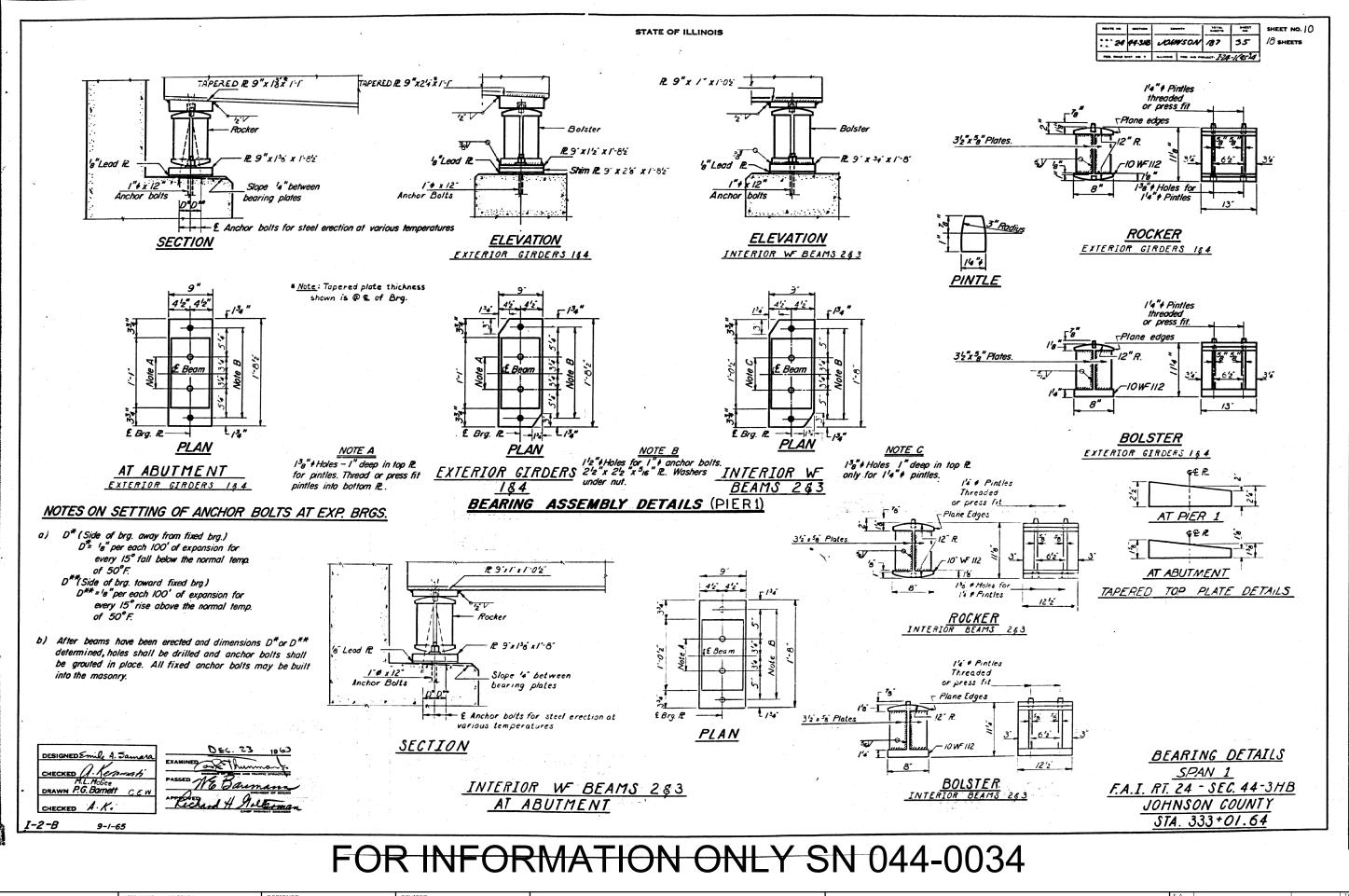
REVISED -

REVISED -

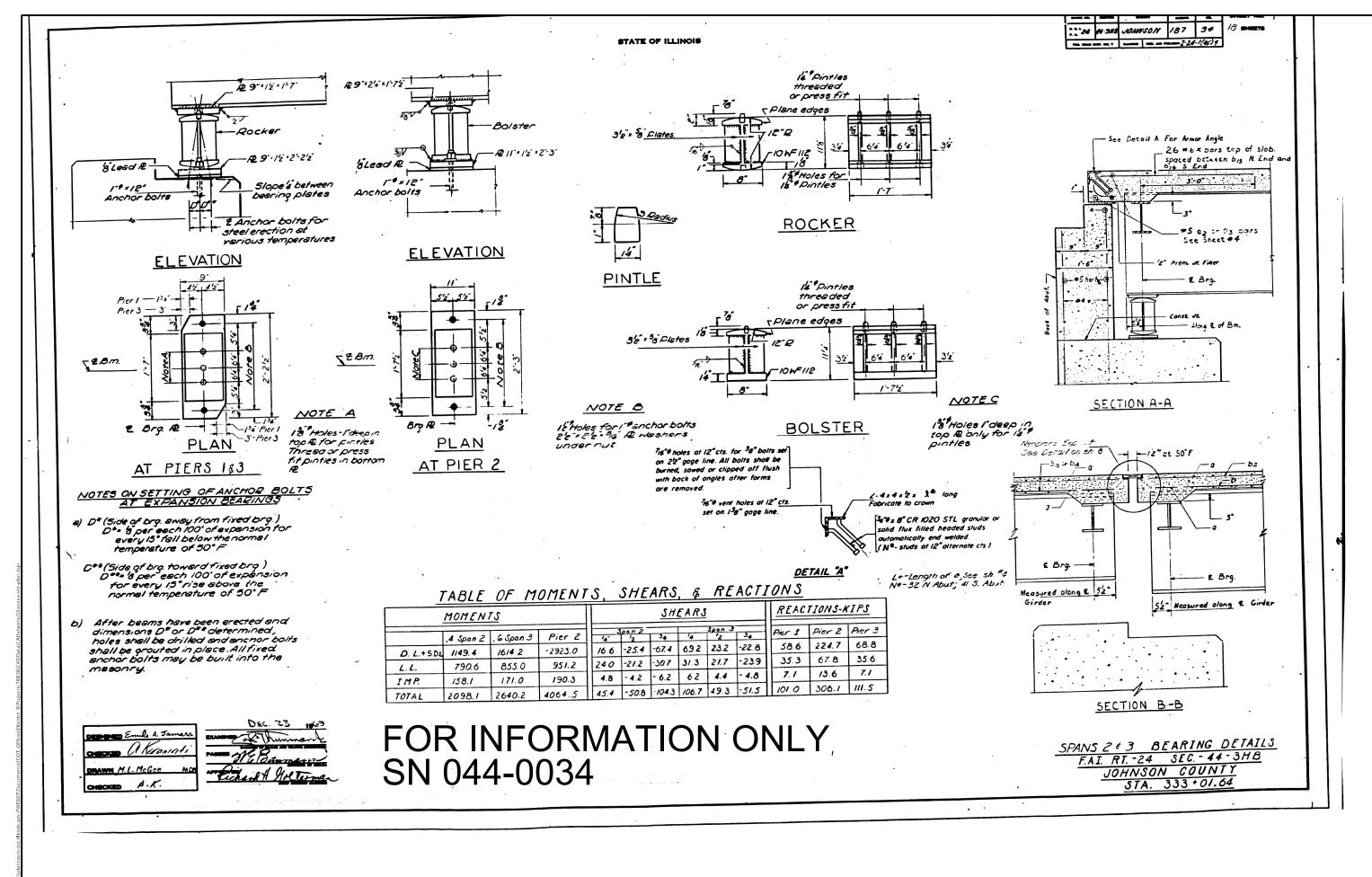
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 044-0034

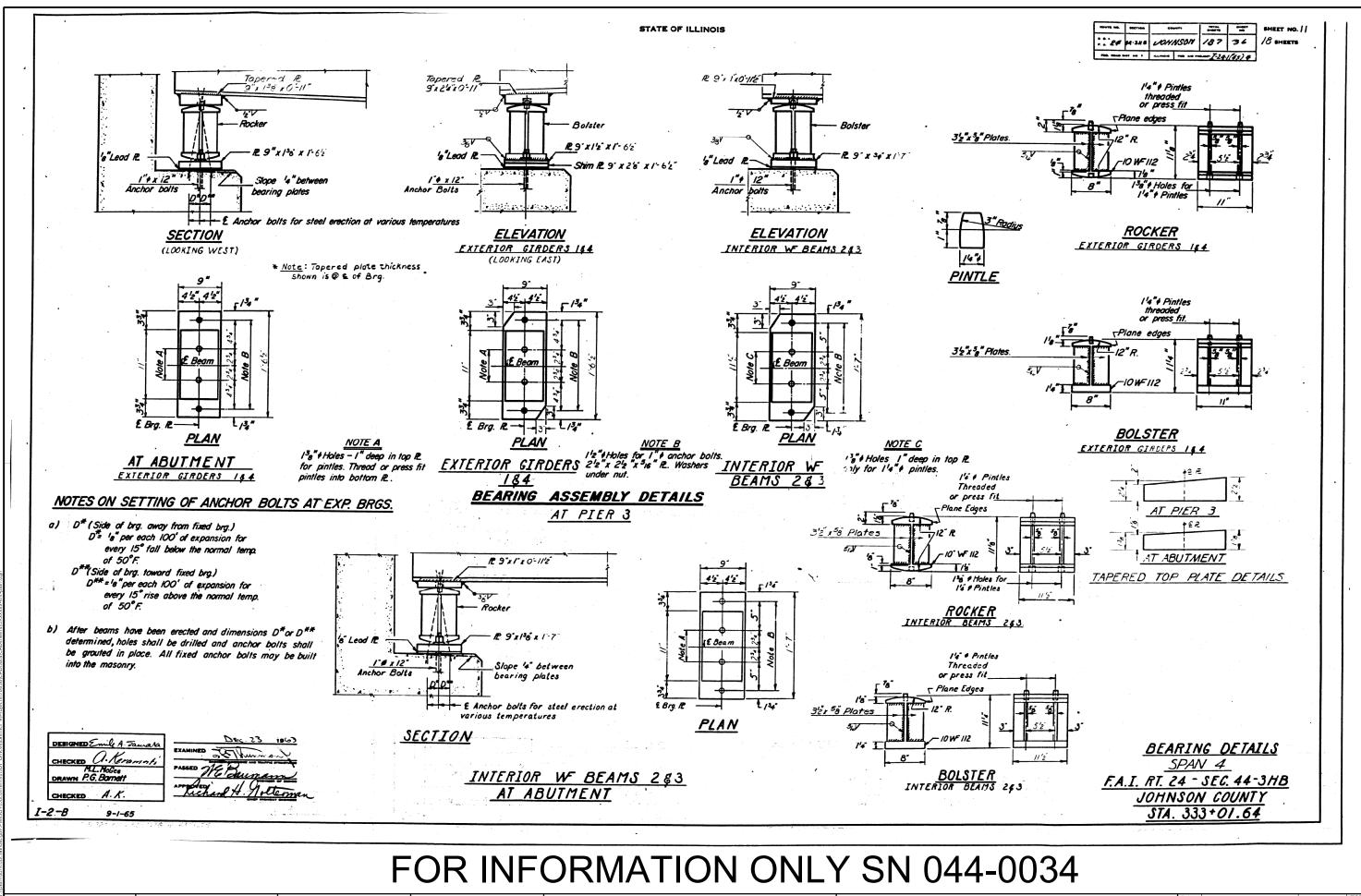
| NO. | NO.



USER NAME = WILSONDA	DESIGNED -	REVISED -							F.A.	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS SN 044-0034			SN 044-0034				D9 BRIDGE PAINT 2021-1	VARIOUS	71 69
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							CONTRAC	T NO. 78836	
PLOT DATE = 11/30/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. AI	D PROJECT	
11/30/2020	DATE -	KEVISED -	I	JCALL.	JIILLI	01	SHEETS STA	10 314.		ILLINOIS FED. AI	D PROJECT	



USER NAME = WILSONDA	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION							F.A. RTF	SECTION	COUNTY	TOTAL	SHEE
	DRAWN -	REVISED -	STATE OF ILLINOIS			SIN	N 044-0034			VAR	D9 BRIDGE PAINT 2021-1	VARIOUS	71	70
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRACT	NO. 78	8836
PLOT DATE = 11/30/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA	Α.	TO STA.		ILLINOIS FED. A	D PROJECT		



							SECTION	COUNTY	SHEETS	NO.
STATE OF ILLINOIS					SN 044-0034					71
DEPARTMENT OF TRANSPORTATION							CONTRACT	NO. 788	36	
	SCALE: SHEET	OF	SHEETS	S STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		
		DEPARTMENT OF TRANSPORTATION	STATE OF ILLINOIS SI DEPARTMENT OF TRANSPORTATION	STATE OF ILLINOIS SN 044-0 DEPARTMENT OF TRANSPORTATION	STATE OF ILLINOIS SN 044-0034  DEPARTMENT OF TRANSPORTATION	STATE OF ILLINOIS SN 044-0034  DEPARTMENT OF TRANSPORTATION	STATE OF ILLINOIS  DEPARTMENT OF TRANSPORTATION  SN 044-0034  VAR	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS SN 044-0034 VAR D9 BRIDGE PAINT 2021-1	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS SN 044-0034 VAR D9 BRIDGE PAINT 2021-1 VARIOUS CONTRACT	STATE OF ILLINOIS SN 044-0034 DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS SN 044-0034 VAR D9 BRIDGE PAINT 2021-1 VARIOUS 7.1 CONTRACT NO. 788