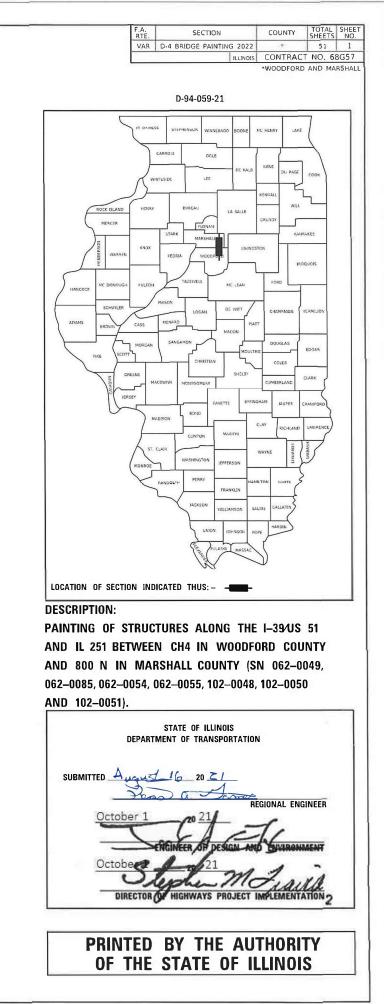
11–5–2021 LETTING ITEM 040 INDEX OF SHEET	STATE OF ILLINOIS
1. COVER SHEET	DEPARTMENT OF TRANSPORTATION
2. GENERAL NOTES	
3–4. SUMMARY OF QUANTITIES 5. LINE DIAGRAM	
6. SCHEDULE OF QUANTITIES	
7–51. EXISTNG PLAN SHEET – REFERENCES	PROPOSED
	HIGHWAY PLANS
HIGHWAY STANDARDS	
000001–08 701201–05	FAI 39, FAS 253 (I–39/US 51, IL 251)
701001–02 701321–18	SECTION D4 BRIDGE PAINTING 2022
701006–05 701400–10	PROJECT STP-9SVU(809)
701101–05 701402–12	BRIDGE PAINTING
701106–02 701901–08	
	WOODFORD & MARSHALL COUNTIES
	C-94-080-21
	LOCATION 3
ROADWAY CLASSFICATION:	LOCATION 1 SN 062-005
FUNCTIONAL CLASS I-39 INTERSTATE; IL 251 MAJOR COLLECTOR	SN 062-0085
SN 062-0049 ADT(2019) = 15800; SU = 3.16%; MU = 36.7%	LOCATION 4 SN 062-005-
SN 062–0085 ADT(2019) = 800; SU = 3.75%; MU = 1.62%	
SN 062–0054 ADT(2019) = 15700; SU = 3.98%; MU = 35.67%	
SN 062-0055 ADT(2019) = 15700; SU = 3.98%; MU = 35.67% SN 102-0048 ADT(2019) = 15300; SU = 3.98%; MU = 35.67%	LOCATION 5
SN $102-0050$ ADT $(2019) = 15300$; SU = 3.36%; MU = 35.07% SN $102-0050$ ADT $(2019) = 15800$; SU = 3.16%; MU = 36.7%	SN 062-005
SN 102–0051 ADT(2019) = 15800; SU = 3.16% MU = 36.7%	
100' 200' 300' 1''= 100'	LOCATION 6
0 10 [°] 20 [°] 30 [°] 1 ^{°°} = 10 [°]	Werona SN 102-004
0 50' 100'	LOCATION 2
1 = 40 50° 100° $-1^{\circ} = 30^{\circ}$	SN 062-0049
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.	
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS	
1-800-892-0123 OR 811	
	SN 102-005
PROJECT ENGINEER: NICOLE FAYANT 309–671–3454 PROJECT MANAGER: ARLENE OTERO–FEBUS 309–671–3462	LOCATION 8 SN 102-005
CONTRACT NO. 68G57	
CUNINACI NU. UQUJ/	

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REV. 9/14/21

GENERAL NOTES

ALL AREAS INDICATED ON THE PLANS SHALL BE PAINTED WITH THE PAINT SYSTEM 1-02/E/U. ALL BEAMS, BRACKETS AND ALL OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE METAL BLASTED CLEANING SSPC-SPIO.

PROJECT SPECIFIC NOTES

DO NOT SCALE PLANS FOR CONSTRUCTION MEASUREMENTS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND MAKE NECCESARY APROVED ADJUSTMENTS PRIOR TO **ORDERING OF MATERIALS, SUCH VARIANTIONS SHALL NOR BE** CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE.

LOCATION 1 SN 062-0085: 10 FT OF ALL BEAM ENDS. LOCATION 2 SN 062-0049: PAINT ENTIRE STRUCTURE. LOCATION 3 SN 062-0053: PAINT ENTIRE STRUCTURE. LOCATION 4 SN 062-0054: PAINT ENTIRE STRUCTURE. LOCATION 5 SN 062–0055: PAINT ENTIRE STRUCTURE. LOCATION 6 SN 102–0048: PAINT ENTIRE STRUCTURE. LOCATION 7 SN 102–0050; PAINT ENTIRE STRUCTURE. LOCATION 8 SN 102–0051: PAINT ENTIRE STRUCTURE.

ALL FASCIA BEAM SHALL BE RED BROWN (MUNSELL NO. 2.5YR 3/4 AND THE BEAMS UNDERSIDES SHALL BE A LIGHT GRAY (MUNSELL 5B 7/1).

COOPERATION WITH OTHER CONTRACTORS A COOPERATIVE EFFORT IS REQUIRED WITH OTHER CONTRACTORS IN **COORDINATING TRAFFIC CONTROL SIGNING, TRAFFIC MANAGEMENT** AND PROGRESSION, AND WORK AT OR NEAR THE PROJECT.

COMMITMENTS

USER NAME = \$USER\$	DESIGNED -	REVISED -								F.A. BTE	SECTION	COUN	Y TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS			GENE	RAL NO	TES		VAR D-4	BRIDGE PAINTING 2)22 *	51 2
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONT	ACT NO. 68G57
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS	D. AID PROJECT	

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

^{*}WOODFORD AND MARSHAL

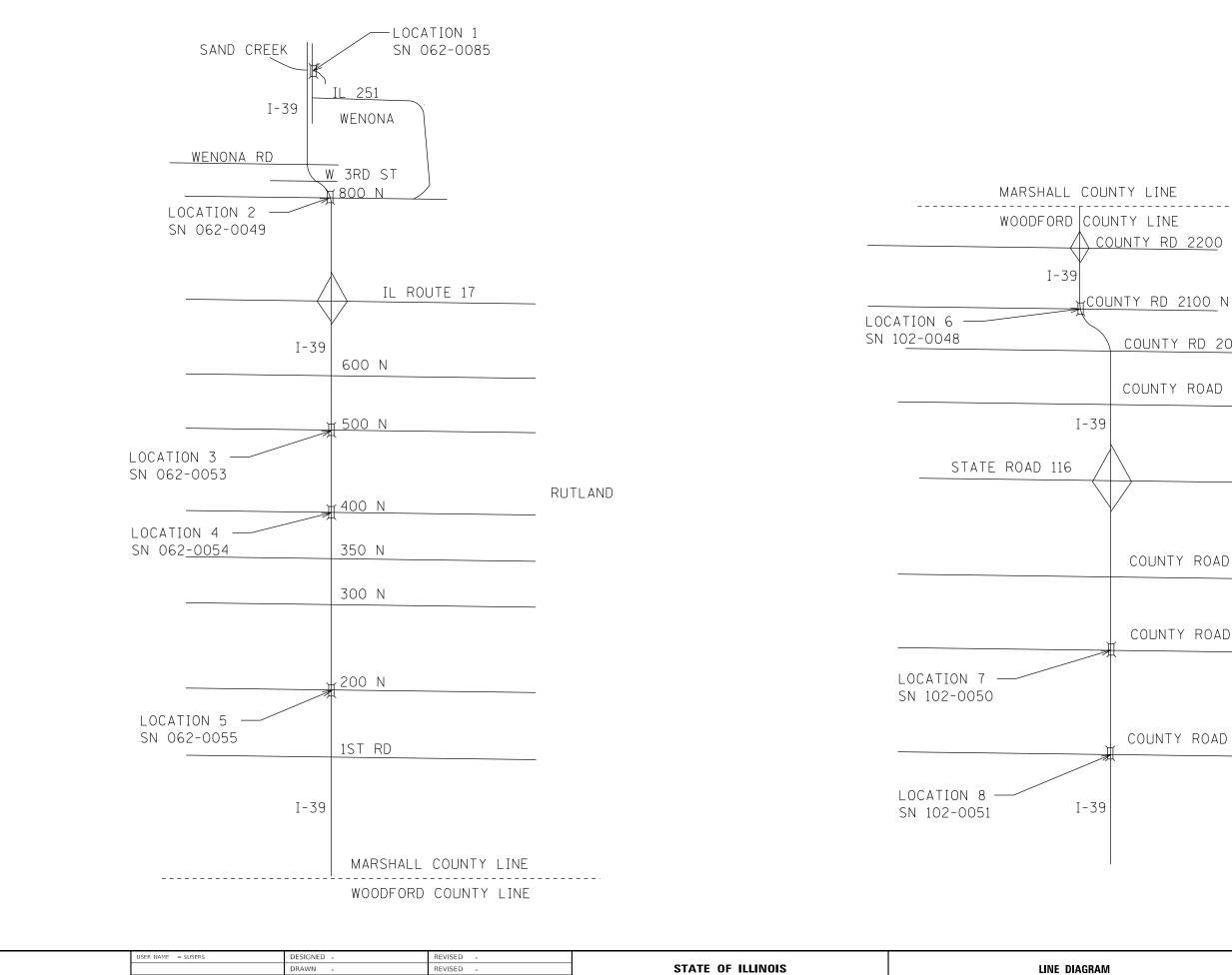
CODE NO .	ITEM
<u>N</u> O.	
67100100	MOBILIZATION
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS
70107025	CHANGEABLE MESSAGE SIGN
70400100	TEMPORARY CONCRETE BARRIER
70400200	RELOCATE TEMPORARY CONCRETE BARRIER
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1
X5060602	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 2
 X5060603	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 3
X5060604	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 4
X5060605	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 5
XEOG260C	CONTAINMENT AND DISDOSAL OF NON LEAD DAINT OF FAMILIC DESIDUES NO. C
X5060606	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 6

USER NAME = \$USER\$	DESIGNED -	REVISED -						
	DRAWN -	REVISED -	STATE OF ILLINOIS		SU	MMARY	OF QU/	A
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 1	OF 2	SHEETS	1

			CONSTRUC	TION CODE	
			80% FED 20% STATE	80% FED 20% STATE	
			BRIDGE	BRIDGE	
			MARSHALL	WOODFORD	
		TOTAL	0047	0047	
	UNIT	QUANTITY	RURAL	RURAL	
	L SUM	1	0.6	0.4	
	EACH	7	4	3	
	EACH	1	1		
	EACH	2	2		
	CAL DA	112	70	42	
	CAL DA		, 0	74	
	FOOT	4198	2573	1625	
	FOOT	7920	4670	3250	
	EACU			2	
	EACH	9	6	3	
	EACH	16	10	6	
	19-18-18-18-18-18-18-18-18-18-18-18-18-18-				
	L SUM	1	1		
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	L SUM	1	1		
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	L SUM	1		1	
	2 3011			-	
	NTITIES		F.A. RTE	SECTION	COUNTY TOTAL SHEET SHEETS NO.
		TO CTA	VER D-4 I	BRIDGE PAINTING 2022	CONTRACT NO. 68G57
HEETS	δΤΑ.	TO STA.		ILLINOIS FED. 1.9/28/21 * ^{M/}	AID PROJECT
			KEV	. 7/20/21	

ITEM		Γ	80% FED 20% STATE BRIDGE	80% FED 20% STATE
ITEM		[BRIDGE	
ІТЕМ				BR I DGE
ITEM		TOTAL	MARSHALL	WOODFORD
	UNIT	TOTAL QUANTITY	0047 RURAL	0047 RURAL
CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 7	L SUM	1		1
CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 8	LSUM	1		1
		-		-
CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1	
	_			
CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	1	
CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1	1	
CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1	1	
CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1	1	
CLEANING AND PAINTING STEEL BRIDGE NO. 6	L SUM	1		1
CLEANING AND PAINTING STEEL BRIDGE NO. 7	L SUM	1		1
				1
	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 8 CLEANING AND PAINTING STEEL BRIDGE NO. 1 CLEANING AND PAINTING STEEL BRIDGE NO. 3 CLEANING AND PAINTING STEEL BRIDGE NO. 4 CLEANING AND PAINTING STEEL BRIDGE NO. 5 CLEANING AND PAINTING STEEL BRIDGE NO. 6	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 8 L SUM CLEANING AND PAINTING STEEL BRIDGE NO. 1 L SUM CLEANING AND PAINTING STEEL BRIDGE NO. 2 L SUM CLEANING AND PAINTING STEEL BRIDGE NO. 3 L SUM CLEANING AND PAINTING STEEL BRIDGE NO. 4 L SUM CLEANING AND PAINTING STEEL BRIDGE NO. 5 L SUM CLEANING AND PAINTING STEEL BRIDGE NO. 6 L SUM CLEANING AND PAINTING STEEL BRIDGE NO. 6 L SUM CLEANING AND PAINTING STEEL BRIDGE NO. 7 L SUM	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 8 L SUM 1 CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 8 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 1 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 3 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 3 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 4 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 5 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 6 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 6 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 7 L SUM 1 CLEANING AND PAINTING STEEL BRIDGE NO. 7 L SUM 1	Image: State of the state

USER NAME = \$USER\$	DESIGNED -	REVISED -								F.A. BTE	SECTION	COUNTY	TOTAL SHE	ET
	DRAWN -	REVISED -	STATE OF ILLINOIS		S	UMMARY	(OF QU	IANTITIES		VER	D-4 BRIDGE PAINTING 2022	*	51 4	<u> </u>
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRACT	r NO. 68G5	7
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.		ILLINOIS FED. AID	PROJECT		_



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LOT SCALE = \$SCALE\$

PLOT DATE = \$DATE\$

CHECKED -

DATE

LINE DIAGR SCALE: SHEET 1 OF 1 SHEETS

DEPARTMENT OF TRANSPORTATION

VAR	D-4 BRIDGE PAINTING 2022	CONTRACT		
VAR	D-4 BRIDGE PAINTING 2022			
		*	51	5
F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	F.A. RTE	F.A. SECTION	F.A. SECTION COUNTY	F.A. SECTION COUNTY TOTAL RTE. SECTION COUNTY SHEETS.

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	COUNTY RD 2000 N
	COUNTY ROAD 1900 N
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	COUNTY ROAD 1700 N
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7	4

<u>County RD 2200</u> N



MOBILIZATION	
LOCATION	L SUM
JOBSITE	1

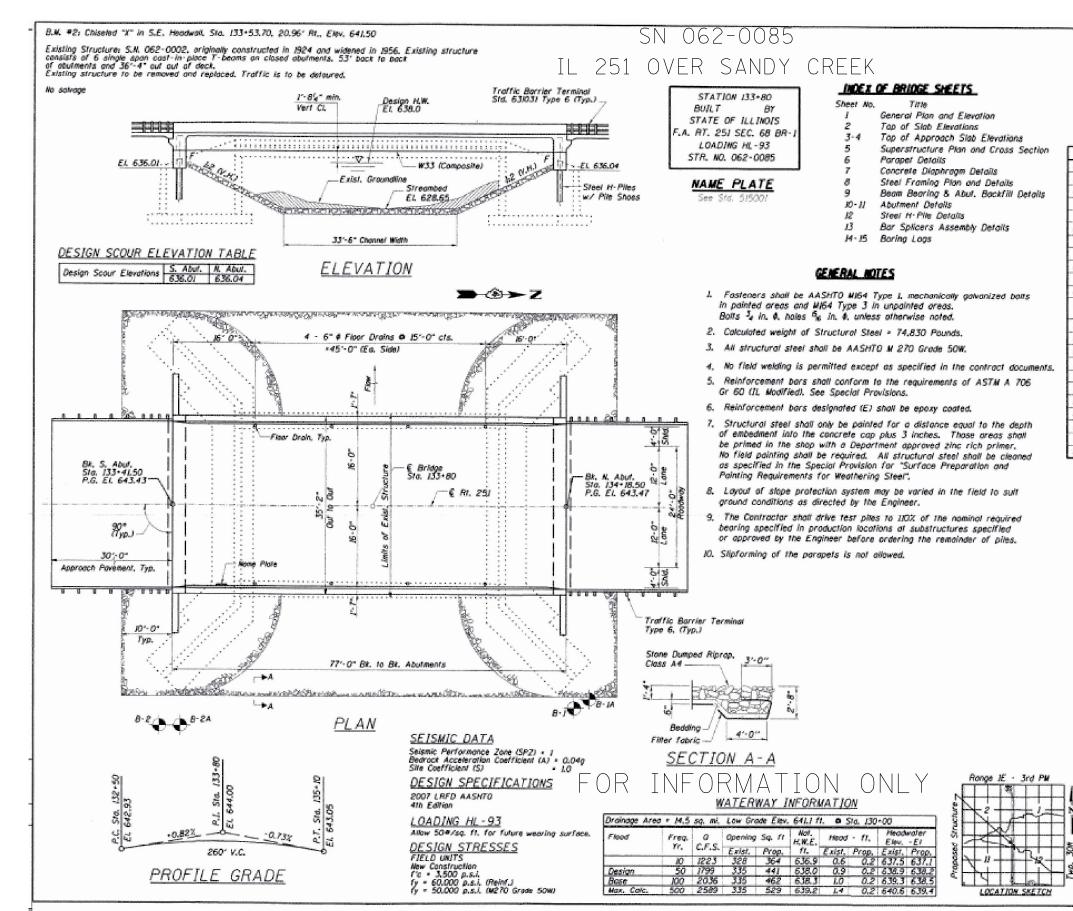
CHANGEABLE MESSA	JE SIGN
LOCATION	CAL DAYS
JOBSITE	112

	TRAFFIC CONTROL AND PROTECTION										
		a companyation concentrations					no arment an inclus incommend	TOTAL STOCK	and some my support the second to		
		LOCATION		STANDARD	STANDARD	TEMP	RELOCATE	IMPACT	IMPACT ATTN		
				701321	701402	CONCRETE	TEMP CONC	ATTENUATORS	RELOCATE		
NO.	STRUCTURE	FACILITY	FEATURE			BARRIER *	BARRIER	TEMP (NRD) TL3	(NRD) TL3		
	NO.	CARRIED	CROSSED	EACH	EACH	FOOT	FOOT	EACH	EACH		
1	062-0085	IL 251	Sandy Creek	1		477	477	2	2		
2	062-0049	TR 69C (800 N)	I-39		1	540	1081	1	2		
3	062-0053	CH 4 (500 N)	I-39		1	519	1038	1	2		
4	062-0054	FAS 369 (400 N)	I-39		1	519	1038	1	2		
5	062-0055	TR 121A (200 N)	I-39		1	518	1036	1	2		
6	102-0048	TR 41 (2100 N)	I-39		1	587	1174	1	2		
7	102-0050	TR 95 (1600 N)	I-39		1	519	1038	1	2		
8	102-0051	TR 103 (1500 N)	I-39		1	519	1038	1	2		
		TOTAL		1	7	4198	7920	9	16		
* Using Te	mporary Concrete Barrie	er on passing lane with l	ane closure on the passi	ng Lane of the opposite	direction						

-				
	LOCATION	STRUCTURE	CLEANING AND PAINTING	CONTAINMENT & DISPOSAL
	NO	NO	STRUCTURAL STEEL	NON-LEAD RESIDUES
			LSUM	LSUM
	1	062-0085	1	1
	2	062-0049	1	1
	3	062-0053	1	1
	4	062-0054	1	1
	5	062-0055	1	1
	6	102-0048	1	1
	7	102-0050	1	1
	8	102-0051	1	1
	TC	DTAL	8	8

DEL: SMODELNAN E NAME: SFILELS

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	DRAWN -	REVISED -						VAR	BRIDGE PAINTING 2022	*	51 6
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							COUNTY TOTAL SHEETS SHEET NO. * 51 6 CONTRACT NO. 68G57 ND PROJECT	
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: SHEET 1 OF 1		OF 1 SHEETS STA.	TO STA.		ILLINOIS FED. AID	D PROJECT	
•			•		· · ·				* 1400		WOODFORD



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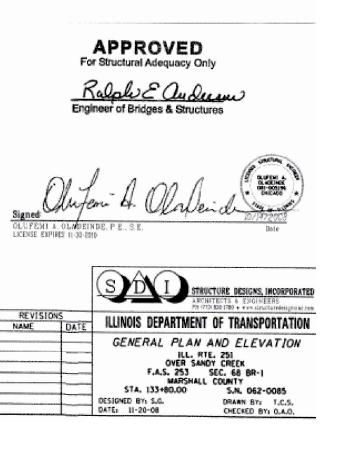
PLOT SCA	USER NAME = \$USER\$	DESIGNED -	REVISED -		LOCATION 1 SN 062-0085 Plan & Elevation view			F.A. BTE	SEC	TION	COUNTY	TOTAL SHI	ET			
		DRAWN -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SCALE							D-4 BRIDGE	AINTING 2022	*	51 7	1	
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -								CONTRACT NO		7			
	PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 1	OF 5	SHEETS	STA.	TO STA.			ILLINOIS FED. AIL	D PROJECT		
													•	WOODFORD AND	MARSHALL	

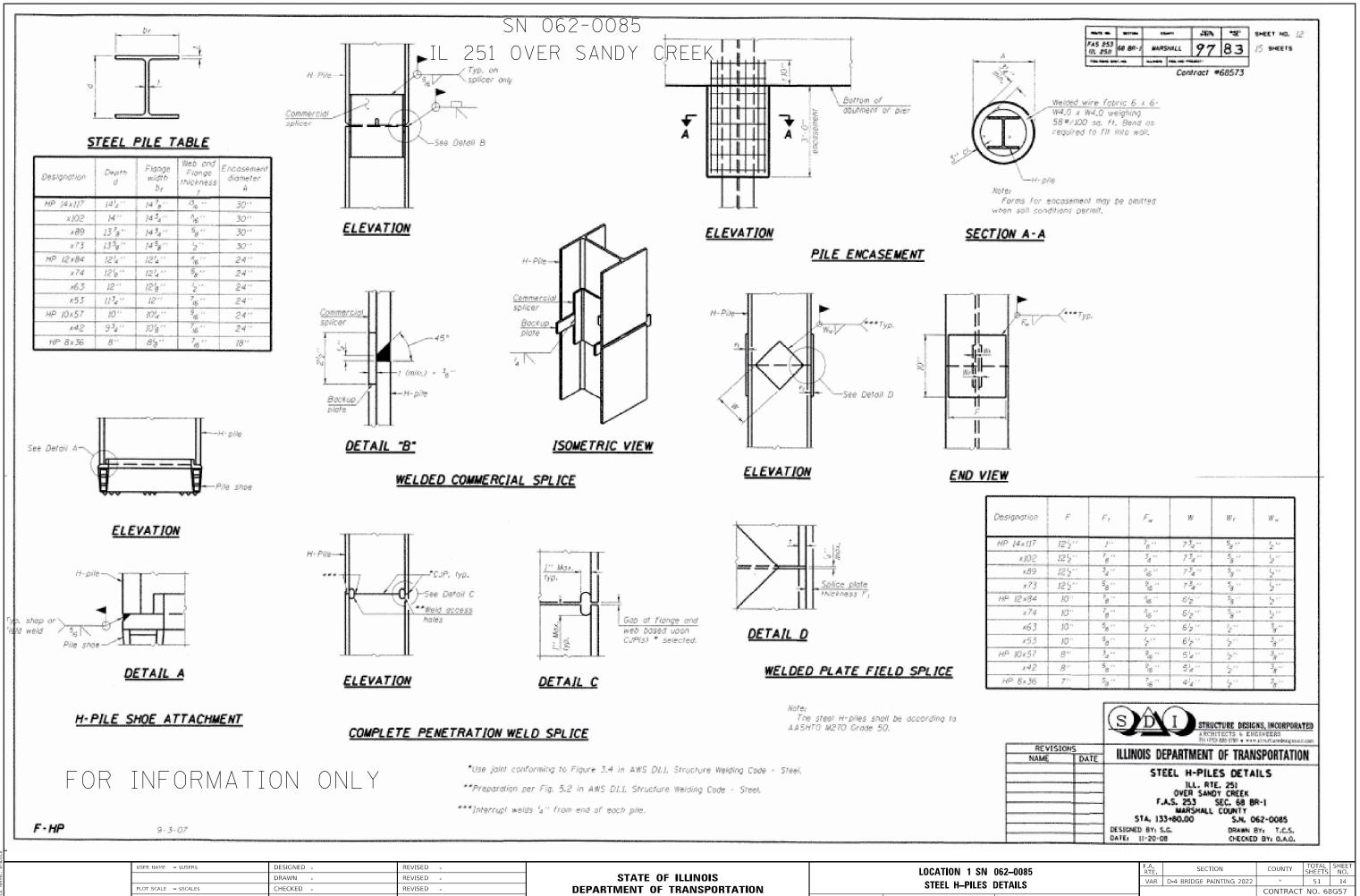
MANYS INC.	-	-	Learns	455	-2.	SHEET NO.
FAS 253 (0. 251)	60 BR·1	MAR:	59977	97	72	15 546815
	1.44	Autors.				1

Contract #68573

TOTAL BILL OF MATERIAL

ITEM	UNITS	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		97	97
Stone Dumped Riprop. Class A4	Ton	•	820	820
Filter Fabric	Sq. Yd.	1	891	891
Removal of Existing Structures No. 2	Each	-	-	1
Structure Excavation	Cu. Ya.	•	340.6	340.6
Floor Drains	Each	8	-	8
Concrete Structures	Cu. Yd.	-	30.4	30,4
Concrete Superstructure	Cu. Yd.	HL8		111.8
Bridge Deck Grooving	Sq. Yd.	257	-	257
Concrete Encosement	Cu. Yd.		4.8	4.8
Protective Cost	Sq. Yd.	339		339
Furnishing and Erecting Structural Steel	L. Sum	,		,
Stud Shear Connectors	Each	1.026	-	1.026
Reinforcement Bars, Epoxy Coated	Pound	21,700	3.880	25,580
Bor Splicers	Each	64	-	64
Furnishing Steel Piles HP12x53	Foot	-	336	336
Driving Piles	Foot		336	336
Test Pile Steel HPI2x53	Each		2	2
Pile Shoes	Each	-	М	14
Nome Plates	Each	1		1
Anchor Bolls, I*	Each	-	24	24
Geocomposite Wall Drain	Sq. Yd.		66	66
Pipe Underdrains for Structures 4"	Foot	-	134	134





PLOT DATE = \$DATE\$

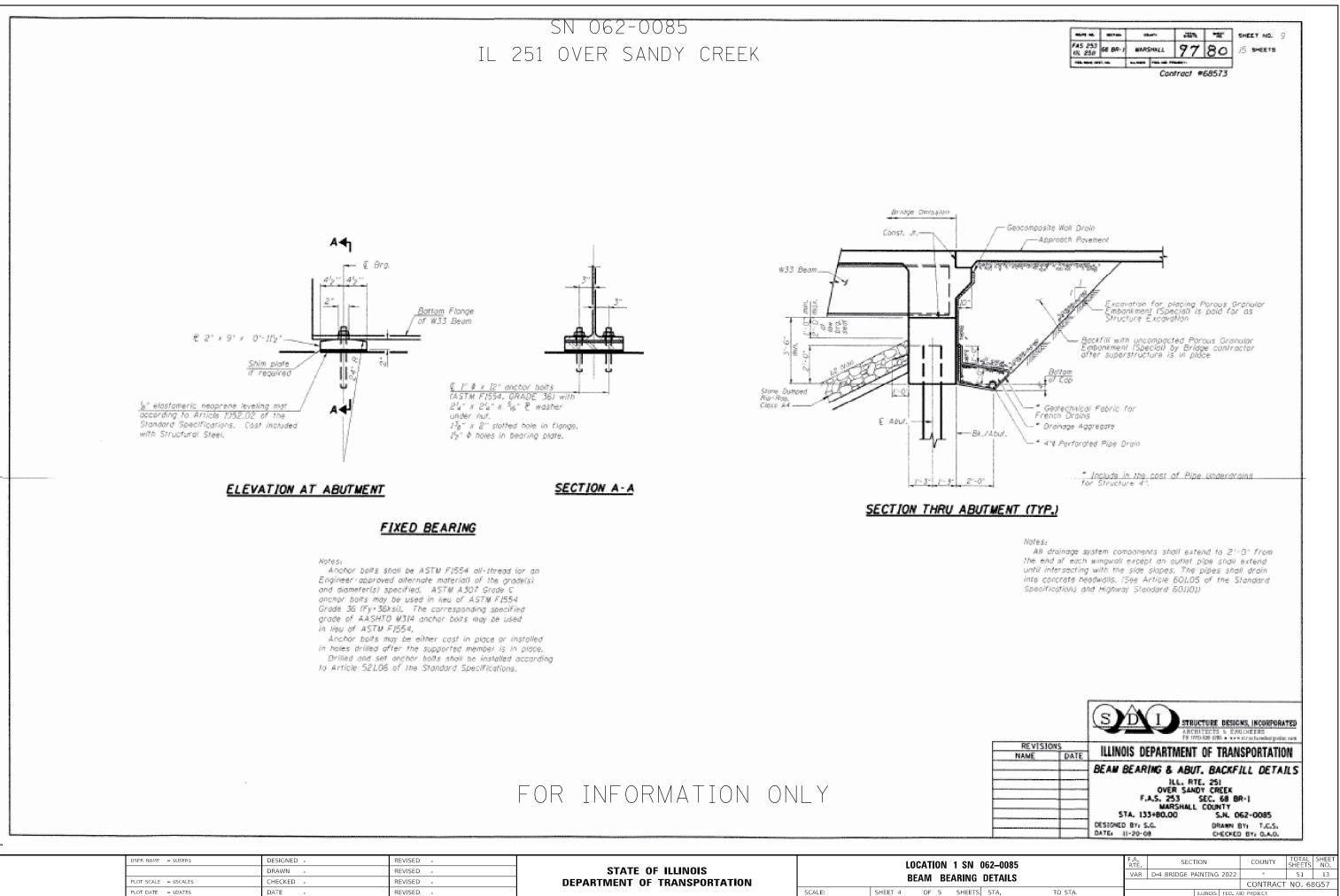
DATE

REVISED

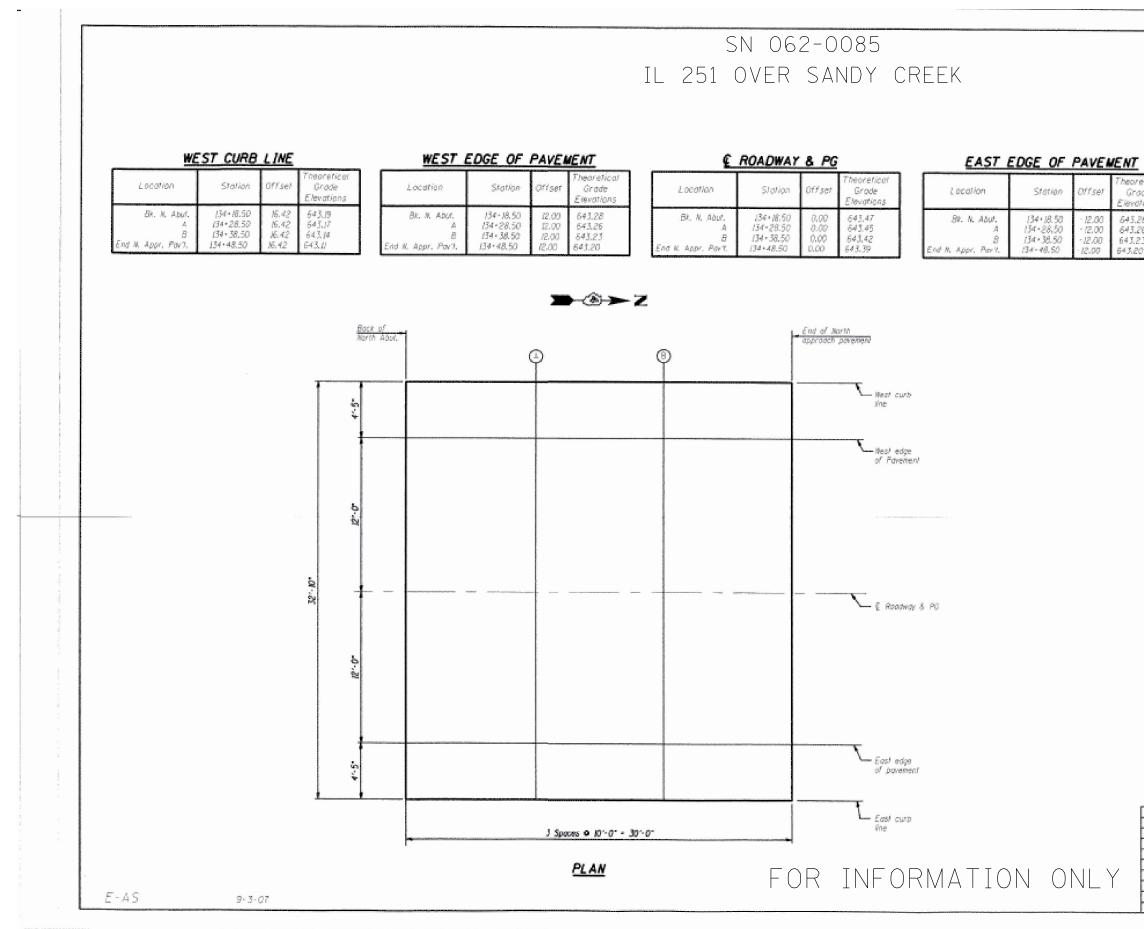
OF 5 SHEETS STA. SHEET 5

SCALE:

TO STA.



[.]WOODFORD AND MARSHALL



USER NAME = \$USER\$ DESIGNED - ReviseD - Revis	 										
DRAWN REVISED STATE OF ILLINOIS PLOT SCALE # SCALES CHECKED CHECKED VAR D4 BRIDGE PAINTING 2022 * 51 12 DEPARTMENT OF TRANSPORTATION DEPARTMENT OF TRANSPORTATION DEPARTMENT OF TRANSPORTATION CONTRACT NO. 5807	USER NAME = \$USER\$	DESIGNED -	REVISED -			LOCATION 1 SN 06	2_0085	F.A. BTE	SECTION	COUNTY	TOTAL SHEET
POINT SALE = SOLLES CHECKED - KEVISED - CONTRACT NO. 68657		DRAWN -	REVISED -	STATE OF ILLINOIS				VAR	D-4 BRIDGE PAINTING 2022	*	
PLOT DATE = \$DATES DATE AD REVISED - AD REVI	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	ELANANANO DIANI VAR D-4 BRIL		CONTRAC	T NO. 68G57			
	PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 3 OF 5 SHEETS	STA. TO STA.		ILLINOIS FED.	AID PROJECT	

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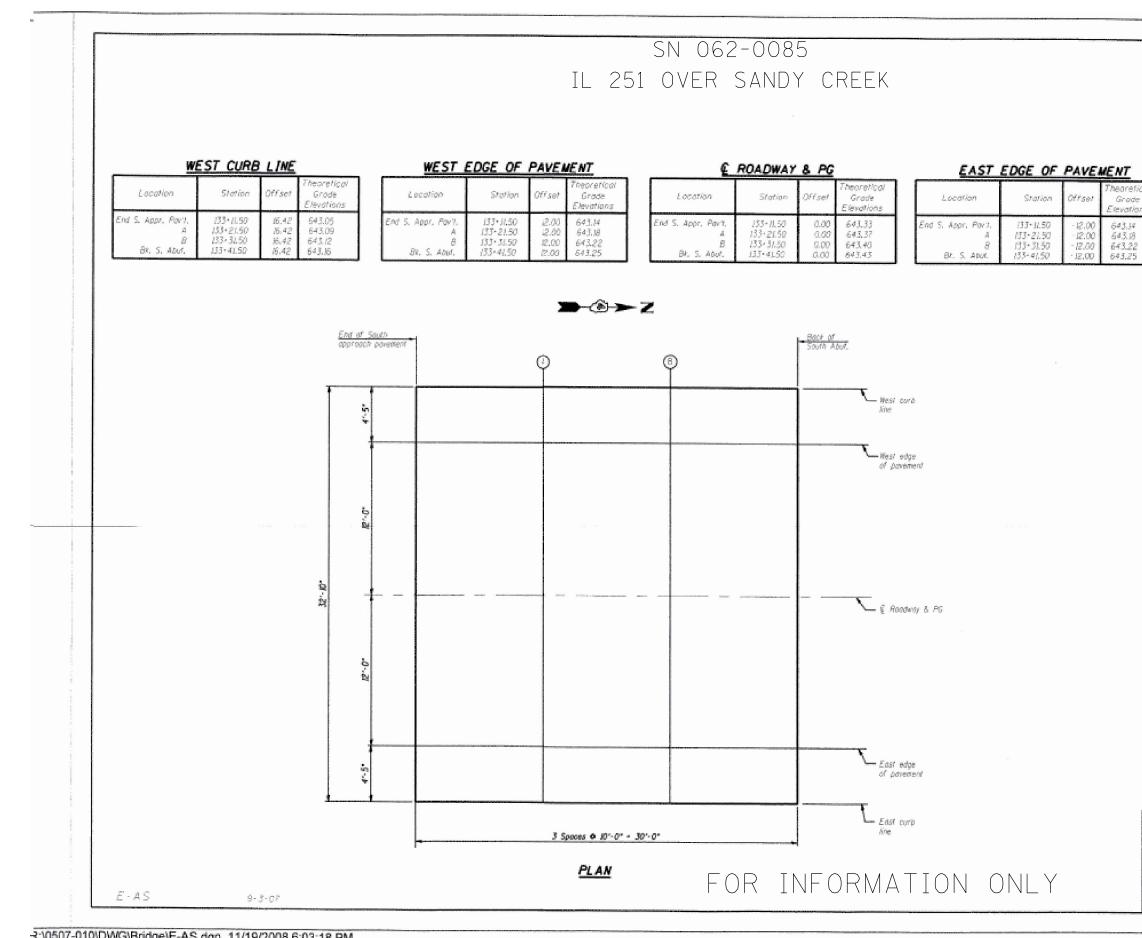
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FAS 253 (01 250	68 BN-1	MARSHIEL		97	75	15 9
	18.000	14.000		-		
			a second second		and the second se	

Contract #68573

'set	Theoretical Grade Élevations	
2.00 2.00 2.00 90	643.28 643.26 643.23 643.20	

<u>E/</u>	AST CURB	LINE	
Location	Station	Offset	Theoretical Grade Elevations
BY, K. Abud, A B End M. Appr. PovY,	134+18.50 134+28.50 134+38.50 134+48.50	- 15.42 - 15.42 - 16.42 - 16.42	643.19 643.17 643.14 643.11

			Structure designs, incorporates	· I.
	REVISIO	DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION	
Y			TOP OF NORTH APPROACH SLAB ELEVATIONS ILL. RTE. 251 OVER SAMOY CREEK F.A.S. 253 SEC. 68 BR-1 MARSHALL COUNTY	
		_	STA. 133+80.00 S.N. 062-0085 DESIGNED BY1 S.G. DRAWN BY2 T.C.S. DATE: 11-20-08 CHECKED BY2 D.A.O.	



2:\0507-010\DWG\Bridge\E-AS	dan 11/19/2008 6:03:18 PM	

USER NAME = \$USER\$	DESIGNED -	REVISED -			100	CATION	1 SN	062–0085		F.A.	SECTION	COUNT	Y TOTA	AL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		200	FLAM				VAR	D-4 BRIDGE PAINTING 202	22 *	51	i 11
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			FLAIM	VIING P	2LAN			1	CONTR	ACT NO.	68G57
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 3	OF 5	SHEETS	STA.	TO STA.		ILLINOIS FEE	. AID PROJECT		

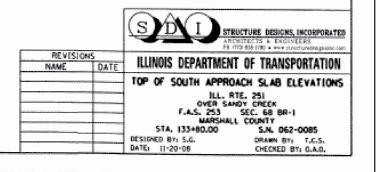
SHEET NO. 3

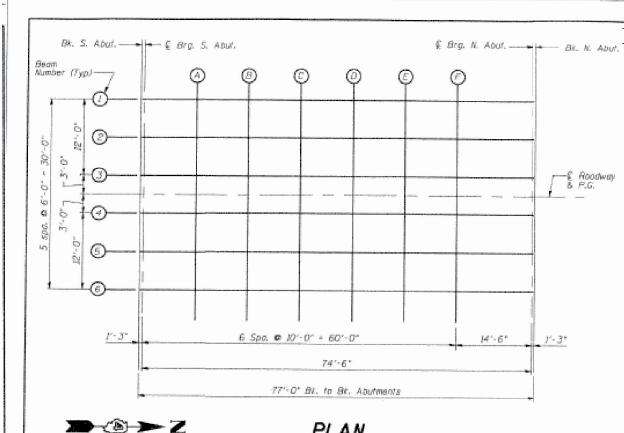
45.41 HD. 4011-044		-			-35.	SHEET N	a.
FAS 253 (0. 160	68 BA-1	10.01	SHORE &	97	74	15 \$400	75
	A.46	-	785.48 P	15.8F1.			
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Contract #68573

hearetica Grade levations

EA	ST CURB	LINE	
Location	Station	Orrset	Theorehical Grade Elevations
End S. Appr. Pov?, A B Bit, S. Abur.	133+11.50 133+21.50 133+31.50 133+41.50	- 16,42 - 16,42 - 16,42 - 16,42	643.05 643.09 643.12 643.16





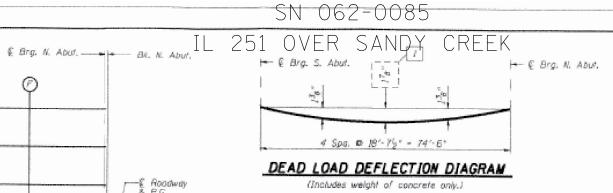
PLAN

Location	Station	Offsol	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BR. S. Abut.	133+41.50	<i>IS.00</i>	643.18	643.16
€ Brq. 5. Abut. A B C D F	133+42,75 133+52,75 133+62,75 133+62,75 133+82,75 133+82,75 133+92,75 134+02,75	15.00 15.00 15.00 15.00 15.00 15.00 15.00	643.19 643.21 643.23 643.24 643.24 643.25 643.25 643.25	543.19 543.28 543.35 643.39 643.41 643.41 643.38 643.33
€ Brg. N. Abut. BR. N. Abut.	134 • 17.25 134 • 18.50	15.00 15.00	643.22	643.22 643.22

BEAN 2

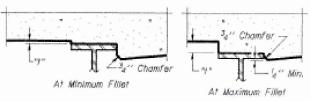
Location	Station	Offset	Theorefical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection		
Bk. S. Abut. € Brg. S. Abut. A B C D E F. € Brg. N. Abut.	133+41.50 133+42.75 133+52.75 133+62.75 133+62.75 133+82.75 133+82.75 133+92.75 134+02.75 134+02.75	9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.00	643.29 643.30 643.32 643.34 643.35 643.36 643.36 643.35 643.35	643.29 643.30 643.39 643.50 643.52 643.52 643.44 643.44 643.33		
Bk. K. Abut.	134 • £1.50 11 - 1 - 06	9.00	643.33	643.33	FOR	INFOR

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Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "T". After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slob thickness, equals the fillet heights "7" above top flange of beams.

FILLET HEIGHTS

Location	Station	Offsat	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Deod Load Deflection
Bt. S. Abut.	133+41.50	3.00	643.39	643.39
€ Brg. 5. Abut, A B C D F F	153+42,75 153+52,75 153+62,75 153+72,75 153+82,75 153+82,75 153+92,75 154+02,75	3.00 3.00 1.00 1.00 1.00 1.00 1.00	643,39 643,41 643,43 643,44 643,44 643,45 643,45 643,44	643.39 643.48 643.60 643.60 643.61 643.59 643.59
€ Brg. N. Abut. Bk, N. Abut.	134+17.25 134+18.50	1.00 3.00	643.42 643.42	643.42 643.42

E ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Deal Load Deflection
Bk. S. Abut.	133+41.50	0.00	643.43	643.43 1
€ Brg. 5. Abyl. 4 8 0 5 5 5	133+42,75 133+52,75 133+62,75 133+72,75 133+82,75 133+82,75 133+92,75 134+02,75	0.00 0.00 0.00 0.00 0.00 0.00 0.00	643.44 643.46 643.48 643.49 643.50 643.50 643.50 643.49	643.44 643.53 643.60 643.64 643.64 643.65 643.63 643.58
€ Brg. N. Abul. Bi. N. Abul.	134+17,25 134+18,50	0.00 0.00	643.47 643.47	643.47 643.47

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	DRAWN -	REVISED -	STATE OF ILLINOIS					
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		:	STEEL H-	PILES	DETAI
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 5	OF 5	SHEETS	STA.

	FAS 2	87	BARSHALL	97 73	8-621 NO. 15 \$46876
		BEAN	4 Con	tract #68573	ב
Location	Station	Off set	Theorefical Grade Elevations	Theoretical Elevatio Adjusted Fo Load Defic	ns r Dead
BR. S. Mbur. € Brg. S. Abur. A C B C F	173+41.50 173+42,75 173+52,75 173+62,75 173+82,75 173+82,75 173+82,75 173+92,75	-3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00	643.39 643.39 643.41 643.43 643.44 643.45 643.45 643.45 643.45	643.39 643.49 643.45 643.55 643.60 643.61 643.61 643.59 643.54	
€ Brg. N. Abul. Bit. N. Abul.	134 • 17.25 134 • 18.50	3.00 -3.00	643.42 1 643.42	643.42 643.42	

BEAM 5

Location	Station Offset		Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	133+41.50	-9,00	643.29	643.29
€ Brg. S. Abut. A B C D F	133+42,75 133+52,75 133+62,75 133+62,75 133+82,75 133+82,75 133+92,75 134+02,75	-9.00 -9.00 -9.00 -9.00 -9.00 -9.00 -9.00	643.30 643.32 643.34 643.36 643.36 643.36 643.35	643.30 643.39 643.46 643.50 643.52 643.49 643.49
€ Brg. N. Abul. BK. N. Abyl.	134 + 17.25 134 - 18.50	-9.00 -9.00	643.33 643.33	643.33 643.33

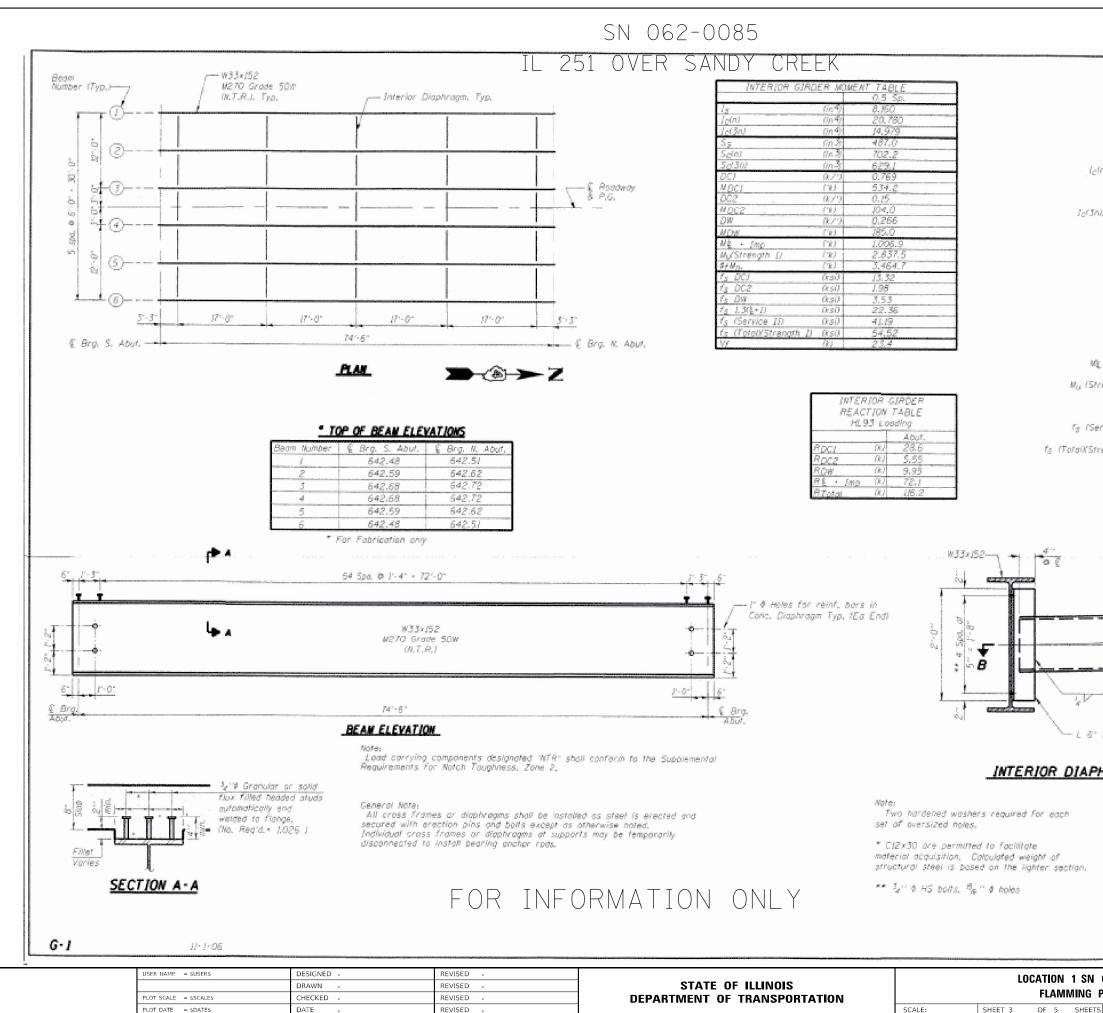
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Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BR, S. Abur.	133+41.50	·15.00	64.I.B	643.18
€ Brg. S. Abul. A B C D F F	133+42,75 133+52,75 133+62,75 133+72,75 133+82,75 133+92,75 134+02,75	- 15.00 - 15.00 - 15.00 - 15.00 - 15.00 - 15.00	643.21 643.23 643.24 643.25	643.19 643.28 643.35 643.39 643.41 643.38 643.33
€ Brg. N. Abul. BK. N. Abul.	134+17.25 134+18.50	- 15.00 - 15.00	643.22 643.22	643.22 643.22



REVISIONS TOP OF SLAB ELEVATIONS ILL. RTE. 251 OVER SANDY CREEK F.A.S. 253 SEC. 68 BR-1 MARSHALL COUNTY STA. 133+80.00 S.N. 062-0085 DESIGNED BY: S.C. DATE: 11-20-08 DRAWN BY: T.C.S. CHECKED BY: D.A.O.

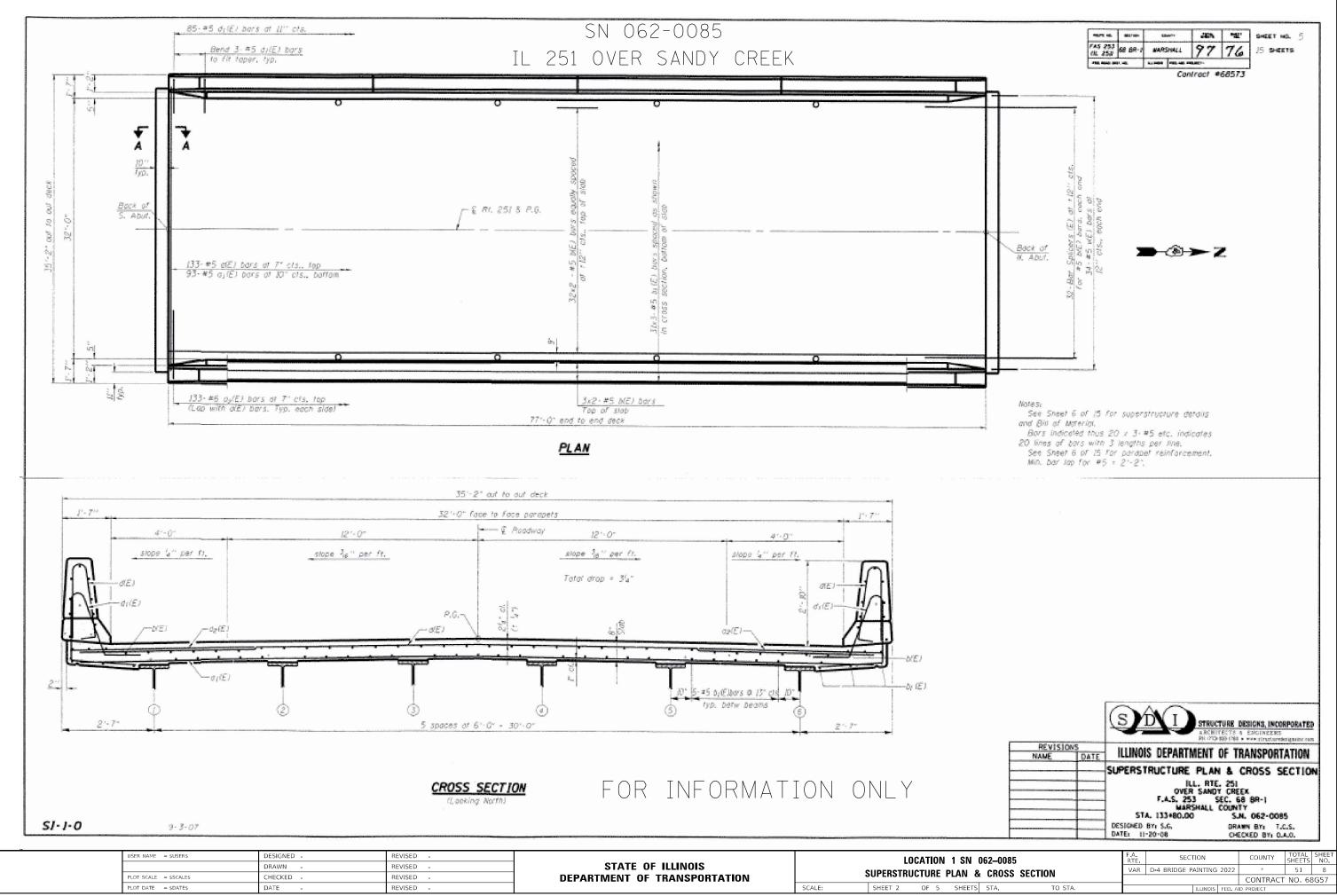
062–0085 DETAILS		F.A. RTE	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.		
		VAR	D-4	BRIDGE	PAINTING	i 2022	*	51	10	
DETAILS								CONTRACT	NO. 68	3G57
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SHEET 3 OF 5 SHEETS STA.

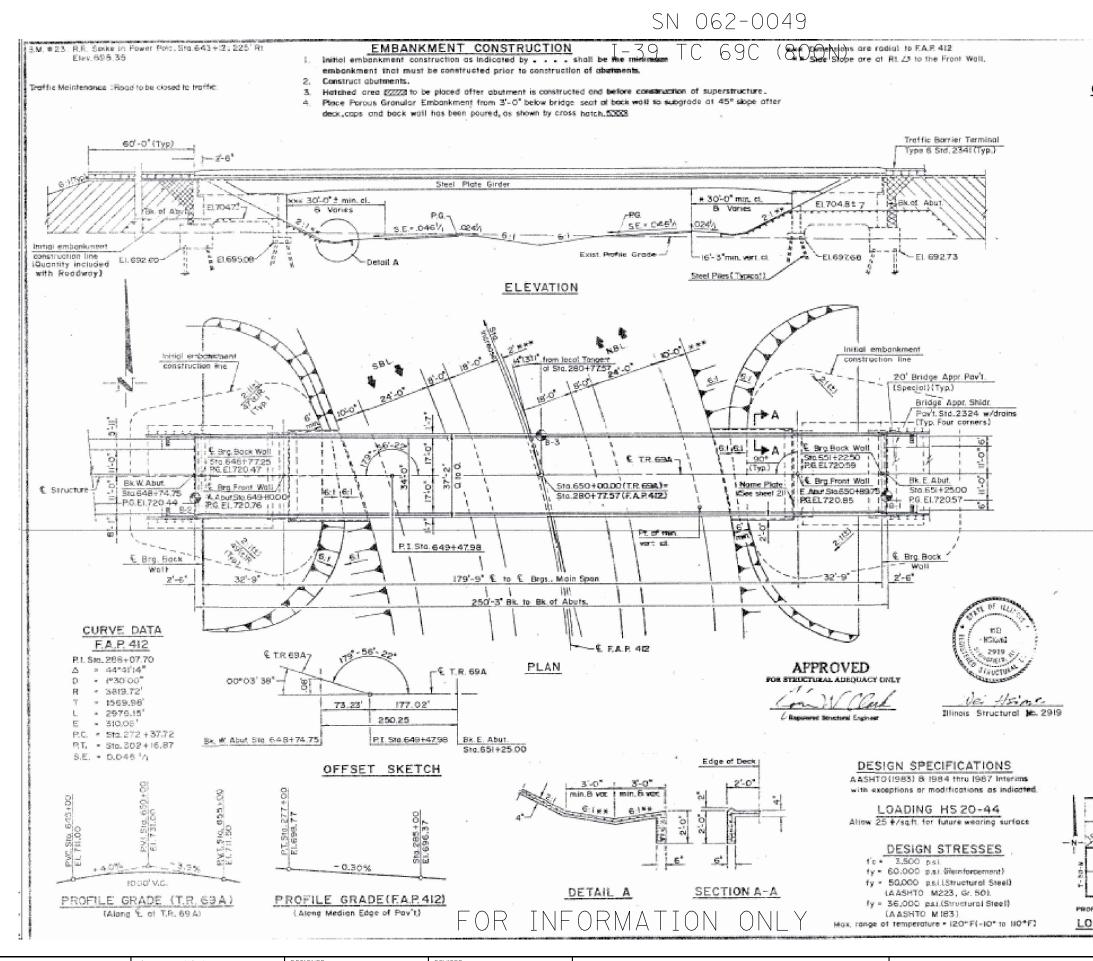
	Mart m. Mart m. <t< th=""></t<>
15. S5:	Non-composite mament of inertia and section modulus of the steel section used for computing I_S (Total-Strength], and
cin), Scin)t	Service II) due to non-composite dead loads (in, ⁴ and in, ⁵), Composite moment of inertial and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs (Total-Strength), and Service II) due to short-term composite
ini, S _c (3n):	and dock based upon 3 times the modular ratio, "3 n ", used for computing t_S (Tatai-Strength I, and Service II) due to long-term
DCH MDCI : DC2t	Un-factored moment due to non-composite dead land (kip-ft.).
MDC2: DW:	
MOW :	surface only) dead lood (kips/ft.). Un-factored moment due to long-term composile (superimposed future wearing surface only) dead lood (kip-ft.).
Wit • Jmpi Witenath J):	Un-factored live load moment plus dynamic load allowance (impact) (kip-f1.), Factored design moment (kip-f1.),
фfMa:	1.25 (WDC) = MDC2) = 1.5 MDW = 1.75 ML + Imp Compact composite positive moment capacity computed
Service ID+	according to Article 6.10.7.1 (kip-1).). Sum of strøsses as computed from the moments below (ksi). MOCI: MDC2: MDW: 1.3 ML + Imp
trength []+	Sum of stresses as computed from the moments below on non-compact section (ksi),
Vri	1.25 (Mpc) = Mpc2) = 1.5 MpW = 1.75 Mg = jmp Factored shear range computed according to Article 6.10.10.
4 sides • # * * 'z • PHRAGM	SECTION B-B
	SDI STRUCTURE DESIGNS, INCORPORATED ARCHITECTS & ENGINEERS FI TROUGHTED THE INCORPORATED
	REVISIONS ILLINOIS DEPARTMENT OF TRANSPORTATION STEEL FRAMING PLAN AND DETAILS
	ILL. RATE 251 ILL. RATE. 251 OVER SANDY CREEK F.A.S. 253 SEC. 68 BR-1 MARSHALL COUNTY STA. 133+80.00 S.N. 062-0085 DESIGNED BY: S.G. DRAWN BY: T.C.S.
062-0085	DATE: 11-20-08 CHECKED BY: 0.4.0,
PLAN	KTE. SHEETS NV. VAR D-4 BRIDGE PAINTING 2022 * 51 9 CONTRACT NO. 68657
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SER NAME = \$USER\$ DESIGNED REVISED LOCATION 2 SN STATE OF ILLINOIS DRAWN REVISED PLAN & ELEVAT OT SCALE = \$SCALE\$ HECKED REVISED **DEPARTMENT OF TRANSPORTATION** SHEET 1 OF 6 SHEET SCALE: LOT DATE = \$DATE\$ DATE REVISED

NOUTE NO	BET SA	CD	en l	10141	6010
FAP412	62-3418	MAR	SHALL	82	21
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			SHEE	TIOF	12

GENERAL NOTES

See Foundation Boring Log Sheet in Plans. *

Fosterners shall be high strength bolts. Bolts 3/4" 8, open holes 13/16" 0. unless otherwise noted.

Colculated weight of Structural Steel «195,590 (#-183) «116,500 (N-223 6r. 50)

The Zinc-silicate and viny: point system shall be used for shop and field pointing of Structural Steel except where otherwise noted.

Field welding of construction accessories will not be permitted to the bottom flunge of girders nor to the top flunge from girder ends to splice. Field welding in other oreas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting cross frames over supports. The main load currying assocr components subject to tensile stress shal! conform to the Supplemental Requirements for Notch Toughness Zone 2. These Components are the tension fianges, webs and all solice plate intertal of the steel girders.

Reinforcement bors shall conform to the requirements of AASHTO N-31, M-42 or M-53 Grade 60.

Slope wall shall be reinforced with weided wire fabric, $6^{*}x5^{*}$ – 94.0 x 84.0,weighing 58 lbs. per 100 sq. ft.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface of by shimming the bearing. Two 1/8" adjusting shims, of the dimensions of the top bearing plate, shall be provided for each bearing plate, in addition to all other plates or shims.

The contractor shall drive two steel test piles in a permanent location abutment as directed by the Engineer before ordering one at each the remainder of piles.

All structural steel fabricators performing work on the main load corrying components of steel structures shall be certified under Cotergory III (AISC) of the Quality Certification Program.

IVIAL DILL VI	10110	I LEADER LE	194 C	
ITEM	UNIT	SUPER	\$U8	TOTAL
Protective Cool 0	Sq. Yas,	1,148	1	1,148
Class X Concrete Superstructure	Cu. Yes.	314.7		314.7
Closs X Concrete	Cu.Yds.		348.7	348,7
Closs & Concrete	Çu, Yilis,		2787	279.7
Erecting Structural Steel	L.S.	0.5		.P.5
Stud Shear Connectors	Ea.	1,510	i j	1,510
Reinforcement Bors	Lbs.		23,490	23,490
Reinforcement Bars, Epoxy Costed	Lbs.	81,440	15,970	97,410
Test Piles Steel HP 12x53	Ea		4	4
Steel Piles HP (2x53	Lin, Ft	and the second	3,440	3,440
Name Plates	Ea.	1		1
Slope Wall 4"	5g. You	Marahas	240	.240
Erecting Elastomeric Brg. Assembly, Ty. 1	Ēa,		20	20
Rubbed Finish (MODIFIED)	Sq.Ft	4725	460	2,185
Porque Gronular Embankment	Cu. Yos.		270	270
Structure Excovation	Cu. Yds.		634	831
Geocomposite Wall Drain	Sq. Yes.		102	102
Screen Panel	Eq.		B	ē
Tiedown Device	Eo.		10	łO
Fabric Wropped 6" Pipe Drain (Spec.)	Lin. Pt.	-	148	148
BRIDGE DECK GROOVING	So Yes.		890	008
FURNISH & ERECT STRUCTURAL STEEL	Lbs.		7,820	7,820

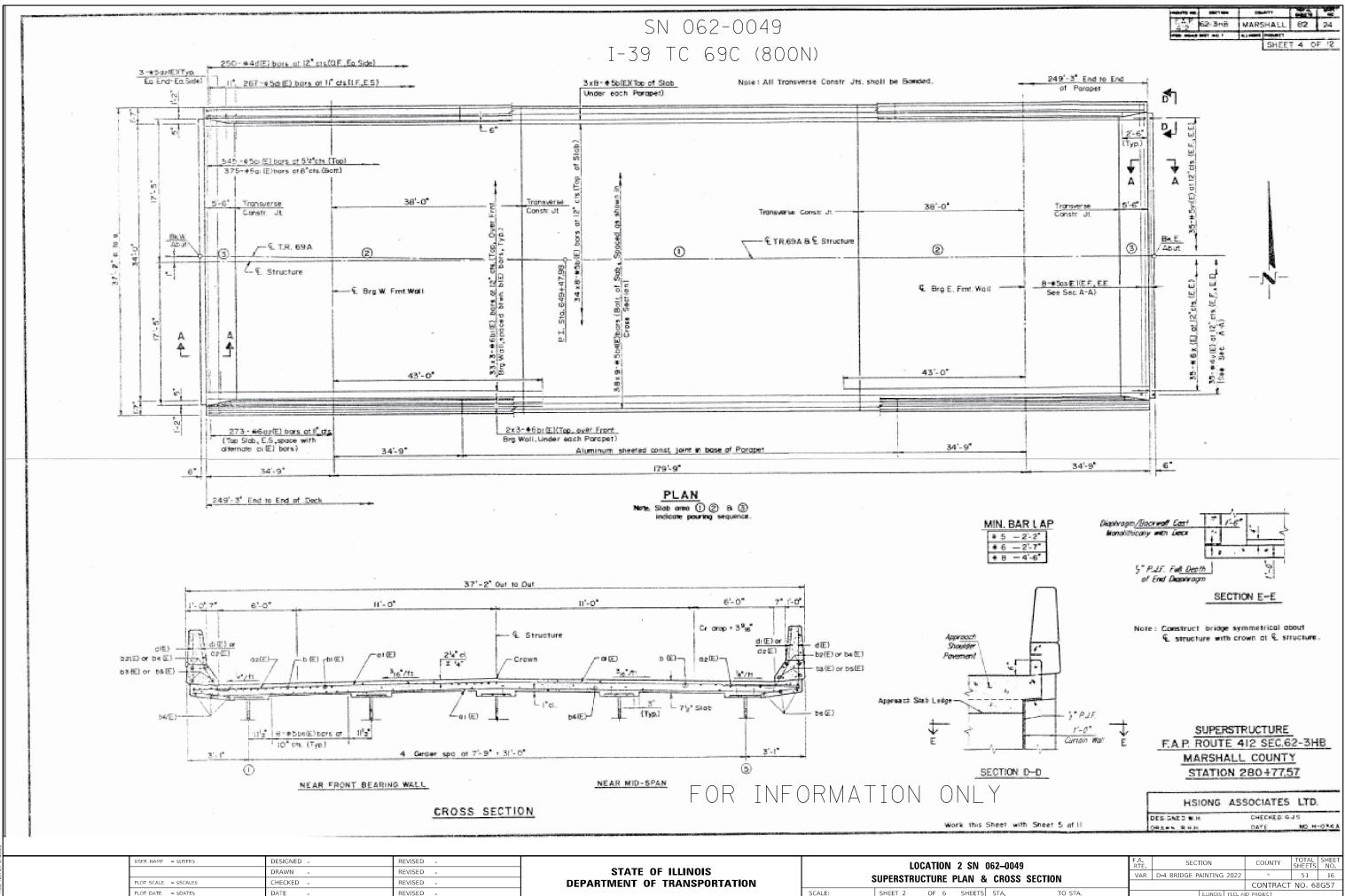
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P-I-E 3RD FM.		
WENGNA (T.R. 69A OVER F.A.P. RTE	412
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TR 69A	FA.P. RTE. 412 SECTION 62-3	HB
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	STA. 280+77.57	
_ / ^A 1	STR. NO. 062-0049	
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I 062–0049 TION VIEW		F.A. RTE	E. SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
		VAR	VAR D-4 BRIDGE PAINTING 2022			*	51	15
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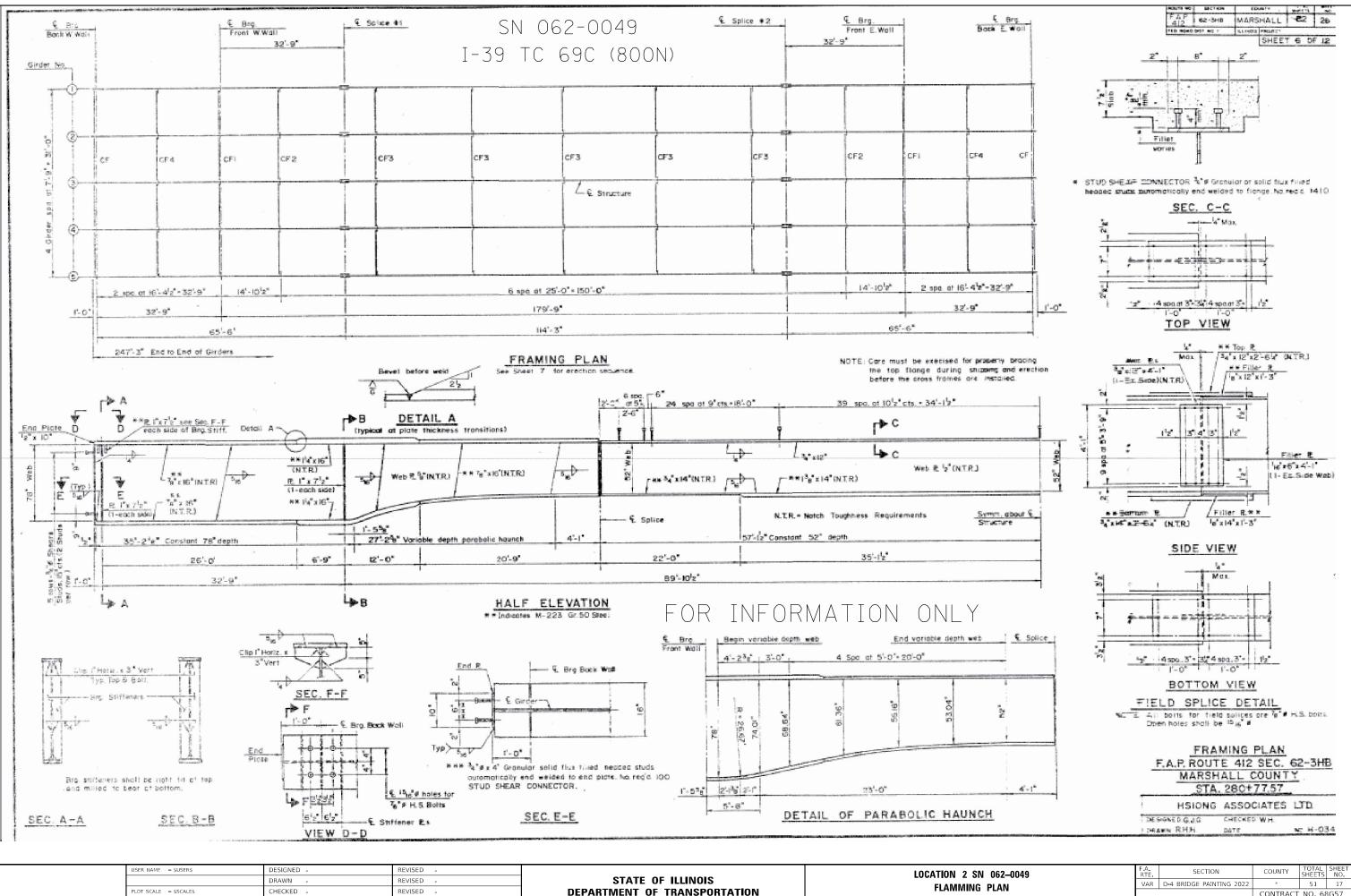
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OF 6 SHEETS STA. SHEET 2

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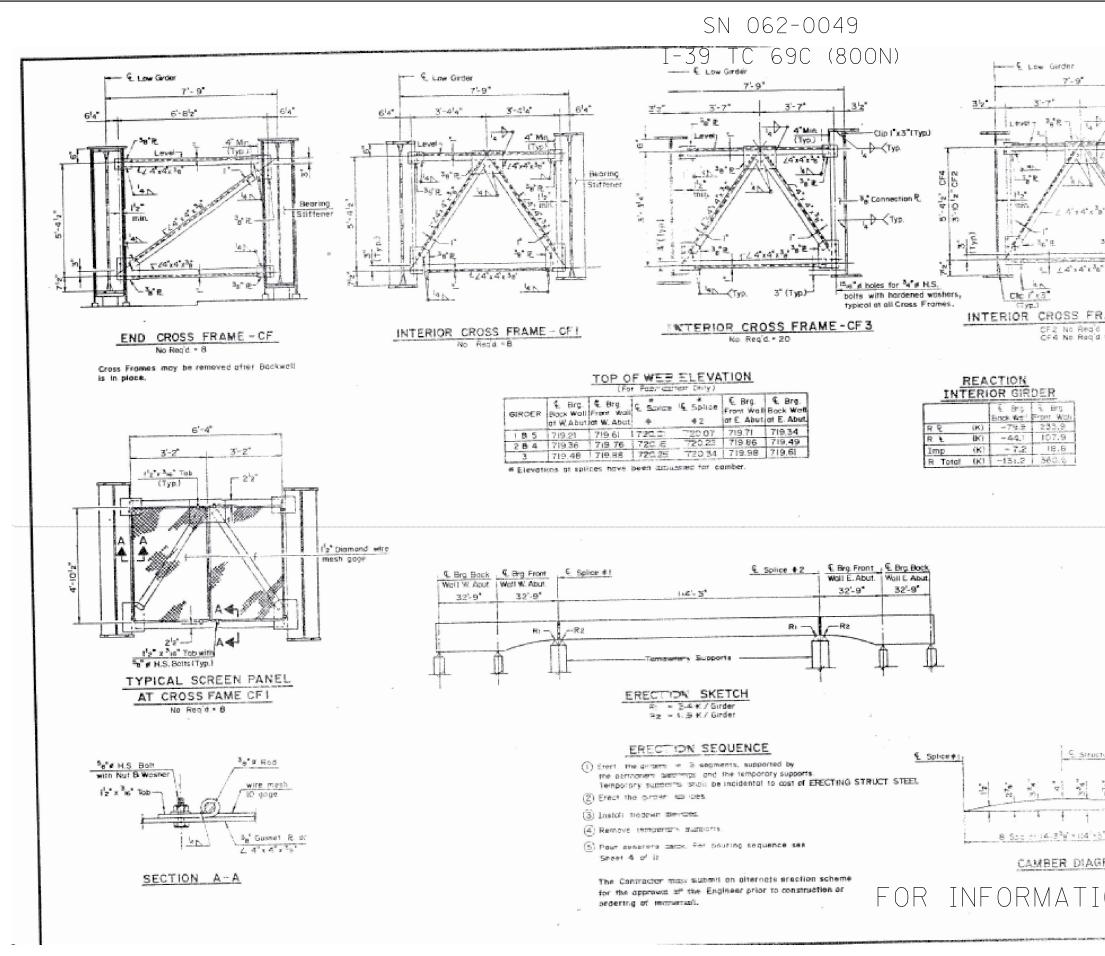
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SHEET 3 OF 6 SHEETS SCALE:

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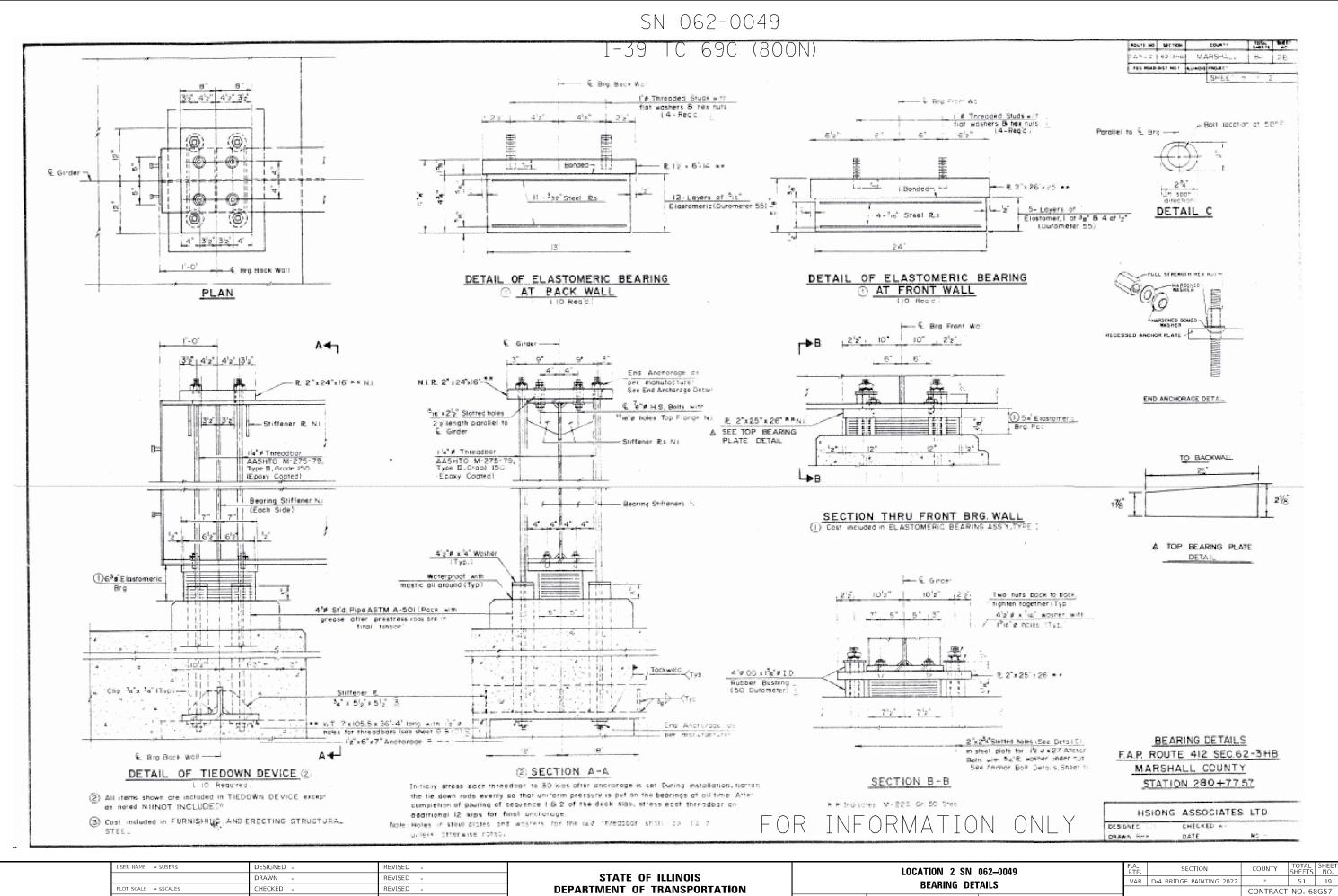


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and the second s	a second s	(m,4) (m,3)	2,175	66,348	-
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CF2 8 CF4	i he	0K/0 (*K)	2,707	1,175	-
	SR	(KZi)	783	,3 568	3
	M L	(IK)	1,357	1,152	-
	Mimp. (⇒x(M5+1)	((K)) (¹ K) - 2	293 2750	189	-
	>3(MS+1) Mo	(¹ K)	8112	5,171	
	Mu ts & non-compl	(IK)	14.9	12.1	5
	fs€ comp. ((k.a.i)	4.3	4.	5
	2 and a state of the state of t	(kai) (kai)	34.4	34.	
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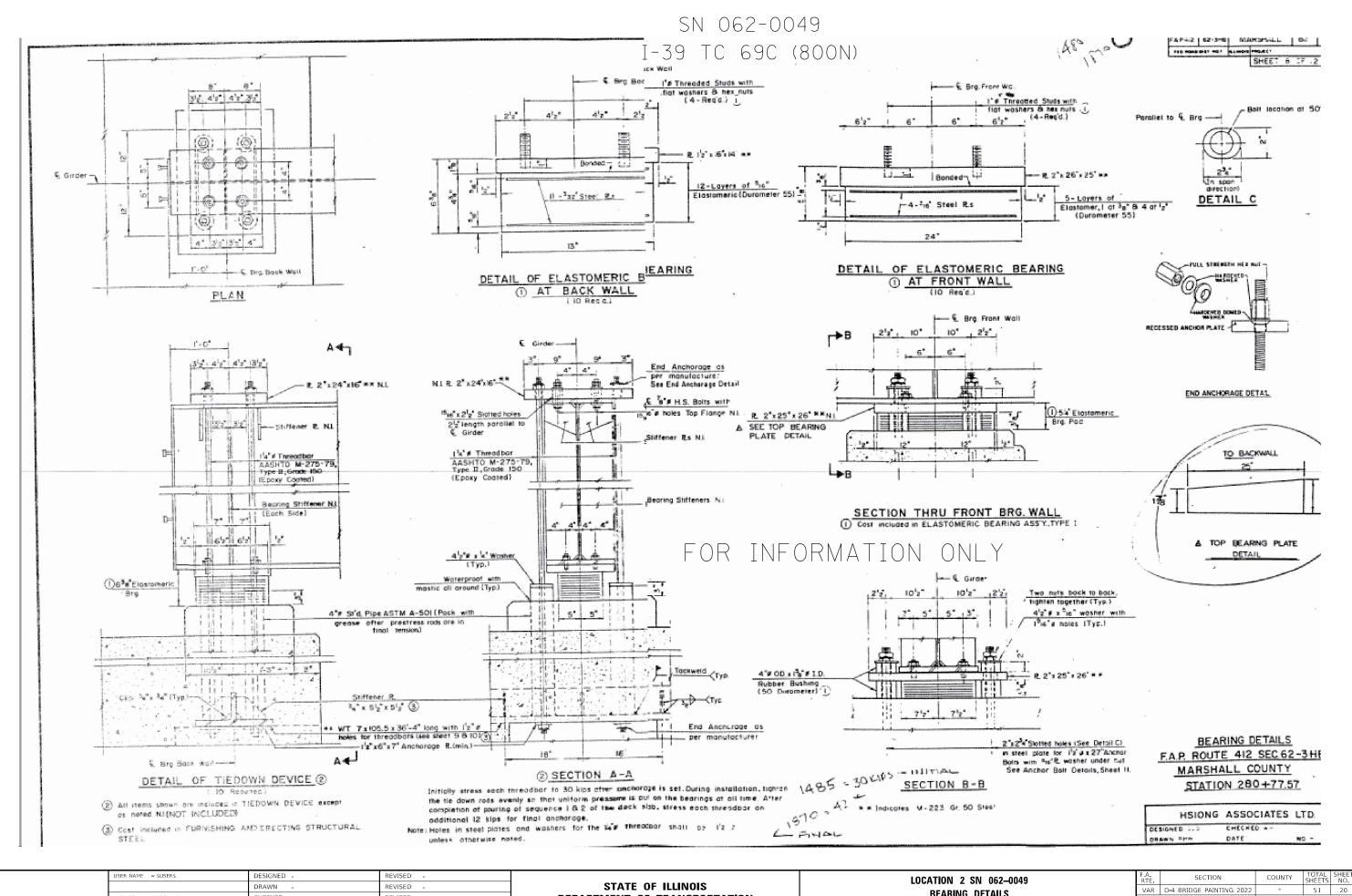


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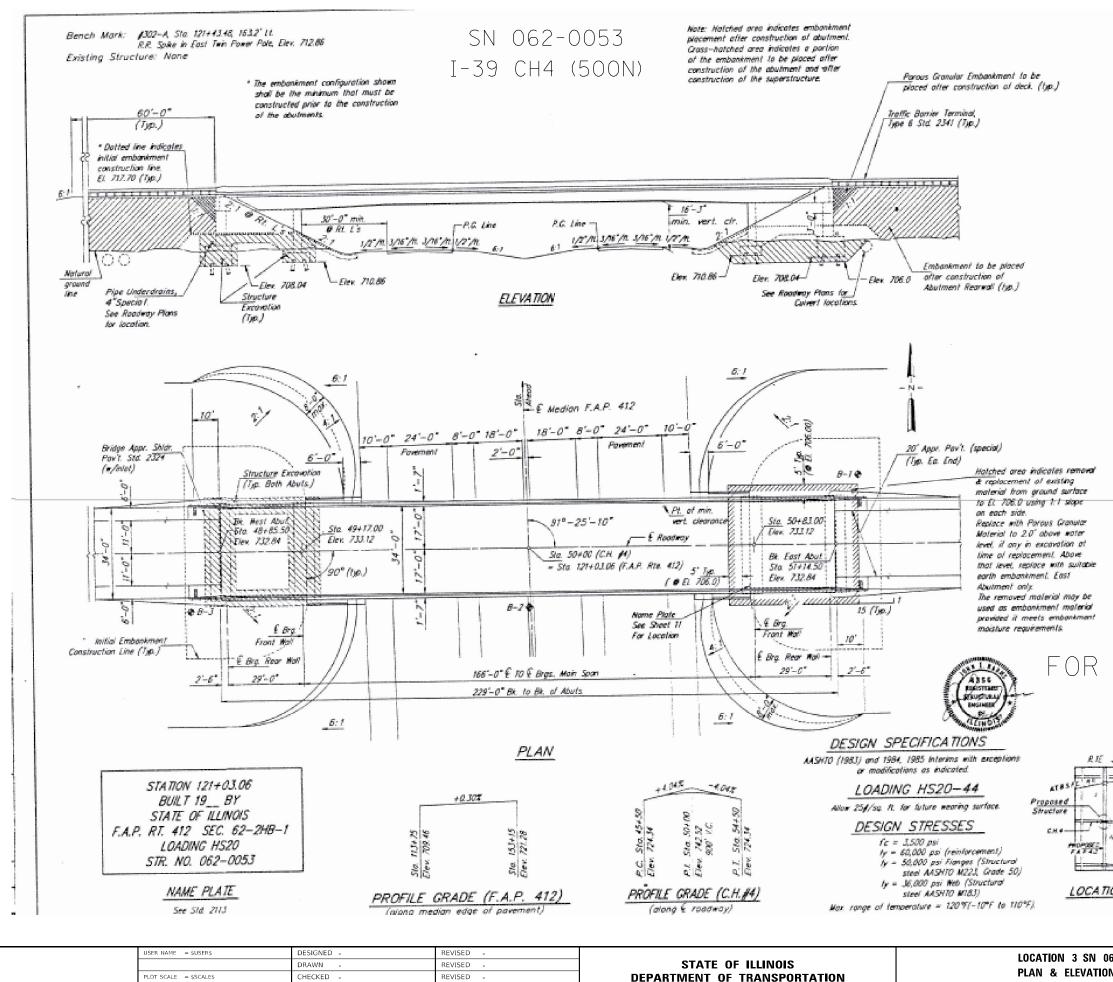
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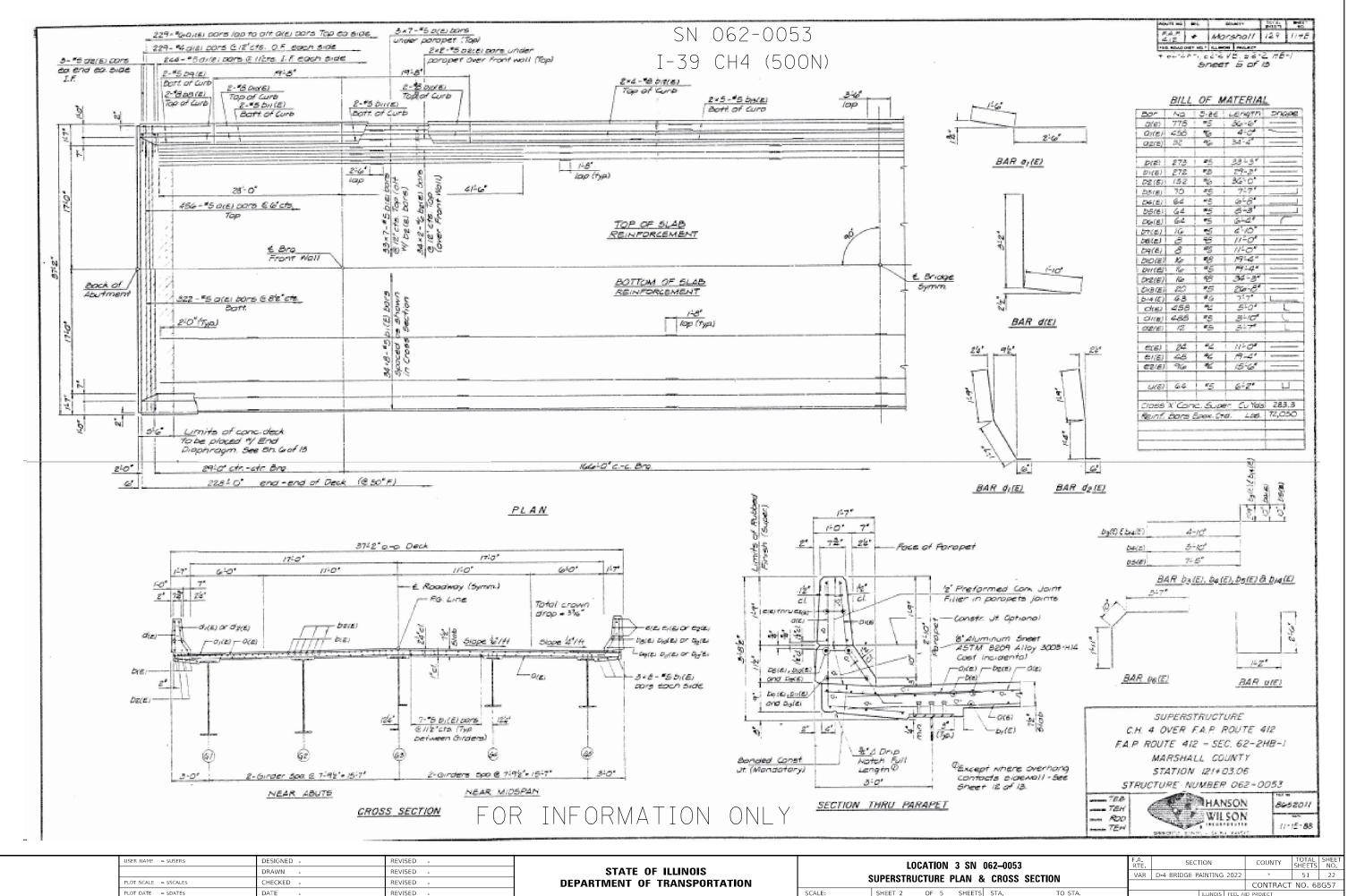
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PLAN & ELEVATION SCALE: OF 5 SHEETS STA SHEET 1

	F.A.P. PED IN K 6.2	112 Матя жазант на 3 нинот р -2 А-1, 642-2 VE, 2 Sheet <u>1</u> of <u>13</u>	POLECT						
GENE	RAL NO	TES							
1. See Sheet J Df 1J for Boring Dath	z								
 Fasteners shall be high Strength unless otherwise nated. 	Balls, Ball.	; 7/8° Dia., Open H	oles 15/16" Dia,						
I Calculated weight at AASHTO M-2 Calculated weight of AASHTO M-10	123. Grode 1 13 Structuro	10 Structural Steel= 1 steel= 163,988 t	120,494 L bs . Lbs.						
 The Zins-Sticute and Vinyl Paint painting of structural except where 			and field						
 Field welding of construction gette bottom Bange of the graters nor 1 and 3, nor to the top Range in fourth the span length from the o other organ will be permitted only 	to the top : Span 2 for botment to	tonge of the girders ,a distance equal to at wattin, Retd willa	in Spans o ane						
 Anchar Balts shall be set before works. 	balting cros	s trames awar abota	nent front .						
7. The main load carrying components subject to tensile stress shall conform to the Supplemental Requirements for Notch Teughness Zone 2. Rese components are the tension Banges, webs and all splice plate material of the steel griders.									
 Reinforcement Bars shall configure to the requirements of AASHTO M-31, M-42 or M-53 Grade 60. 									
 Stope Wall shall be reinforced with W4.0 x W4.0, weighing 58 Lbz. per 	n Meided Mi r 100 Sq. F	re Fabric, 6° x 6° = 1							
10. Bearing Seat Surfaces shall be Cr elevations within a tolerance of 1, either by grinding the surface or adjusting shims shall be provided	/8 inch. A by shimmin, for each bi	djustment shall be n g the bearing. Two wring. See Sheet S	node 1/8* + of 13						
ter shim plate size. The shim pl Elastomeric Bearing and are not : quantities.	ales are co included in	nsidered incidental ti the structural steel	o the						
 The Contractor shall drive two so one at the West Abytment back wall, as directed by the Engineer, 	wali and on	e of the East Abuin	nent front						
 Ali structural steel fabricators per components of steel structures a Quality Certification Program. 	elonning wa hali be cert	rk on the main load ilied under Calegory	l carrying III of the						
 Rubbed finish shall be applied to abutments to 1 ft. below final gr 	the lacio i ade. See S	nd all expand surfu weets 5 and 11 of 1.	aces of the I						
INFORMAT									
por		NOVED							
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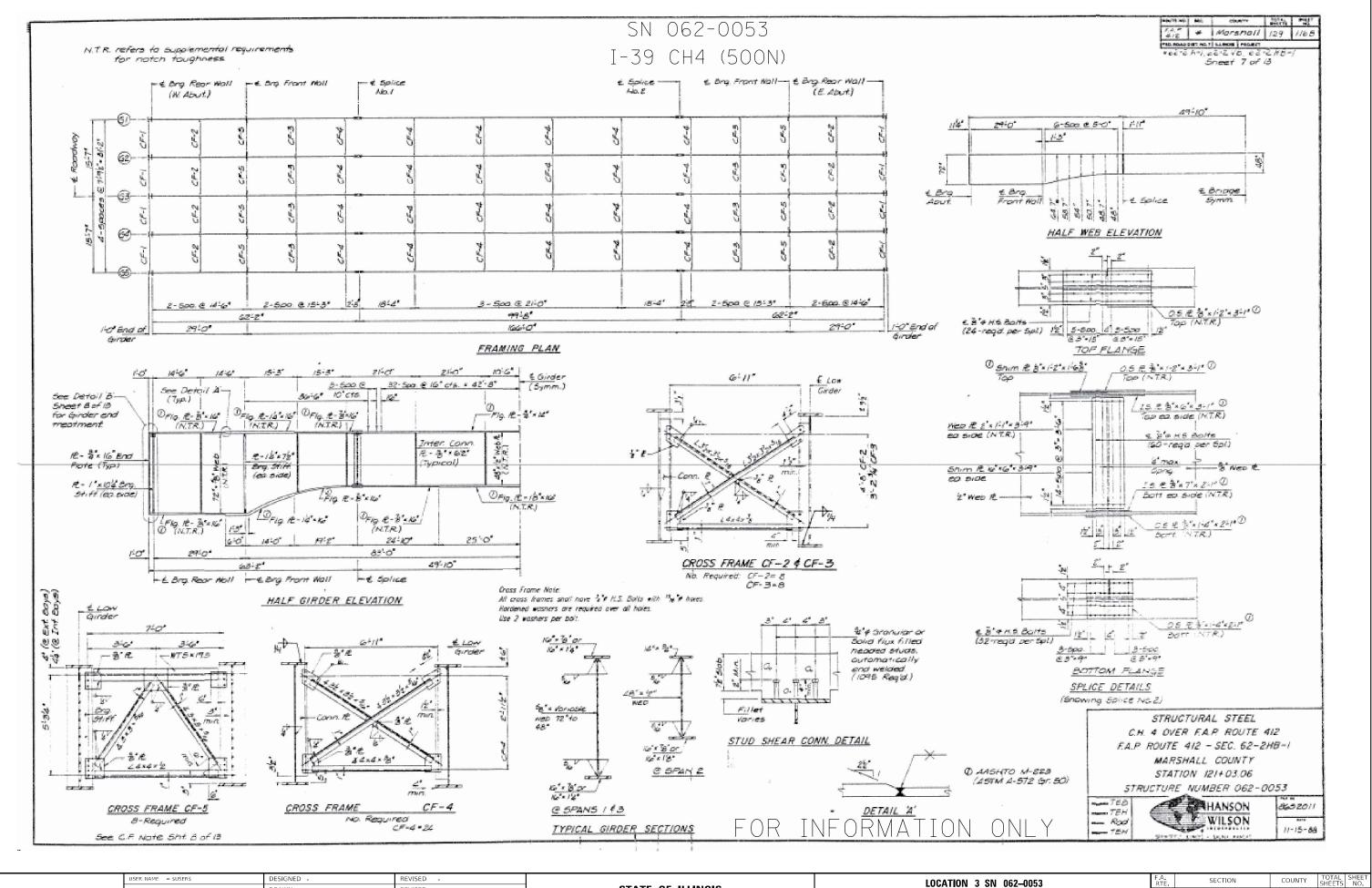
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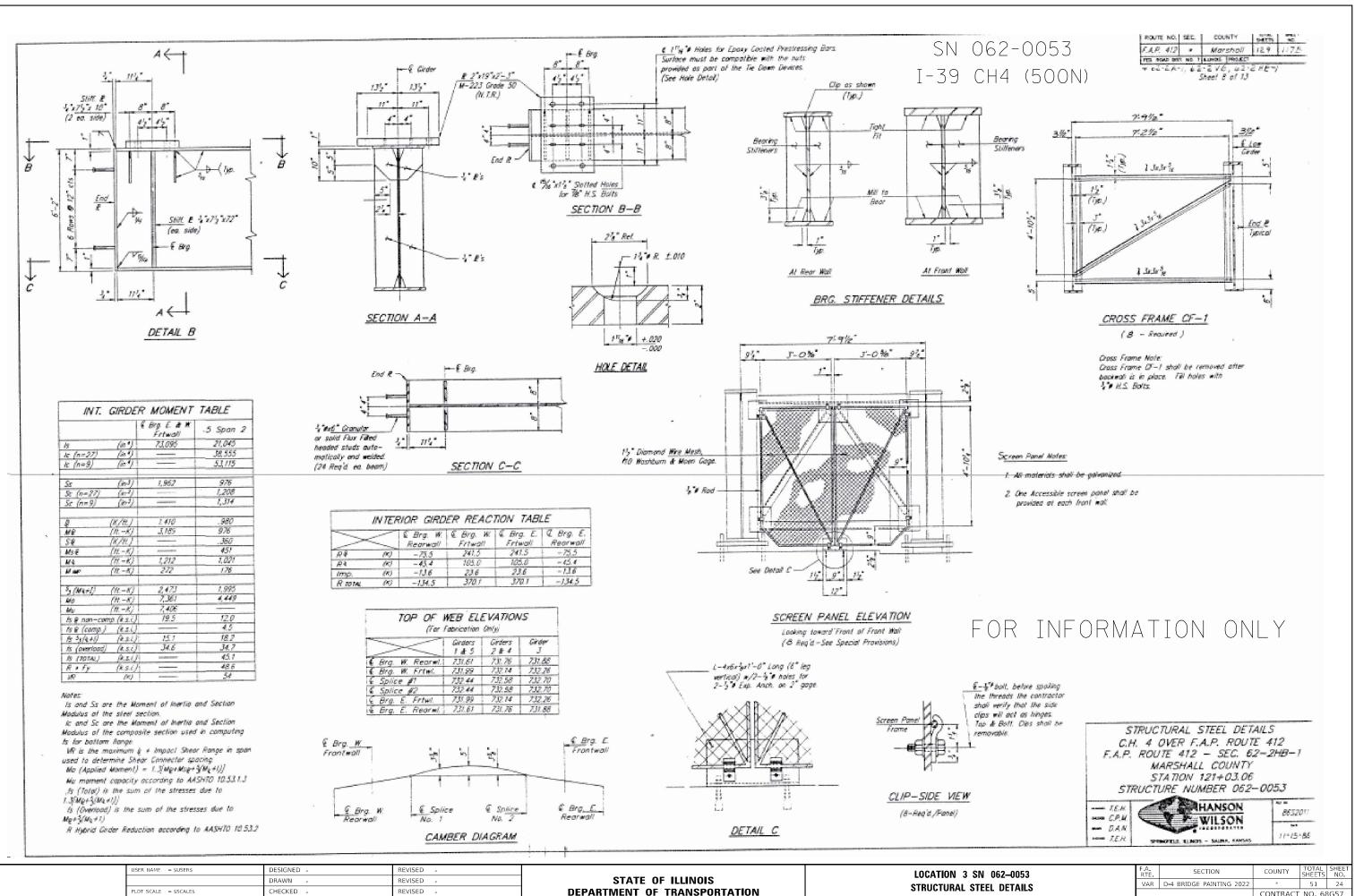
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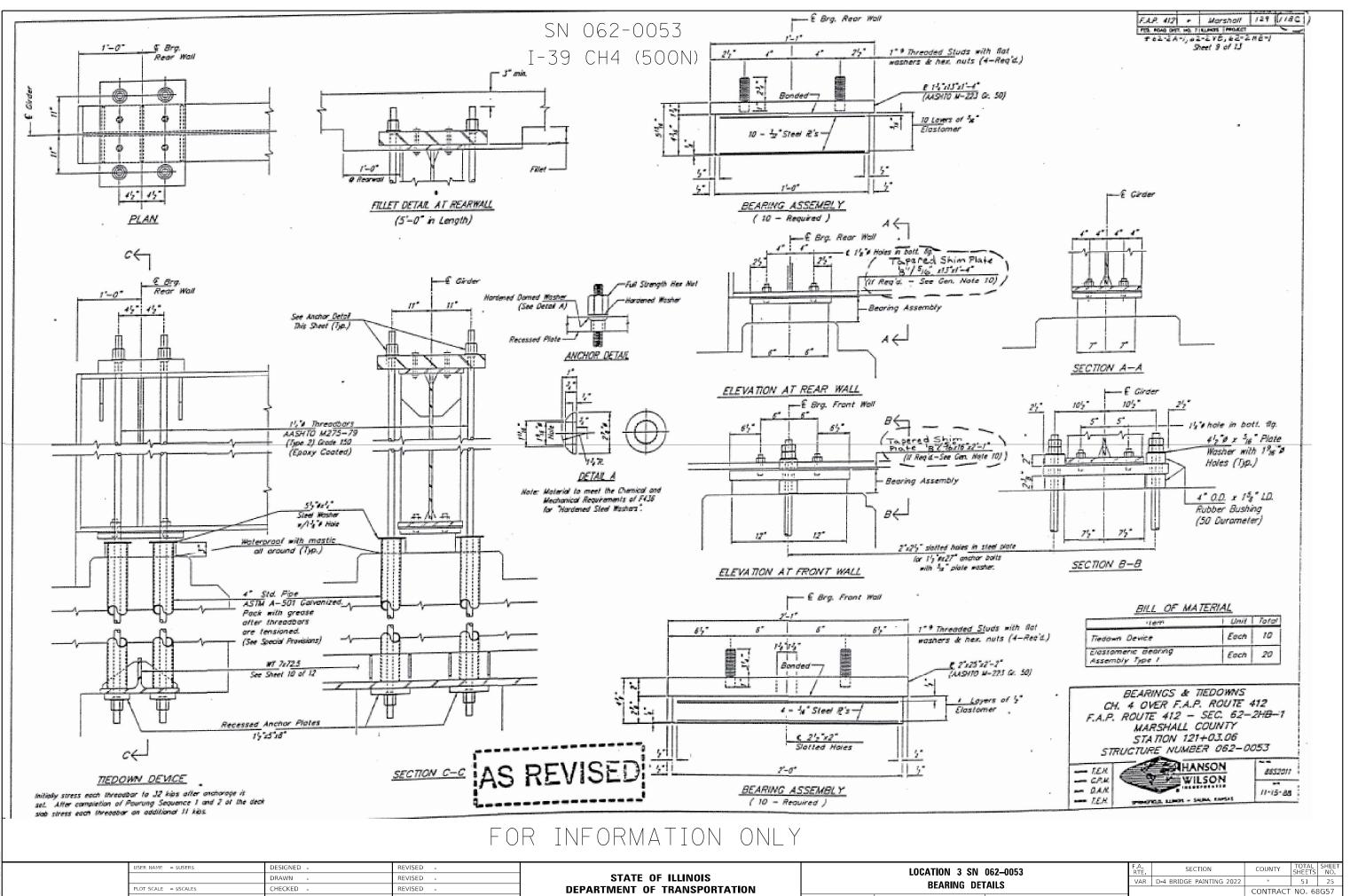
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STRUCTURAL STEEL DETAILS **DEPARTMENT OF TRANSPORTATION** SCALE: OF 5 SHEETS STA. SHEET 4

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TO STA.

CONTRACT NO. 68G57



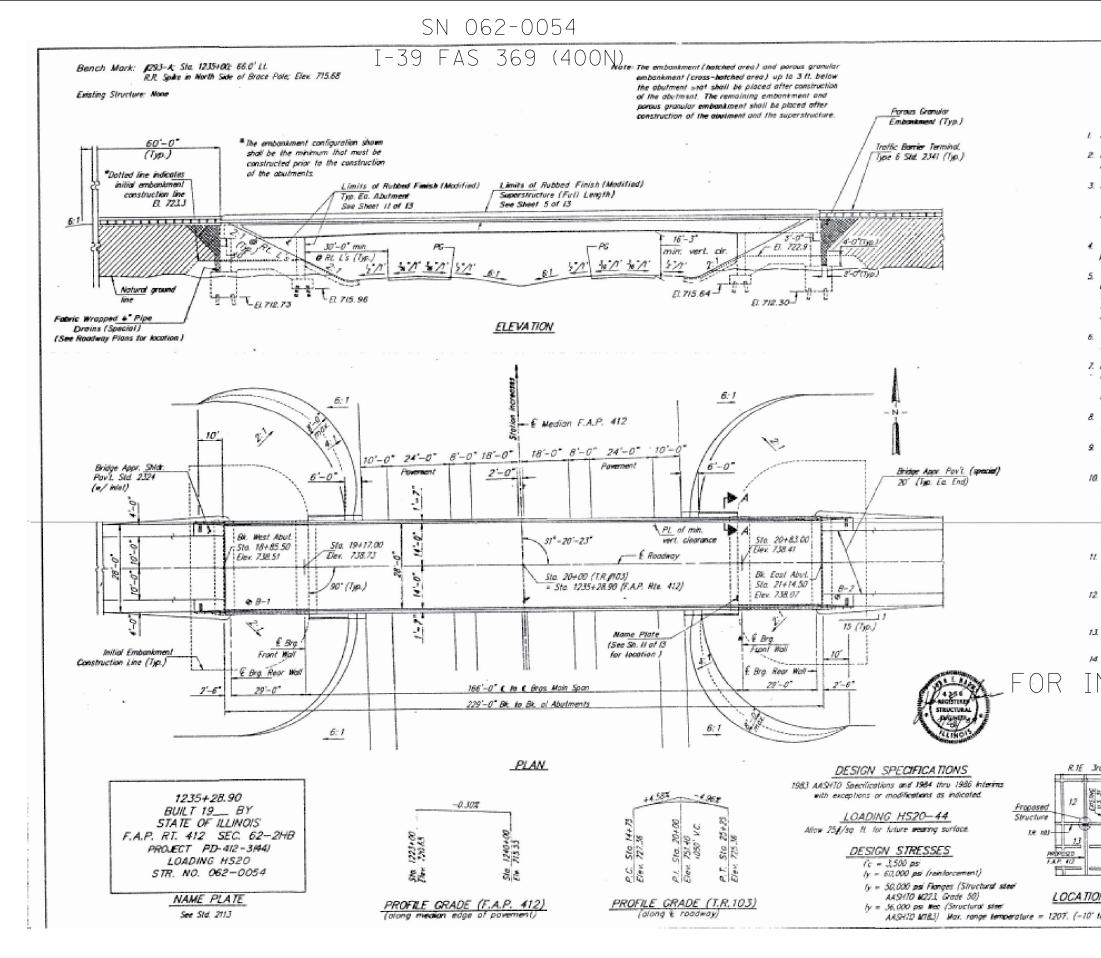
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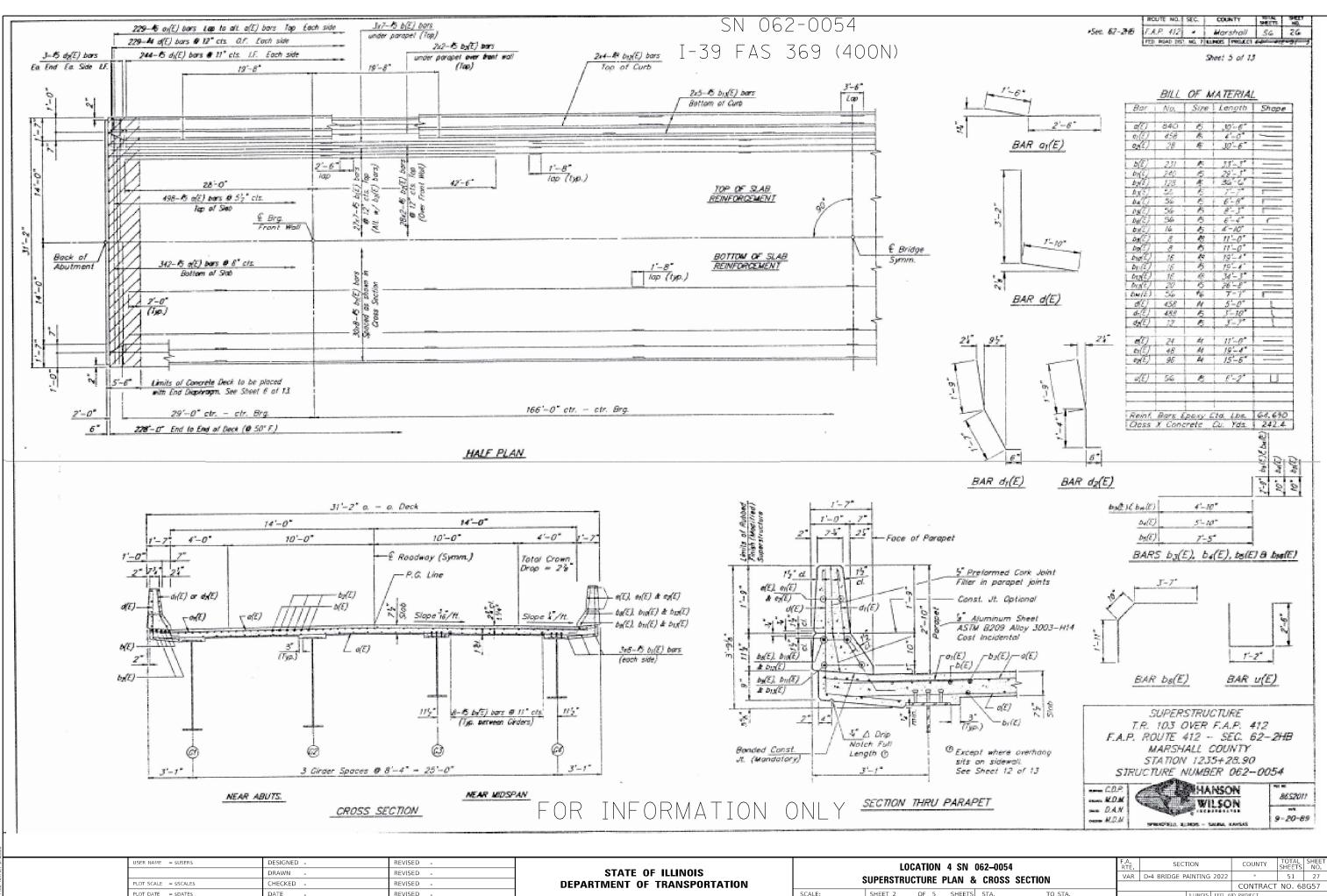
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					S.	eel 1 of 13			
	GENE	RAL NOT	ES						
	See Sheet 3 of 13 for Borin	g Data.							
	Fasteners shall be High Stree 15/16" Dia., unless otherwis		Botts 2	va*0	lia, O	pen Hales			and the second s
	For Erection: Calculated weight of AASH Calculated weight of AASH For Fornishing and Erection: Calculated weight of AASh	TO M-183	SPuch	wat S	teel >	126,290 L b s		ts.	
	The Zinc-Sticote and Vinyl Pa painting of structural except =				for sh	op and Reld		-0	
	Field velding of construction o bottom Range of the pirders a 1 and 3, nor to the top Range fourth the spon length from it other greas will be permitted o	or to the tay t in Span 2 : Se abutment	o hang kor a a trant i	e ol t Estanc mañs	ive gira e equa Fierr i	ters in Spans (to ane- miding in			
	Ancher Buits shall be set belo raits.	are bolting cr	naes ih	omes a	wer ab	ulment front			
	The main laad carrying compan cantarm to the Supplemental I These components are the ten material of the steel girders.	Requirements	ter te	nten Id	watine	is Zone 2			
ł	Reinforcement Bars shall canfu ar ₩-53 Grade 60.	orm to the r	eşsi e	aents i	al AAS	HTO M-31, M-	42		
2	Signe Wall shall be reinforced #4.0 x #4.0, weighing 58 Lbs.			abric i	5' + 5	-			
a	Bearing Seal Surfaces shall be elevatents within a talerance a either by grinding the surface adjusting shims shall be provid for shim plate size. The shim Dastaneric Bearing and are m quantities.	f 1/8 inch. er by shimm ked for each piates are i	Adjust ing Ba bearing conside	ment : : beari g Sec rad In	shall be hg. Ti sheet sidenta	• made •o 1/8" • 9 of 13 • 10 the			
n	The Contractor shall drive tour two at the West Abulment.com rat, as directed by the Engine	ch woll, and t	ne de	the Ed	ist Abi	itment:each			
2	All structural sized fabricators companents of steet structures Guality Cart/Reation Program	1							
u	Rubbed (mish (Modified) shall abutments to 1 R. befor (mai						of the		
	See Special Provisions for Br	-		\sim	N I I	\ /			
	NFORMA		API	() PRO		_ Y			
		FOR E	паст 77	INCAL S	nego.	ACY ONLY		~	
		9	(<u> </u>	v/ C	Car	<u></u>			
k	CPW R.2E								
į.		~~~	15727			& ELEVAT	DOM		
Į,	anu R	L	.R. 1	03	OVER	F.A.P. 4	12		
		F.A.P.				- SEC. 6 COUNTY	2-21	I B	
	18	cm	57/	4 770/	V 12	35+28.90 BER 062-		,	
lite		$= CDP_{1}$	A R	1	NOM!	ANSON	1		
0	N SKETCH	- NOM		¥ 1	N.	ILSON	4	96520	U.
• 1	o 110° F.) 🚥	∞ <i>U.D.W</i>	-9-40	OREA P	19408 -	SALINA, KANTASI	9	-20-6	99
,		T	F.A.		SFC	TION	COUN	NTY	T Sł
)62–0054 IN VIEW	-	RTE. VAR	D-4 BF		AINTING 2022	*		

TO STA.

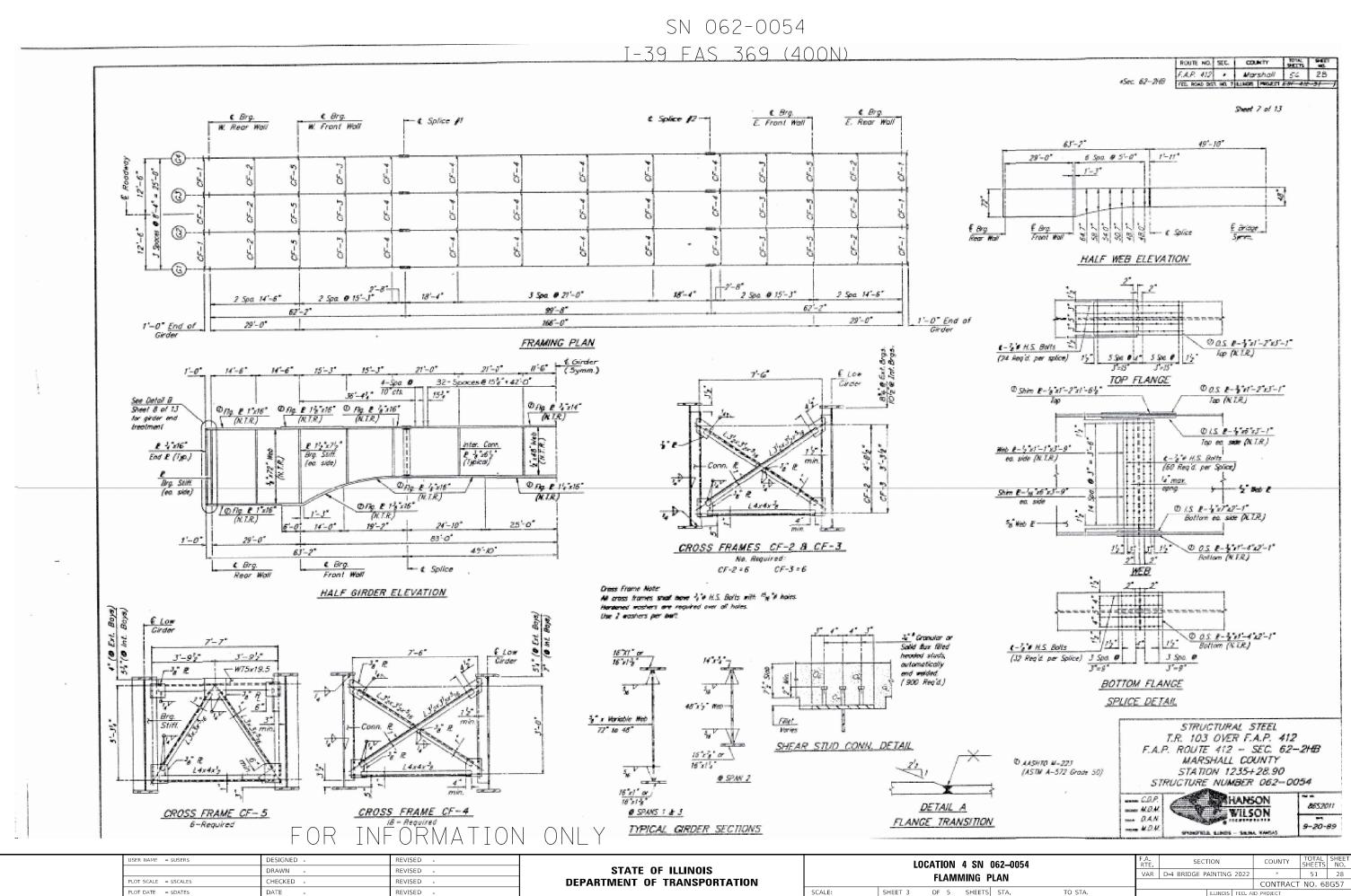
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CONTRACT NO. 68G57 .WOODFORD AND MARSHALL



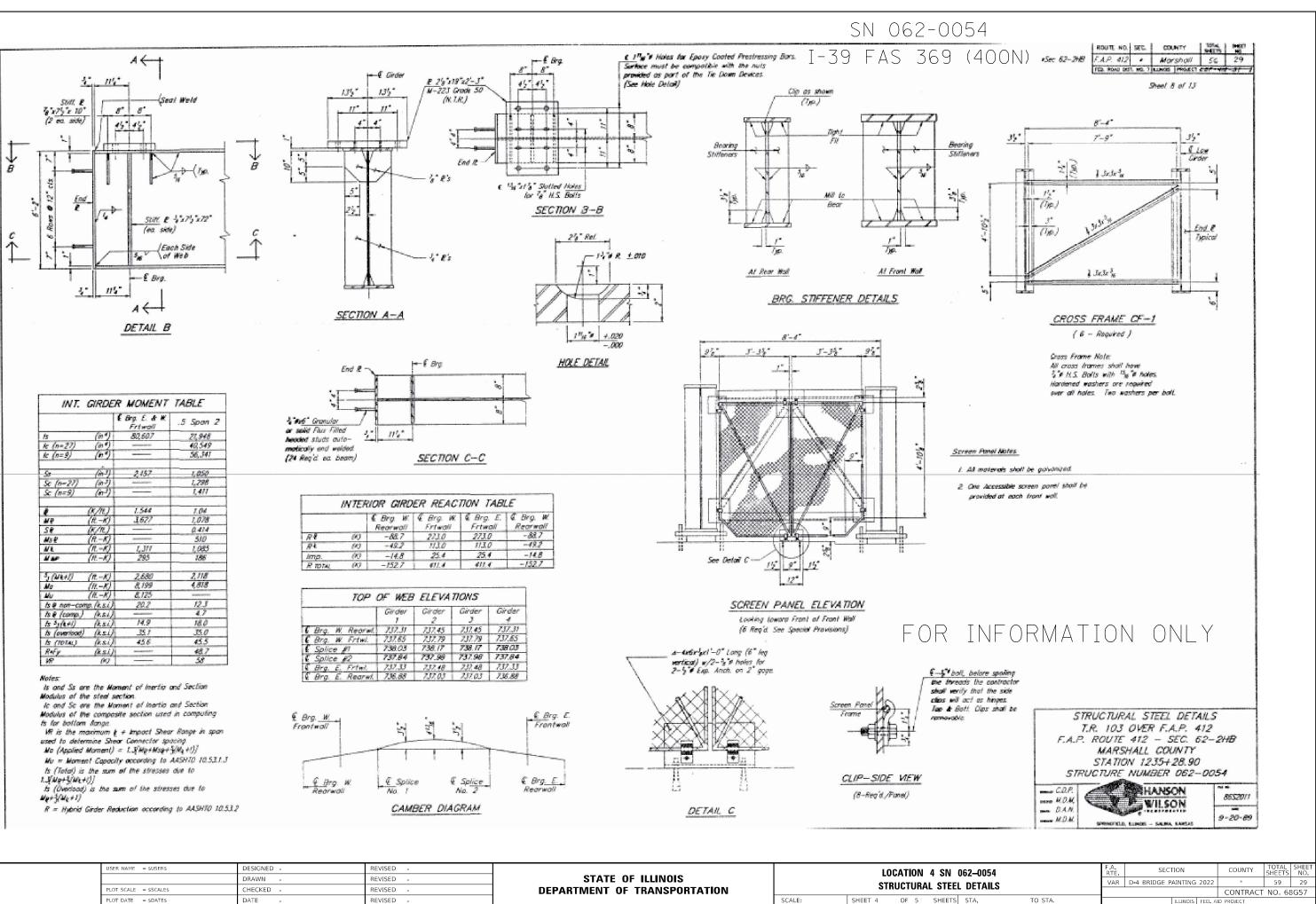
SHEET 2 OF 5 SHEETS STA.

.WOODFORD AND MARSHAL



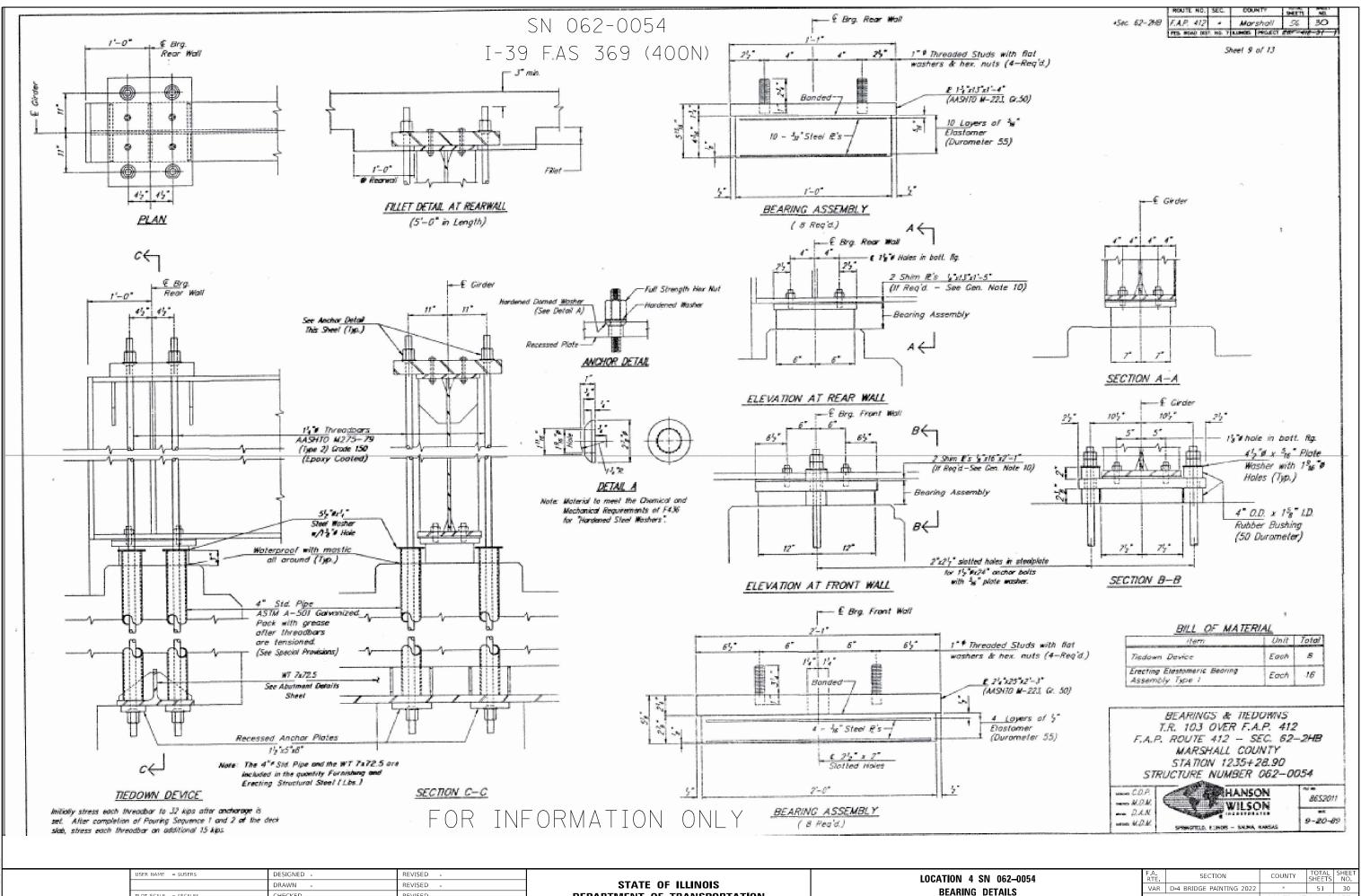
STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		
		_				CONTRACT	NO.68	3G57
AN.		VAR	D-4 BRIDGE P	AINTING	2022	*	51	28

.WOODFORD AND MARSHALI



USER NAME = \$USER\$	DESIGNED -	REVISED -			10	CATION	I 4 SN	_
	DRAWN -	REVISED -	STATE OF ILLINOIS					-
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		211	RUCTUR	AL STEE	:L
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 4	OF 5	SHEETS	ż

[.]WOODFORD AND MARSHALL

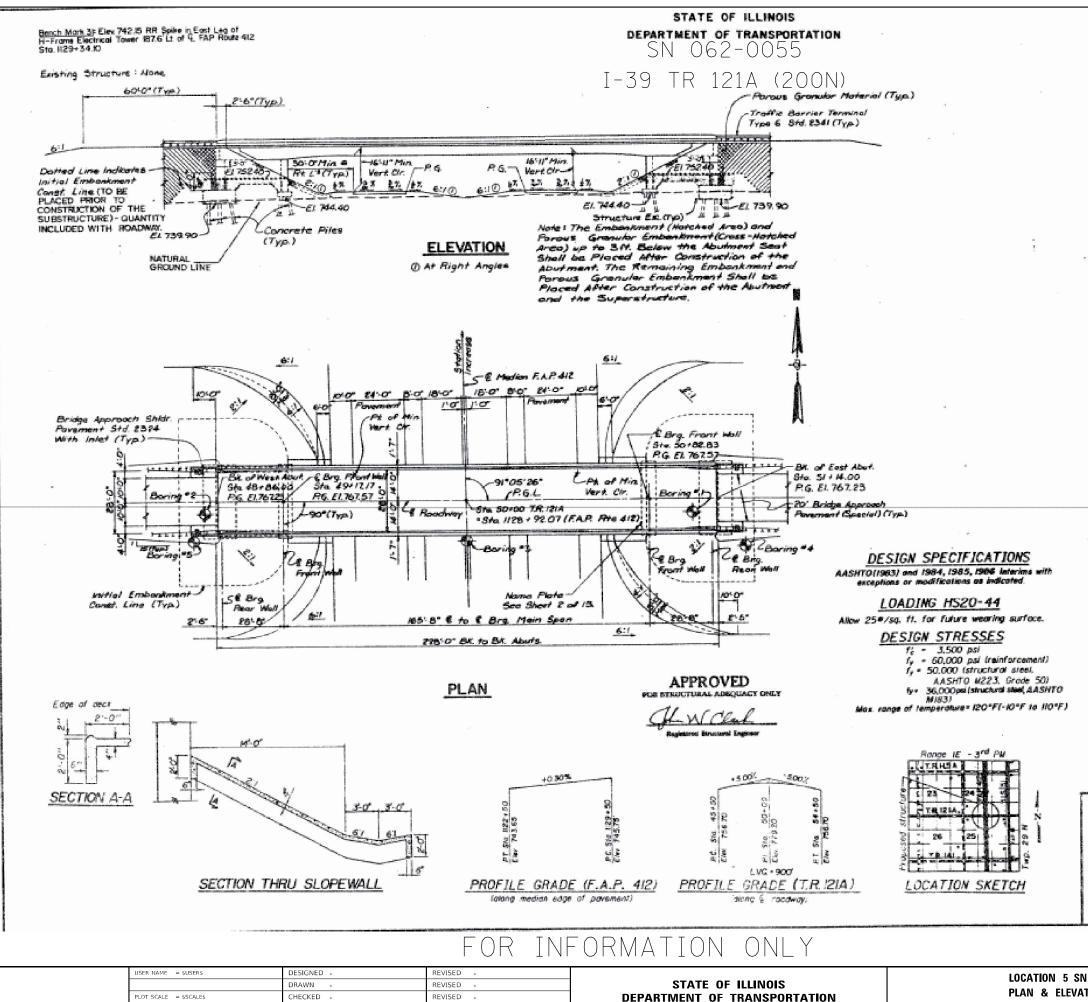


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	DRAWN -	REVISED -	STATE OF ILLINOIS	ĺ	LU			
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	ĺ		BEAKI	NG DET	A
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 5	OF 5	SHEETS	

CONTRACT NO. 68G57 .WOODFORD AND MARSHALL

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TO STA.



REVISED

LOT DATE = \$DATE\$

DATE

PLAN & ELEVAT OF 6 SHEE SHEET 1

SCALE:

F.A. RTE	SEC.	COUNTY	2016	1948117 1940	SHEET MEL	1
412	62-148	MARSHALL	55	16		
CNEA. A	ra. 5	ILLINCES PROJE	CT.		SHEETS: 1	3

GENERAL NOTES

SEE SHEET'S 29-30 FOR BORING DATA.

FASTENERS SHALL BE HIGH STRENGTH BOLTS. EOUTS 5/4/2 . OPEN HOLES 13/16/9 . UNLESS OTHERWISE MOTED.

CALCULATED WERGHT OF STRUCTURIAL STEEL = 125,435 (#180) = 101,400 (M220)

THE ZINC-SELICATE AND VINYL PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF STRUCTURAL STEEL EXCEPT WHERE CONCRAMEN NOTED

FIELD WELDING OF CONSTRUCTION ACCESSIONES WILL NOT BE PERMITTED TO THE BOTTION FLANGE OF GRIDENS NOR TO THE TOP FLANGE FROM ORDER ENDS TO SPUCE. FIELD WELDING IN OTHER AREAS WILL SE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

ANCHOR BOLTS SHALL BE SET GEFORE BOLTING CROSS FRAMES OVER FRONT WALLS.

THE MAIN LOAD CARRYING MEMORY COMPONENTS SUBJECT TO RENSLE STRESS SHALL COMPONENT THE SUPPLEMENTAL REQUIREMENTS FOR NOTION TOUCHNESS ZONE 2. THESE COMPONENTS ARE THE TENSION FLANGES, WESS AND ALL SPACE PLATE MATERIAL OF THE STREEL SHOERS.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60.

SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC, 6" X 8" - W4.0 X W4.0, WEIGHING 58 LISS, PER 100 SQ. FT.

SEARING SEAT SURFACES SHALL BE CONSTRUCTED OF ADALSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8 INCH. ADALSTED TO THE SHALL BE MADE EITHER BY GRINDING THE SURFACE OF BY SHUMING THE BEARING, TWO 1/8" ADALSTING SHAMS, OF THE DIMENSIONS OF THE TOP BEARING FLATE, SHALL BE PROVIDED FOR EACH BEARBING PLATE, IN ADDITION TO ALL OTHER PLATES OR SHAMS.

THE CONTRACTOR SHALL DRIVE ONE CONCRETE TEST PILE IN A PERMANENT LOCATION AT THE FRONT AND REAR WALLS OF BOTH ASUMMENTS AS DIRECTED BY THE ENGINEER DEFORE ORDERING THE REMANDER OF PILES.

ALL STRUCTURAL STEEL FARMCATORS PERFORMING WORK ON THE MADE LOAD CARRYING COMPONENTS OF STEEL STRUCTURES SHALL BE CONTINUED UNDER CATEGORY II (AISC) OF THE QUALITY CERTIFICATION PROGRAM.

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUCSTR.	TOTAL	
Porous Granular Embankment	Cu. Yd.		294	294	1
Structure Excevation	Cu. Yd.	-	812	812	1.
Protective Cost	Sq. Yd.	892		862	
Class X Concrete Superstructure	Gu. Yd.	269.2		269.2	3.
Erecting Structural Steel	L.S.	1		1	1
Stud Shear Connectors 3/4" Ø	Ea,	965		368	ł-
Reinforcement Bors	Lb.	-man-manager	24,630	24,650	1
Reinforcement Bays (Epoxy Coated)	Lb.	64,490	7040	71,530	ŀ.
Concrete Piles	Uni Pt.	Rectific as and closeds	2526	2520	3
Test Piles (Concrete)	Ea.		4	\$]
Name Plates	Ēa.	1		;	1
Slope Woll (4")	59. Yd.		170	170	3.
Erecting Elastomeric Bearing Assembly, Type I	Ea.	Bally Party	16	15	1
Tiedown Device	Ea.	100 YO - 100 YO - 100	1 6	8	1
Geocomposite Wall Drain	Sq. 76.		1 97.6	97.6	
Closs A Concrete	Cu. Yd.		302.2	392.2	1.
Class X Concrete	Cu. 10.		294.0	294.0	1
Screen Ponel	Ea.	- El	A CONTRACTOR	6	
Rubbed Finish (Modified)	Sq. Fr.	:576	359	2429	1
Pipe Droina, 6" @ (Special)	136.75		260	260	<u>]-</u>
Bridge Deck Groowing	Sq. Nd	706.2		706.2	1
Furnishing and Erecting Structural Steel	1.8	6930		5950	

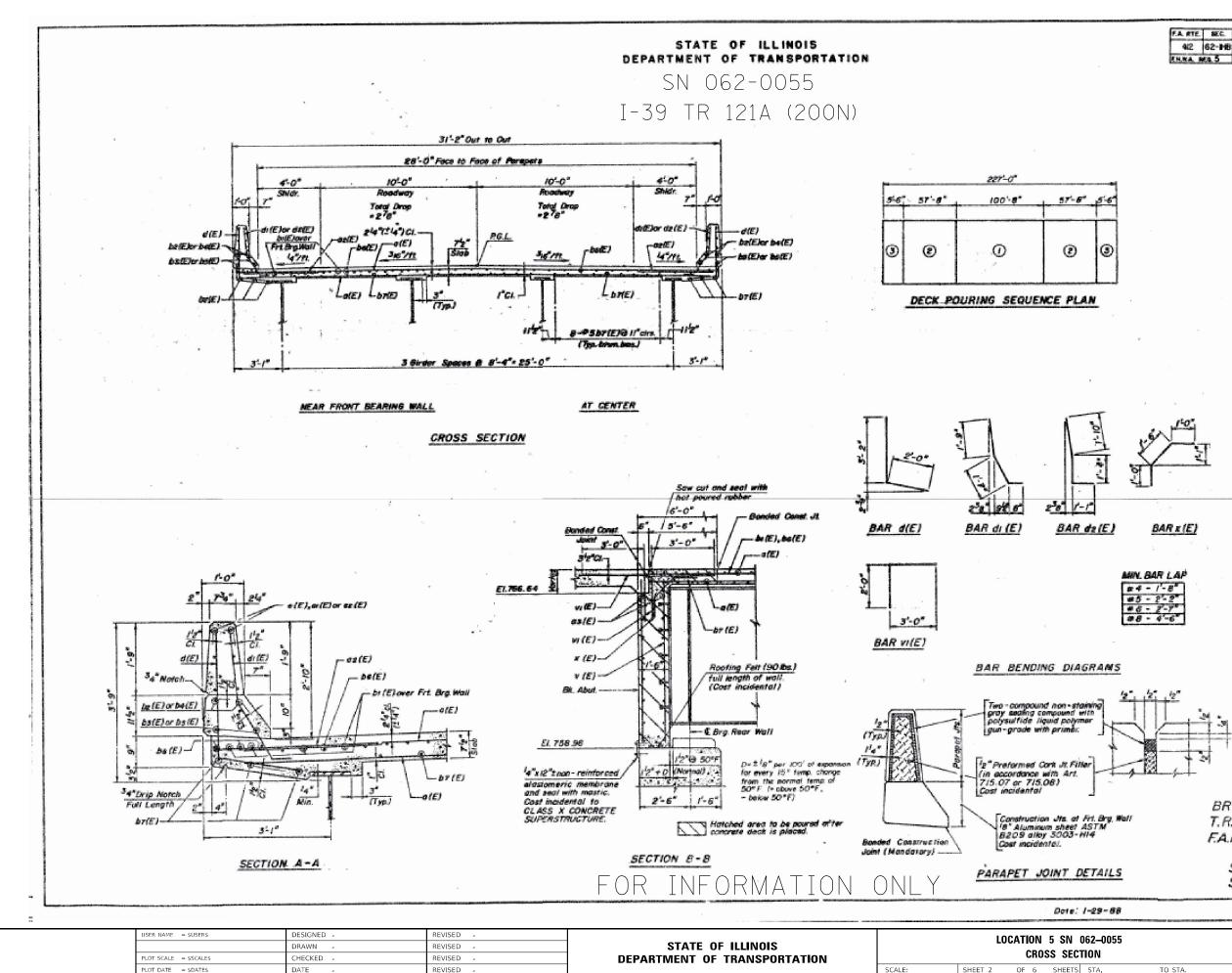
* Includes Bridge Deck Surface of 706 Sq. Yo.



GENERAL PLAN T.R. IZIA OVER F.A.P. ROUTE 412 E.A.P. ROUTE 412 - SEC. 62-IHB MARSHALL COUNTY STA 1128+92.07 (EA.P. 412) STRUCTURE NO. 062-0055

I 062–0055		F.A. RTE	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
TION VIEW			VAR	D-4 BRIDGE PAINTING 2022		2022	*	51	31
110		CONTRACT NO. 6		NO. 68	3G57				
TS	STA.	TO STA.	-	ILLINOIS FEI		FED. A	D PROJECT		

.WOODFORD AND MARSHALL

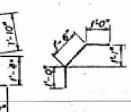


F.A. ATE.	8EC.	COUNTY	NOTAL SHEETS	Bell?	SHEET	Ne.: 5
962	62-MB	MARSHALL	65	20		
EH.RA B	EG. 5	ILLINGS PROJEC			新电	ETA: (3

SUPERSTRUCTURE BILL OF MATERIALS

BAR

NO. SIZE LENGTH SHAPE



#4	٠	1-8"
#5	-	2-2
#6	•	2-7
#8	-	4-6

BRIDGE DECK CROSS SECTION T.R. IZIA OVER F.A.P. ROUTE 412 F.A.P. ROUTE 412 - SEC. 62 - IHB MARSHALL COUNTY STA. 1128 + 92.07 (F.A.P. 412) STRUCTURE NO.062-0055

VOLLMER ASSOCIATES SECTION COUNTY VAR D-4 BRIDGE PAINTING 2022 51 32 CONTRACT NO. 68G57

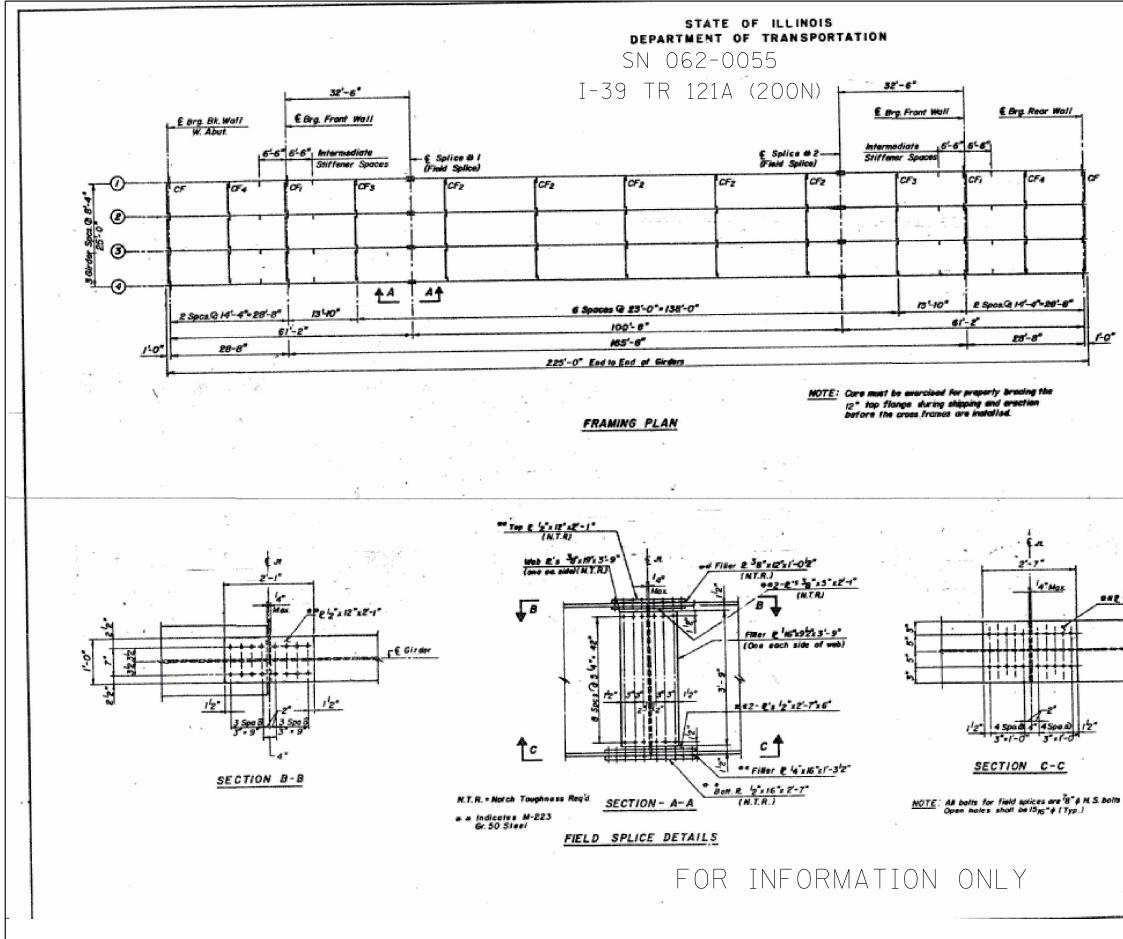
-WOODFORD AND MARSHALL

0 (E	660	#5	30-0	
## (E.	496	#5	\$-0°	And the second
a316	32	#5	28-7	Non-Anto-Sale
	1			
	1			
	1	1		
81 (E	186	#6	25-1"	
621E	1 16	48	30-4	
03 (E	1 16	95	30'-4"	
64 10	112	**	37-8	-
65 18	11 12	#5	36'-1"	
100/E	1 230	#5	34-6"	BAT DO BOOK
67 (E	1 840	#5	30-3	
	1	-		
	T			
\$ 18	/ 456	# 6	5'-2*	L
61 1E		#5	d-0"	5
de (E		#5	4-3"	-
and the second second		1		
+ 18	95	#4	15-2"	
01 fE		#4	12'-0"	
0215	1 48	#4	19'-10"	
		And a second second	1	
¥ 16	1 120	44.0	U-3"	
WI 1E	1 120	# 5	5-0	1
1 18	1 60	# 6	3.6	1
and one design	ITEM	UNIT	CUANTTY	
Class	Y CONIC SUP	Ca Yes.	269.2	
	nforcement paxy Coar	LD#	54,490	

Bars indicated thus 1x3-#0 etc., indicates one lief of bots with three lengths per line.

Reinforcement bore designated (E) shall be every coated

Work this sheet with sheet 4 of 13.

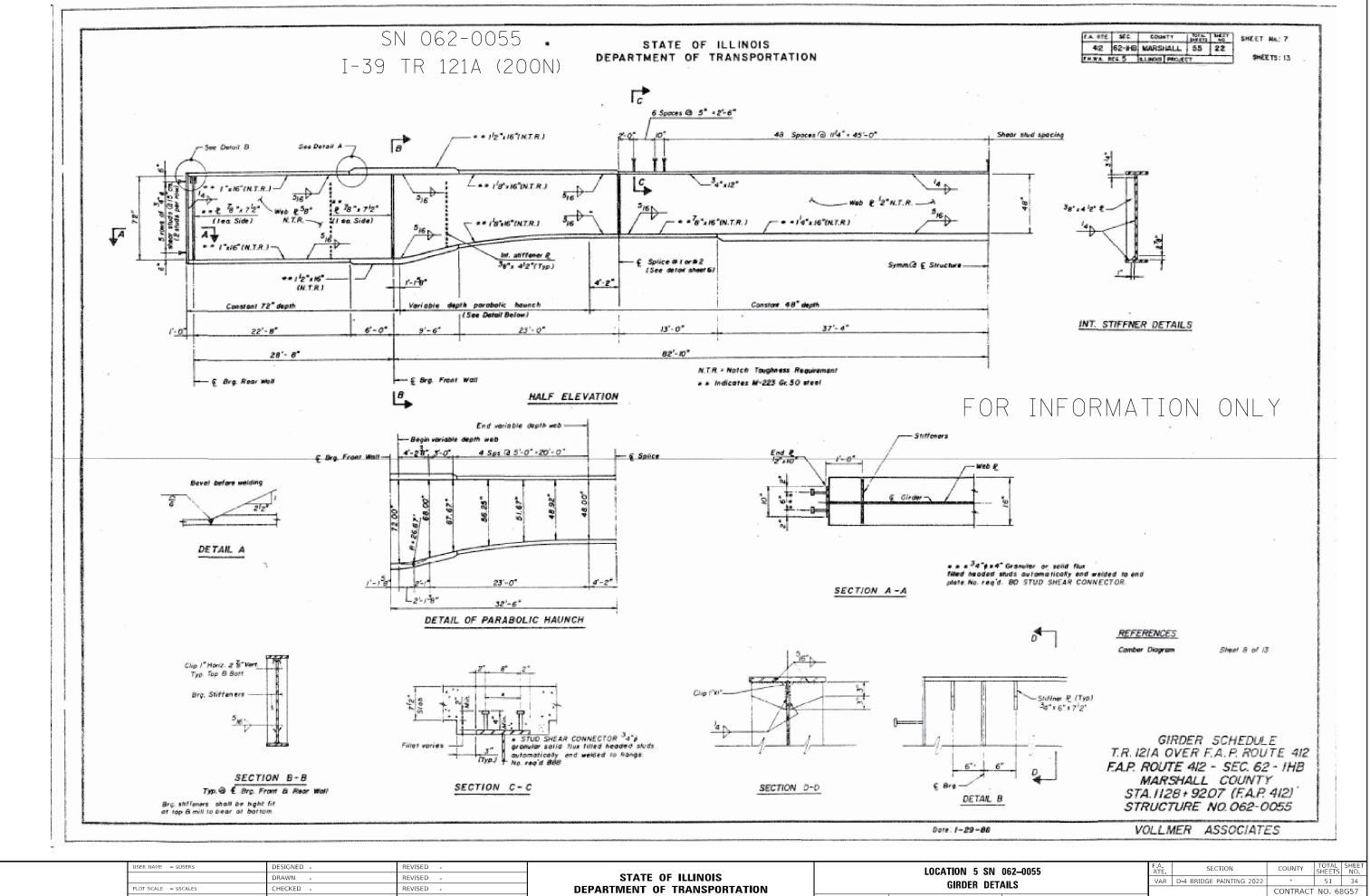


USER NAME = \$USER\$	DESIGNED - DRAWN - CHECKED -	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		LOC	CATION Flam	5 SN Ming P	
PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET 3	OF 6	SHEETS	ST.

SMODELNA ME: \$FILEL\$

P.A. STE SEC. COUNTY DEST GHEET HAL G 42 62-118 MARSHALL 85 21 \$MEETS: 13 EN.WA BES. 5 RLEADES PROJECT 36 REFERENCES \$12 2 16 12 7 Sheet A of 13 Cross Frame Details & Erection Sequence Shoet 7 of B **Birder** Schedule - C Girder FRAMING PLAN T.R. I2IA OVER F.A.P. ROUTE 412 F.A.P. ROUTE 412 - SEC. 62 - IHB MARSHALL COUNTY STA. 1128 + 92.07 (F.A.P. 412) STRUCTURE NO.062-0055 SECTION 062-0055 COUNTY VAR D-4 BRIDGE PAINTING 2022 51 33 .AN CONTRACT NO. 68G57 STA. TO STA.

WOODFORD AND MARSHAL



PLOT DATE = \$DATE\$

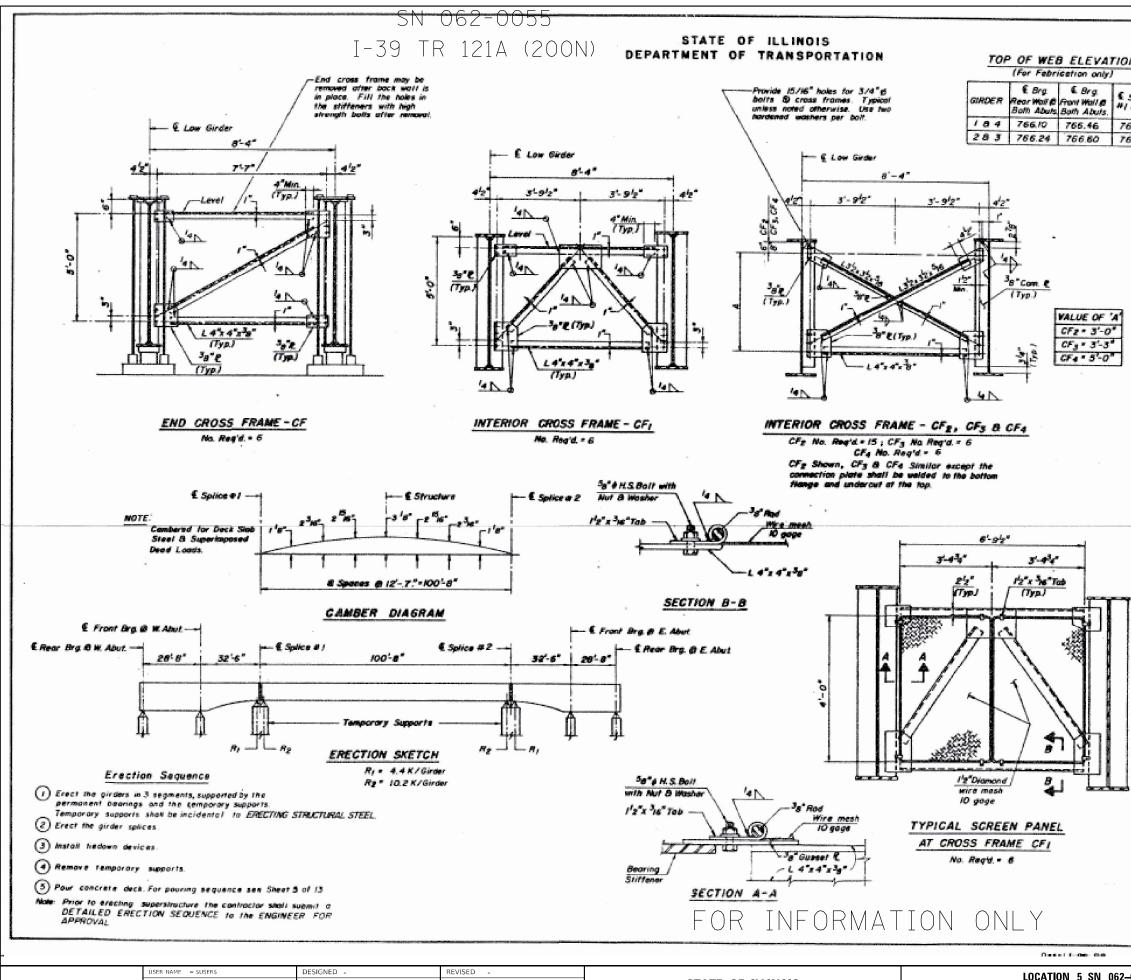
DATE

REVISED

DEPARTMENT OF TRANSPORTATION SCALE: SHEET 4 OF 6 SHEETS STA.

WOODFORD	AND	MARSHALL

TO STA.



LOCATION 5 SN STATE OF ILLINOIS DRAWN REVISED **CROSS FRAME** LOT SCALE = \$SCALE\$ HECKED REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: SHEET 5 OF 6 SHEETS PLOT DATE = \$DATE\$ DATE REVISED

4 i	TION
9 5.	€ Splices #/ G # 2
1	766.86
	767.00

	110 1 401	RIOR GIRDE	ĸ
Propert	y	€ Brg Front Wall	EMiddle Spor
18	(m4)	84,276	20.679
Ic	(in.4)	And a second sec	54,619
\$s	(in 3)	2,247	1,029
Š¢.	(in 2)		1,402
Z	(in2)		
6	(KA)	1 425	1.031
Мξ	(W)	3,200	903
se	18:47		0.423
Msê	PRI		424
₩f	(K)	1,286	937
Manp.	ORT	374	272
5 ₅ (M&+I)	OK I	2,767	2,015
Ma	PKI	8,416	4,345
Mu	(K)		
Ist non-com		19.79	10.53
Ist comp.			3.63
15-3 (4+1)			17.23
1s (overload			31.39
neets (Tota		44.94	40,81
VR	(K)		54.0
R x Fy	(K.S.L)	50.00	48.74

P.A. NTE SEC. COUNTY HERE'S SHEET No.: 8

Is and Ss are the moment of intertia and section modulus of the steel section used in computing is Total. Ic and So are the moment of inertia and section modulus of the composite section used in computing is Total, **It is the reduction** factor for Hybrid Section.

Non-compact section

Ma (Applied Moment)= 1.3 [ME + MsE + ³3 (ME + I)]

VR is the maximum 1.+ impact shear range in span. fs (Total) is the sum of the stresses due to L3[At€+Hs€+^a₃(H'E+T]]

- REACTION-INTERIOR GIRDER

	C Be Rear	§ Bearing Front Wall	
	" Max. Upliff	Final Looding	Final Loading
R E	-124.87	-107.04	275.12
Ri		-55.78	109.22
ing.		-/1.42	31.71
R Total	-124.87	-174.24	4/6.05

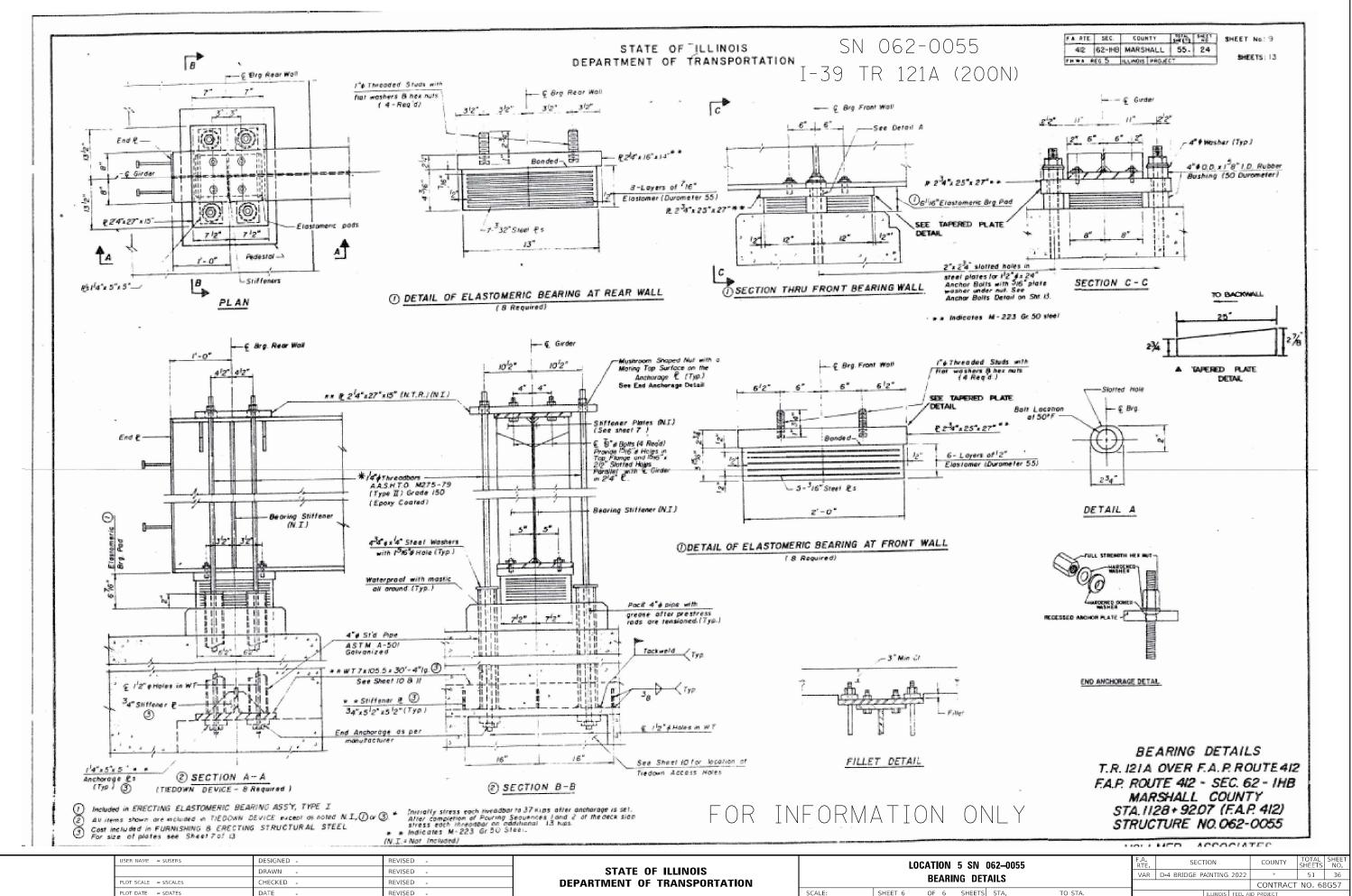
* Looding for Max Dead Lood Upliff.

MOTES FOR TYPICAL SCREEN PANEL

- I. & HIDICATES STANDARD GASE FOR ANOLES.
- 2. CLIPS SHALL BE PROVIDED FOR PERMANENT SOREEN PARELS
- 3. ONE ACCESSIBLE SCREEN PANEL SHALL BE PROVIDED AT EACH FRONT ABUTMENT.
- PROVIDE HUNDED TARS AT CONNECTIONS TO THE CONNECTION PLATES FOR THE ACCESSIBLE SCREEN PANEL ONLY.
- 5. STANDARD CONSTRUCTION
- I MESH I'VE DIANOND
- 2. WIRE I NO 10 WASHBURN & MOEN GUAGE 3. FRAME - 3/8' ROUND ROO
- 6. ALL MATERIALS TO BE GALVANIZED.
- 7. TWO WIRE-NESHED PRANES SHALL BE PROVIDED FOR CACH SCREEN PANEL
- B FOUR TABS SHALL BS FRONIDED FOR EACH WIRE MESHED FRAME

CROSS FRAME DETAILS T.R. IZIA OVER F.A.P. ROUTE 412 FA.P. ROUTE 412 - SEC. 62 - IHB MARSHALL COUNTY STA. 1128 + 92.07 (F.A.P. 412) STRUCTURE NO.062-0055

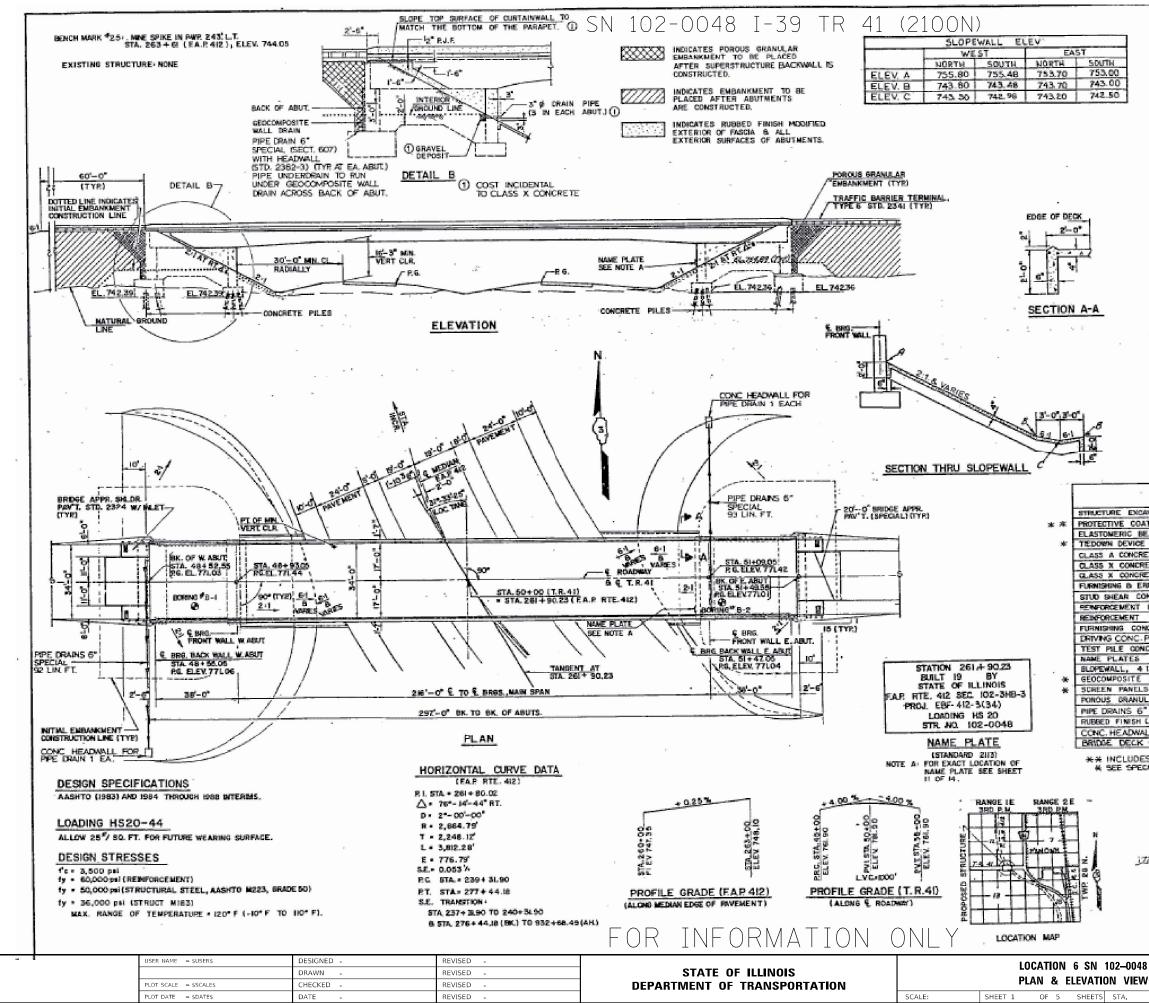
a		~ · ·						
062–0055 DETAILS		F.A. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		VAR	D-4 BRIDGE PAINTING 2022			*	51	35
						CONTRACT	NO. 68	3G57
TS STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		



DATE

OF 6 SHEETS STA. SHEET 6

.WOODFORD AND MARSHALL



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5.00]
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ROUTE NO.	SZCTION	COUNTY	TOTAL SHEETS	SHEE NO.
FAR 412	62-348-3	WOODFORD	62	23
FED SCAD	DIST, NO. 7	ALL MOIS PED.	ALD PROJE	ст

GENERAL NOTES

1. SEE PROPOSAL FOR BORING DATA.

- 2. Institutions should be finde streament bound. Bound $1/6^{\circ}\phi,$ over bound $15/16^{\circ}\phi$ streams otherweigh bound.
- 406,200 LES. DASHO M23, 62.50) 14,150 LES. DASHO M833 2,050 LES. DASHS A501) 3. CALCULATED MEDGET OF STRUCTURAL STEEL =
- WE SING-SILICHER AND VEWL PART STREET SHALL BE USED FOR SHED AND FILLD PARTING OF SINGULAR STREET SALEY? WHERE COMPARES WORD.
- FIELD WELDERS OF CHERENCIDON ACCESSIONES WILL NOT ES FERRITIED TO THE ROTION FLANGE OF CHEREN NOR TO THE TOP FLANCE FOR ALL OF SENSE 1 NOT 3 NO IN SENS 2 A DESTINCE SERVE. TO CHE-FORMEN THE SENA LEPOSIT FICH THE FROM WALL OF THE MUNDERS, FILL MELDING IN OTHER AND/A MILL HE REMITTED ONLY MEN APPENDE IN THE EMULATER.
- 6. DECHOR BOLDS STALL BE ONT REFORE HOLTING CREASINGHES OVER SUPPORTS.
- THE WAIN LOAD CONTINUE HERE'S CONCOUNTS ENDEDT TO TRASTLE STRUCK SHALL CONTINUE TO THE SUPPLYENCEL RECEIPENTH FOR HOTER TOCHNICK LONE 2. THESE CONFERENCE ARE THE TENSION PLANEES, WERE NOT ALL EPLICE PLATE PATHONEL OF THE STICL GIRLEDG.
- 5. HEIRFORCEMENT BARS SHALL CORPORE TO THE REQUIREMENTS OF ALSEED H-31, H-42 or H-53 (SALE 60.
- slope will small be beindship with width with which, 6^{*} X 6^{*} wild x wild, weinding 58 Les. For 100 SQ, F7.
- 12. THE DEPARTMENT CONFIGURATION SHOW SHILL BE THE MONTH DELASH THAT MUST BE CONSTRUCTED FROM TO CONSTRUCTION OF THE ADDRESS
- REARING SIME SUBJACES FOR THE FLATE GIBBLES SULL SE CONSTRUCTED ON ADJUSTED TO THE RESIDENCES DIAMATICS: WITHIN A SUBJACE OF 1/8 DOM. ADJUSTMENT SHALL BE MORE ETHERE IN COMMUNE THE SUBJACE OR IN SUBJACES THE BRANCH, TWO 1/9" ADJUSTMENT STREES, OF THE DOMESICIES OF THE TOP HEARING PLATE, SHALL BE PROVIDED FOR EACH HEARING IN ADDITION TO MAL 11. OTHER PLACES ON SHIPS AND PLACED AS DETAILED.
- THE CONTRACTOR SHALL DRIVE ONE CONCERNE TEST FILE IN A PERMANENT LOCATION AT THE FRONT & REAR WALLS OF LACE ADMITHENT AS DESCRID OF THE CAMPACE SHORES. 12.
- ALL STRUCTURE STREE DASIGNAUXS PERIORMUK WAR OF THE MAIN LAND CAURTING INFORMATION STREE STRUCTURES SHALL IN CHIEFFIED UNDER CONTACT III GAINCH OF THE QUALITY CHIEFFUCTION DECEME.

		150 million - 160 million		
- ITEM	UNIT	SUPER	SUB	TOTAL
		STRUCT,	STRUCT	
TURE EXCAVATION	CU YD.	-	1375.0	1375.0
CTIVE COAT	SQ. YD."	1360	-	1360
TOMERIC BEARING ASSEMBLY TYPE I	EACH	20		20
WN DEVICE	EACH	10	_	10
A CONCRETE	CU. YD.		430.6	431.6
S X CONCRETE	CU. YD.	_	4852	485.2
S X CONCRETE SUPERSTRUCTURE	CU YD.	363.4		363.4
SHING & ERECTING STRUCTURAL STEEL	L SUN		-	1
SHEAR CONNECTORS	EACH	1605	-	1605
ORCEMENT BARS	POUND	-	47,480	47,480
ORCEMENT BARS, EPOKY COATED	POUND	91,040	12,900	103,940
ISHING CONCRETE PILES	LIN. FT.	-	5734	5734
NG CONC. PILES	LIN.FT.		5734	
PILE CONCRETE	EACH		4	4
PLATES	HOA3			1
EWALL, 4 IN.	SQ. YD.		358	358
OMPOSITE WALL DRAIN	SQ. YD.	-	82	62
EN PANELS	EACH	8		8
US GRANULAR EMBANKMENT	CU. YD	— —,	560	560
DRAINS 6" SPECIAL	LIN. FT.	-	185	185
ED FINISH (MODIFYED)	50. FT.	1605	1500	3106
C. HEADWALLS FOR PIPE DRAINS	EACH	-	2	2
DE DECK GROOVING	5Q.YD.	1052		1052

TOTAL BILL OF MATERIAL

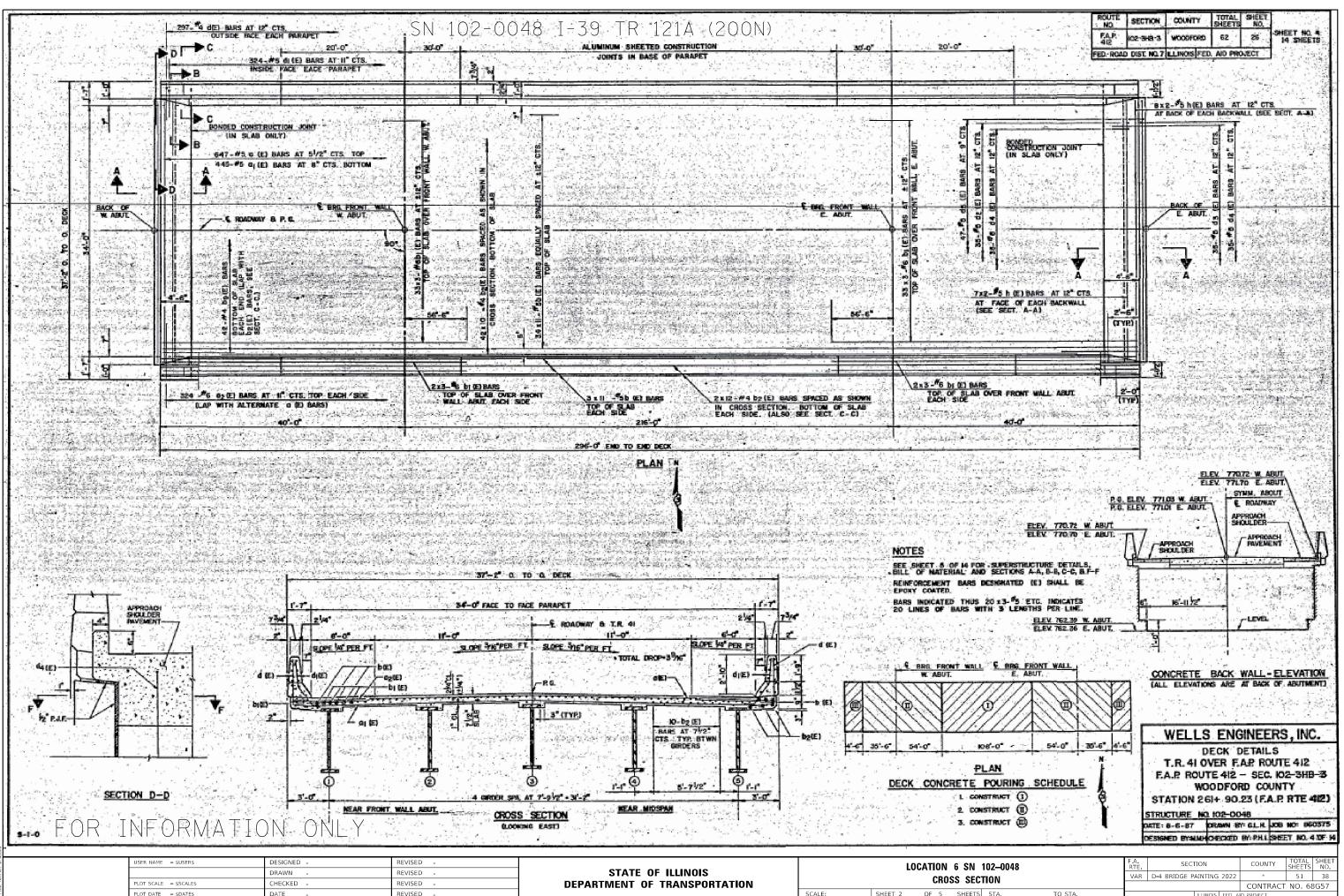
** INCLUDES BRIDGE DECK SURFACE # SEE SPECIAL PROVISIONS

FOR STRUCTURAL ADRIELACT ONLY W Clark and Ringiani Eatings

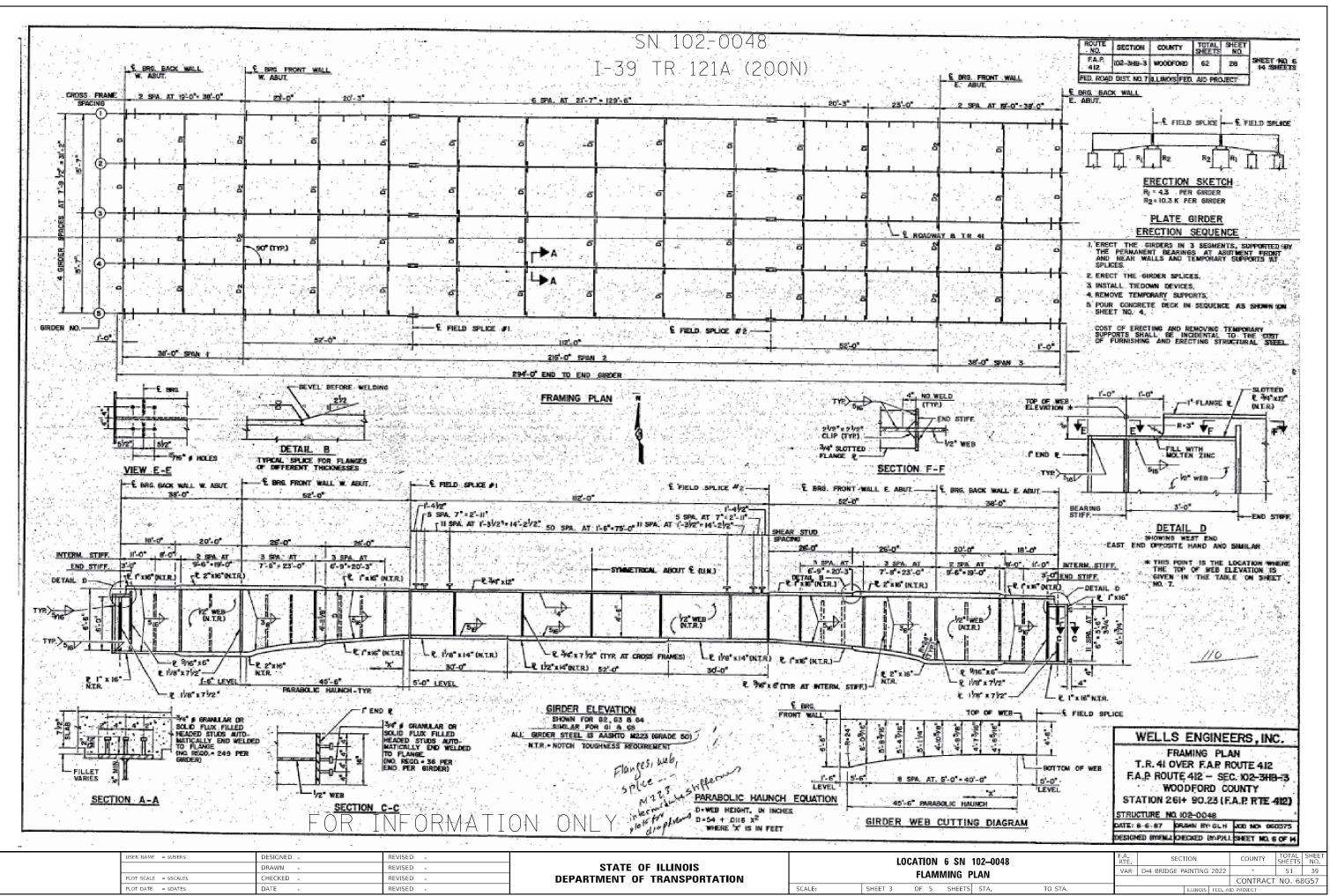
APPROVED

WELLS ENGINEERS, INC. Iteren P. Hadrocks GENERAL PLAN T.R. 41 OVER F.A.P. ROUTE 412 F.A.P. ROUTE 412 - SEC. 102-3HB-3 WOODFORD COUNTY STATION 261+ 90.23 (F.A.P. RTE. 412) STRUCTURE NO. 102-0048 DATE 12-10-66 DRAWN BY CAR JOB NO. 890375 WISIGNED BY K.P. CHECKED BY:PHIL SHEET NO. I OF 14 VAR D-4 BRIDGE PAINTING 2022 51 37 CONTRACT NO. 68G57 TO STA

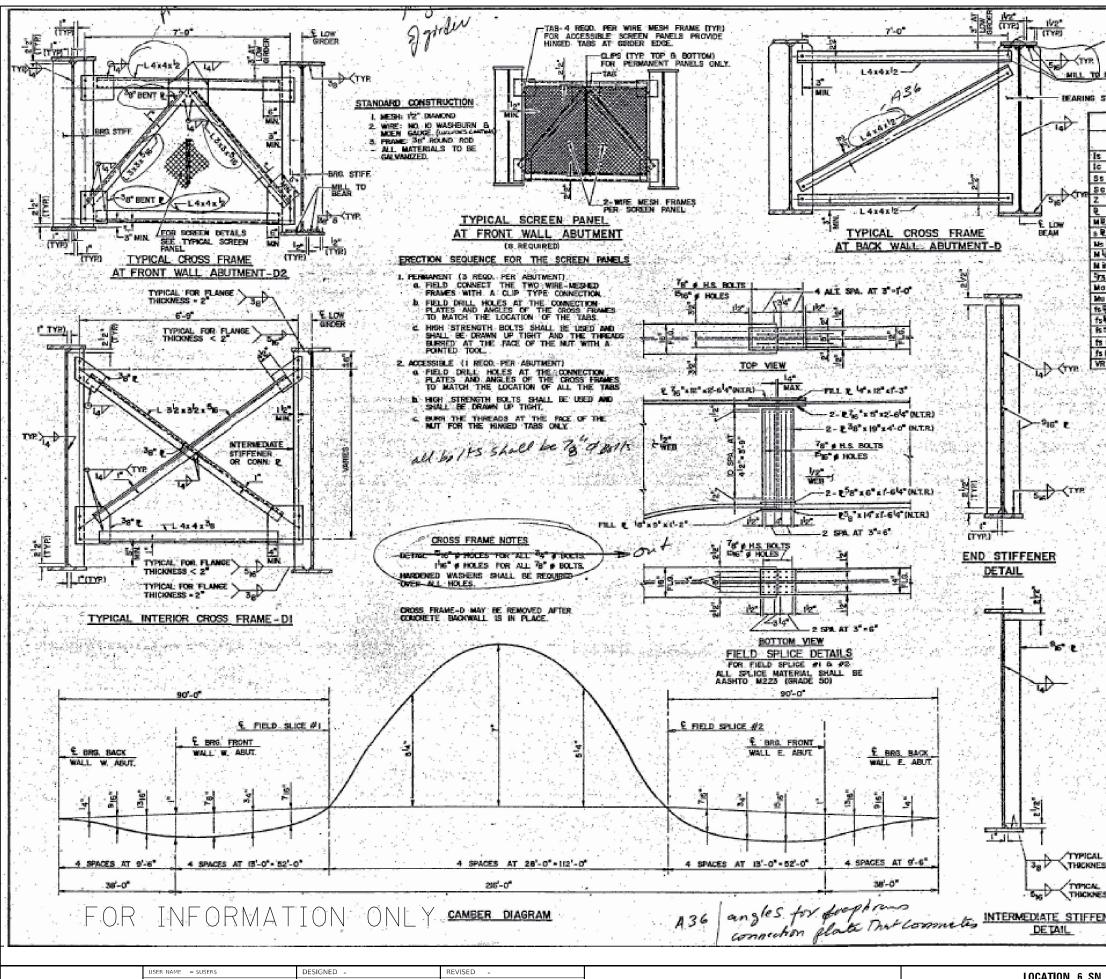
.WOODFORD AND MARSHAL



OF 5 SHEETS STA SHEET 2



WOODFORD AND MARS



LOCATION 6 SN STATE OF ILLINOIS DRAWN REVISED FLAMMING LOT SCALE = \$SCALE\$ HECKED REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: OF 5 SHEE LOT DATE = \$DATE\$ SHEET 4 DATE REVISED

To.	4		IN SECTION	COUNTY		EET NO.	т.
1,100	074	11 B	A.P. 102-3HB	a woodford	62 2	9 SHEET	HEETS
No	. 15		ROAD DIST. NO.	7 ILLINCIS FE	D. AID PROJEC	т .	
· A	2011	6° : 6555	CNI 1	$n \rightarrow c$	10.10		54 S
BEAR	. 197 C.		SIN I	02 - 0	1040		2.3
	с ,	• ~ _ * · *	· · · ·				1. 24
STIFF		I-39	9 T.R.	1214	<u>\ (2C</u>	10N	
1		INTERIOR	GIRDER M	OMENT T	ABLE	<u> </u>	1.2
	1.5	0.47 521	FENT ABTS.	0.68 522	0.62 SP.2 0.88 SB 2	0.50 SR2	al a la
ITEM	10.00	69704	122194	37535	24592	27496	
the second s	(in4) (in4)	69704	ICC104	20.000	64359	74987	
	663)	1743	2980	1228	1004	(2)7	1.1
s	(in3)	1043		1997 T L	1407	1694	승규는 것
c	(in ³)		-	-	-		
	(KA) 5	1.40		1.36	0.94	0.94	
and the second se	CK)	-2346	-5414	-2238	1049	1406	1.5.3
	(KA)				0,35	0.35	1. 1.6
and the second sec	C(X)		-		617	748	
1 २ वर्ष .	Ск)	- 935	-1994	-769	1135		
ino.	(°50	-105	-395	-152)67	198	8 . A . A
5 (MIL+D	CK)	-1967	-3962	- 1535	2170	2573	
0	C10	-5438	-12215	-4905	4987	6139	1
U	(K)	1 A 1, 100	,	2	2 1 1 1 - 1		1. A.
P. NON-COMP	(KS1)	15.9	21.8	21.9	12.5	13.8	1 1 1 1
E COMP.	(0.51)	1 1 1 - 1 - 1			5.3	5.3	
53(+1)	(K.S.1.)	12.9 2.4	16.0	15.0	18.5	16.2	
(WERLOAD)	(KSI)	28.8	37.0	36.9	36.3	37.3	ist.
(TOTAL)	(K.S.I.)	374	48.1	48.0	47.2	48.5	
R Section 2	(10	, is, si ,≨			68.6	<u> </u>	4 ° 6 1

1000	INTERIOR GIRDER RE	LACTION TABLE	
ITEM	BACK WALL ABUT.	FRONT WALL	ABUT.
RQ (8	the second se	312.7	
R4. (K	- 58.8	128.4	5
IMP (K	- 8.6	17.0	5,000
RTOTAL OR	-193,8	458.1	1

HO (APPLED MOMENT) -13 [42 + MS 2 + 53 (44 + 1)] IS AND SS ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE STEEL USED IN COMPUTING IS (TOTAL AND OVERLOAD). IC AND SO ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE COMPOSITE SECTION USED IN COMPUTING IS (TOTAL AND OVERLOAD) VR IS THE MAXIMUM & + MOACT SHEAR RANGE IN SPAN.

IS (TOTAL) IS THE SUM OF THE STRESSES. DUE TO 1.3 [M 2 + HS 2 + 5/3 (N++1)]. fs (OVERLOAD) IS THE SUM OF THE STRESSES DUE TO ME + MS R + 5/3 (ML + I)

M & - NOMENT DUE TO DEAD LOADS ON NON-COMPOSITE SECTION. WS - MOMENT DUE TO DEAD LOADS ON COMPOSITE SECTION. MIL-MOMENT, DUE TO LIVE LOAD ON NON-COMPOSITE OR COMPOSITE

SECTION.

- I - LIVE LOAD IMPACT.

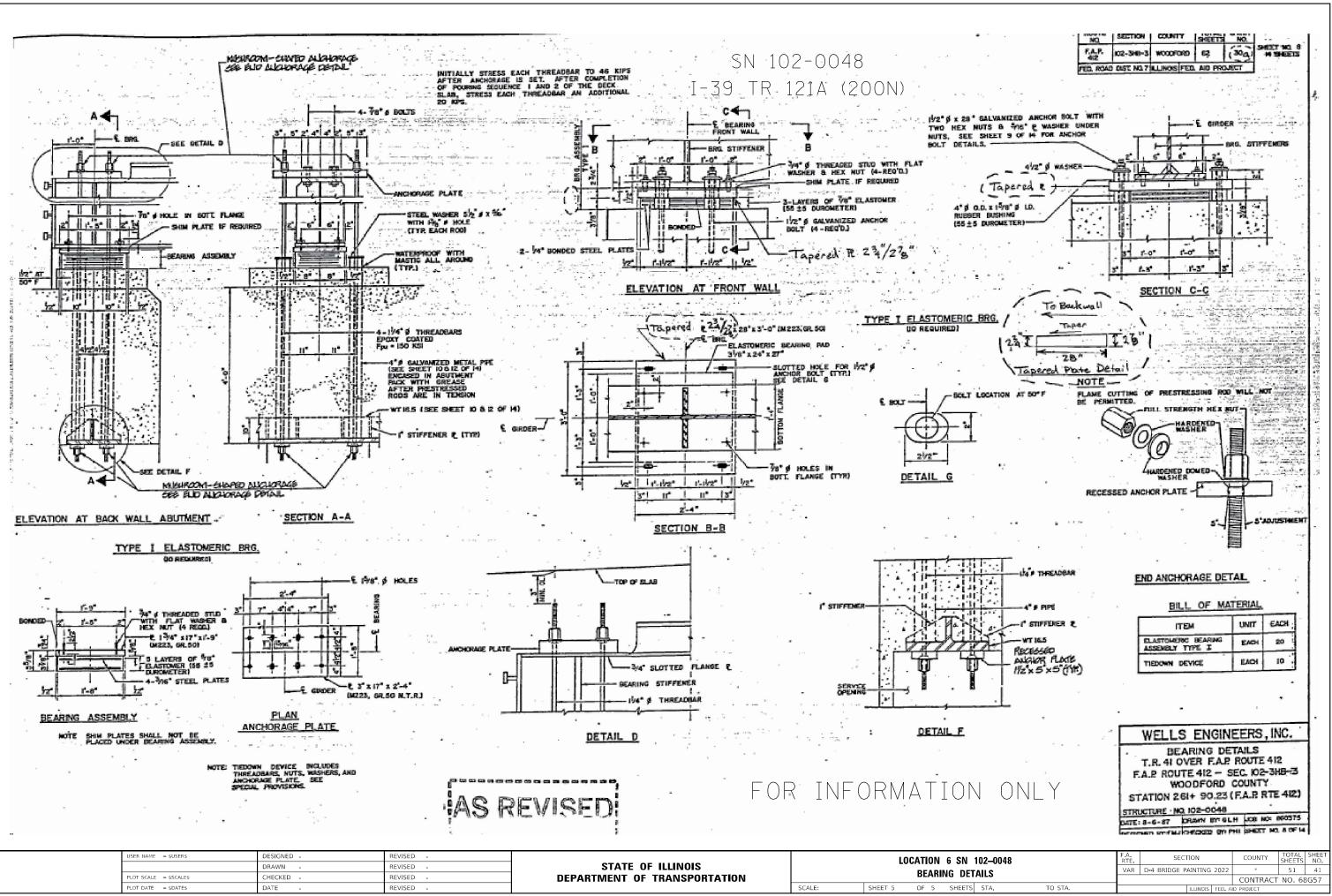
	GIR	DER NUMBE	RS .
· · · ·	18.5	284	3
E BRG. BACK WALL W. ABUT.	769.94	770.08	770.21
E BRG, FRONT WALL W. ABUT	770.32	770.47	770.59
E FIELD SPLICE #1	771.04	771,19	771.31.
E FIELD SPLKE #2	771.03 -	771.10	771.30
E BRG. FRONT WALL E. ABUT.	770.30	770.45	770.57
E BRS. BACK WALL E. ABUT.	769.91	770.06	770.18

1.5

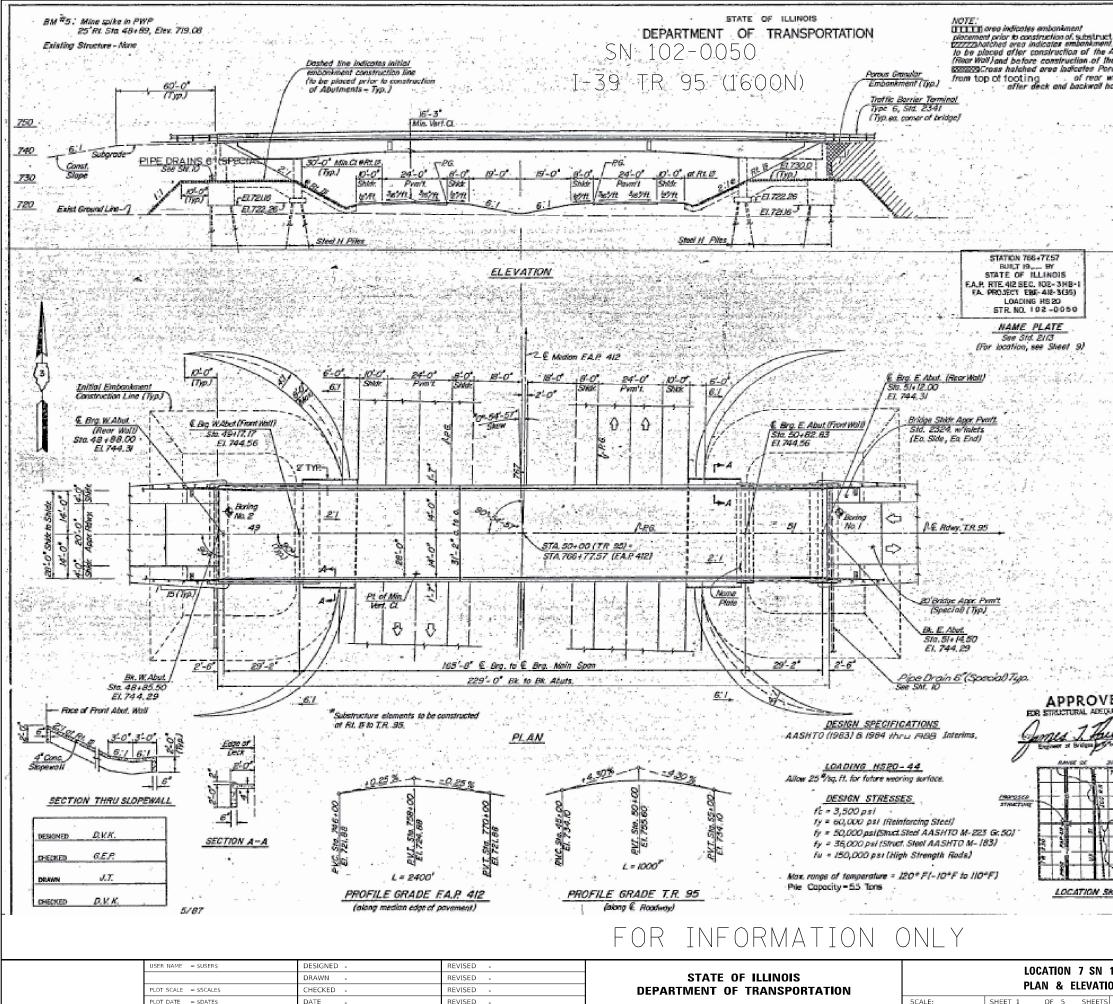
1947 A. S. 1928

		WELLS	S ENGINE	ERS, INC.
FOR FLANGE 5 = 2		T.R. 4I O E.A.P ROU	AMING DETA VER F.A.R R TE 412 - SEC	OUTE 412 2. 102-3HB-3
FOR FLANGE	195			A.P. RTE 412)
		STRUCTURE NO	102-0048	
ER			DRIGHN BY: B.N.	108 NOT 060375
	- 1	DESIGNED BITFMJ	CHECKED BY PHI	SHEET NO. 7 OF 14

102–0048		F.A. RTE	SEC	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.	
P	VAR D-4 BRIDGE PAINTING 2022 *		51	40					
•				CONTRAC			CONTRACT	NO. 68	3G57
S	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		



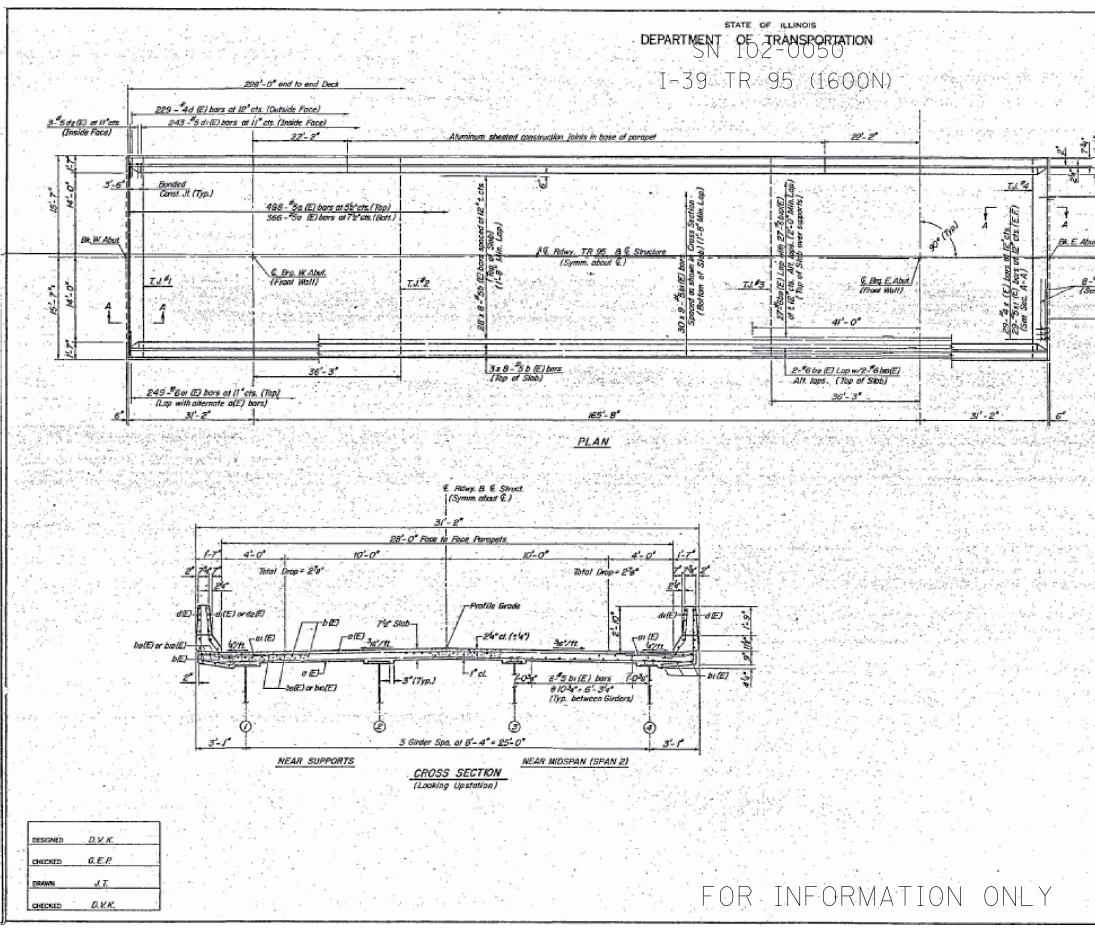
[•]WOODFORD



SHEET 1 OF 5 SHEET

e		LLL	CZ-3HB-1	WCODFORD	37 14	<u>н</u>	SHEETS	
e tment		A.A.R. 412		ALMON ITA	AID PROJECT	-	, i	ć
uperstructure,		area co						
: Granular Embl To subgrade	ankment .			5 - 16 -	i,	- i - j	· · · · ·	1
been poured.	,	GENER	AL NO	TES	· - * ·			
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				-125000	Los IN-		ā.	
Calculated we	ight of Structura	1 Steen		107,000	Lbs. (M-		w : : .	1
See sheet	I of Il for B	oring De	orba '			4		
The Znc-silc	ale and vinyi pab	at system	n siral be	used for si	hop and fi	eld paintin	ю of _	
	el except where	100000000000000000000000000000000000000		a a contrar Alferti	- ¹⁹ 14-19	-	·	зŤ
Slopewall sha	i be reinforced i	with world	led wire f	abric, 6°26°	-W4.0xW	1.0, weigi	hing	1
58# lbs. per l		1.1.1					1.1.2	r -
Field weiding of the pirders	of construction of nor, to the top flo	nceassori nde from	ies will no airder ei	ot be permit nds to splice	ied to the . Field we	bottom Jding in a	tlange ther	ŵ
	permitted only wi						한 같은	50
	1. 1 h .	- 10		2		1.50%	1.1.1	
Anchor bolls	sholl be set befo	ve bollin	g cross fr	omes over s	mpports.			1.14
Bearing seal :	surfaces shall be	constru	cled or a	gusted to ll	e designa	ied eleve	dians 🛁	12
within a talera by shinming ti	ince of a. Adjus to bearing. For T	itment sh 'ype I Elo	ol be mo slomeric	ide either by Bearings, fe	' griaanig i io '8' shim	ne surro s of the	टक या र्वातालाकोल	. 80
shown on Sht.	7 shall be prov	nded for	each bear	ing and place	d _, as details	ad 🚽	(No alog	έx.
The main loop	d corrying membe	er compo	nenis su	bjøct to tens	ile stress	shall con	nform to ²	1
the Secolome	ntal Requirements ages, webs, and a	e for Ma	Ich Towel	hness Zono	2. Herro (Componen	nis ore	悉
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	1. 1. C.	. <u>``</u>	S. Calerd	r la liga y	S. 199		8.24	1.
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See Sheel No	o,8 for Steel Eri	ection Se	филася.	ig di				
1				t hundhar at	a at Mar II	and Alexan		
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The contractor	shall drive two tes one at the East Al	t piles in	permanan	t locations, of as directed by	he at the W the Engin	est Abota eer befor	neat e ardening	
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The contractor Rear Wall and	shall drive two tes one at the East Al	t piles in	permanan	t locations, of as directed by	he at the K r the Engin	est Abata eer befor	nen) e andering	
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102–0050		F.A. RTE	SECT	FION		COUNTY	TOTAL SHEETS	SHEET NO.	
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			 				CONTRACT	NO. 68	3G57
S	STA.	TO STA.			ILLINOIS	FED. A	D PROJECT		



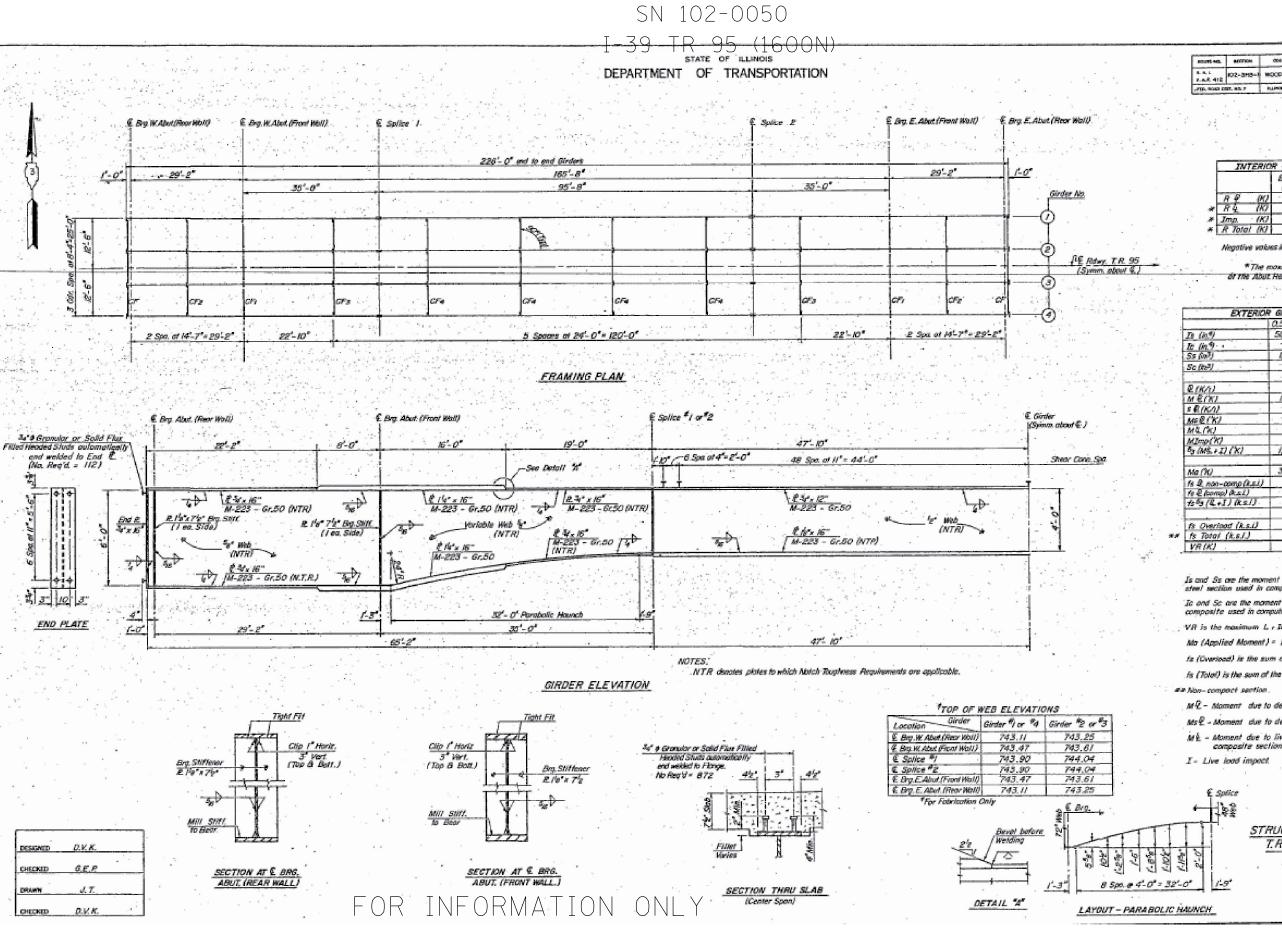
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2–0050	F.A.		R 95 SEC. WOO	over 102 - 3 DFOR	EA.P. 1118 - 12 CO	412

TO STA

CONTRACT NO. 68G57



USER NAME = \$USER\$	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		LOO	CATION FLAMIN	7 SN Ming P	10 91 /
PLOT SCALE = \$SCALE\$ PLOT DATE = \$DATE\$	CHECKED -	REVISED - REVISED -		SCALE:	SHEET 3	OF 5	SHEETS	
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	10, 8082 DBT. 80. 7		110	NO PROMI	tr .		

INTERN	OR GIRDER REAM	CTION TABLE
	E.B.W. Abots. (Rear Wall)	E.8 W. Abuts (Front Woll)
R & (K)	- 93.8	253.0
R4 1K)	-32.4	112.9
Imp. (K)	- 9.7	- 25.4
R Total (K)	-/35.9	391.3

Negative values indicate upliff condition.

* The maximum downward reaction for each gizter or the Abot Hear Wall is R& = 41.0% and Rz = 12.3k.

	0.5 So. 1073	Front Abut Wall	0.5 Sp. 2
Is (in.1)	51,196.5	73,100.8	-19,844.4
Ic (m.9			52,990.2
5s (in ³)	1,393.1	1,962.4	. 956.D
Se (m ²)			1,314,2
Q(K/1)	1.451	1.5/4	1.001
M €(%)	1,523.5	3,358.5	. 9.95,4
s 🖗 (KA)			0.380
MS @ ('K)		1	469.8
MILIN	645.9	1,309.1	1,087.2
MImp(K)	193.8	294.3	187.0
63 (MS.+I) (X)	1,399.4	2,672.3	2,123.7
Ma (%)	3.799.8	7.840.0	4,665.6
ts Q. non-comp (k.s.l)	13.12	20.54	12.49
te & komp) (ks.L)			4.29
ts = (2+1) (ks/)	12.05	16.34	19.39
fs Overload (k.s.l)	25.17	36,89	36.17
ts Total (k.s.l.)	32.72	47.94	47.02
VR (K)			58.3

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

composite used in computing is (Total Br Overload). VR is the maximum L + Impost shear range in spon.

Ma (Applied Moment) = 1.3 [M& + Ms & + S3 (M& + I)].

to (Overload) is the sum of the stresses due to MQ , Mc R -fullML+11 is (Total) is the sum of the stresses due to [3 [[10+10: 2+%(04±+1]]]. ## Non-compact section.

STRUCTURAL STEEL DETAILS

T.R. 95 OVER F.A.P. 412

SEC. 102-3HB - 1

WOODFORD CO.

STA.766+77.57

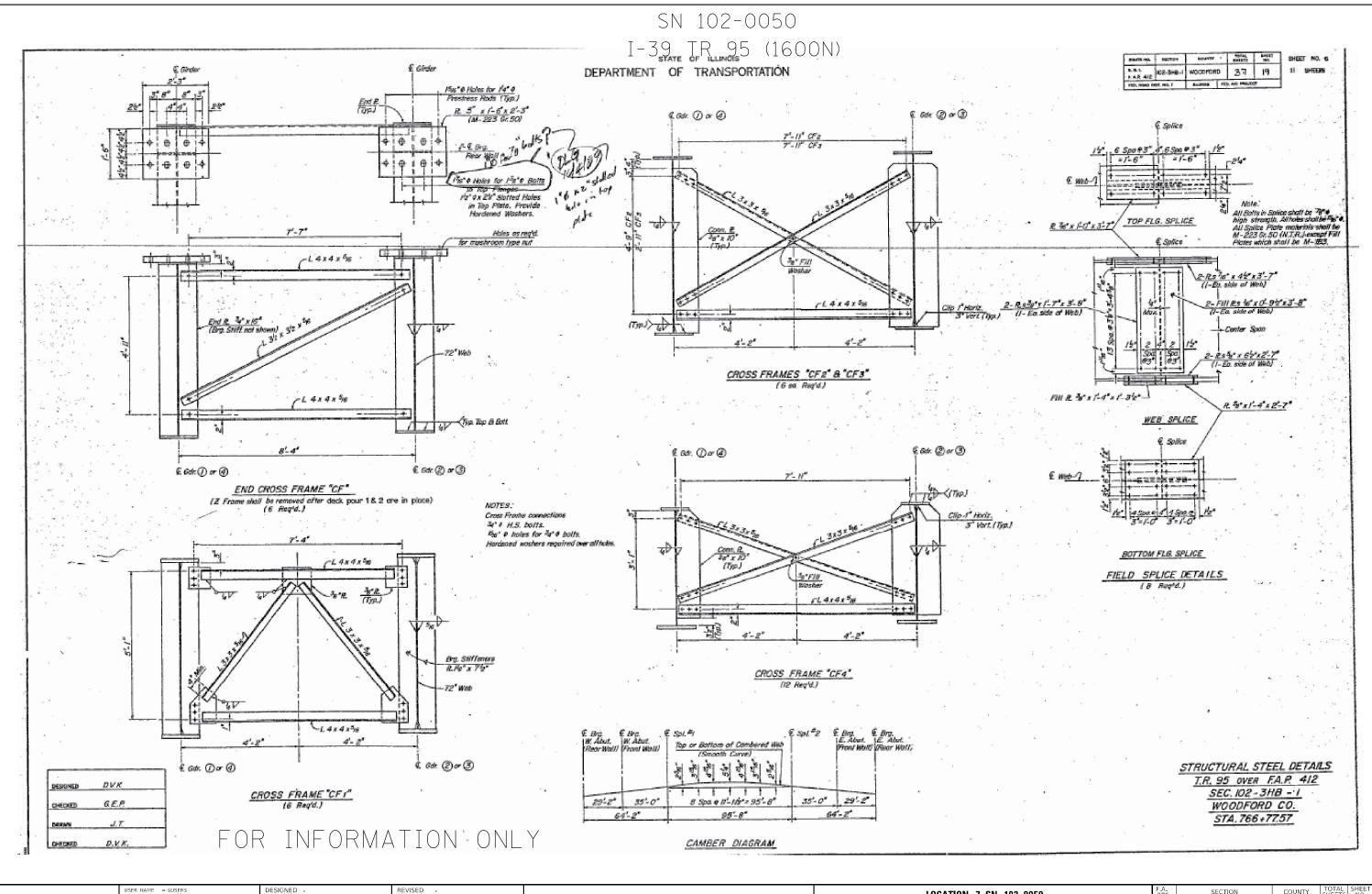
MQ - Moment due to dead loads on non-composite section.

 $\mathit{Ms}\, \widehat{\mathscr{Q}}$ - Moment due to dead kods on composite section.

ME - Moment due to live loads on non-composite or

I - Live load impact

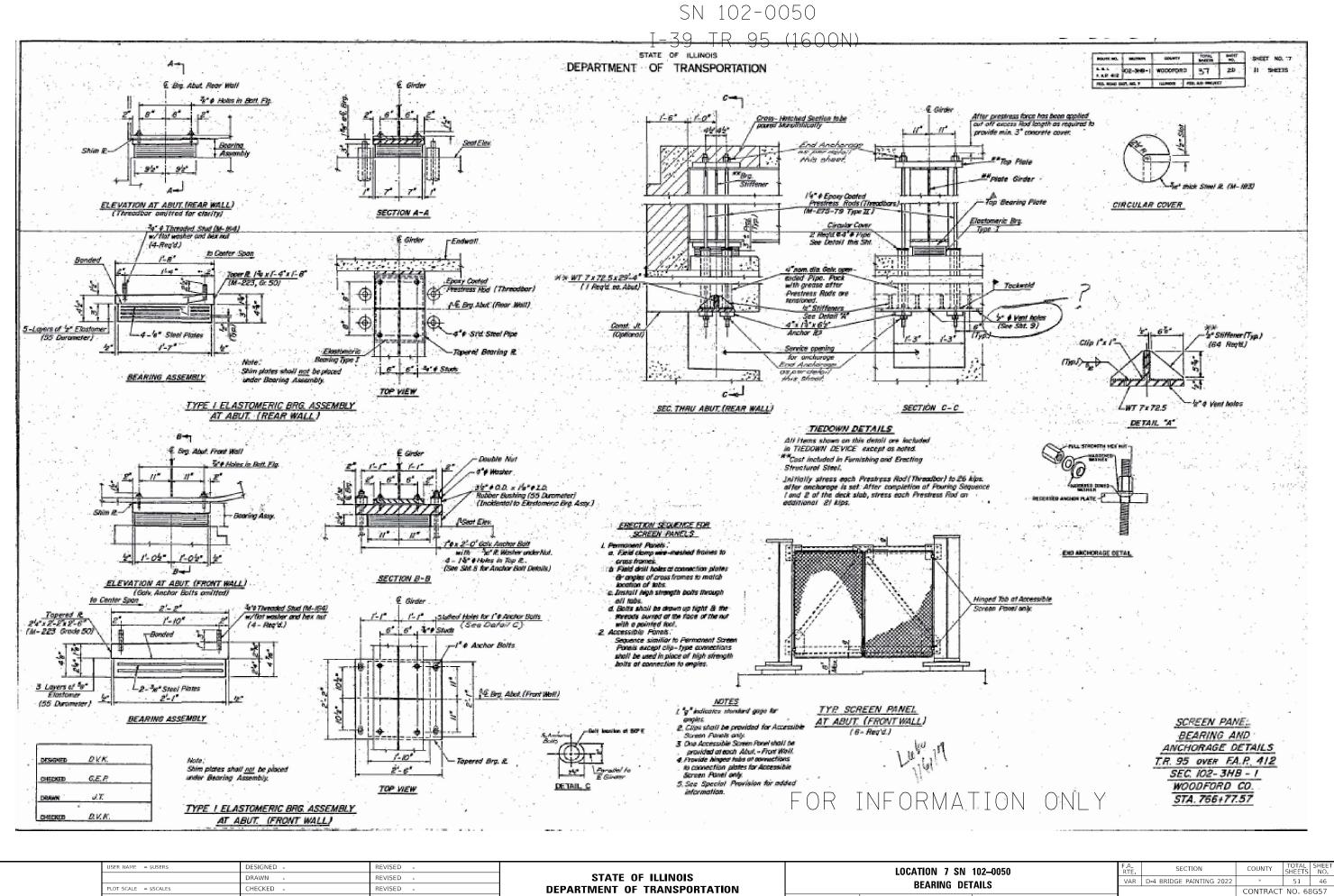
SECTION COUNTY 102-0050 VAR D-4 BRIDGE PAINTING 2022 51 44 PLAN CONTRACT NO. 68G57 STA. TO STA



EL: SMODELNAMES NAME: \$FILEL\$

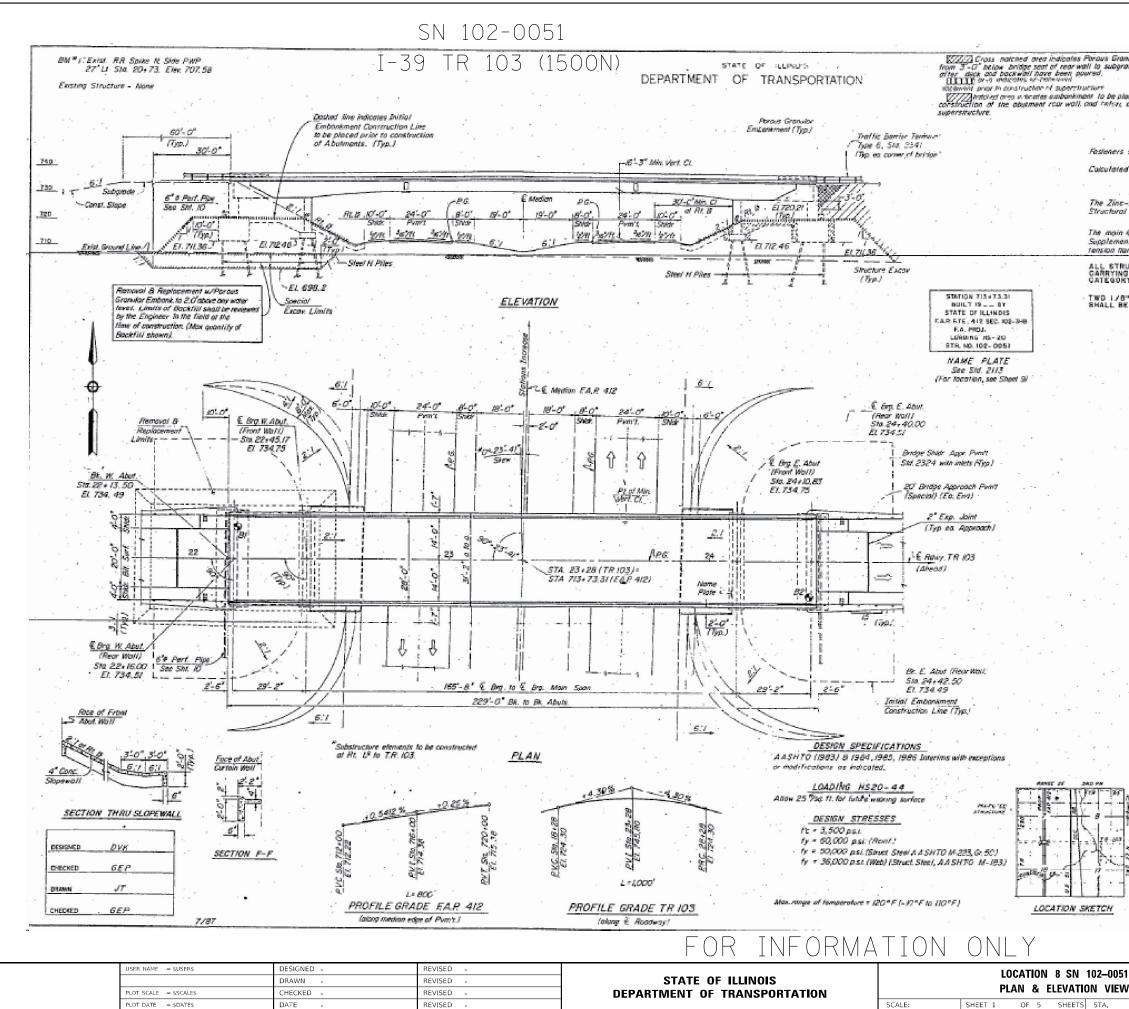
REVISED LOCATION 7 SN STATE OF ILLINOIS DRAWN REVISED STRUCTURAL STE LOT SCALE = \$SCALE\$ CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** LOT DATE = \$DATE\$ SCALE: SHEET 4 OF 5 SHEET DATE REVISED

102–0050			F.A. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
FI	L DETAILS	VAR	D-4 BRIDGE P	AINTING	*	51	45		
						CONTRACT	NO. 68	3G57	
S	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		



LOT SCALE = \$SCALE\$ HECKED REVISED **DEPARTMENT OF TRANSPORTATION** SCALE: SHEET 5 PLOT DATE = \$DATE\$ OF 5 SHE DATE REVISED

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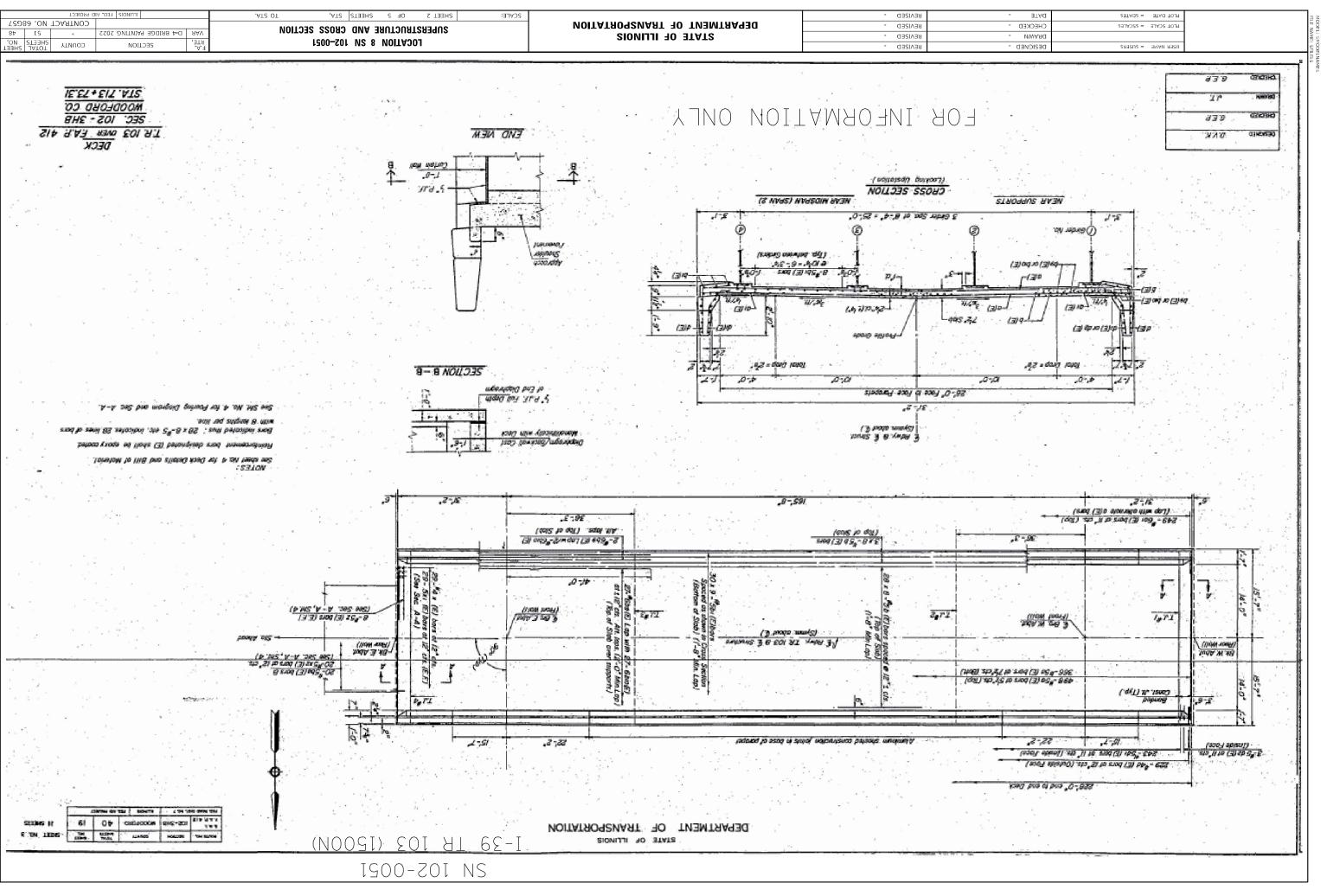
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SHEETS STA. TO STA. ILLINOIS FEE

ILLINOIS FED. AID PROJECT

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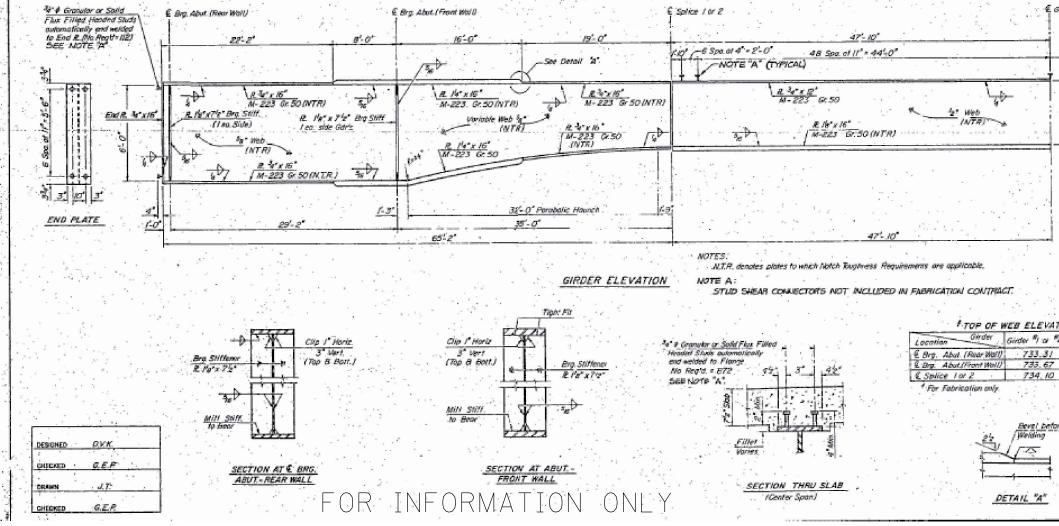
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STATE OF ILLINOIS I-39 TR 103 (150 DEPARTMENT OF TRANSPORTATION

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FRAMING PLAN

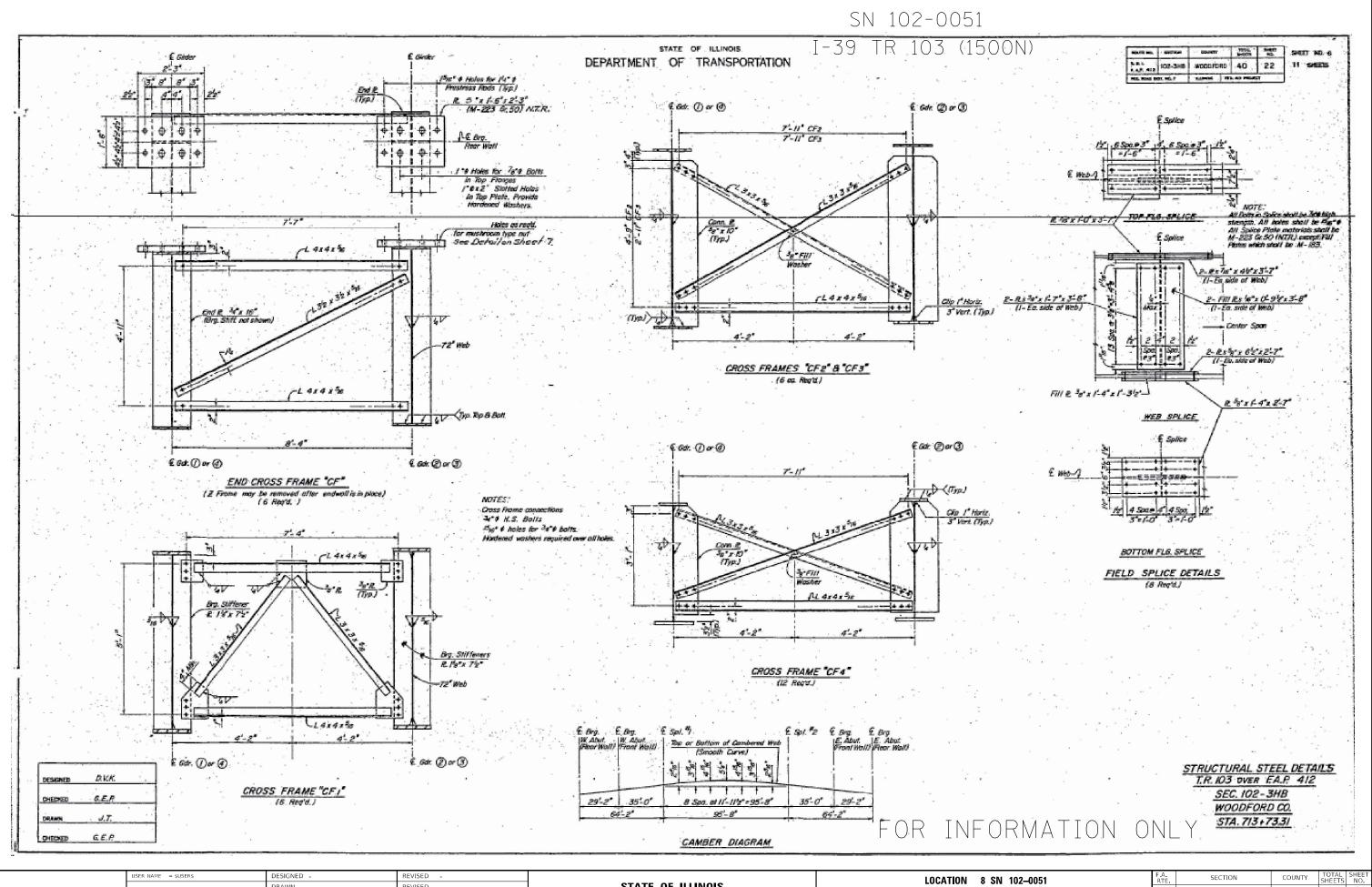


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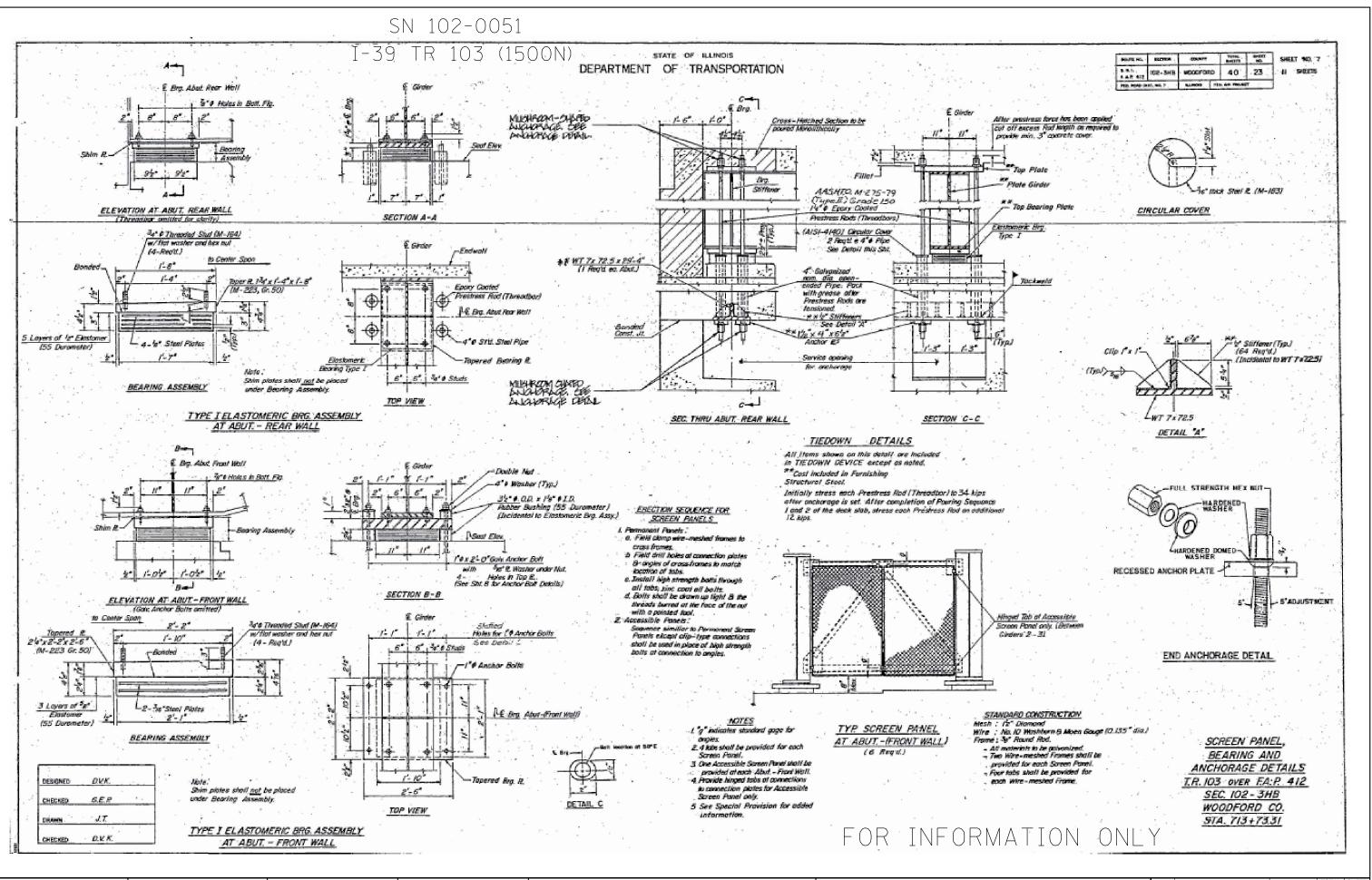


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