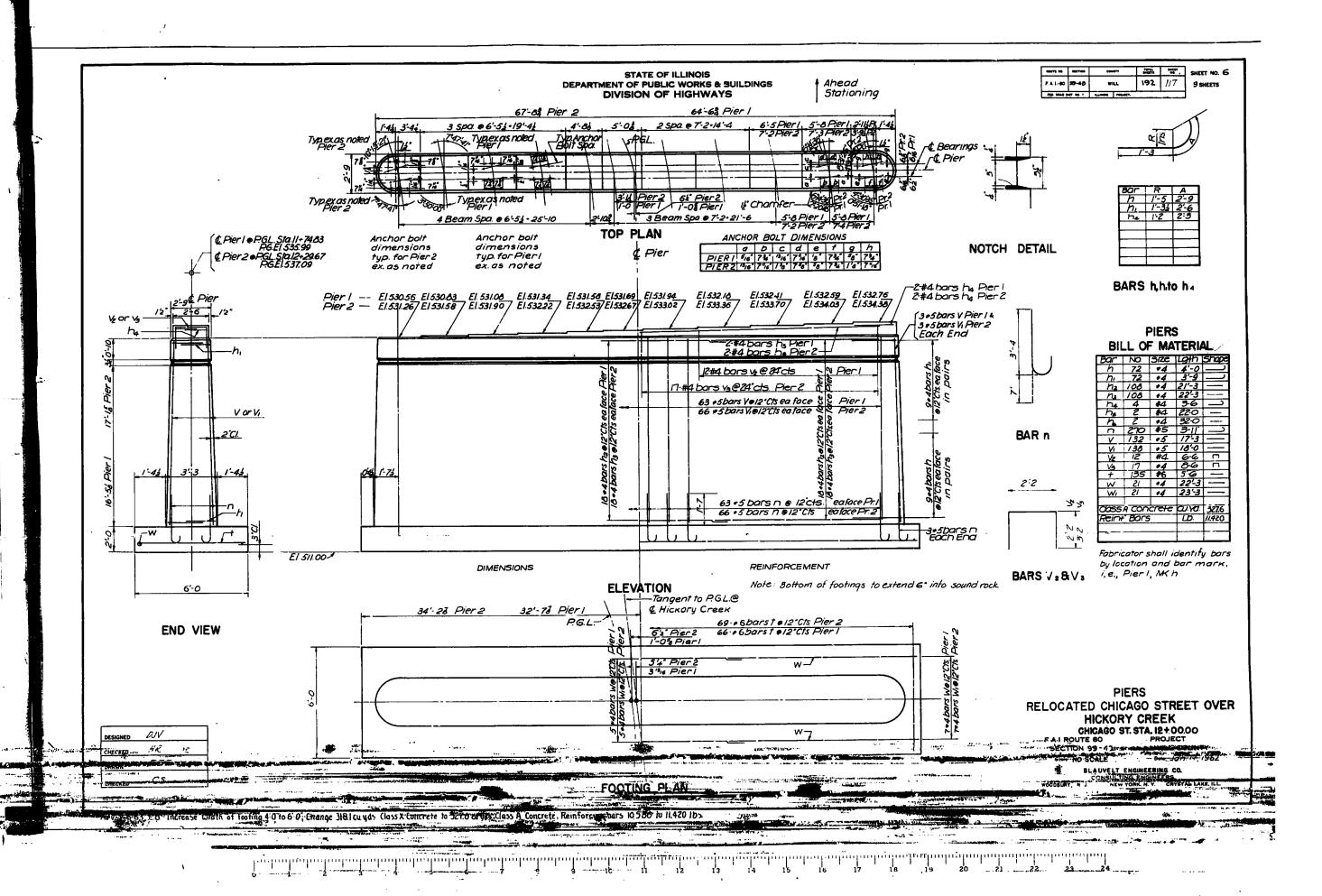
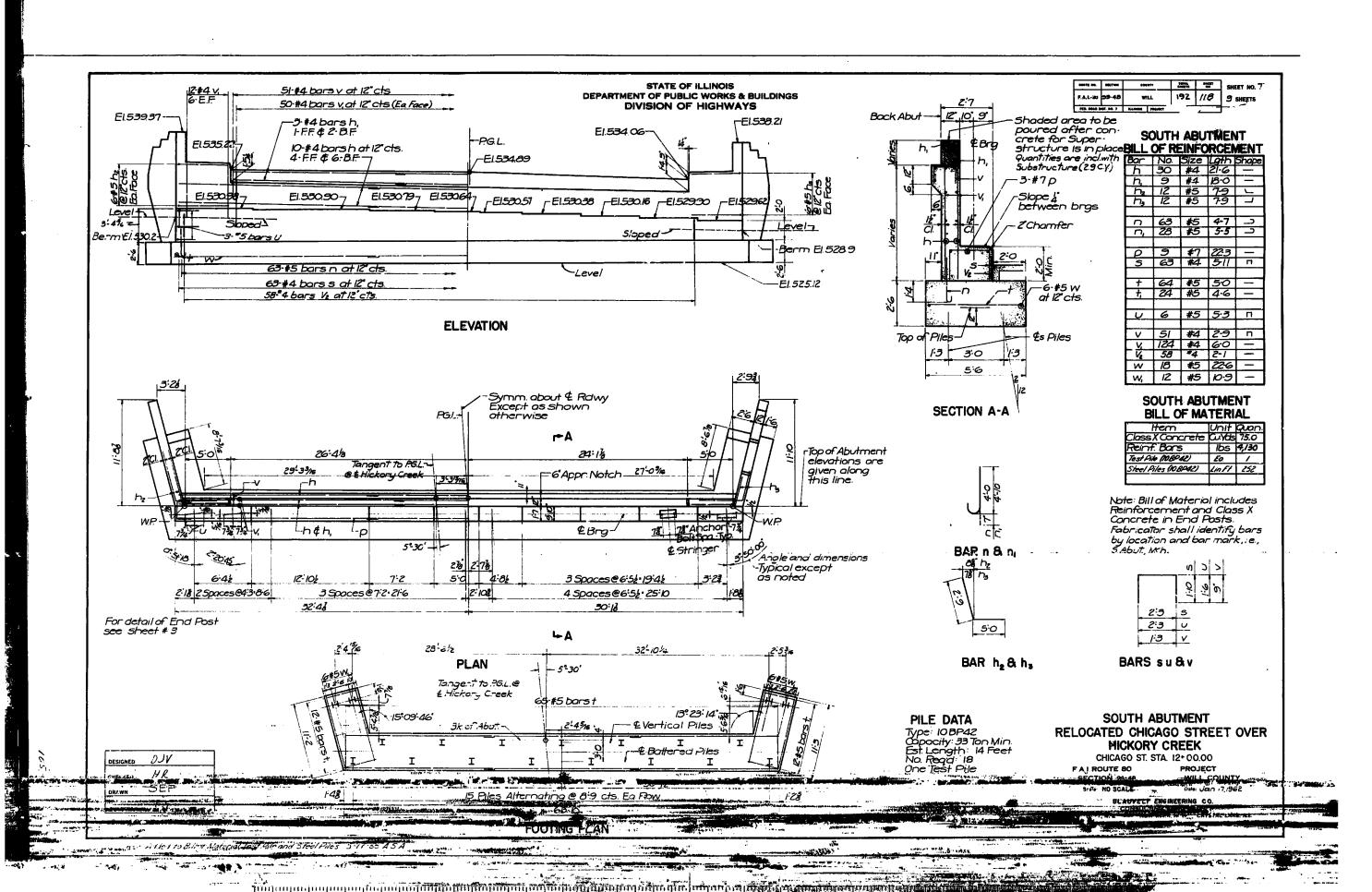
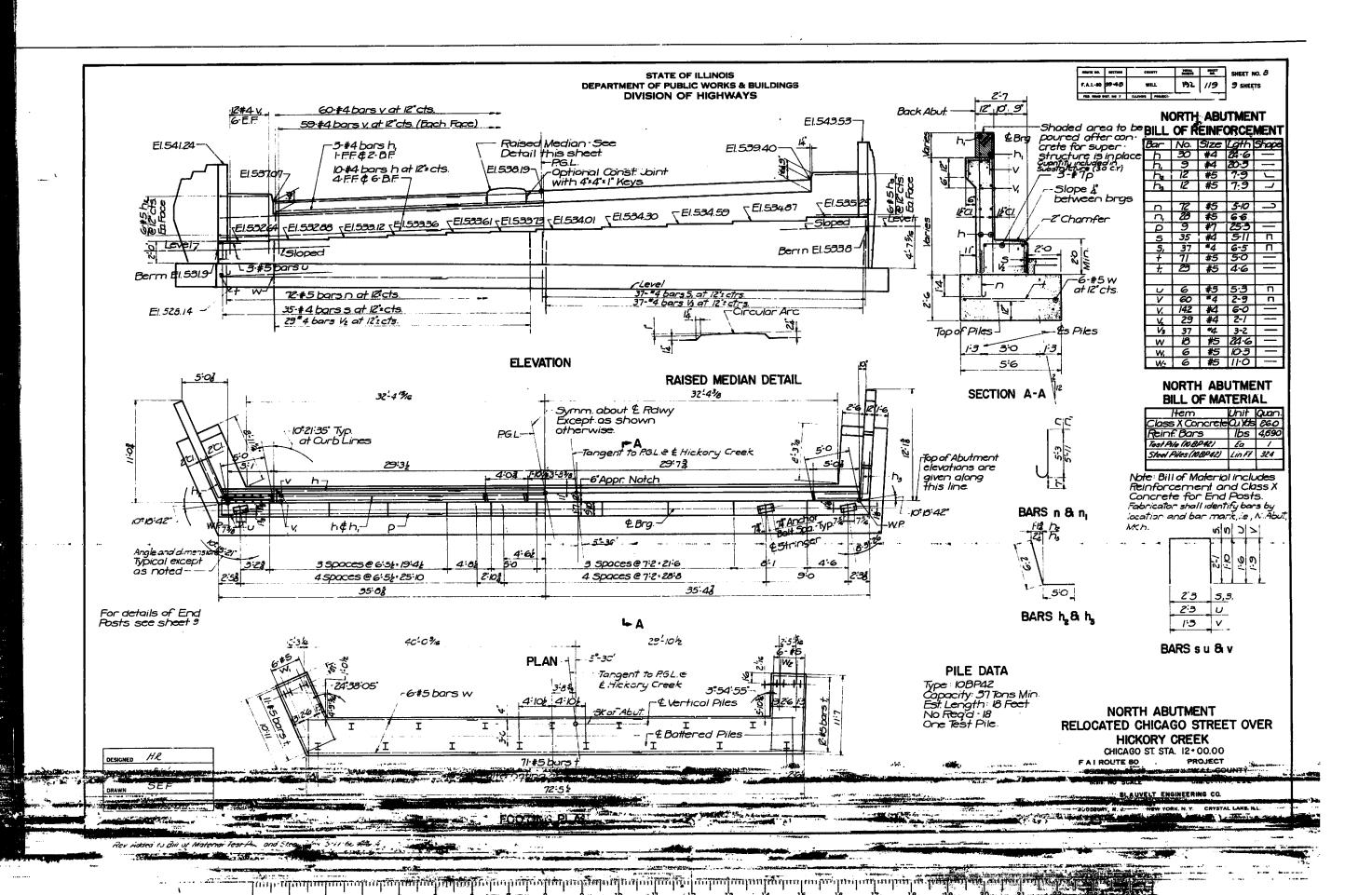


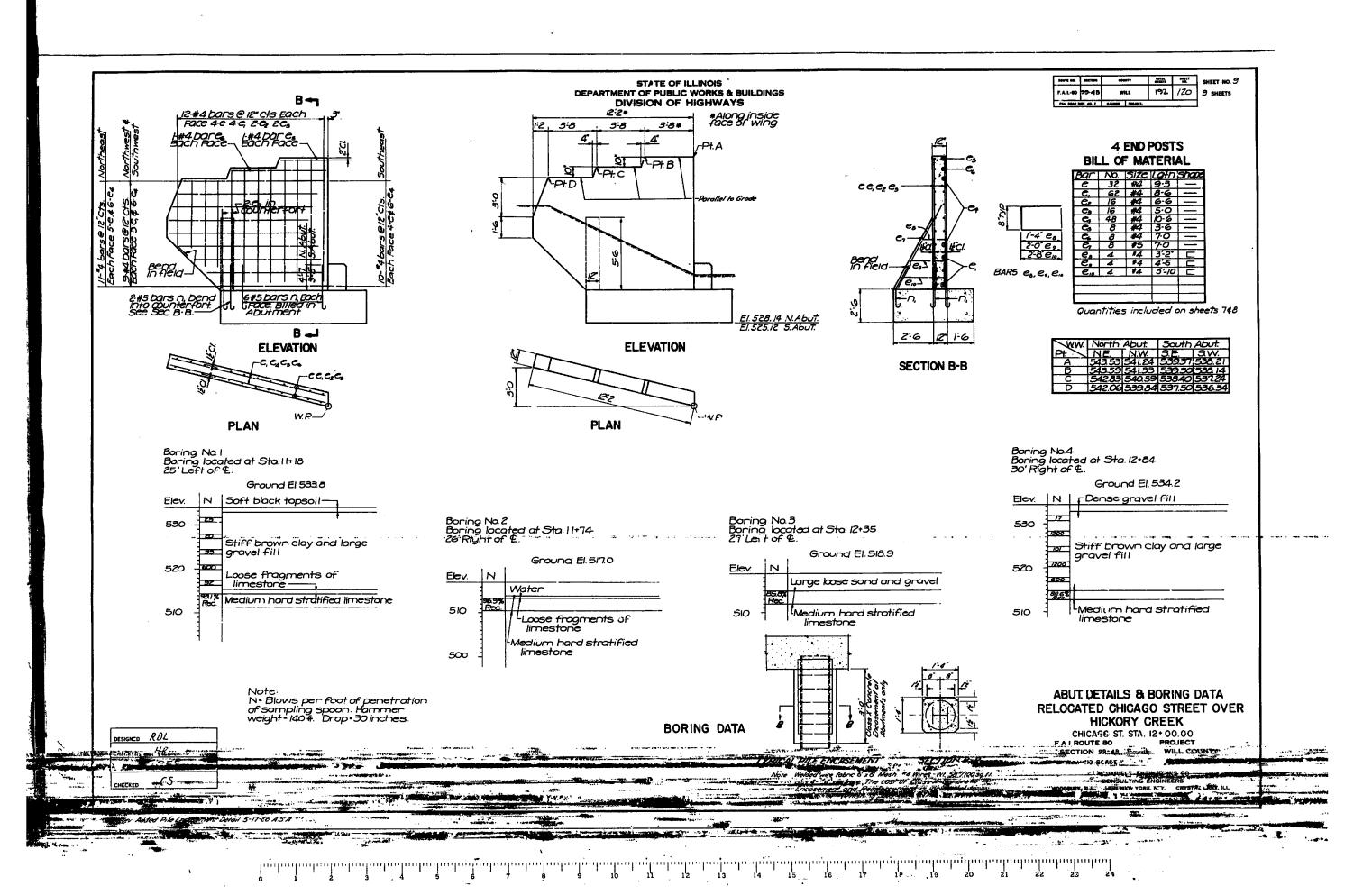
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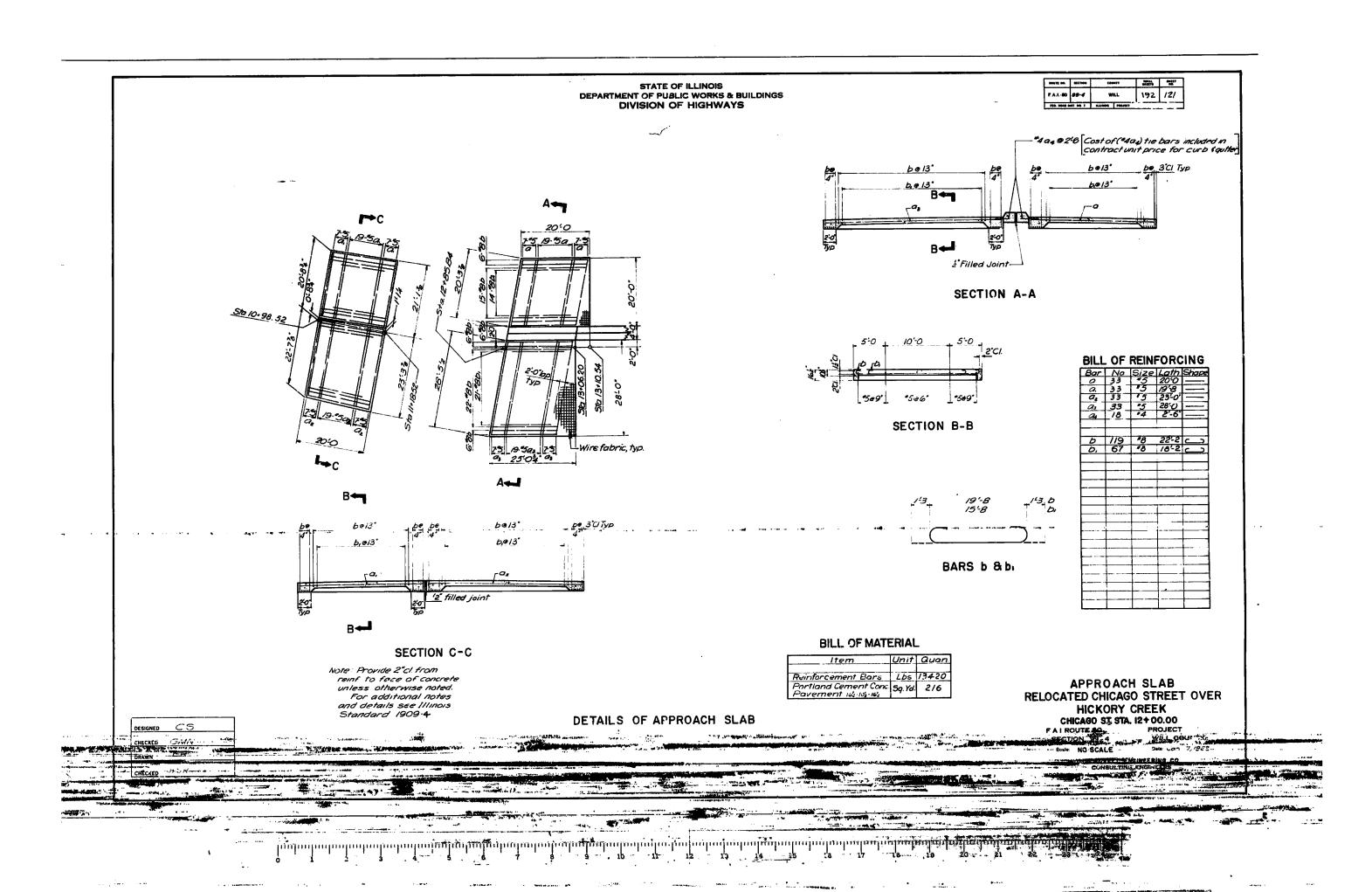
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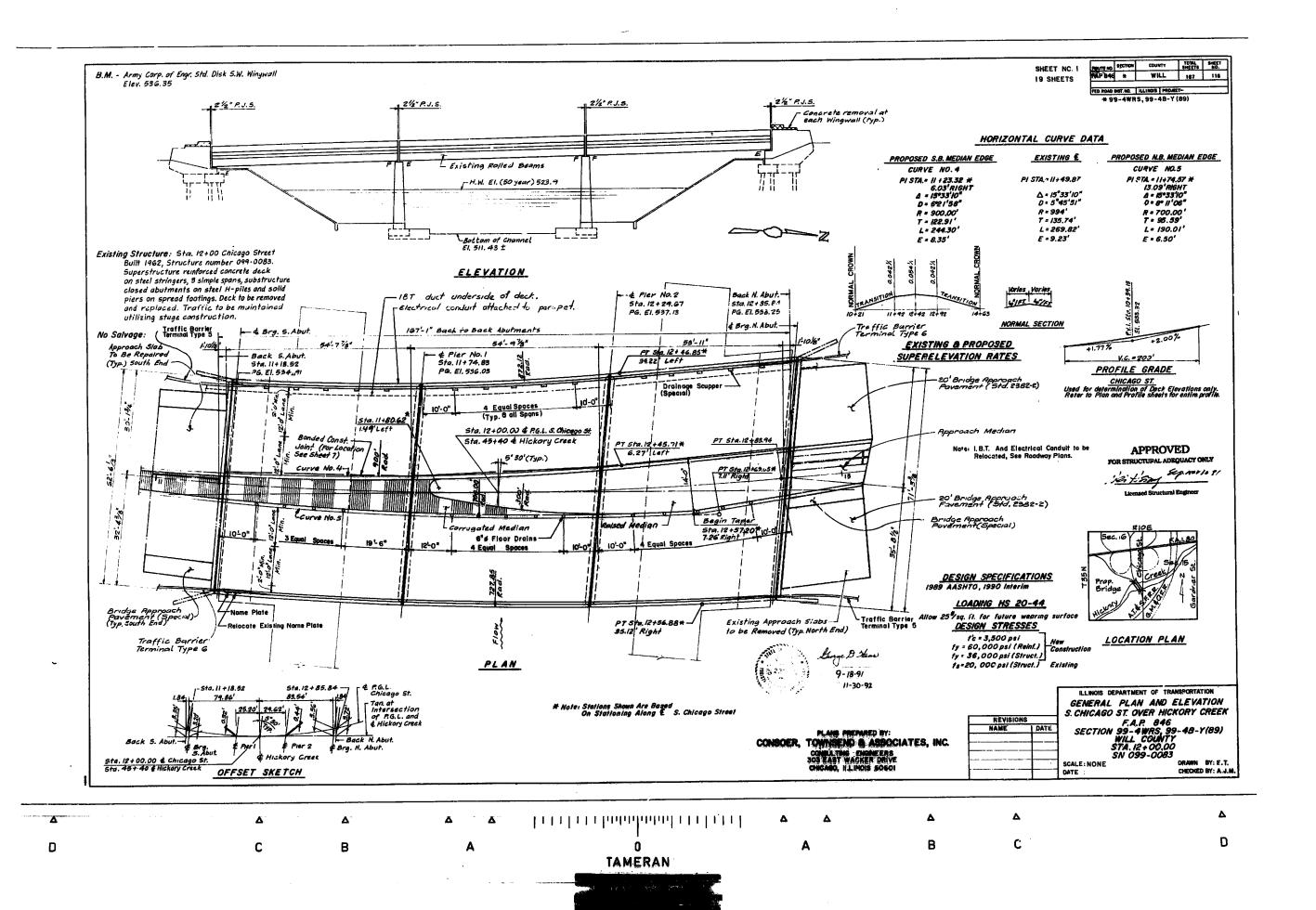


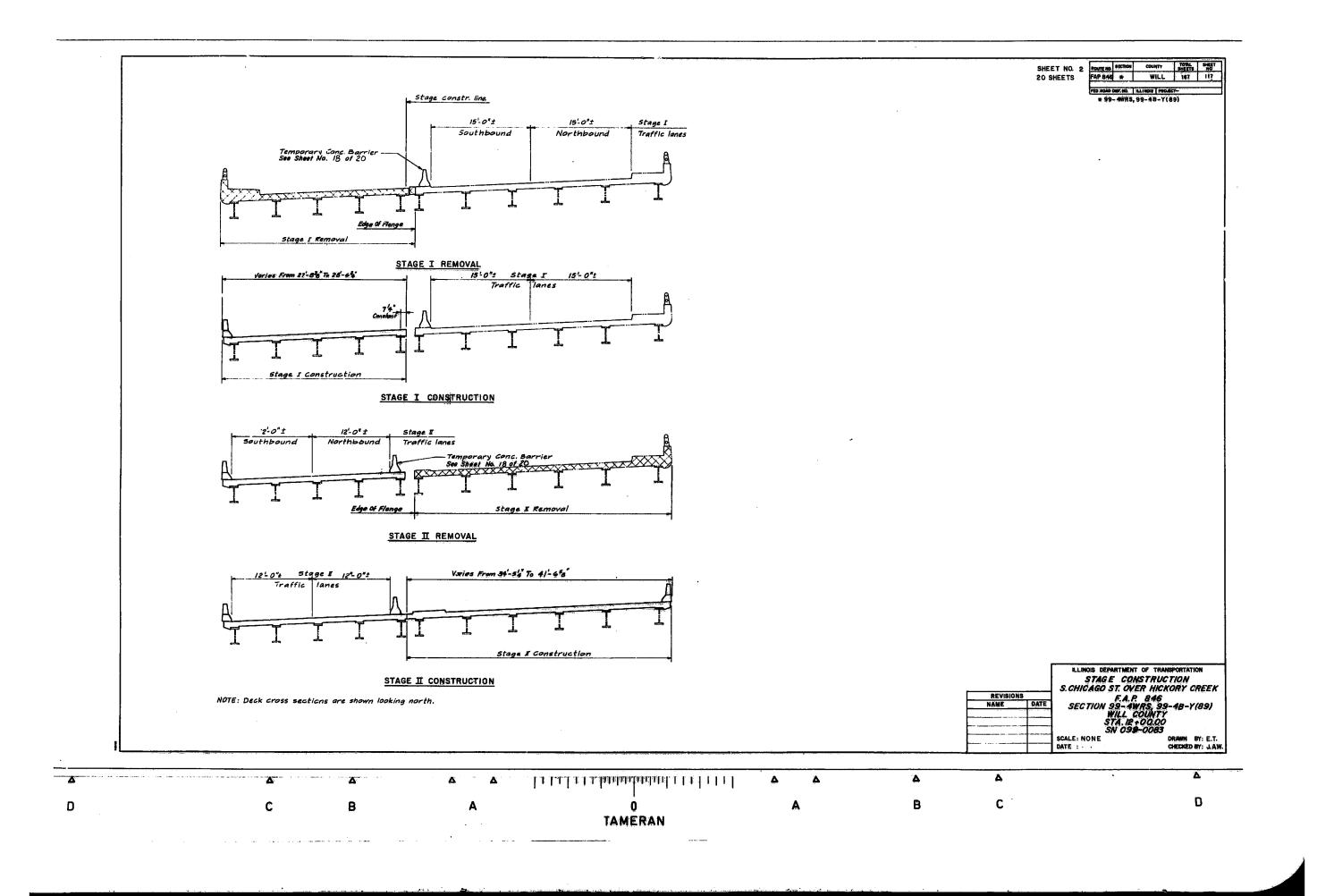












INDEX OF DRAWINGS

DWG. NO. **DESCRIPTION**

GENERAL PLAN AND ELEVATIONS STAGE CONSTRUCTION

INDEX OF DRAWINGS, GENERAL NOTES, AND SUMMARY OF QUANTITIES

DECK ELEVATIONS

DECK ELEVATIONS

DECK ELEVATIONS

DECK ELEVATIONS

DECK PLAN - DIMENSIONS DECK PLAN - REINFORCEMENT

DECK CROSS SECTION

PARAPET DETAILS

FRAMING DETAILS ELASTOMERIC BEARINGS

ABUTMENTS - CONC. REMOVAL
ABUTMENTS - RECONSTRUCTION

P.J.S. DETAILS (2 1/2")

BAR SPLICER (COUPLER) DETAILS TEMPORARY CONCRETE BARRIER

STEEL DRAINAGE SCUPPER

STRUCTURAL REPAIRS

GENERAL NOTES

Fosteners sho be high stringth bolts. Bolts 3/4 ° ø, open holes 15/16 ° ø, unless otherwise noted.

The first two coats of the Lead and Chromate free Alkyd Paint System shall be used for shop and field painting of new structural steel.

Structural steel shall only be cleaned and painted as required by the special provision "Cleaning and Fainting New Steel and Adjacent Areas of Existing Steel Structures".

Field welding of construction accessories will not be permitted to the bottom flange of beams. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting diaphragms (bolting cross frames) over supports.

Rainforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60.

Shoulder transition to wingwall shall be shaped with broken concrete. Cost incidental.

Finn dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be tne Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variation shall not be cause for additional compensation or a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Prior to pouring the new concrete for the deck, all loose rust , loose mill scale, loose paint and all other foreign material shall be removed from the embedded portions of the flunges of stringers(girders). The removal shall be accomplished in accordance with the requirements of the SSPC Surface Preparation Specifications SP7 for Brush-Off Blast Cleaning Cost shall be incidental to concrete removal. Existing name plates shall be salvaged and relocated as directed by the Engineer.

The Contractor will be required to mark on top of the concrete deck the locations of the top flange of all the steel beams of girders, prior to any removal of the bridge concrete deck. Saw cutting directly over the top of the beams or girder flonges is not permitted.

ITEM			QUANTITY TOTAL			
CODE			SUBSTRUCTURE	SUPERSTRUCTURE	TOTAL	
+ 0102400	CONCRETE REMOVAL	0.1 + 1.	9.6		1.0	
50104800	REMOVAL OF EXISTING CONCRUTE DECK	- 5 M		1		
50300100	FLOOR DRAINS	+ Af ↔		:;		
5,3300120	PREFORMED JOINT SEAL 2 1/2"	N.		270	170	
50300250	CLASS X CONCRETE SUPERSTRUCTURE	Cu.YD.		526.9	ق روز ک	
50300310	ELASTOMERIC HEARING ASSEMBLY, TYPE	EACH			5 5	
50400300	CLASS X CONCRETE	Cu. Y.J.	8.9		<u> </u>	
50700400	FURNISHING AND ERECTING STRUCTURAL STEEL	1.BS.		6,460	16,460	
50700705	JACK AND REMOVE EXISTING AFARINGS	FACH		3.3	3,5	
51200200	REINFORGEMENT BARS (EPOX+ COATED)		1 100	/8,460	79,4	
51400100	NAME PLATES	FACH		<u> </u>	·	
65600300	TEMPORARY CONCRETE BARRIER TERMINAL SECTION	EACH		2		
05600405	CISTALL & REMOVE TEMPORARY CONCRETE BARRER	uNi i		27		
65600800	RILLOCATI TEMPORARY CONCRUTE BARRIER	UNIT		21		
Z0007200	BRIDGE SEAT SEALER **	T.ScM	<u> </u>			
Z0018000	CRAINAGE SCUPPERS SPECIAL	EACH			·	
Z0020300	EPOXY CRACK SEALING *	1. N.F.S.	:73			
70020400	FPOXY MORTAR REPAIR	Cult.	<u> </u>			
Z0047300	PROTECTIVE SHIFLD	S0.Y0.	L	1.455	1,, 50	
X7192800	RELOCATE USCS SURVEY MONUMENT	L.SUV				
Y/172800	BRIDGE DECK GROOVING	SQ.YO	1	1,274	7, 11	

ESTIMATED QUAN MY TAKEN FROM 1985 BRIDGE CONDIGION REPORT

** ESTIMATED QUANTITY BRIDGE SEAT SEALER = 63 SQ.YD.

STATION 12+00 REBUILT 199_ BY STATE OF ILLINOIS FAR RT 846 SEC99 (WIS 839 48-Y F.A. PROJ. LOADING HS20

NAME PLATE
REFER TO STD. 2113
COST OF RELOCATING EXISTING NAME
PLATE SHALL BE INCIDENTAL TO NEW
NAME PLATE

ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF DRAWINGS, GENERAL NOTES,
AND SUMMARY OF QUANTITIES
S. CHICAGO ST. OVER HICKORY CREEK
F.A.P. 846
SECTION 99-44WRS, 99-48-Y(89)
WILL COUNTY
STA. 12+00.00
SN 400-0083 DATE CHECKED BY: AJA

FAP 848 * FED.ROLD DIST.NO. BLUNDS PROJECT-

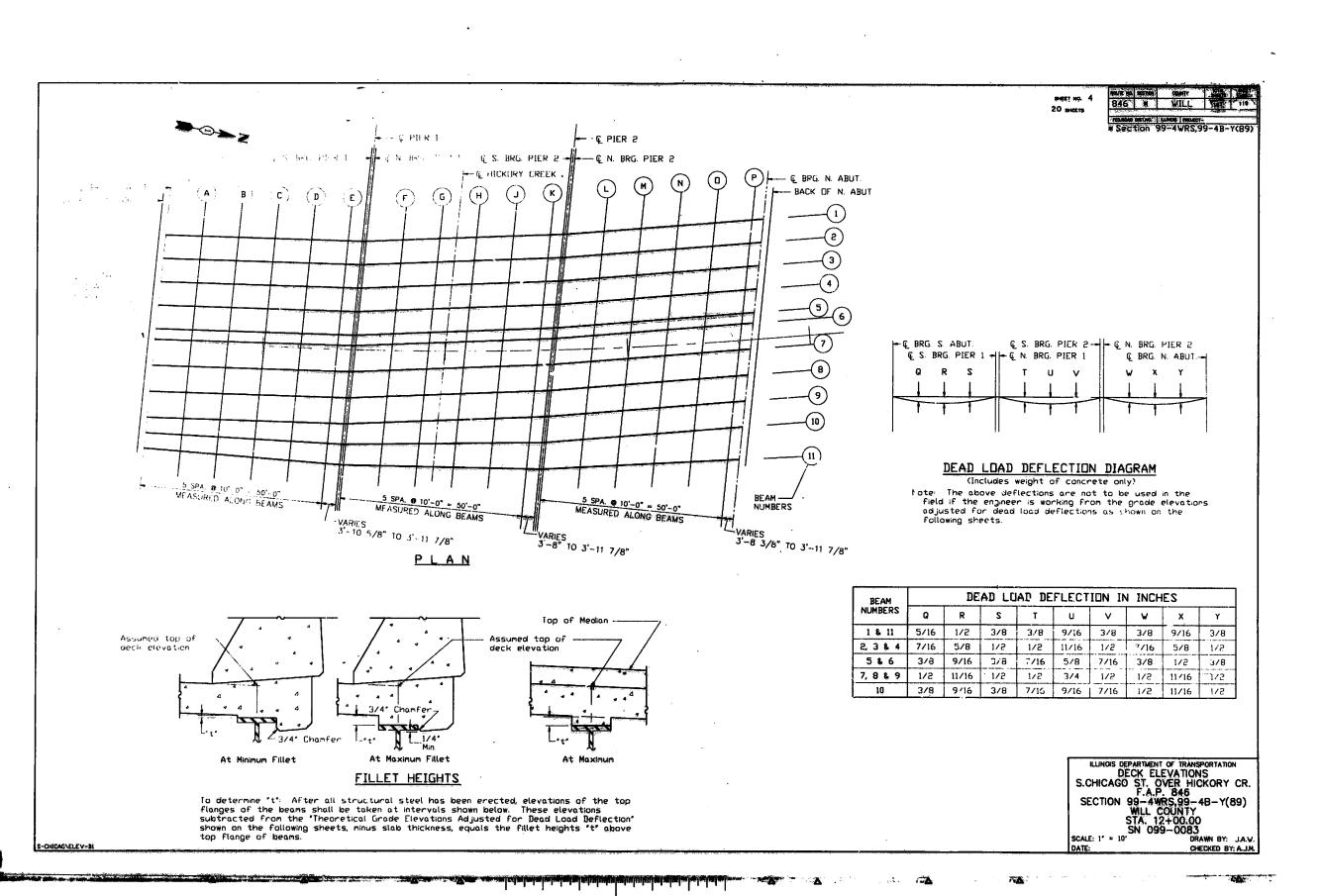
99-4WRS, 99-48-Y(89)

TAMERAN

В

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TAMERAN

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C

В

В

C

BEAM 1

BEAM 2

BEAM 3

LOCATION	STATION OFFSET		THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION		
BACK S. ABUT.	11-14-55	. # 54	535 351	535 351		
C BRG. S. ABUT	1111	DH 63	0.65 410	535 410		
A	111411111	64 54	.3 : 711	535 754		
В	***********	7-9 - 4-4	- Se - 1/3+4	trans of Mills		
l c		"sj. •	5.30 377	5.45 418		
l 0	11.00	-19 14	filter physical	936, 230		
E	11.0	- A 15	932.619	537 029		
G S BRG PIER !	31.5.44	4 74	(37.140	1/37 1/40		
C N BRG PIER 1	111177	29 //	597 181	537 181		
F	11.001.00		537 582	537 548		
G	11.54	41.4*	537 846	537 883		
i H	1,39 (4)	31 14	538 135	538 185		
ز ا	1/2-18 33	31.43	538 436	538 471		
l ĸ	1	95.5%	538 728	538 741		
C S. BRG. PIER 2		•1 6 f	536 843	528 843		
E N. BRG. PIER 2	1 1 24 1	31 66	598 875	538-875		
• · · · · · · · · · · · · · · · · · ·	1 44 / /	42 E9	539 143	5.49 169		
l m		:	539 286	639-389		
N	1006	32.64	539.423	539 469		
l o	11.000 63	1477 47	539 556	539 569		
P		<7.78	539 674	539 665		
C BRG N ABUT	1.000	6.5	539 729	5 39 729		
BACK N. ABUT.	17+91 64	10 16	539 751	539-751		

LOCATION STATION OFFSET CRADE ELEVATION DEFLECTION BACK S. ABUT. 11+18 84 -22.06 535.251 535.251 Q. BRG. S. ABUT. 11+20 71 -22.17 535 304 53					and the second s
Q. BRG. S. ABUT. 11+20 71 -22.17 535 304 535 304 A 11+30 93 -22.60 535 599 535 631 B 11+41 16 -22.94 535 896 535.948 C 11+51 40 -23.17 536 193 536 248 D 11+61 64 -23.29 536 489 536 535 E 11+71 86 -23.32 536 782 536 795 Q. S. BRG. PIER 1 11+77 07 -23.33 536 998 536.898 G. N. BRG. PIER 1 11+77 07 -23.33 536 931 536.931 537.279 G 11+97 536 -24.38 537.344 537.579 537.279 H 12+07 78 -24.75 537.807 537.807 537.805 J 12+18 03 -25.02 538.105 538.150 538.389 538.399 Q. S. BRG. PIER 2 12+32 39 -25.25 538.489 538.489 538.489 G. N. BRG. PIER 2 12+33 34 -25.25 538.789 538.289 538.289 G. N. BRG. PIER 2 12+43 71 -25.69 538.789 538.999<	LOCATION	STATION	OFFSET	GRADE	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
A 11+30 93 -22.60 535 599 535 631 B 11+41 16 -22.94 535 896 535.948 C 11+51 40 -23.17 536 193 536 248 D 11+61 64 -23.29 536 489 536 530 E 11+71 86 -23.32 536 782 536 795 C S BRG PIER 1 11+77 07 -23.33 536 931 536.898 C N BRG PIER 1 11+77 07 -23.33 536 931 536.931 F 11+87 30 -23.90 537 246 537.279 G 11+97 536 24 38 537 344 537 598 H 12+07 78 -24.75 537.865 537.875 J 12+18 03 -25.02 538 105 538 150 K 12+8 89 -25 18 539 380 538 397 C S BRG PIER 2 12+33 46 -25.25 538 489 538 489 C N BRG PIER 2 12+33 46 -25.25 538.789 538 820 N 12+53 97 -26 03 538 948 539 999 N 12+64 24 -26 27 539 100 539.155	BACK S. ABUT.	11+18 84	-22.06	535 251	535.251
B	Ç BRG. S. ABUT.	11+20 71	-22 17	535 304	535 304
C 11+51 40 -23 17 536 193 536 248 B 11+61 64 -23 29 536 489 536 530 E 11+71 86 -23 32 536 489 536 530 C S. BRG, PIER 1 11+75 96 -23 32 536 98 536 898 C N. BRG, PIER 1 11+77 07 -23 33 536 931 536 931 F 11+87 30 -23 90 537 246 537 279 G 11+97 536 24 38 537 344 537 598 H 12+07 78 -24 75 537 867 537 875 J 12+18 03 -25 02 538 105 538 150 K 12+28 29 -25 18 539 380 538 397 C S. BRG, PIER 2 12+33 46 -25 25 538 489 538 489 C N. BRG, PIER 2 12+33 46 -25 25 538 519 L 12+43 71 -25 69 538 789 538 820 M 12+53 97 -26 03 538 948 538 999 N 12+64 24 -26 27 539 100 539 155	A	11+30.93	-55 60	535 599	535 631
D	B	11+41 16	-22.94	535 896	535.948
E 11.71 86 -23.32 536.782 536.795 Q.S. BRG, PIER 1 11.75 96 -23.32 536.898 536.898 536.898 F 11.77 70 -23.33 536.931 536.898 G.N. BRG, PIER 1 11.77 07 -23.33 536.931 536.898 F 11.79 7.536 24 38 537.344 537.279 G 11.79 7.536 24 38 537.344 537.598 H 12.70 7.79 -24.75 537.865 537.865 J 12.18 03 -25.02 538.105 538.150 G.S. BRG, PIER 2 12.32 39 -25.22 538.489 538.397 G.N. BRG, PIER 2 12.33 46 -25.25 538.519 538.489 G.N. BRG, PIER 2 12.33 46 -25.25 538.519 538.819 G.N. BRG, PIER 2 12.33 46 -25.25 538.519 538.819 G.N. BRG, PIER 2 12.53 97 -26.03 538.789 538.820 M 12.53 97 -26.03 538.948 538.999 N 12.164 24 -26.27 539.100 539.155	С	11+51.40	-23.17	536 193	536 248
Q. S. BRG, PIER 1 11+75 96 -23.30 536.898 536.898 Q. N. BRG, PIER 1 11+77 07 -23.33 536.931 536.931 536.931 F. 11+87 30 -23.90 537.246 537.279 G. 11+97 536.24 38 537.344 537.578 H. 12+07.78 -24.75 537.865 537.865 J. 12+18 03 -25.02 538.105 538.150 K. 12+28.29 -25.18 538.380 538.397 Q. S. BRG, PIER 2 12+32.39 -25.22 538.489 538.489 G. N. BRG, PIER 2 12+33.46 -25.25 538.519 538.519 L. 12+33.71 -25.69 538.789 538.920 M. 12+53.97 -26.03 538.948 538.999 N. 12+64.24 -26.27 539.100 539.155	D	11+61 64	~23.29	536 489	536 530
© N. BRG. P(ER 1 11+77 07 -23.33 536.931 536.931 F 11+87 30 -23.90 537.246 537.279 G 11+97 536.931 537.344 537.578 H 12+07.78 -24.75 537.867 537.867 J 12+18.03 -25.02 538.105 538.150 K 12+28.29 -25.18 539.380 538.397 Q. S. BRG. PIER 2 12+33.346 -25.25 538.489 538.489 G. N. BRG. PIER 2 12+33.46 -25.25 538.789 538.519 L 12+43.71 -25.69 538.789 538.920 M 12+53.97 -26.03 538.948 538.999 N 12+64.24 -26.27 539.100 539.155	Ε	11+71 86	- 23 . 32	536, 782	536 795
F 11+87 30 -23.90 537 246 537.279 G 11+97 536 44 38 537 344 537 598 H 12+07.78 -24.75 537.865 J 12+18 03 -25.02 538 105 538 150 K 12+88 29 -25 18 538 380 538 397 G S BRG PIER 2 12+33 36 -25.25 538 .489 538 489 G N BRG PIER 2 12+33 46 -25.25 538.789 538 820 H 12+53 97 -26 03 538 948 538 999 N 12+64 24 -26 27 539 100 539.155		11+75 96		536 898	536 898
G 11+97 536 24 38 537 344 537 598 H 12+07 78 -24.75 537.86% 537.86% 537.86% 537.86% 537.86% 537.86% 538.8150 12+18 03 -25.02 538 105 538 150 12+28 29 -25 18 538 380 538 397 6.5.86.0 12+32 39 -25.22 538.489 538.489 538.489 538.489 538.489 538.51	C N. BRG, PIER 1	11+77 07	-53 33		536.931
H 12+07.78 -24.75 537.867 537.865 J 12+18.03 -25.02 538.105 538.150 K 12+28.29 -25.18 538.380 538.397 Q. S. BRG. PIER 2 12+32.39 -25.22 538.489 538.489 Q. N. BRG. PIER 2 12+33.46 -25.25 538.519 538.519 L 12+43.71 -25.69 538.789 538.20 M 12+53.97 -26.03 538.948 538.999 N 12+64.24 -26.27 539.100 539.155	F	11+87 30	-23.90	537 246	537.279
J 12+18 03 -25.02 538 105 538 150 K 12+28 29 -25 18 538 380 538 397 S38 489 538 489 538 489 538 538 519 539 519 519 519 519 519 519 519 519 519 51	G	11+97 536			537 598
K 12+28 29 -25 18 538 380 538 397 C S. BRG. PIER 2 12+32 39 -25 22 538 489 538 489 C N. BRG. PIER 2 12+33 46 -25 25 538 519 538 519 L 12+43 71 -25 69 538 789 538 820 M 12+53 97 -26 03 538 948 538 999 N 12+64 24 -26 27 539 100 539.155	Н	12+07.78	-24.75	537.80	537 885
Q. S. BRG. PIER 2 12+32 39 -25 22 538.489 538.489 Q. N. BRG. PIER 2 12+33 46 -25.25 538.519 538.519 L 12+43 71 -25.69 538.789 538.920 M 12+53 97 -26.03 538.948 538.999 N 12+64 24 -26.27 539.100 539.155	J	12+18 03	-25.02	538 105	538 150
Q. N. BRG, PIER 2 12+33 46 -25.25 538.519 538.519 L 12+43 71 -25.69 538.789 538.820 M 12+53.97 -26.03 538.948 538.999 N ±2+64.24 -26.27 539.100 539.155	K				538 397
L 12+43 71 -25 69 538.789 538.820 M 12+53 97 -26 03 538.948 538.999 N 12+64 24 -26 27 539.100 539.155		12+32 39		538.489	538 489
M 12+53 97 -26 03 538 948 538 999 N 12+64 24 -26 27 539 100 539.155	C N. BRG. PIER 2	12+33 46	-25, 25	538.519	538 519
N 12+64 24 -26 27 539 100 539.155	L I				538 820
	м	12+53-97	~56 03	538 948	538 999
	Ŋ	12+64-24	- 26 27	539 100	539.155
	0	12+74-51	26 40	539 247	539 288
P [12+84-25 26-42 539.381 539.394	P [12+84 25	26 42	539 381	539 394
© BRG. N. ABUT. 12+88 80 26-41 539-443 539-443	E BRG. N. ABUT.	12+88 80	26.41	539 413	539 443
BACK N. ABUT. 12+90 67 -26 40 539 468 539 468	BACK N. ABUT.	12+90 67	-26 40	539.468	539.468

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIÓN	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
BACK S. ABUT.	11-18 74	-15 62	535 150	535.150
@ BRG. S. ABUT.	11+20.61	-15.71	535.199	535 199
A	11+30 76	~16 15	535 468	535.500
В	11+40.92	-16.48	535 739	535 791
С	11+51 09	-16.17	536 010	536.065
D	11+61 26	-16.84	536 280	536 321
Γ.	11+71 43	-16 87	536 547	536 560
C S. BRG. PIER 1	11+75 49	-16 85	536 653	536 653
C N. BRG. PIER 1	11+76 59	16 88	536 683	536 683
F	11+86 75	-17 47	536.972	537 005
Ģ	11+96 92	-17 95	537 251	537 305
н	12+07.10	~18.32	537.515	537 574
J	12+17.29	-18 60	537 . 777	537 822
K	12+27 48	-1B 77	538 035	538 052
C S. BRG. PIER 2	12+31.54	-18 81	538.137	538 137
C N. BRG. PIER 2	15+35 65	-18.85	538 165	538 165
L	12+42 80	-19 30	538 432	538 463
M	12+53.00	-19.64	538 606	538 657
N	15+63 50	-19 89	538 774	538 829
ä	12+73 40	SC 03	538 963	539 004
Р	12-23-61	-20 07	539.093	539 106
C BRG. N. ABUT.	12+87 64	-20 06	539 154	539 154
BACK N. ABUT.	12+89 51	-20 05	539 188	539 182

BEAM 4

BEAM 5

STAGE CONSTRUCTION LINE

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION			
BACK S. ABUT.	11-18-05	J 1t	535 051	535 051			
C BRG S ABUT	11,21,62	9.94	535 095	535 095			
Α .	11+35 19	9 69	535 338	535-370			
В	11+40-68	- 10 05	505-583	535 635			
С	11+50 78	-10 ₽⊨	5 %, n29	535 884			
D	11+60 HF	10 4e	536 073	536.114			
F	∡1+70 99	10 43	536 315	536-328			
C S. BRG. PIER 1	11+75 0-	-10 41	536 410	536, 410			
C N. BRG. PIER 1	11+76-1	10 44	536 438	536 438			
F	11+86 71	11 63	236 705	536-735			
G	11.96 31.	11.52	536 959	537 013			
н	12+06 43	11 90	537 207	537 266			
J	12+16-55	- 12 18	537 452	537 497			
K	12+26 67	-12 36	537 ь 9 3	537 710			
E S. BRG. PIER 2	12+30 71	12 41	537 788	537 788			
C N. BRG. PIER 2	12+31 79	-12 44	537 814	537 814			
L	18+41 91	15 90	538 072	538 103			
М	17-58 03	-13 F6	038 868	538 313			
N	15+65-17	13.51	538 445	539 500			
ū	12+72 30	-13 6n	238 625	538 663			
P	12+82 44	13 71	538 794	538 807			
G BRG. N. ABUT.	12+86 48	-13 /C	538 861	538 861			
BACK N. ABUT.	12+88 34	-13 70	538 892	538 892			

LOCATION	STATION	UFFSET	THEORET!CAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
BACK S. ABUT.	11+18 56	-2.71	534 952	534 956
G BRG. S. ABUT.	11+20.40	~2.80	534 991	534 991
A .	11+30 42	-3.24	535.209	535.235
₿ B	11+40.45	-3 57	535.429	535 472
l c	11+50 48	-3 81	535 649	535 695
D.	11+60.52	-3 95	535 868	535.902
E	11+70 56	-3 98	536 085	536 096
C S. BRG. PIER 1	11+74 56	-3 97	536 170	536 170
C. N. BRG. PIER 1	11+75.65	-4 00	536 195	536 195
F	11+85 68	-4.59	536 433	536.462
Ģ	11+95 72	-5.09	536 670	536.717
н	12+05 76	~5.48	536 901	536 952
J	12+15.82	-5 77	537 129	537 168
K	12+25 87	-5.95	537 353	537 367
C S. BRG. PIER 2	12+29.89	-6 00	537.442	537.442
C N. BRG. PIER 2	12+30 97	-6 03	537.467	537 467
L	12+41 02	-6.50	537 707	537 733
M	12+51 08	-6.87	537 915	537.957
N	12+61.15	-7.13	538 113	538.158
0	12+71 22	-7 29	538 304	538 . 338
P	12+81 29	-7.35	538 491	538 502
C BRG N ABUT.	12+85 32	-7.35	538 564	538 564
BACK N. ABUT.	12+87.18	-7.34	538.598	538 . 598

LOCÁTION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
BACK S. ABU	11+18 55	-2 1u	534 942	534 542
Q BRG. S. ABUT.	11+26 39	-2 20	534 981	534 981
A	11+30 40	-5 63	535 197	535 223
В	11 40 43	-2 97	535 415	535 457
С	:1+50 45	-3.21	535 632	535-67g
D	11+60 49	~3 35	535 849	535 883
Ε	11+70 52	-3 38	536 063	036 074
C S. BRG. PIER 1	1.+74 52	-3 37	536 148	536 148
C N. BRG. PIER 1	11+75 61	-3 36	536 174	536 1/c
F	11+85 63	· 3 39	536 4.08	536 436
G	11+95 66	-1 98	536 643	536 689
H	12+05 /0	48	536 87 <i>2</i>	536 927
J	12+15 75	-4 87	537 099	537 157
K	12+25 80	-5 16	537 321	537 335
C S. BRG. PIER 2	15+59 81	~5.34	537 409	537 409
C N. BRG. PIER 2	12+30 89	-5 41	537 434	537 434
L	12+40 '14	-5 8 8	537 672	537 698
M	12+50 99	-6 25	537 881	537 923
N	12+61 05	6 52	538 081	538 126
C	12+71 12	-6 68	538 273	538 307
P	12+81 18	-6 74	538 462	538 473
G BRG. N. ABUT.	12+65 21	-6 74	538 535	538 535
BACK N. ABUT.	12+87 07	-6 73	538.570	538 570

PROFILE GRADE LINE

BEAM 6

BEAM	7
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LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
BACK S. ABUT	11:14		5.34 91.2	534 916
C BRG S ABUT	11 6	1.0	. 1 950	9 44 95 1
A	1		5 4 14	50 4 T 1 T 1
В	11:4		1 + 341,	530 397
С			The Late	1937 - 575
D	11.00		141	+ C − Z *0
E	11.	1	9 * 44"	59 db, 19 gb.
C S BRG PIER 1		1	44 (44 - 6224	536 024
C N BRG PIER 1		1.0	1: *** ::146	5.5ts (4th
F	1900		ರ್ಚೀ ಕ46	ರಚಿಕ ಕಿ/ಕಿ
G	*****	(/ V)	3t 44ti	5.36 480
н		· ·	· (* 1,41,	535 696
J			946	536 881
K	•	+ 6	. 46	537 059
€ S BRG PIER 2			337 Te 3	507, 176
C N BRG PIEK ?			597,147	537 140
L			537 344	537 365
M			537 47 537 14 5	537 181 537 784
N .		1 1	1 4	517 784 517 771
0 '		1 1	5.45 (44) 5.45 (44)	536 151
i '			53H 317	536 17. 538 717
C BRG N ABUT				538 747
BACK N. ABUT.			538 254	J.m 1.J4

LOCATION	STATION	DFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
BACK S. ABUT.	11+18 52	0 19	534.904	534 904
G BRG. S. ABUT.	11+20 35	0.09	534 943	534 943
Α .	11+30 34	-0 34	535 . 151	535 176
B	11+40.34	-0.68	535 360	535 402
ે .	11+50.35	-0 92	535 569	535 614
D	1:+60 36	1 06	535 <i>177</i>	535 810
E	11-70 37	-1 09	535 982	535 993
E S. BRG. PIER I	11+74 36	-1 08	536 063	536 063
C. N. BRG. PIER L	11+75 45	1 ! 1	5.6 086	536 086
F ·	11+85.44	-1.71	536 314	536 340
Ğ	11+95 45	5 20	536 541	536 583
н	12+05.47	2 59	536 764	536 810
J	12+15.49	-2.89	536 985	537 020
K	12+25 52	-3.08	537 202	537.215
© S. BRG. PIER ≥		-3.13	537.287	537 287
Ç N. BRG. PIER 2	13+30.60	-3 16	537 312	537.312
L	12+40 63	-3 63	537 545	537.570
M	12+50 66	-4 00	537 758	537.799
N	12+60 70	·4 27	537.963	538.007
0	12+70 74	-4 44	538 161	538.194
P	12+80 78	-4.50	538 354	538.365
@ PRG N. ABUT.	12+8+80	-4.58	539 430	538 439
BACK N. ABUT.	12+86 66	4 50	538 465	538 465

LOCATION	STATION		THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTE FOR DEAD LOAD DEFLECTION
BACK S. ABUT.	11+18 42	7 36	534 666	534 . 666
© BRG. S. ABUT.	11+20 24	7 26	534 704	534.704
A	11+30 16	6.82	534 907	534 . 941
В	11+40 09	6 48	535 109	535 165
. С	11+50 02	6.24	535 308	535 368
B	11+59-96	6 10	535 505	535.550
Ε	11+69 90	6 06	535.698	535.713
C S. BRG. PIER 1	11+73 86	6 07	535 773	535 773
C. N. BRG. PIER 1	11+74 94	6 03	535 795	535 795
F	11+84.86	5 44	536 011	536 046
G	11+94-80	4 94	53ს 223	536 282
Н	12+04 74	4.54	536 428	536 492
J	12+14.70	4 24	536 630	536 679
K	12+24 65	4.04	536 B29	536.847
E S. BRG. PIER 2		3 98	536.908	536 908
C N. BRG. PIER 2		3.95	536 930	536 930
L	12+39.66	3 47	537 145	537.178
M	1: 49 62	3 (9	537 369	537 424
N	12+59.59	2.81	537 589	537 648
C	12+69.56	5 63	537.804	537 848
Р	12+79.53	2 55	538 013	538.027
Ç BRG. N. ABUT.	12+83 5i	2 55	538 . 095	538 095
BACK N. ABUT.	12+85 36	2.55	538 133	538 123

BEAM 8

BEAM 9

BEAM 10

LOCATION	STATION	DFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
BACK S. ABUT.	11019 32	(4 thr)	514 489	534 429
CE BRG. S. ABUT.	11.9 13	[4-43	534 4G5	534 465
A	11.774 -194	13 9	5.47,658	534 697
В	Compression and	· +) 14 B49	534 90:
С	11:49	19.45	131 139	535 099
ם	1100 6 66	13.6	+ 221	535-270
È E	11.46 + 4 +	19 €1	1.31 408	535 423
& S. BRG. PIER 1	11 - 73 - 37	13.73	5.at 480	535 480
C N. BRG. PIER 1	11+74-44	1.6 18	5.55 531	5.35 (30)
F	11+84	17 38	535 707	535 742
G	11+94-16	1.5 47	533, 907	535 966
н	16:04 63	11.67	536 094	536 158
j	12-13 91	11 16	536 279	536 329
l ĸ	121101 60	11 11.	536 460	536, 478
Q S. BRG. PIER 2	12+27 74	11 09	536 531	536 531
E N. BRG. PIER 2	1,1428,83	11.06	536, 557	536 BBP
- L	13+38-71	10.57	536 749	536 79∂
M	12+48 65	10.15	5.76 976	537 031
i n	12+58-50	9 89	537 212	537.271
a	12+68 40	9 /C	507 443	53/ 48/
P	12+78 30	9 61	537 668	537 682
Ç BRG. N. ABUT.	12+82 75	9 60	537 756	537 756
BACK N. ABUT.	12+84 09	9 61	537 798	537 798

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEVATION ADJUSTED FOR DEAD LUAD DEFLECTION
BACK S. ABUT.	11+18.22	21 69	534 . 1.92	534 . 192
& BRG, S. ABUT.	11+20.02	21.60	534 226 '	534 . 226
Α	11+29.80	21 15	534.409	534 441
3	11+39-59	50 81	534 590	534 642
C	11+49.38	20 56	534 770	534 826
ן ס	11+59.18	20.41	534 - 947	534.989
E	11+68.97	20 36	535 120	535 134
C S. BRG. PIER 1	11+72.88	20.37	535.188	535.188
C N. BRG. PIER 1	11+73.95	20.33	535.208	535 208
F	11+83 73	19 72	535 404 -	535.436
G	11+93.53	19 ct	535 594	535.647
н	12+03 33	18.80	535 /63	535 820
J	12+13.14	18.48	535 930	535.974
K	12+22 96	18 27	536 094	536 110
C S. BRG. PIEP 2		18.81	536 . 158	536 158
Ç N. BRG. PIER 2		18.17	536 177	536.177
L	12+37 78	17.68	536 . 356	536.389
M	12+47 60	17 28	536 580	536 . 635
N	12+57.42	16.98	536 832	536.891
0	12+67 25	16.77	537 078	537.122
P	12+77.09	16:67	537.319	537.333
€ BRG. N. ABUT.	12+81 00	16.66	537.414	537.414
BACK N. ABUT.	12+82.83	16.66	537 . 458	537.458

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELENATION ADJUSTED FOR DEAD LOAD DEFLECTION
BACK S. ABUT.	1*+18.17	25 94	534 051	534 351
C BRG. S. ABUT.	11+19 95	25 89	534 082	534 082
Α	11+29.70	25 70	534 251	534 277
В	11+39.45	25.60	534 418	: 14 460
· c	11+49 19	25 60	534 582	534-627
D	11+58 94	25 70	594 748	534 776
Ε	11+68 69	25 90	534 898	534 909
C S. BRG. PIER 1	11+72 50	P6 01	534 958	534 958
C N. BRG. PIER 1	11+73.56	26 OU	534 976	534 976
F	11+83 30	25 66	535 154	535 182
G	11+93 05	25 4:	535 325	535 371
н	15+05 £0	25 26	535 467	035 516
J	12+12 '15	25 21	535 605	535 641
K	12+22 30	25 26	535 739	535 751
E S. BRG. PIER 2		25.31	ს35 788	535 788
C N. BRG. PIER 2		52 5a	535.804	535 804
L	12+36-85	24 78	535 967	536 000
м	12+46 60	34 37	536 180	536 234
N	12+56-36	24 05	536 448	536 506
0	12+66 12	23 85	536 710	536 753
P	12+75.89	23 73	536 967	536 981
€ BRG. N. ABUT.	12+79.78	23 72	537 067	537 067
BACK N. ABUT.	12+81.60	23 71	537 114	537 114

ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK ELEVATIONS
S.CHICAGO ST. OVER HICKORY CR.
F.A.P. 846
SECTION 99-4WRS,99-4B-Y(89)
WILL COUNTY
STA. 12+00.00
SN 099-0083
SCALE: DRAWN BY: JA.V.
DATE: CHECKED BY: A.J.M.

TAMERAN

THEORETICAL GRADE THEORETICAL GRADE ELEVATION ADJUSTED LOCATION STATION OFFSET FOR DEAD LOAD ELEVATION DEFLECTION 143 911 144 194 164 194 164 194 164 197 164 197 164 197 164 77 164 77 165 172 165 172 165 185 165 185 543 911 534 939 544 127 234 28 4 34 434 534 686 534 686 534 729 535 097 535 097 BACK S ABUT. C S. BRG. PIER 1 C N BRG PIER 1 535 097 535 214 535 312 535 395 535 428 535 435 535 787 536 058 536 309 536 546 536 630 536 630 535 385 535 426 535 426 535 435 535 563 536 743 536 177 536 536 536 630 536 677 G S. BRG. PIER 2 G N BRG. PIER 2 17-74 E 1 12-78 27 © BRG N. ABUT. BACK N. ABUT.

BEAM 11

ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK ELEVATIONS
S.CHICAGO ST. OVER HICKORY CR.
F.A.P. 846
SECTION 99-4WRS.99-4B-Y(89).
WILL COUNTY
STA. 12+00.00
SN 099-0083
SCALE: DRAWN BY: JAW.
DATE: CHECKED BY: A.JM.

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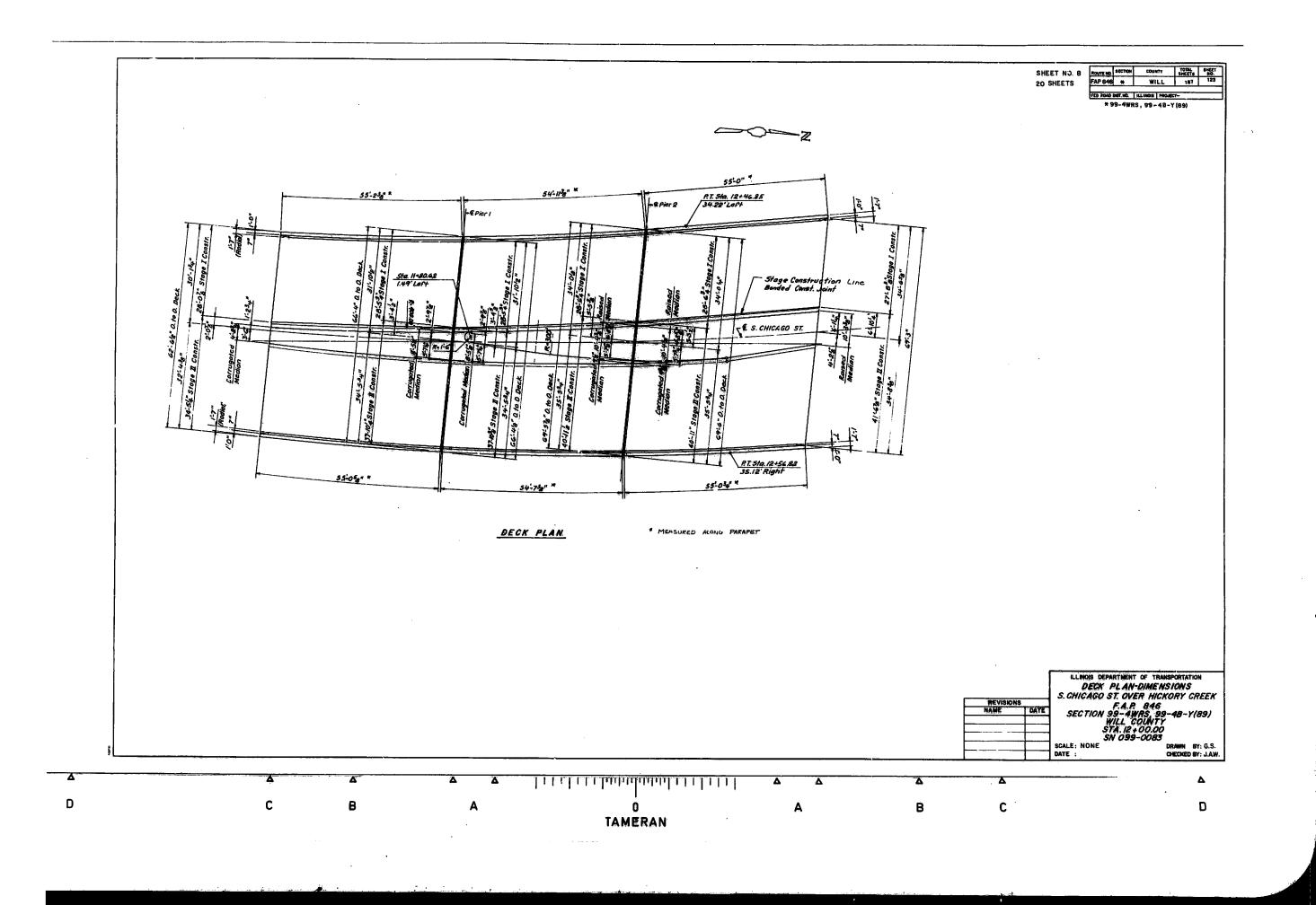
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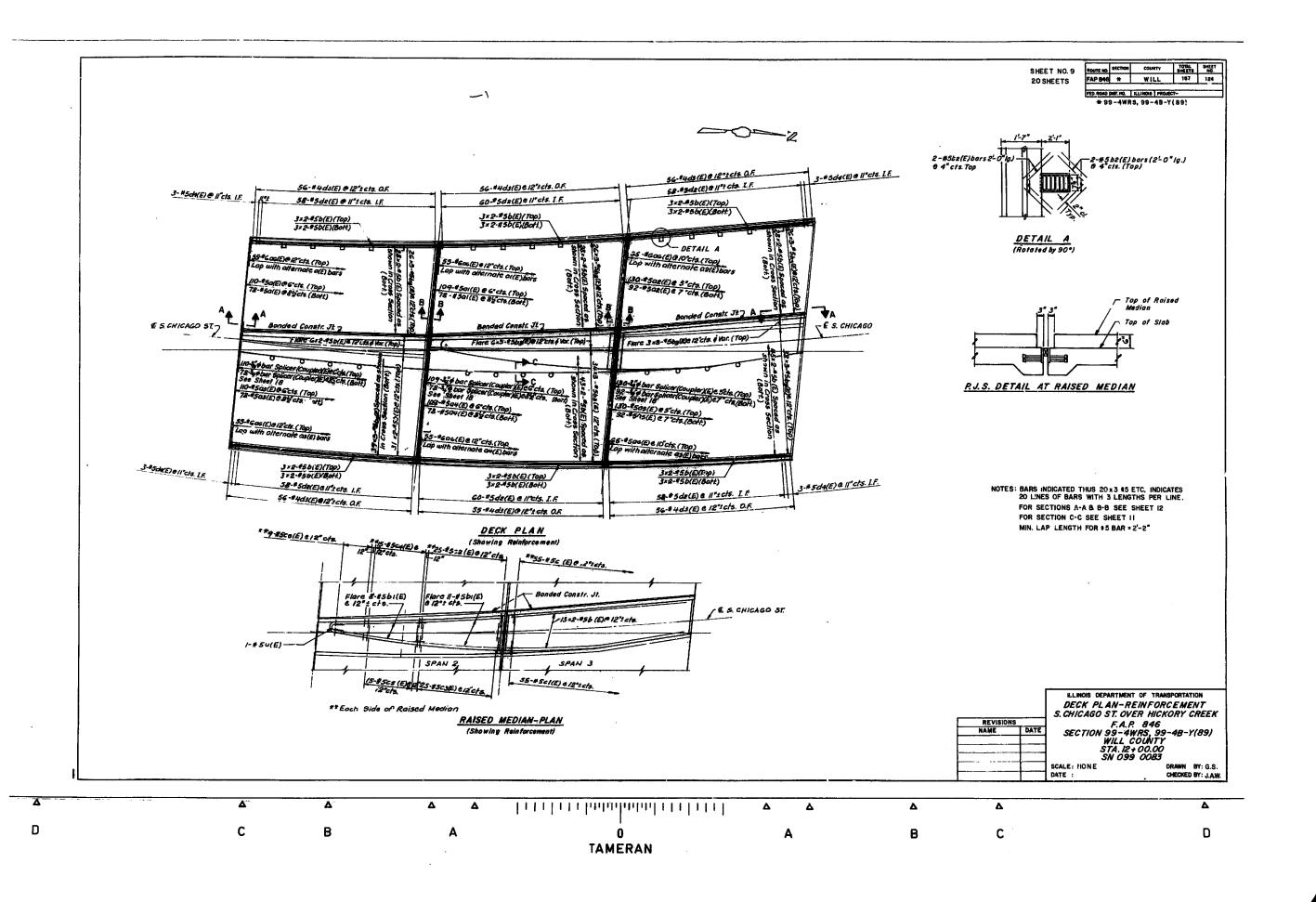
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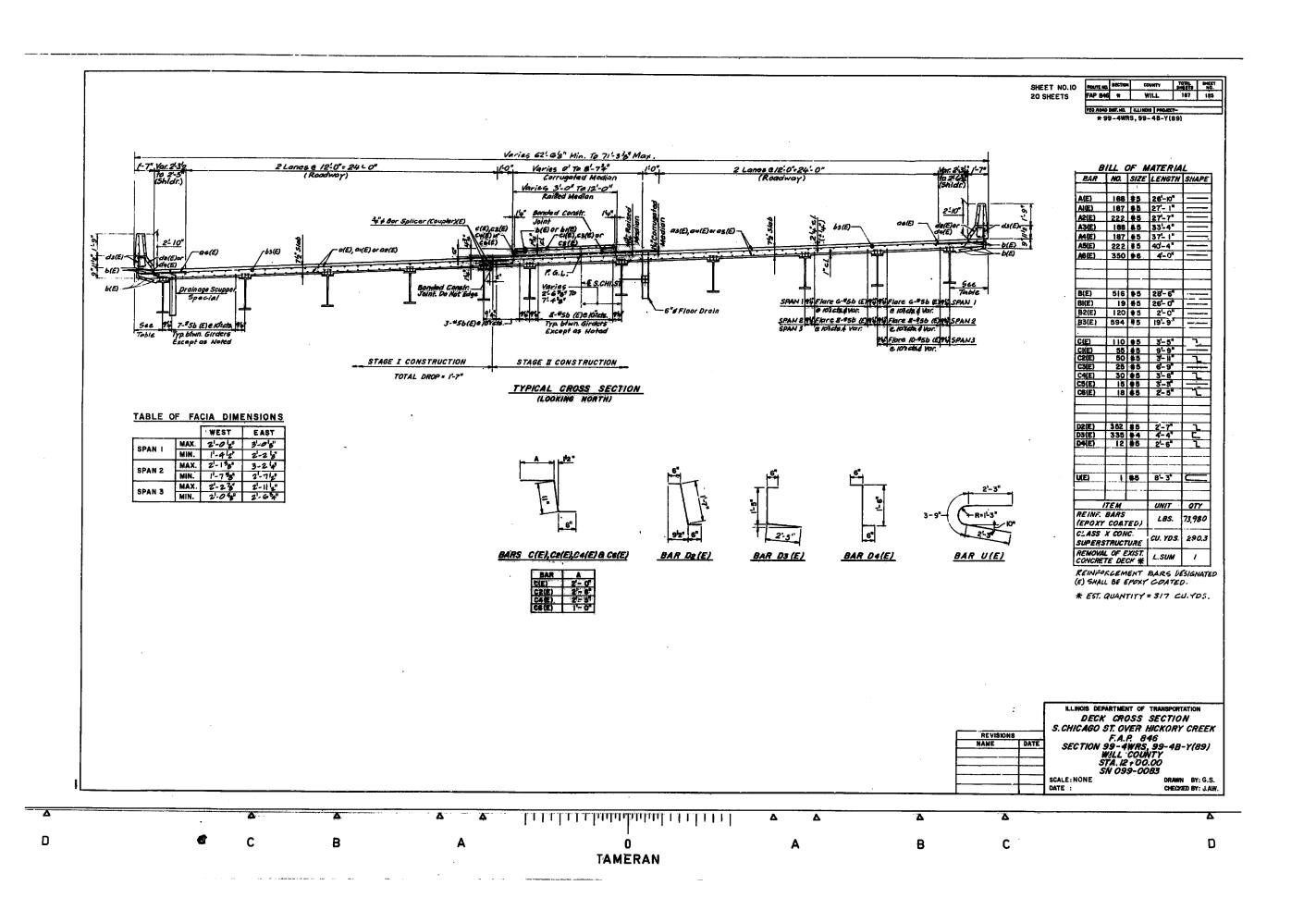
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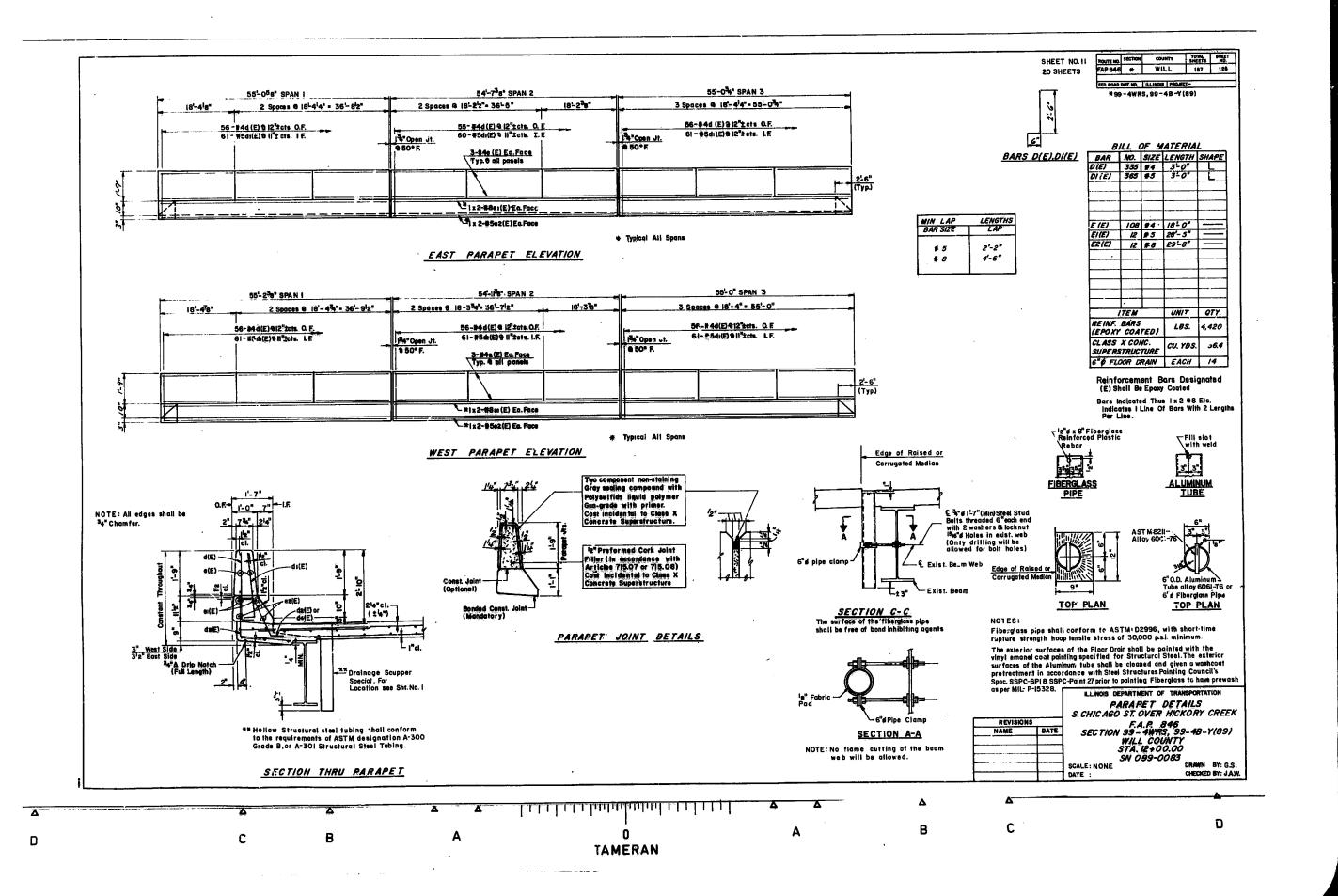
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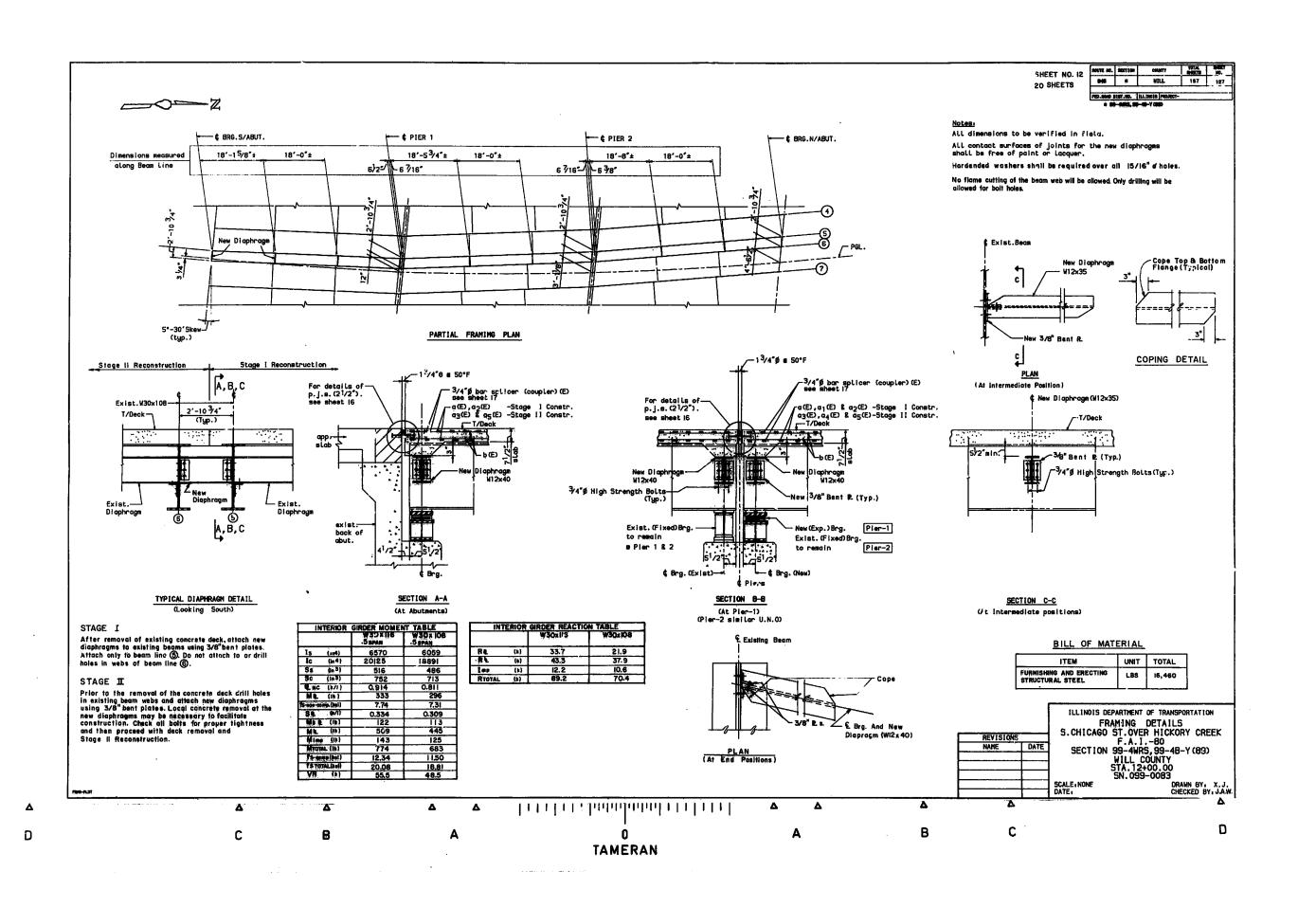
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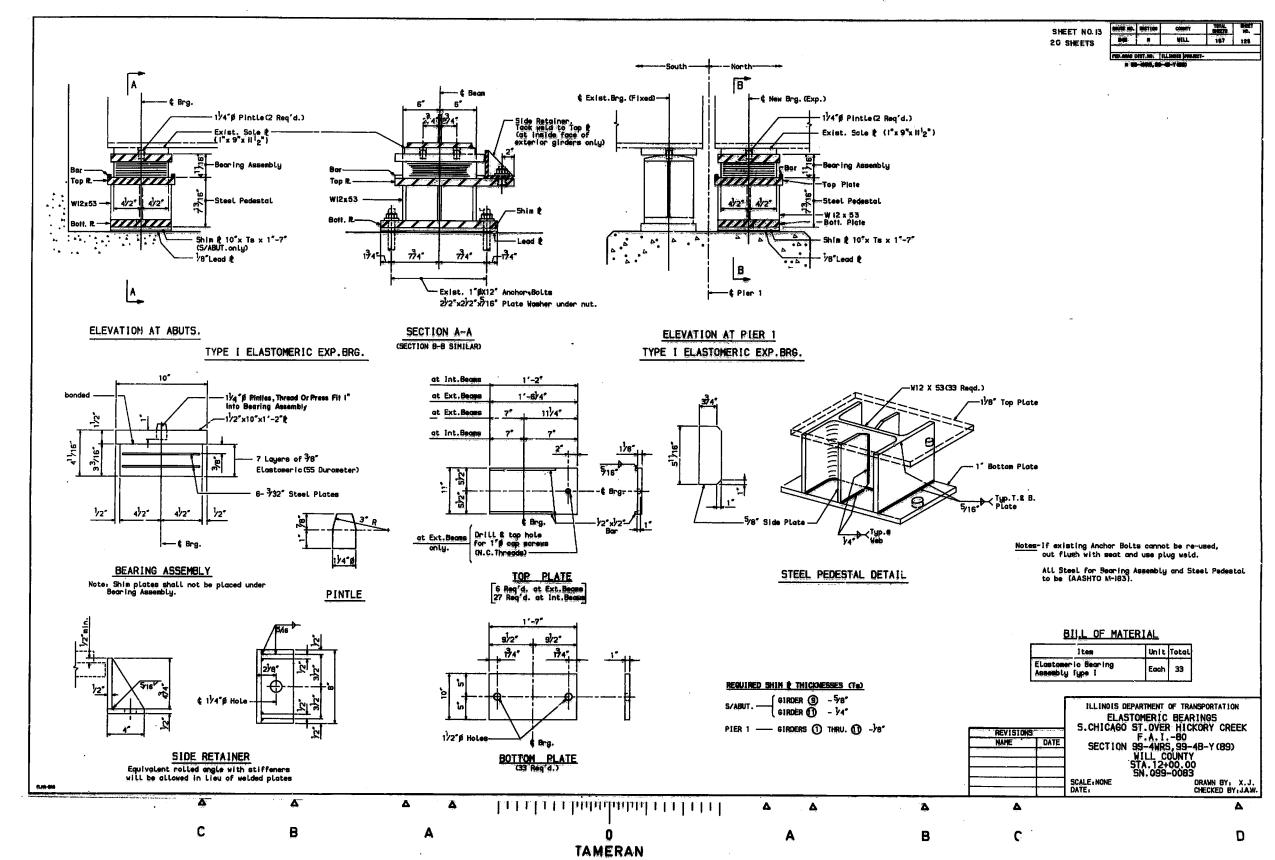




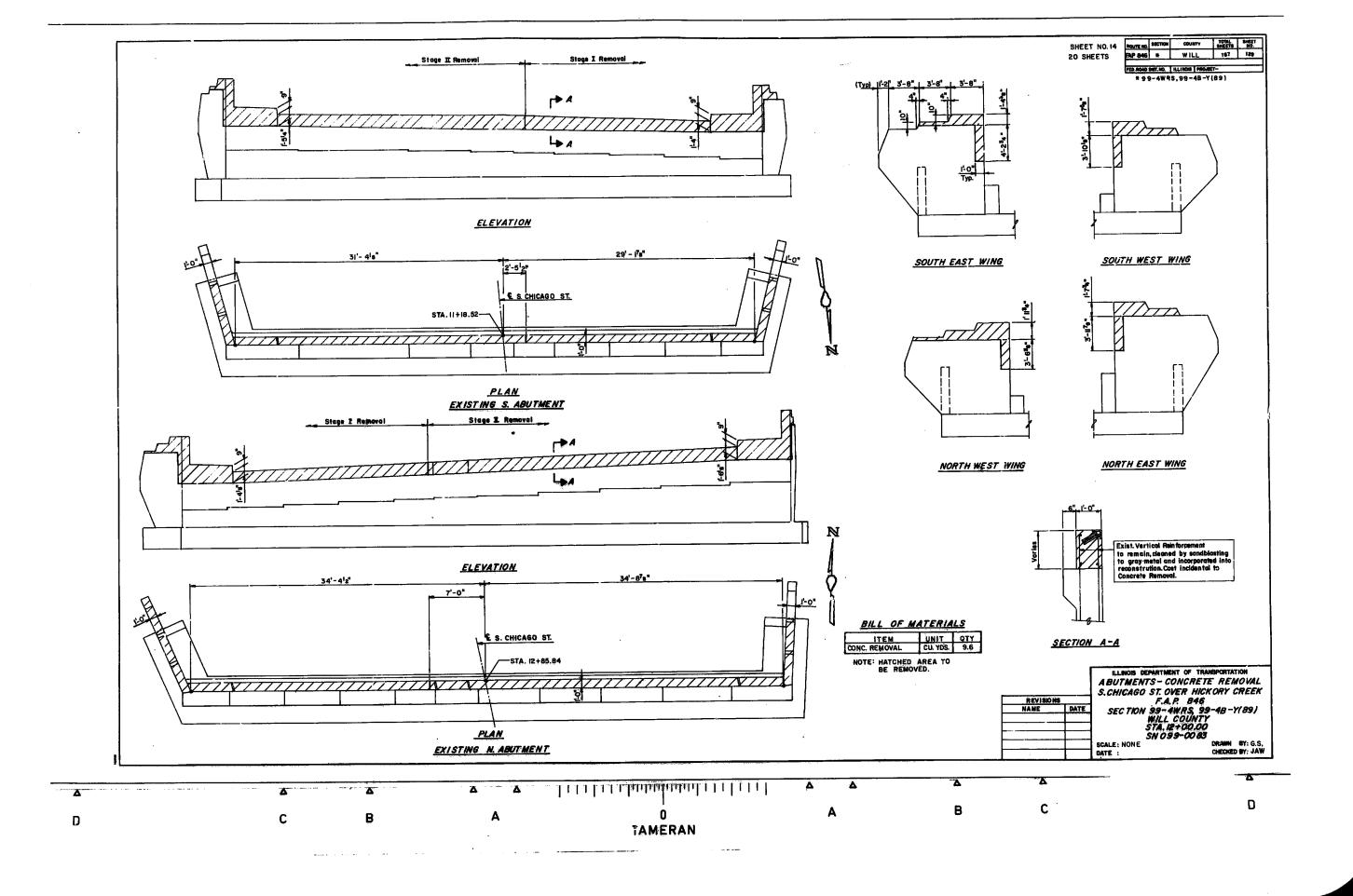


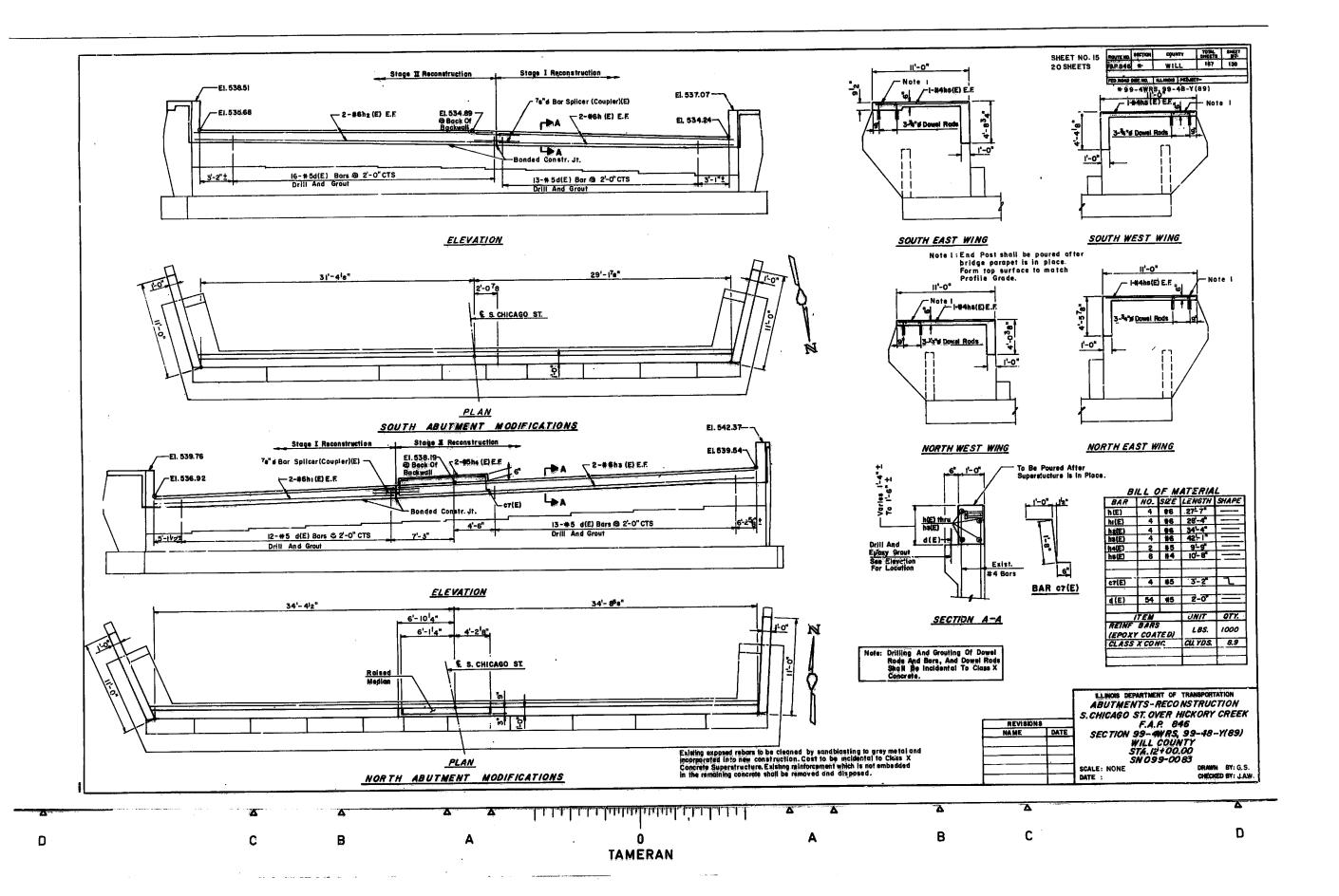




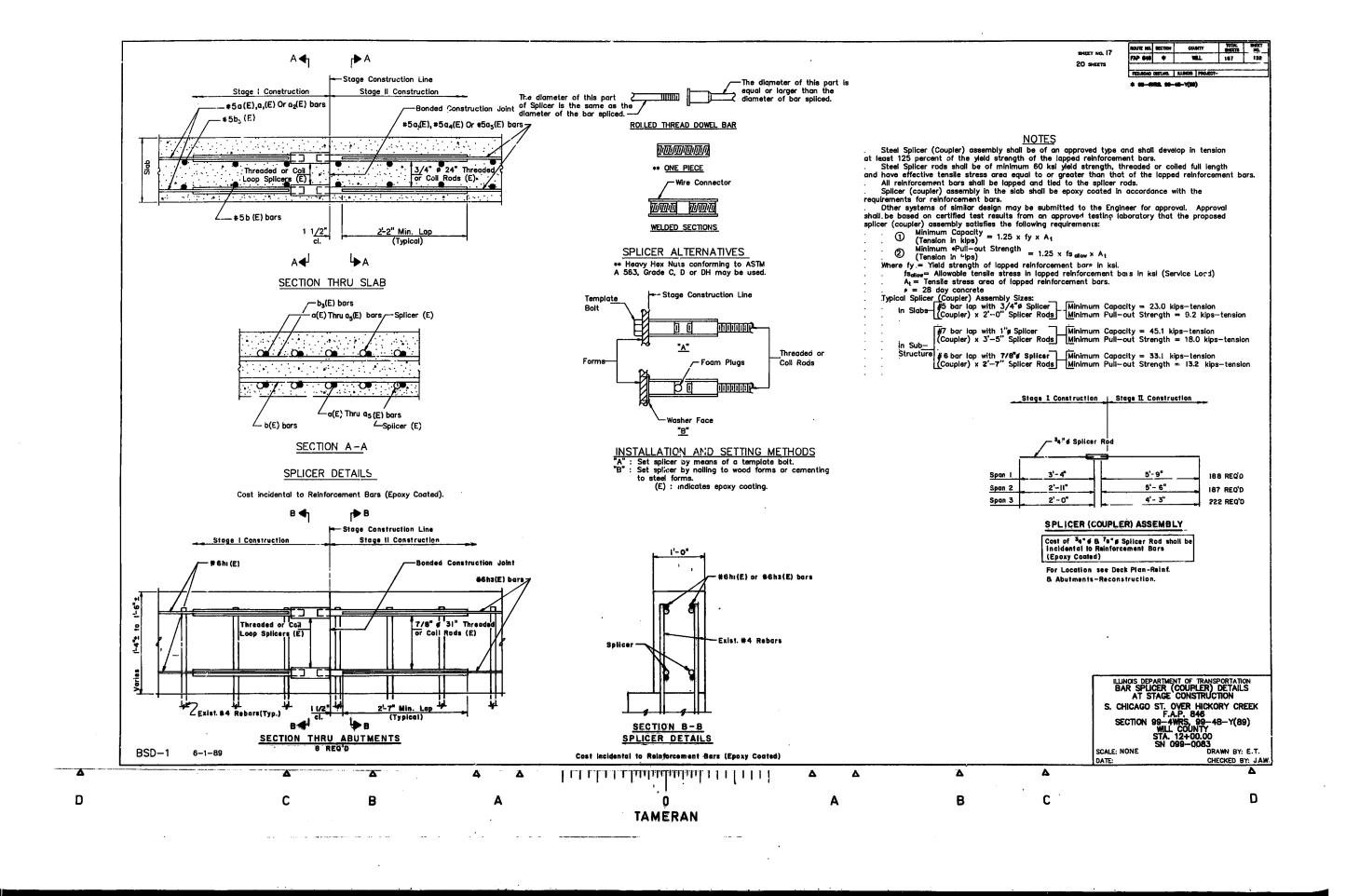


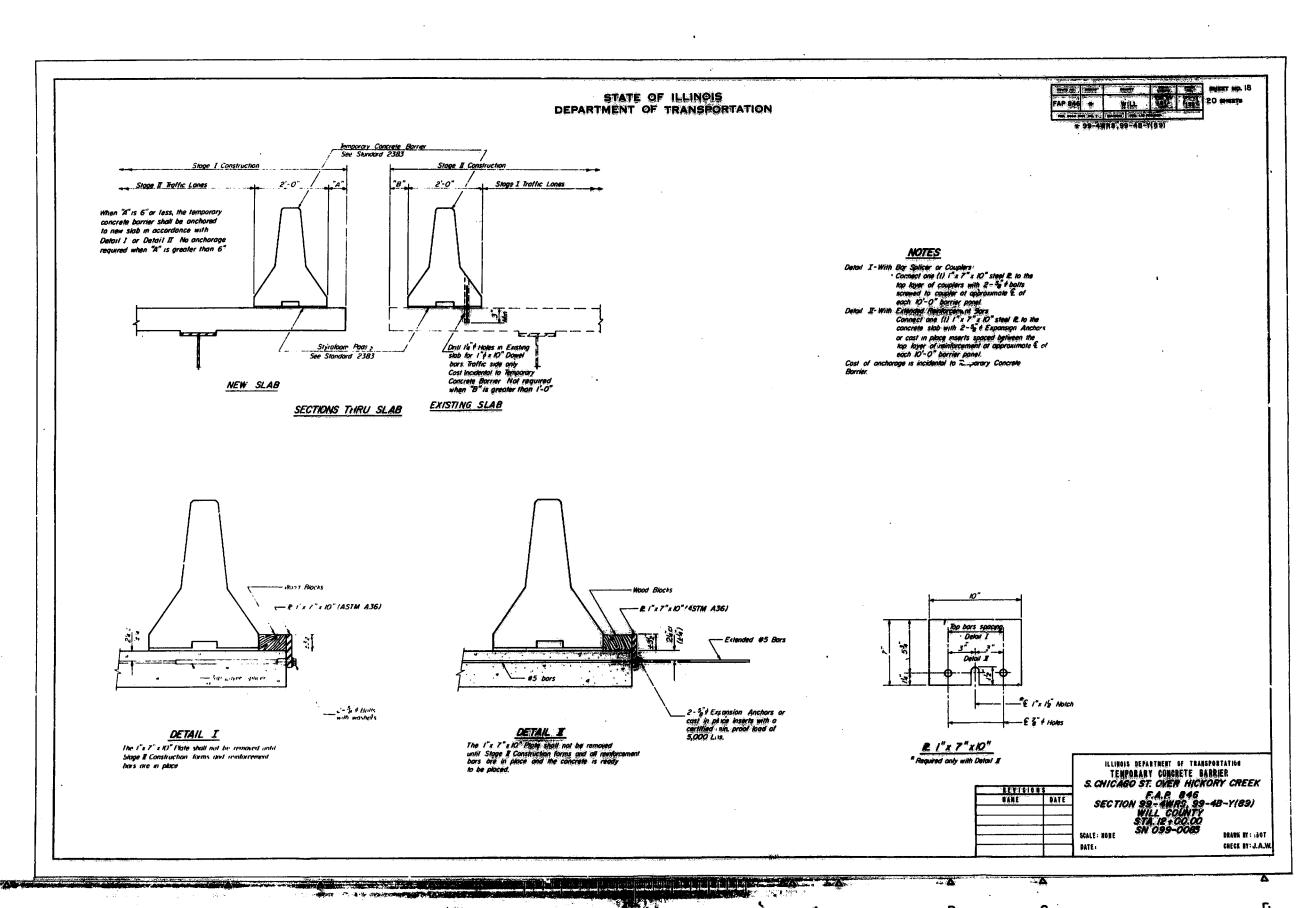
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8 ABUTMENTS Fabricate to crown. (Typ.) 7/16" # Holes at 12" cts. for 3/8" # botts. All botts shall be burned, sowed or chipped off flush with the plates after forms are removed. (Typ.) 3/32" 3/4" \$ x 8" Granular or solid flux filled headed studs conforming to Article 710.38 of the Std. Specs. automatically end welded at 12" alt. cts. Furnish in segments of 20 ft. maximum length. Maximum space between installed segments shall be 3/16". Seal space with Silicone Sealant suitable for Structural Steel. 9 PIERS END TREATMENT PREFORMED JOINT SEAL (2 1/2") SEAL CUT-OUT ILLINOIS DEPARTMENT OF TRANSPORTATION
P.J.S. DETAILS (2 1/2")
S. CHICAGO ST. OVER HICKORY CREEK
F.A.P. 846
SECTION 99-4WRS 99-42-Y(89)
WILL COUNTY
STA. 122-20 00
5" 09C 2-83
SCALE: NONE
DATE: CHECKED BY.J.A.W. SCALE: NONE Trilitial de de la companie de la c C D В D C В TAMERAN





TAMERAN

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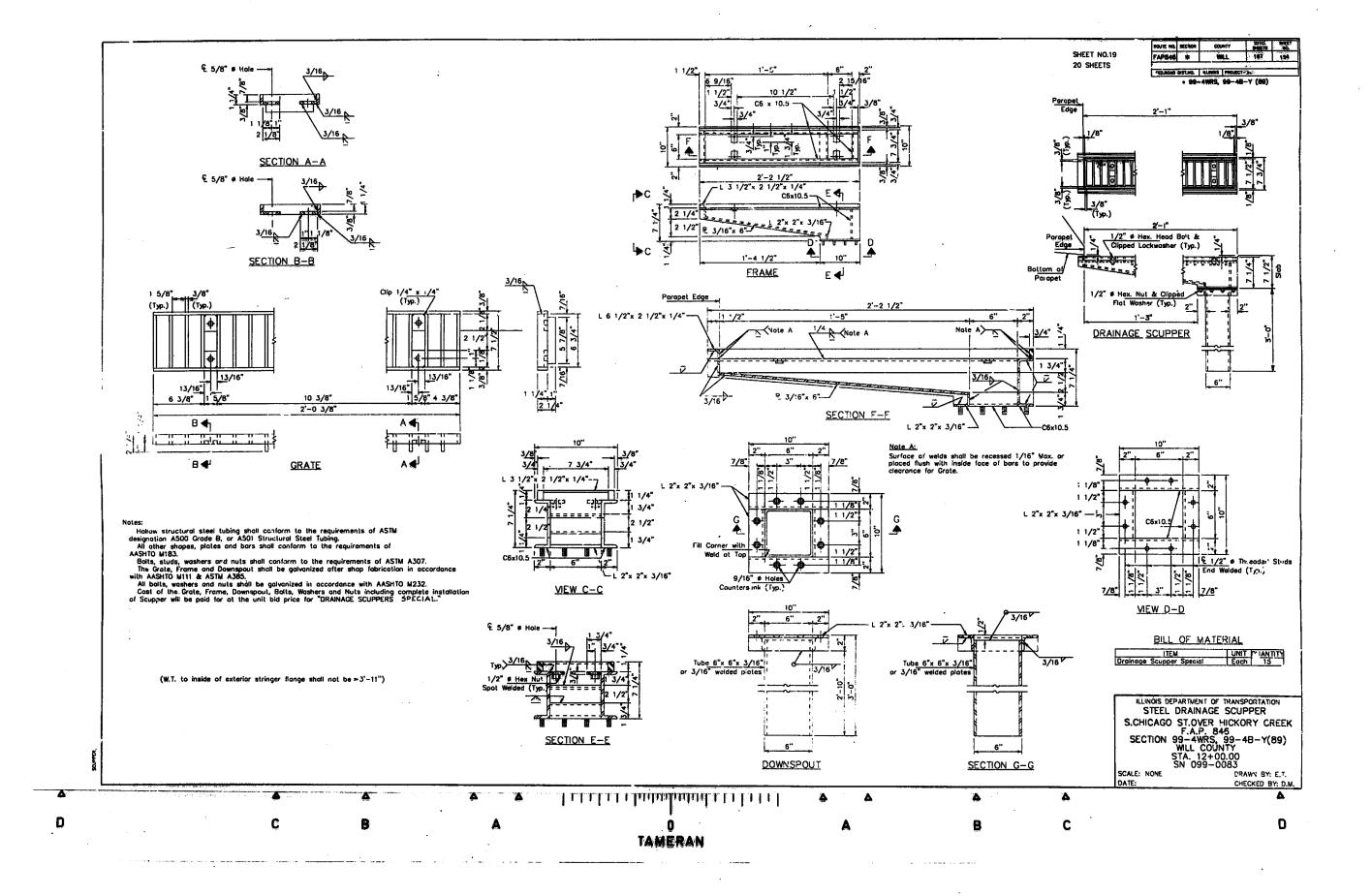
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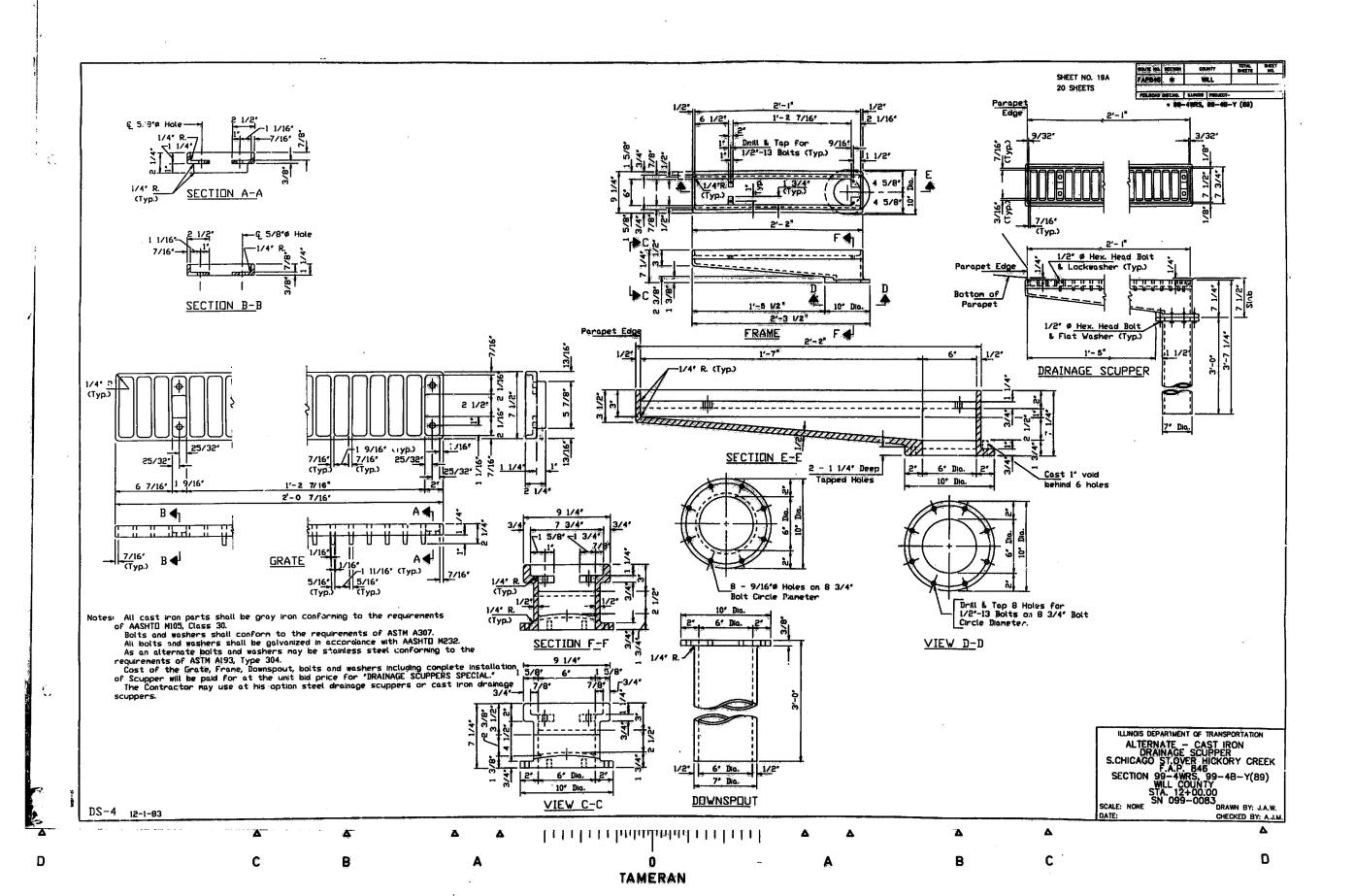
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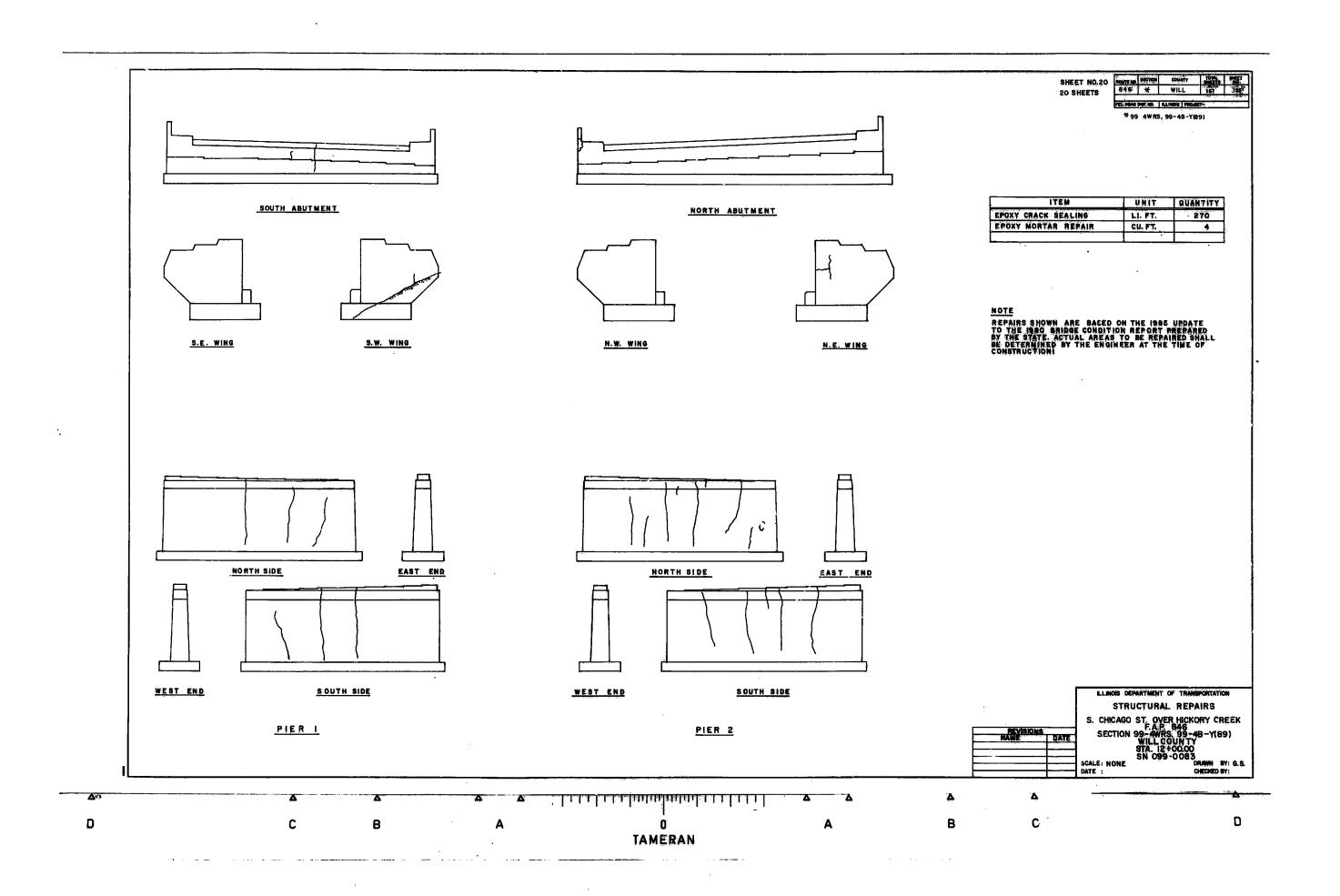
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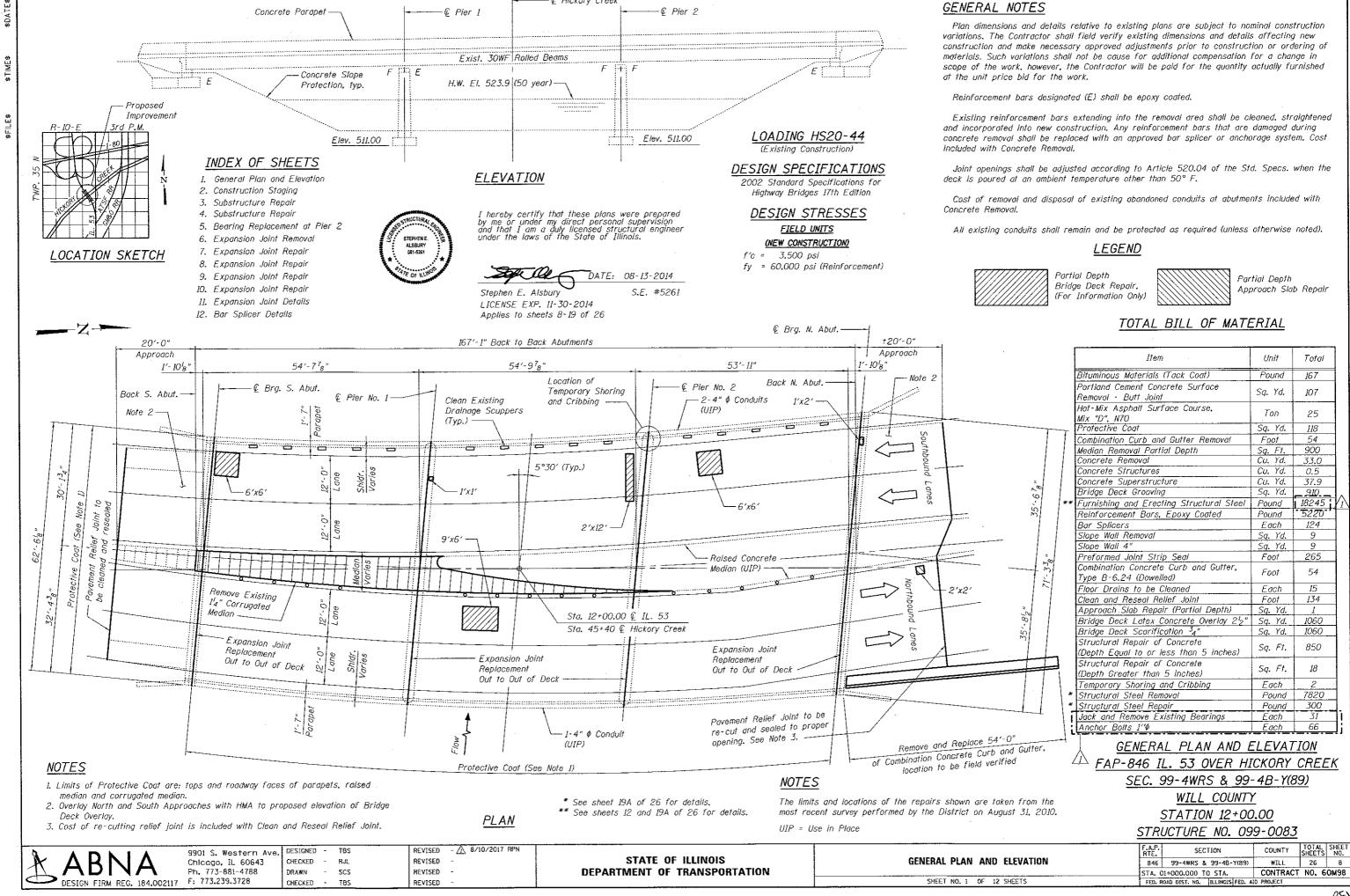
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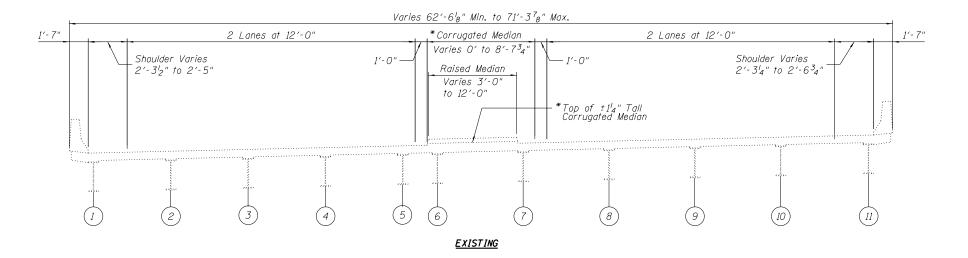
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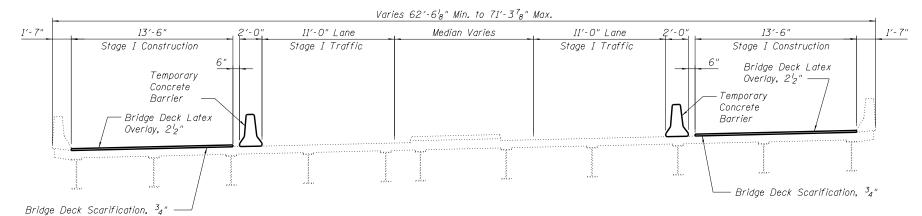




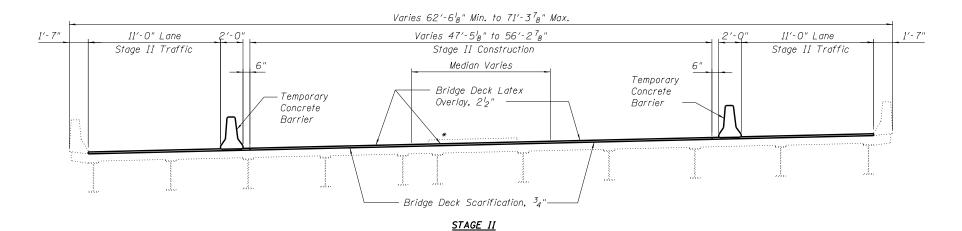








STAGE I

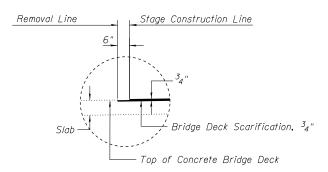


PROPOSED CONSTRUCTION STAGING

NOTE:

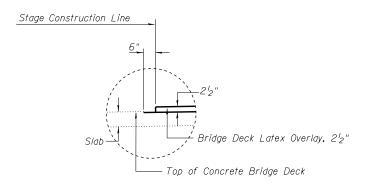
Temporary Concrete Barrier is paid for as Roadway Item. See Standard 704001-06

*Corrugated Median to be removed and area scarified. New Concrete Overlay to be placed after scarification.



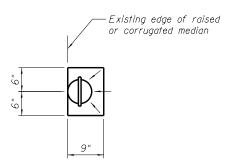
DETAIL A (Showing Removal)

(Looking North)



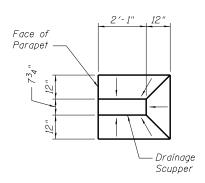
DETAIL B (Showing Proposed)

(Looking North)



OVERLAY TREATMENT AT FLOOR DRAIN

Taper overlay from $2\frac{1}{2}$ " to 1" at edge of drain.



OVERLAY TREATMENT AT DRAINAGE SCUPPER

Taper overlay from $2\frac{1}{2}$ " to 1" at edge of drain.



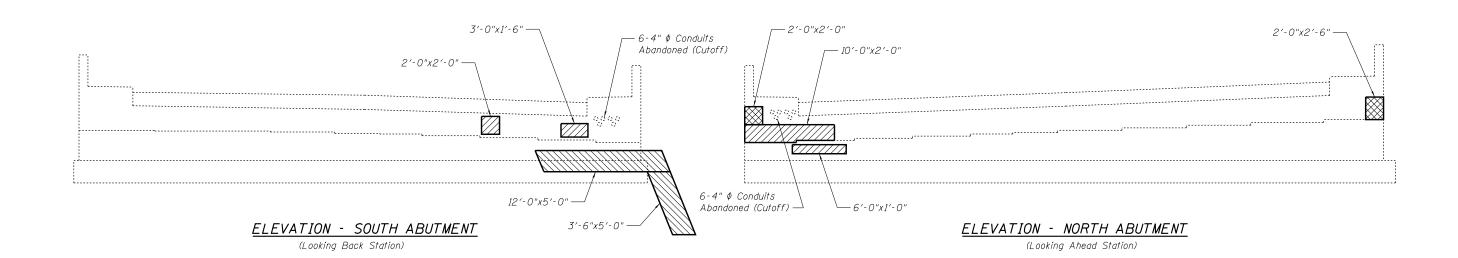
9901 S. Western Ave. Chicago, IL 60643 Ph. 773-881-4788

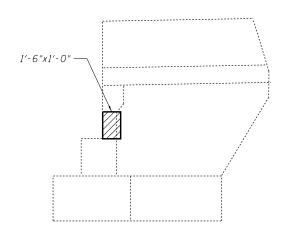
DESIGNED CHECKED DRAWN CHECKED

REVISED RJL REVISED SCS REVISED TBS REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **CONSTRUCTION STAGING** SHEET NO. 2 OF 12 SHEETS

SECTION COUNTY 846 99-4WRS & 99-4B-Y(89) WILL 26 9 CONTRACT NO. 60M98 STA. 01+000.000 TO STA.





ELEVATION - N.E. WINGWALL

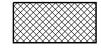
<u>NOTES</u>

- 1. The contractor shall take sufficient precautions to prevent pollution of creeks or streams with construction materials.
- 2. The contractor shall avoid placing construction devices in creeks or streams. Placement of any such items shall be subject to approval by IDOT.
- 3. Slopewall shall be reinforced with welded wire fabric, 6 in. \times 6 in. W4.0 \times W4.0, weighing 58 lbs. per 100 sq. ft. The cost of reinforcement shall be included with pay item for Slope Wall,
- 4. A minimum of 6" overlap between existing and new welded wire fabric must be provided.

LEGEND



Structural Repair of Concrete (Depth Equal to or less than 5 in.)



Structural Repair of Concrete (Depth Greater than 5 in.)



Slope Wall Repair 4"



9901 S. Western Ave. Chicago, IL 60643 Ph. 773-881-4788

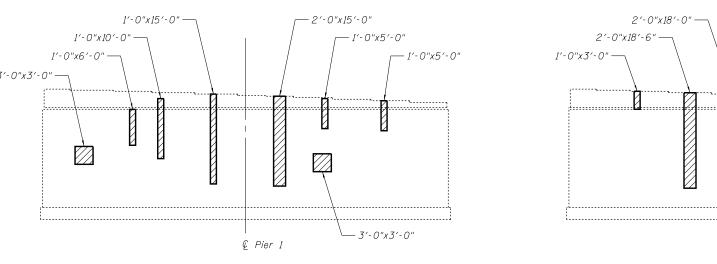
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REVISED REVISED REVISED REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SUBSTRUCTURE REPAIR SHEET 1 of 2 SHEET NO. 3 OF 12 SHEETS

SECTION COUNTY 846 99-4WRS & 99-4B-Y(89) 26 10 WILL CONTRACT NO. 60M98 STA. 01+000.000 TO STA.



- 1'-0"x19'-0"

1'-0"x19'-2"

- 2'-0"x12'-5"

— 1'-0"x18'-0" - 1'-0"x17'-6" - 1′-0"x5′-0" - 3′-0"x4′-0" — 4′-8³4" Ф -7′-0"x10′-0" © Pier 2

1'-0"x8'-0"

REACTION TABLE (KIPS)

Structural Repair

(Depth Equal to or

less than 5 in.)

Concrete Removal

of Concrete

LEGEND

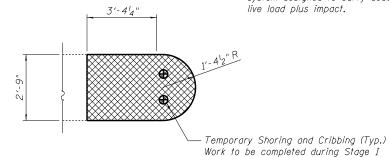
1/2(LL+I) Location DLSpan 2 34.9 38.8 34.9 38.9 Span 3

Note: Reaction Table provided for Temporary Shoring, Contractor shall provide shoring system designed to carry dead load plus 1/2 live load plus impact.

WEST END - PIER 2 NORTH ELEVATION - PIER 2

(Looking Back Station) - 1'-0"x4'-0" 2'-0"x19'-6" -2'-0"x19'-0"-- 1'-0"x17'-0" 2'-0"x19'-0" — 3'-0"x4'-0" 4'-8³4" — 3'-0"x5'-0" 8'-0"x8'-0" € Pier 2 - 1'-0"x17'-0"

SOUTH ELEVATION - PIER 2

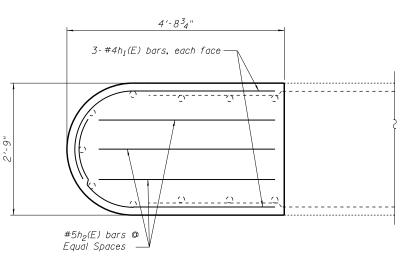


SECTION A-A

Note: Cost of anchor bolt removal is included in pay item Concrete Removal.

SOUTH ELEVATION - PIER 1 (Looking Ahead Station)

— 1'-0"x7'-0"



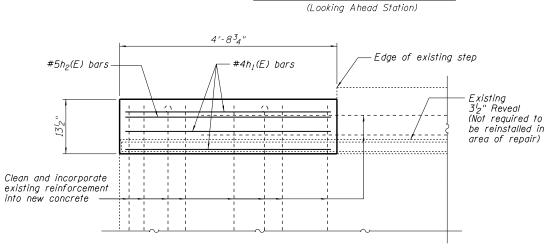
NORTH ELEVATION - PIER 1

© Pier 1

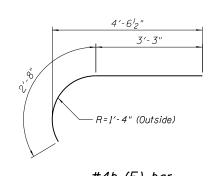
(Looking Back Station)

2'-0"x18'-7" —

5'-0"x2'-0"



SOUTH ELEVATION



 $#4h_1(E)$ bar

Concrete	Removal	Cu. Yo	j.	0.5

BILL OF MATERIAL

#5

Size Length Shape

3'-4"

Cu. Yd.

Pound

0.5

40

#4 5'-11"

No.

Concrete Structures

Reinforcement Bars,

Epoxy Coated

h₂(E)

NOTES

- 1. The contractor shall take sufficient precautions to prevent pollution of creeks or streams with construction materials.
- 2. The contractor shall avoid placing construction devices in creeks or streams. Placement of any such items shall be subject to approval by IDOT.

A	ABNA	9901 S. Western Chicago, IL 606
	DESIGN FIRM REG. 184.002117	Ph. 773-881-4788 F: 773.239.3728
	DESIGN FIRM REG. 104.002111	1. 113.233.3120

9901 S. Western Ave. Chicago, IL 60643 Ph. 773-881-4788

DRAWN

PLAN

DESIGNED CHECKED RJL SCS CHECKED -TBS

REVISED REVISED REVISED REVISED

WEST END - PIER 2 REPAIRS

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SUBSTRUCTURE REPAIR SHEET 2 of 2 SHEET NO. 4 OF 12 SHEETS

SECTION COUNTY 846 99-4WRS & 99-4B-Y(89) WILL 26 11 STA. 01+000.000 TO STA. CONTRACT NO. 60M98

ABNA 9901 S. Western Ave. DESIGNED - TBS
Chicago, IL 60643
Ph. 773-881-4788
DESIGN FIRM REG. 184.002117 F: 773.239.3728

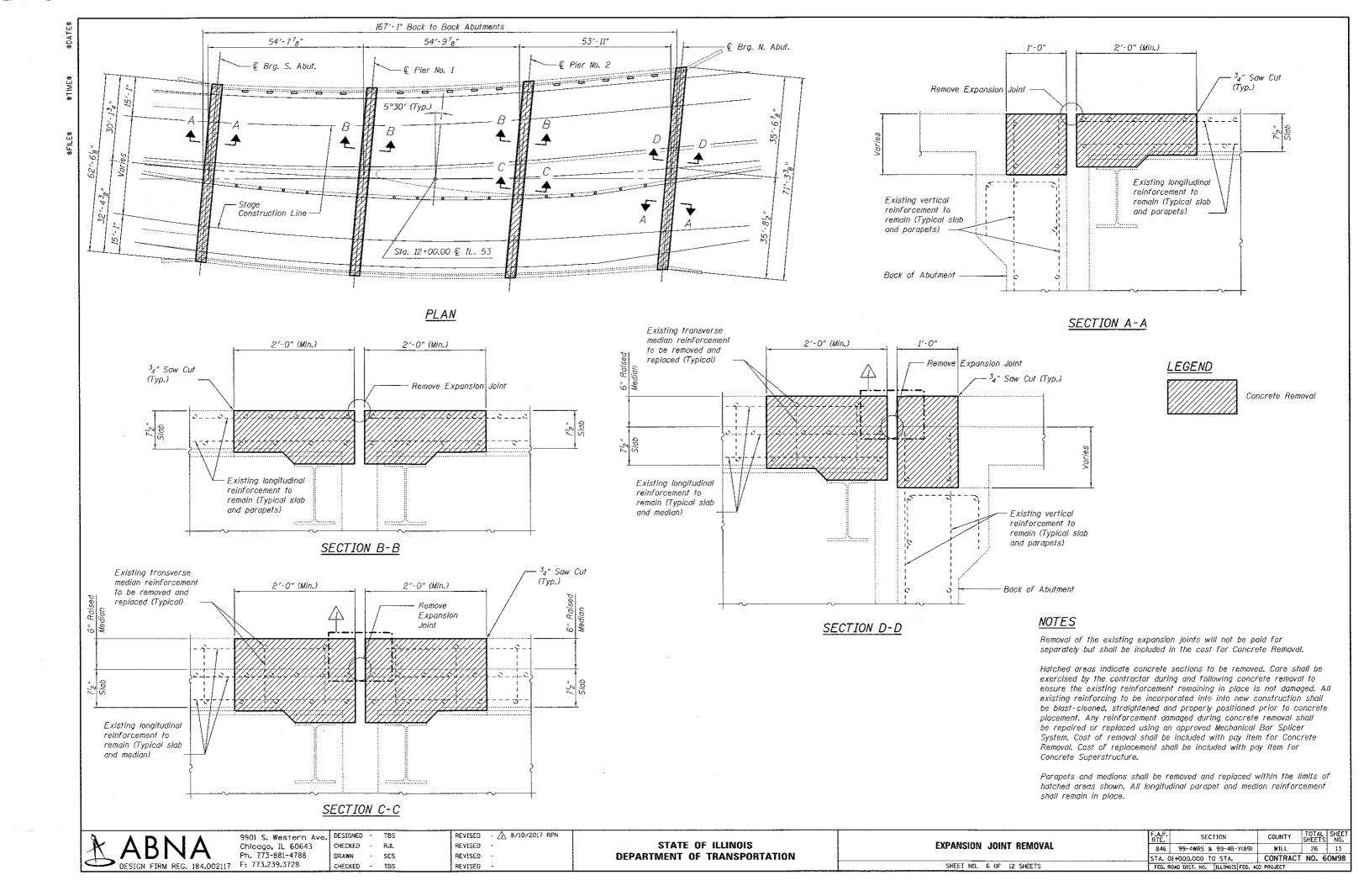
DESIGN FIRM REG. 184.002117 F: 773.239.3728

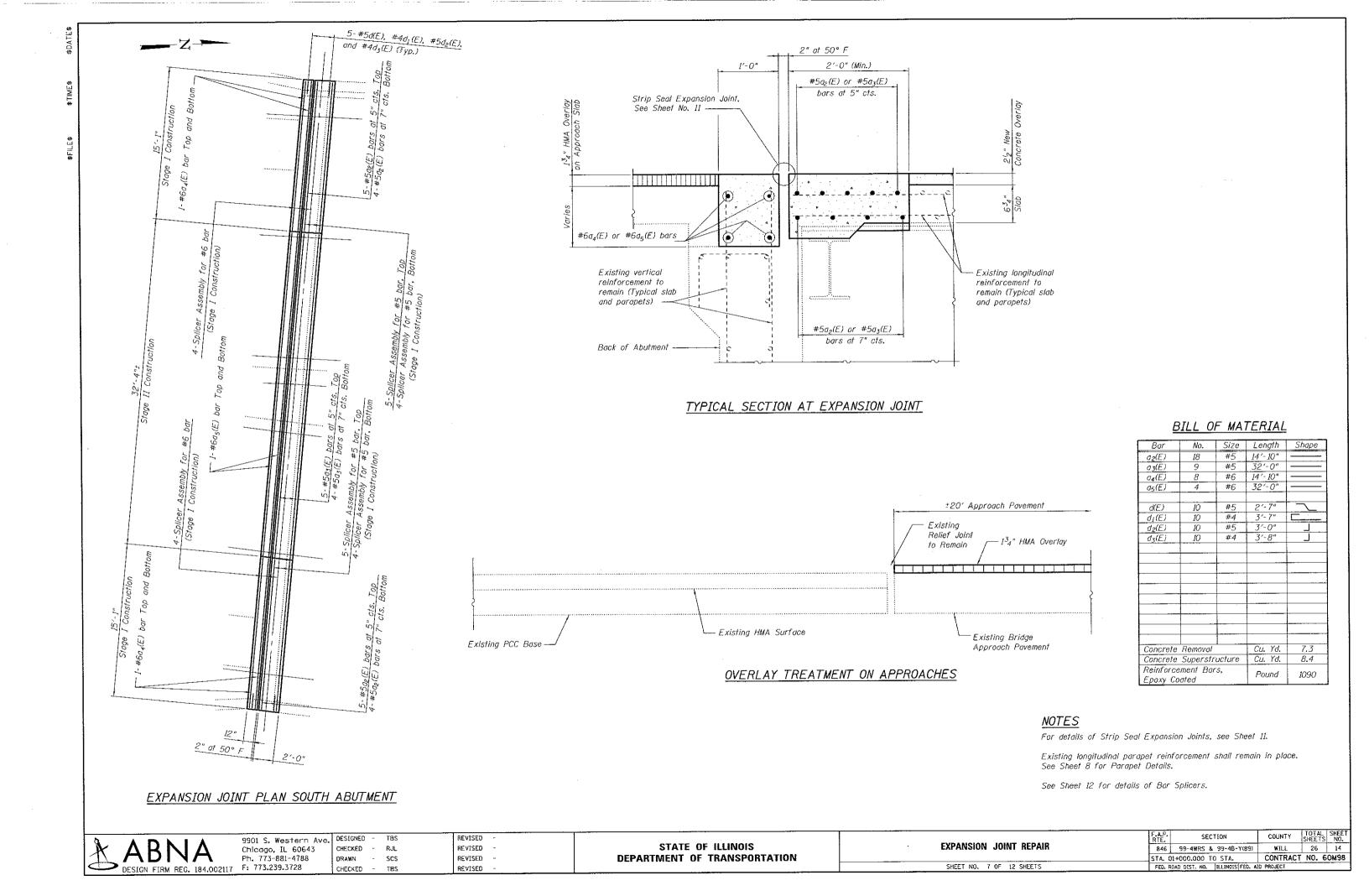
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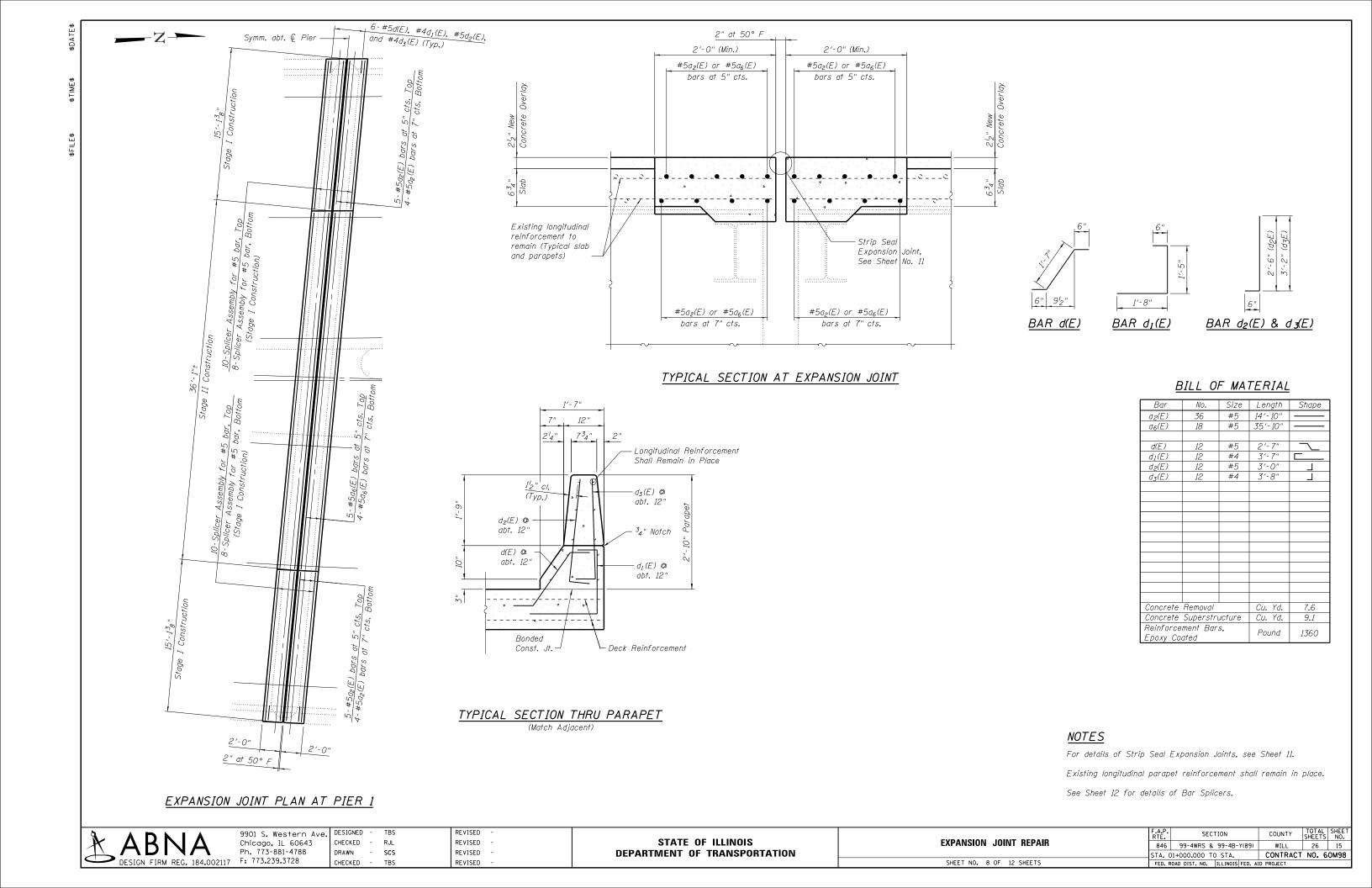
REVISED - <u>A</u> 8/10/2017 RPN REVISED -REVISED -REVISED

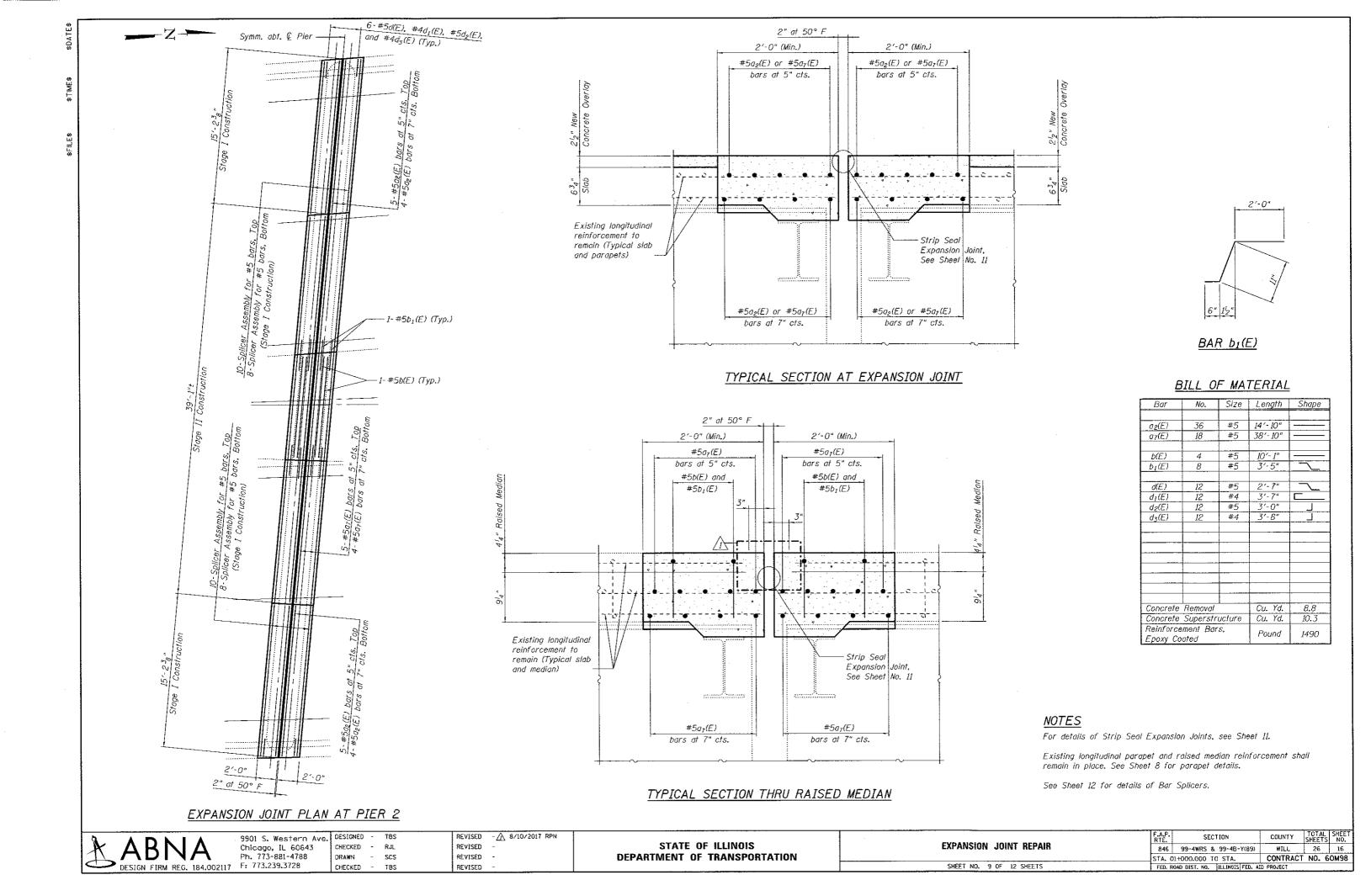
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

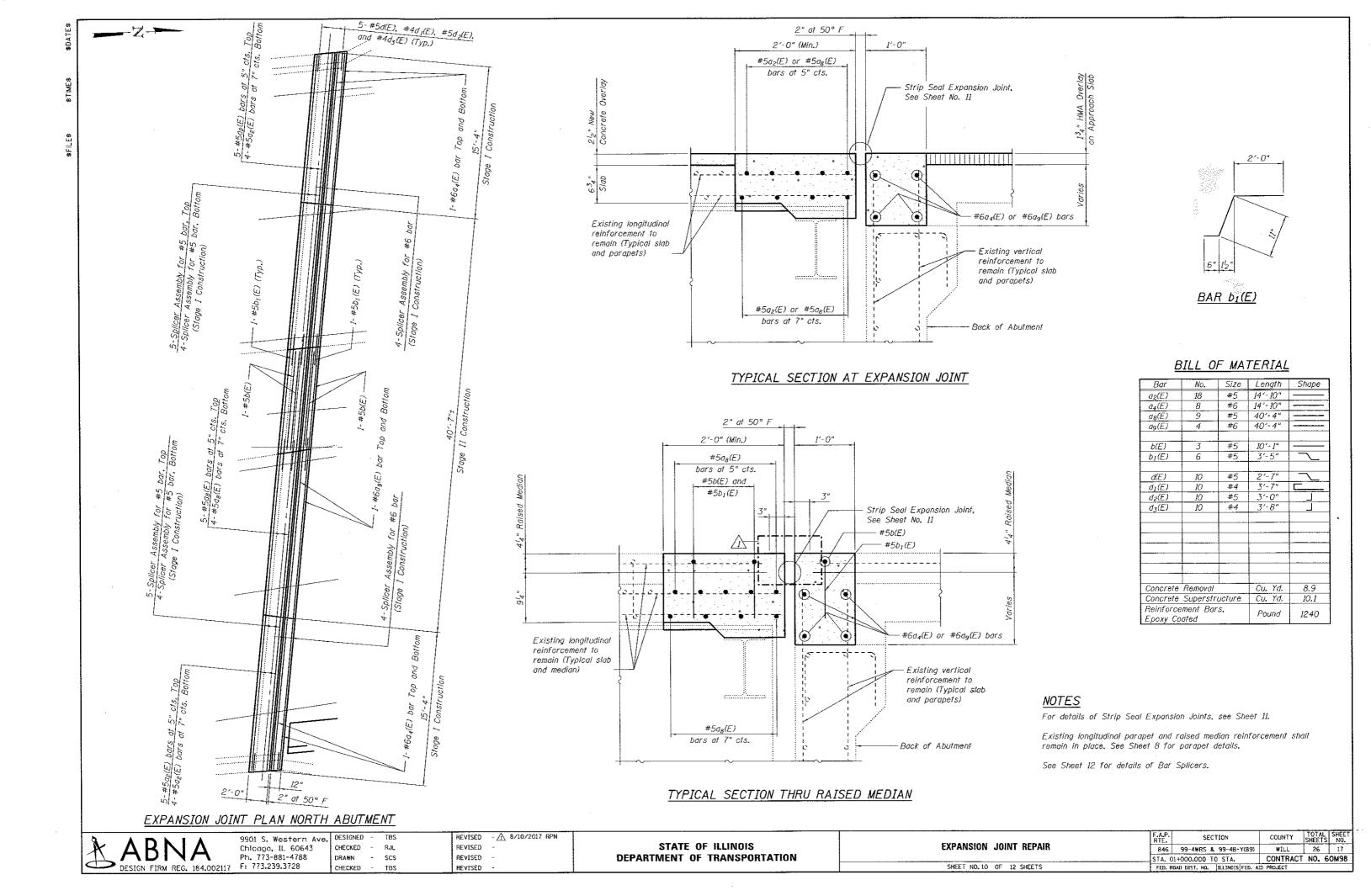
BEARING REPLACEMENT AT PIER 2 SHEET NO. 5 OF 12 SHEETS

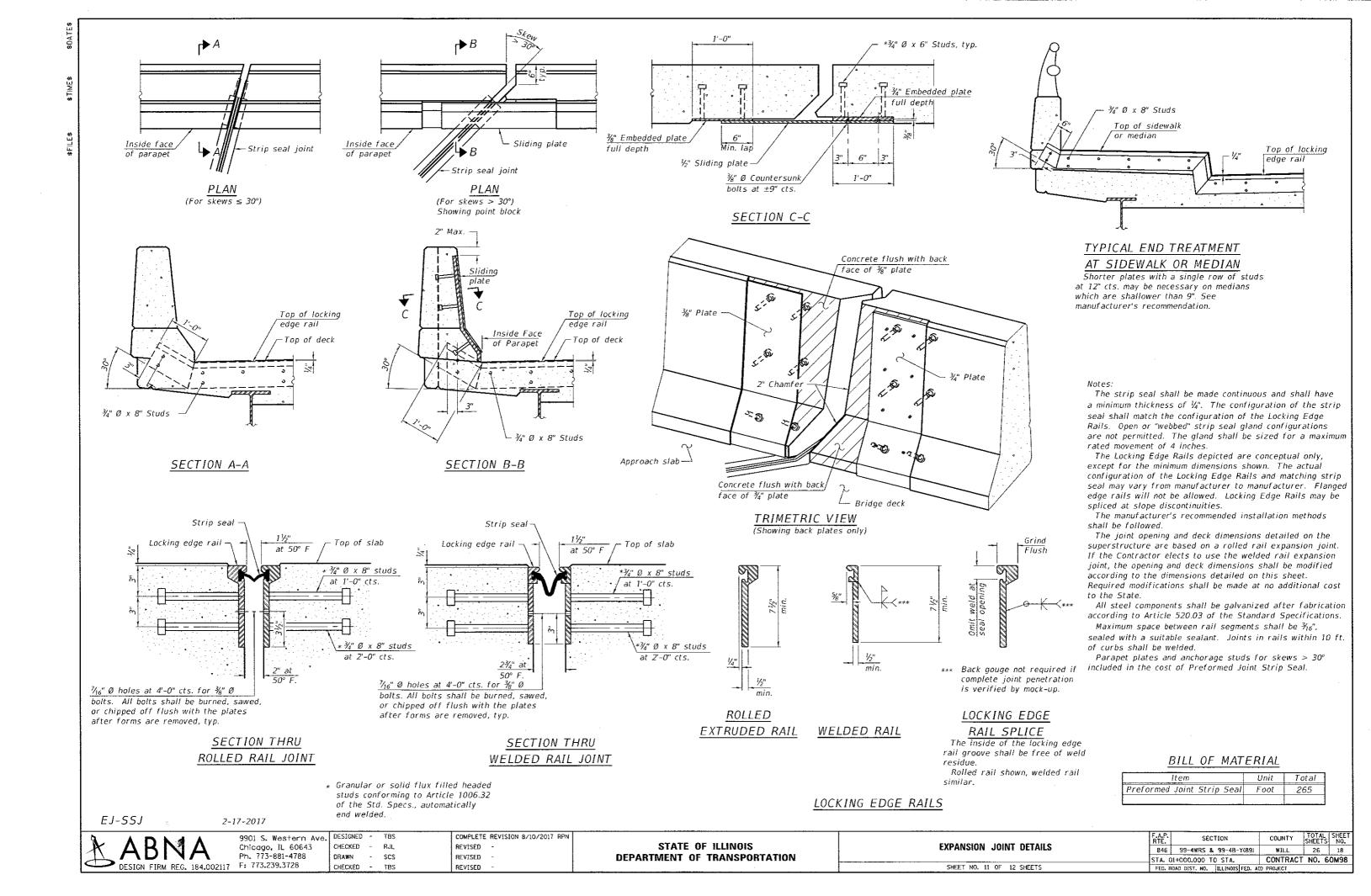










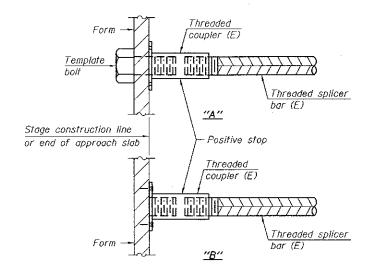


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + I_2^{l} " + thread length

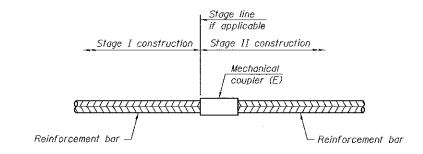
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar	No. assemblies	Minimum
Location	size	required	lap length
S. Abutment	5	18	3'-4"
S. Abutment	6	8	4'-0**
Pier 1	5	36	3′-6″
Pier 2	5	36	3'-6"
N. Abutment	5	18	3'-4"
N. Abutment	6	8	4'-0"



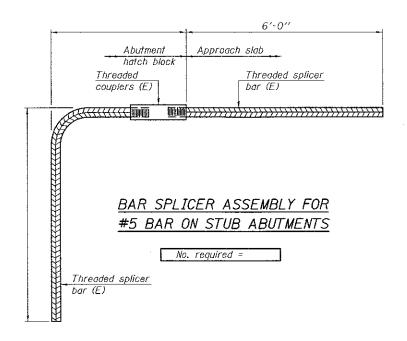
INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms. (E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications. See approved list of bar splicer assemblies and mechanical splicers for

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*	Α	BI	\overline{J}	A
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REVISED TBS CHECKED - RJL REVISED DRAWN - SCS REVISED CHECKED - TBS REVISED

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BAR SPLICER DETAILS SHEET NO. 12 OF 12 SHEETS

alternatives.

COUNTY TOTAL SHEET NO. SECTION 846 99-4WRS & 99-48-Y(89) WILL 26 19 STA. 01+000.000 TO STA. CONTRACT NO. 60M98 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT