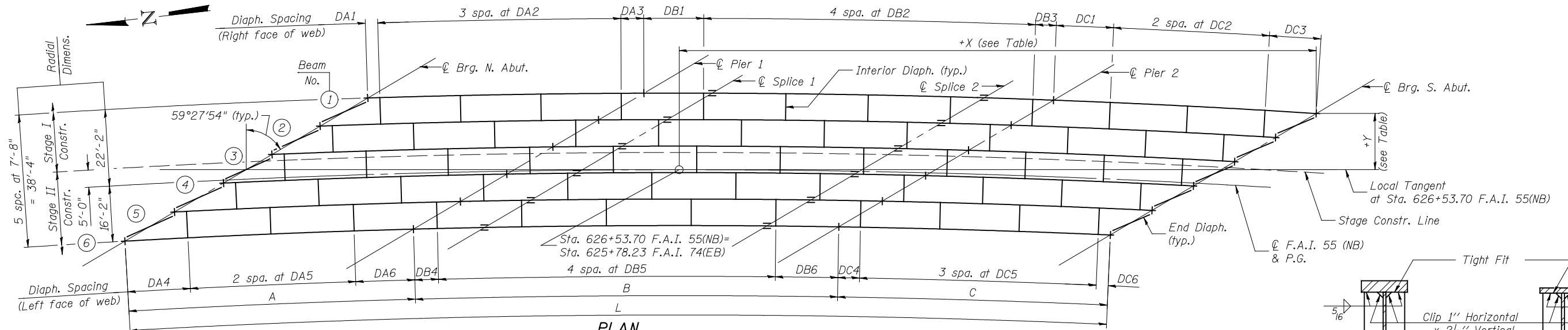


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

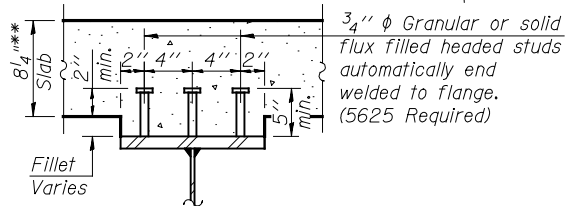


PLAN

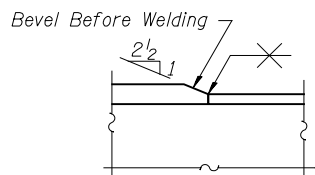
TOP OF WEB ELEVATIONS*

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
⊕ Brg. N. Abut.	811.04	810.75	810.45	810.16	809.86	809.56
⊕ Pier 1	811.36	811.07	810.78	810.49	810.19	809.90
⊕ Splice 1	811.42	811.13	810.84	810.55	810.25	809.96
⊕ Splice 2	811.73	811.44	811.15	810.87	810.58	810.29
⊕ Pier 2	811.83	811.54	811.26	810.97	810.68	810.39
⊕ Brg. S. Abut.	812.13	811.85	811.56	811.28	810.99	810.71

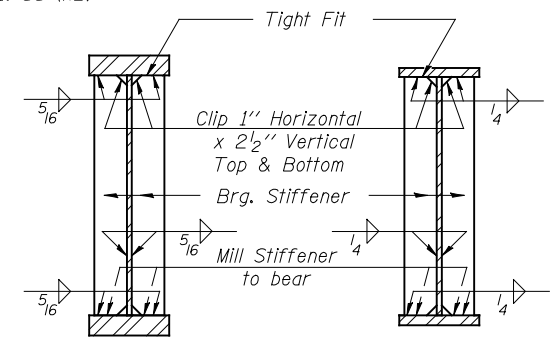
* For Fabrication only. (Theoretical elevations before dead load deflection.)



SECTION A-A



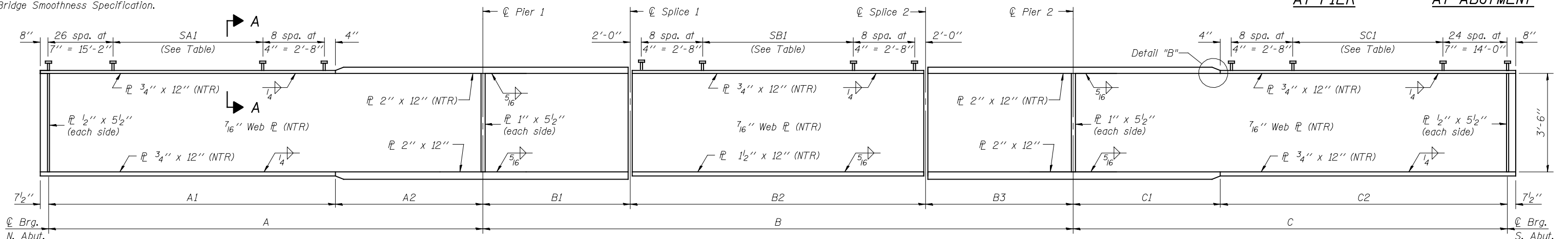
DETAIL "B"



SECTION AT PIER

SECTION AT ABUTMENT

**Before grinding according to Bridge Smoothness Specification.



GIRDER ELEVATION

BEAM DIMENSIONS (feet)

Beam	Radius	A	A1	A2	B	B1	B2	B3	C	C1	C2	L
1	2886.96	79.97	63.97	16.00	118.61	19.76	78.71	20.13	76.15	15.88	60.27	274.73
2	2879.29	80.65	64.51	16.14	119.46	19.92	79.28	20.26	76.62	15.99	60.64	276.73
3	2871.62	81.34	65.07	16.27	120.34	20.08	79.86	20.40	77.11	16.09	61.02	278.79
4	2863.96	82.06	65.66	16.40	121.24	20.24	80.46	20.54	77.60	16.20	61.40	280.90
5	2856.29	82.81	66.26	16.55	122.17	20.41	81.08	20.69	78.11	16.31	61.80	283.09
6	2848.62	83.58	66.89	16.69	123.14	20.58	81.72	20.84	78.64	16.43	62.21	285.36

DIAPHRAGM SPACING (feet)

Beam	DA1	DA2	DA3	DA4	DA5	DA6	DB1	DB2	DB3	DB4	DB5	DB6	DC1	DC2	DC3	DC4	DC5	DC6
1	3.50	23.30	6.57	-	-	-	17.26	23.84	6.00	-	-	-	16.44	22.43	14.85	-	-	-
2	3.50	23.50	6.64	17.54	23.24	16.64	17.37	24.01	6.05	6.60	23.77	17.76	16.53	22.57	14.94	6.01	22.37	3.50
3	3.50	23.71	6.71	17.70	23.44	16.77	17.47	24.19	6.10	6.67	23.95	17.88	16.62	22.72	15.04	6.07	22.52	3.50
4	3.50	23.93	6.79	17.87	23.65	16.90	17.58	24.37	6.16	6.74	24.13	18.00	16.71	22.88	15.14	6.13	22.66	3.50
5	3.50	24.15	6.86	18.04	23.86	17.05	17.70	24.56	6.22	6.82	24.31	18.13	16.81	23.03	15.24	6.18	22.81	3.50
6	-	-	-	18.22	24.09	17.19	-	-	-	6.90	24.50	18.25	-	-	-	6.24	22.97	3.50

LAYOUT DIMENSIONS (feet)

Beam	⊕ Brg. N. Abut.		⊕ Pier 1		⊕ Splice 1		⊕ Splice 2		⊕ Pier 2		⊕ Brg. S. Abut.	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
1	-90.16	20.76	-10.20	22.15	9.55	22.14	88.26	20.82	108.38	20.13	184.43	16.27
2	-103.95	12.62	-23.33	14.41	-3.42	14.49	75.86	13.50	96.11	12.90	172.65	9.32
3	-117.87	4.41	-36.56	6.60	-16.49	6.79	63.37	6.13	83.76	5.61	160.80	2.33
4	-131.92	-3.87	-49.90	-1.27	-29.66	-0.99	50.80	-1.28	71.33	-1.72	148.87	-4.71
5	-146.10	-12.24	-63.35	-9.20	-42.95	-8.82	38.13	-8.75	58.81	-9.11	136.88	-11.78
6	-160.42	-20.69	-76.92	-17.21	-56.34	-16.72	25.37	-16.28	46.21	-16.54	124.81	-18.90

SHEAR STUD SPACING

Beam	SA1	SB1	SC1
1	60 spa. at 9"±	104 spa. at 8"±	57 spa. at 9"±
2	61 spa. at 9"±	105 spa. at 8"±	58 spa. at 9"±
3	62 spa. at 9"±	106 spa. at 8"±	58 spa. at 9"±
4	63 spa. at 9"±	107 spa. at 8"±	59 spa. at 9"±
5	64 spa. at 9"±	108 spa. at 8"±	59 spa. at 9"±
6	65 spa. at 9"±	109 spa. at 8"±	60 spa. at 9"±

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: DCD DRAWN: P. Ray
CHECKED: CMV CHECKED: CMV/DCD

STRUCTURAL STEEL & FRAMING PLAN
STRUCTURE NO. 057-0250

SHEET 14 OF 27	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	(57-THB-1BR)	MCLEAN	153	64
		STA. 626+53.70	CONTRACT NO.	70520	
		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

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