project: Jeremiah Morrow Bridge
rating type: Operating Load Rating

Summary of rating in the transverse direction

Load Rating Result Transverse

Minimum Capacity in Transverse
LOCATION OF MEMBER WITH MINIMUM
Minimum Capacity
41 tons Bottom Stress Controls

Minimum Capacity in Transverse
LOCATION OF MEMBER WITH MINIMUM
Minimum Capacity
47 tons Bottom Stress Controls

Capacity in Tons of Individual Members						
Plate #	Capacity in Tons at Top Slab on Deep Section					
	service condition				strength check	
	top stress max	top stress min	bottom stress max	bottom stress min	moment max	moment min
summary	**75 tons**	**52 tons**	**100 tons**	**41 tons**	**53 tons**	**65 tons**
1	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
2	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
3	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
4	100 tons	90 tons	100 tons	100 tons	100 tons	100 tons
5	100 tons	81 tons	100 tons	100 tons	100 tons	100 tons
6	100 tons	66 tons	100 tons	100 tons	100 tons	100 tons
7	100 tons	70 tons	100 tons	100 tons	100 tons	97 tons
8	100 tons	81 tons	100 tons	100 tons	100 tons	100 tons
9	100 tons	95 tons	100 tons	100 tons	100 tons	100 tons
10	100 tons	98 tons	100 tons	100 tons	100 tons	100 tons
11	100 tons	92 tons	100 tons	100 tons	100 tons	100 tons
12	100 tons	91 tons	100 tons	100 tons	100 tons	92 tons
13	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
14	100 tons	67 tons	100 tons	50 tons	34 tons	65 tons
15	100 tons	84 tons	100 tons	54 tons	36 tons	81 tons
16	100 tons	61 tons	100 tons	100 tons	100 tons	66 tons
17	100 tons	58 tons	100 tons	100 tons	100 tons	65 tons
18	100 tons	55 tons	100 tons	100 tons	100 tons	65 tons
19	100 tons	52 tons	100 tons	100 tons	100 tons	66 tons
20	100 tons	54 tons	100 tons	100 tons	100 tons	74 tons
21	100 tons	73 tons	100 tons	100 tons	100 tons	100 tons
22	100 tons	65 tons	100 tons	100 tons	100 tons	100 tons
23	100 tons	54 tons	100 tons	100 tons	100 tons	100 tons
24	100 tons	59 tons	100 tons	54 tons	72 tons	100 tons
25	91 tons	66 tons	100 tons	49 tons	65 tons	100 tons
26	97 tons	78 tons	100 tons	54 tons	69 tons	100 tons
27	84 tons	100 tons	100 tons	48 tons	60 tons	100 tons
28	75 tons	100 tons	100 tons	42 tons	53 tons	100 tons
29	90 tons	100 tons	100 tons	50 tons	64 tons	100 tons
30	100 tons	97 tons	100 tons	62 tons	84 tons	100 tons
31	83 tons	88 tons	100 tons	41 tons	59 tons	100 tons
32	91 tons	83 tons	100 tons	42 tons	64 tons	100 tons
33	100 tons	78 tons	100 tons	95 tons	100 tons	100 tons
34	100 tons	88 tons	100 tons	85 tons	100 tons	100 tons
35	100 tons	89 tons	100 tons	90 tons	100 tons	100 tons
36	100 tons	69 tons	100 tons	100 tons	100 tons	89 tons
37	100 tons	59 tons	100 tons	100 tons	100 tons	71 tons
38	100 tons	58 tons	100 tons	100 tons	100 tons	66 tons
39	100 tons	59 tons	100 tons	100 tons	100 tons	65 tons
40	100 tons	62 tons	100 tons	100 tons	100 tons	66 tons
41	100 tons	82 tons	100 tons	55 tons	38 tons	79 tons
42	100 tons	68 tons	100 tons	49 tons	34 tons	66 tons
43	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
44	100 tons	96 tons	100 tons	100 tons	100 tons	96 tons
45	100 tons	97 tons	100 tons	100 tons	100 tons	100 tons
46	100 tons	97 tons	100 tons	100 tons	100 tons	100 tons
47	100 tons	94 tons	100 tons	100 tons	100 tons	100 tons
48	100 tons	80 tons	100 tons	100 tons	100 tons	100 tons
49	100 tons	70 tons	100 tons	100 tons	100 tons	97 tons
50	100 tons	65 tons	100 tons	100 tons	100 tons	100 tons
51	100 tons	80 tons	100 tons	100 tons	100 tons	100 tons
52	100 tons	89 tons	100 tons	100 tons	100 tons	100 tons
53	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
54	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
55	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons

Capacity in Tons of Individual Members						
Plate #	Capacity in Tons at Top Slab on Shallow Section					
	service condition				strength check	
	top stress max	top stress min	bottom stress max	bottom stress min	moment max	moment min
summary	**82 tons**	**54 tons**	**100 tons**	**47 tons**	**59 tons**	**66 tons**
1	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
2	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
3	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
4	100 tons	89 tons	100 tons	100 tons	100 tons	100 tons
5	100 tons	81 tons	100 tons	100 tons	100 tons	100 tons
6	100 tons	66 tons	100 tons	100 tons	100 tons	100 tons
7	100 tons	70 tons	100 tons	100 tons	100 tons	97 tons
8	100 tons	81 tons	100 tons	100 tons	100 tons	100 tons
9	100 tons	95 tons	100 tons	100 tons	100 tons	100 tons
10	100 tons	98 tons	100 tons	100 tons	100 tons	100 tons
11	100 tons	92 tons	100 tons	100 tons	100 tons	99 tons
12	100 tons	91 tons	100 tons	100 tons	100 tons	91 tons
13	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
14	100 tons	68 tons	100 tons	52 tons	35 tons	66 tons
15	100 tons	86 tons	100 tons	56 tons	38 tons	82 tons
16	100 tons	63 tons	100 tons	100 tons	100 tons	68 tons
17	100 tons	60 tons	100 tons	100 tons	100 tons	68 tons
18	100 tons	57 tons	100 tons	100 tons	100 tons	66 tons
19	100 tons	54 tons	100 tons	100 tons	100 tons	69 tons
20	100 tons	56 tons	100 tons	100 tons	100 tons	75 tons
21	100 tons	76 tons	100 tons	100 tons	100 tons	100 tons
22	100 tons	78 tons	100 tons	100 tons	100 tons	100 tons
23	100 tons	65 tons	100 tons	100 tons	100 tons	100 tons
24	100 tons	71 tons	100 tons	60 tons	81 tons	100 tons
25	100 tons	80 tons	100 tons	54 tons	71 tons	100 tons
26	100 tons	96 tons	100 tons	56 tons	72 tons	100 tons
27	93 tons	100 tons	100 tons	53 tons	66 tons	100 tons
28	82 tons	100 tons	100 tons	47 tons	59 tons	100 tons
29	100 tons	100 tons	100 tons	57 tons	72 tons	100 tons
30	100 tons	100 tons	100 tons	68 tons	90 tons	100 tons
31	94 tons	100 tons	100 tons	48 tons	66 tons	100 tons
32	100 tons	92 tons	100 tons	52 tons	76 tons	100 tons
33	100 tons	87 tons	100 tons	100 tons	100 tons	100 tons
34	100 tons	97 tons	100 tons	97 tons	100 tons	100 tons
35	100 tons	88 tons	100 tons	100 tons	100 tons	100 tons
36	100 tons	69 tons	100 tons	100 tons	100 tons	89 tons
37	100 tons	59 tons	100 tons	100 tons	100 tons	71 tons
38	100 tons	58 tons	100 tons	100 tons	100 tons	68 tons
39	100 tons	60 tons	100 tons	100 tons	100 tons	66 tons
40	100 tons	63 tons	100 tons	100 tons	100 tons	66 tons
41	100 tons	83 tons	100 tons	60 tons	41 tons	80 tons
42	100 tons	69 tons	100 tons	54 tons	38 tons	66 tons
43	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
44	100 tons	95 tons	100 tons	100 tons	100 tons	95 tons
45	100 tons	97 tons	100 tons	100 tons	100 tons	100 tons
46	100 tons	97 tons	100 tons	100 tons	100 tons	100 tons
47	100 tons	94 tons	100 tons	100 tons	100 tons	100 tons
48	100 tons	80 tons	100 tons	100 tons	100 tons	100 tons
49	100 tons	70 tons	100 tons	100 tons	100 tons	97 tons
50	100 tons	65 tons	100 tons	100 tons	100 tons	100 tons
51	100 tons	80 tons	100 tons	100 tons	100 tons	100 tons
52	100 tons	89 tons	100 tons	100 tons	100 tons	100 tons
53	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
54	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
55	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons