

project: Jeremiah Morrow Bridge
rating type: Inventory Load Rating

Summary of rating in the transverse direction

Load Rating Result Transverse

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

Minimum Capacity in Transverse	
LOCATION OF MEMBER WITH MINIMUM	
Minimum Capacity	
33 tons Top 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	33 tons	100 tons	30 tons	31 tons	39 tons
1	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
2	100 tons	50 tons	100 tons	100 tons	100 tons	100 tons
3	100 tons	34 tons	100 tons	100 tons	100 tons	100 tons
4	100 tons	42 tons	100 tons	95 tons	100 tons	100 tons
5	100 tons	51 tons	100 tons	96 tons	100 tons	100 tons
6	100 tons	47 tons	100 tons	100 tons	100 tons	63 tons
7	100 tons	51 tons	100 tons	100 tons	100 tons	59 tons
8	100 tons	57 tons	100 tons	100 tons	100 tons	61 tons
9	100 tons	65 tons	100 tons	100 tons	100 tons	68 tons
10	100 tons	66 tons	100 tons	100 tons	100 tons	66 tons
11	100 tons	60 tons	100 tons	100 tons	100 tons	60 tons
12	100 tons	60 tons	100 tons	100 tons	100 tons	55 tons
13	100 tons	76 tons	100 tons		69 tons	61 tons
14	100 tons	50 tons	100 tons		20 tons	39 tons
15	100 tons	62 tons	100 tons		21 tons	49 tons
16	100 tons	38 tons	100 tons	80 tons	100 tons	39 tons
17	100 tons	37 tons	100 tons	75 tons	100 tons	39 tons
18	100 tons	36 tons	100 tons	72 tons	100 tons	39 tons
19	100 tons	35 tons	100 tons	70 tons	100 tons	40 tons
20	100 tons	36 tons	100 tons	72 tons	100 tons	44 tons
21	100 tons	49 tons	100 tons	77 tons	100 tons	66 tons
22	100 tons	44 tons	100 tons	86 tons	99 tons	69 tons
23	100 tons	35 tons	100 tons	99 tons	100 tons	64 tons
24	100 tons	36 tons	100 tons	42 tons	44 tons	74 tons
25	91 tons	38 tons	100 tons	39 tons	39 tons	89 tons
26	97 tons	40 tons	100 tons	43 tons	41 tons	100 tons
27	84 tons	46 tons	100 tons	39 tons	35 tons	100 tons
28	75 tons	78 tons	100 tons	35 tons	31 tons	100 tons
29	90 tons	60 tons	100 tons	40 tons	38 tons	100 tons
30	100 tons	60 tons	100 tons	49 tons	50 tons	100 tons
31	83 tons	60 tons	100 tons	31 tons	35 tons	100 tons
32	91 tons	60 tons	100 tons	30 tons	39 tons	85 tons
33	100 tons	59 tons	100 tons	64 tons	94 tons	75 tons
34	100 tons	66 tons	100 tons	52 tons	81 tons	79 tons
35	100 tons	66 tons	100 tons	47 tons	76 tons	72 tons
36	100 tons	50 tons	100 tons	48 tons	72 tons	53 tons
37	100 tons	41 tons	100 tons	50 tons	66 tons	43 tons
38	100 tons	39 tons	100 tons	55 tons	100 tons	40 tons
39	100 tons	39 tons	100 tons	61 tons	100 tons	39 tons
40	100 tons	40 tons	100 tons	68 tons	100 tons	39 tons
41	100 tons	61 tons	100 tons		23 tons	48 tons
42	100 tons	51 tons	100 tons		20 tons	39 tons
43	100 tons	74 tons	100 tons		80 tons	60 tons
44	100 tons	65 tons	100 tons	97 tons	100 tons	58 tons
45	100 tons	65 tons	100 tons	100 tons	100 tons	63 tons
46	100 tons	64 tons	100 tons	100 tons	100 tons	66 tons
47	100 tons	64 tons	100 tons	100 tons	100 tons	68 tons
48	100 tons	56 tons	100 tons	100 tons	100 tons	61 tons
49	100 tons	50 tons	100 tons	100 tons	100 tons	58 tons
50	100 tons	47 tons	100 tons	100 tons	100 tons	63 tons
51	100 tons	50 tons	100 tons	100 tons	100 tons	100 tons
52	100 tons	41 tons	100 tons	95 tons	100 tons	100 tons
53	100 tons	33 tons	100 tons	100 tons	100 tons	100 tons
54	100 tons	49 tons	100 tons	100 tons	100 tons	100 tons
55	100 tons	62 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	33 tons	100 tons	37 tons	35 tons	39 tons
1	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons
2	100 tons	50 tons	100 tons	100 tons	100 tons	100 tons
3	100 tons	34 tons	100 tons	100 tons	100 tons	100 tons
4	100 tons	42 tons	100 tons	95 tons	100 tons	100 tons
5	100 tons	51 tons	100 tons	95 tons	100 tons	100 tons
6	100 tons	47 tons	100 tons	100 tons	100 tons	63 tons
7	100 tons	50 tons	100 tons	100 tons	100 tons	58 tons
8	100 tons	57 tons	100 tons	100 tons	100 tons	61 tons
9	100 tons	65 tons	100 tons	100 tons	100 tons	68 tons
10	100 tons	65 tons	100 tons	100 tons	100 tons	66 tons
11	100 tons	59 tons	100 tons	100 tons	100 tons	59 tons
12	100 tons	60 tons	100 tons	100 tons	100 tons	55 tons
13	100 tons	76 tons	100 tons		76 tons	61 tons
14	100 tons	51 tons	100 tons		21 tons	39 tons
15	100 tons	64 tons	100 tons		23 tons	49 tons
16	100 tons	40 tons	100 tons	82 tons	100 tons	40 tons
17	100 tons	39 tons	100 tons	76 tons	100 tons	40 tons
18	100 tons	37 tons	100 tons	73 tons	100 tons	40 tons
19	100 tons	37 tons	100 tons	71 tons	100 tons	40 tons
20	100 tons	38 tons	100 tons	73 tons	100 tons	45 tons
21	100 tons	52 tons	100 tons	79 tons	100 tons	68 tons
22	100 tons	53 tons	100 tons	87 tons	100 tons	81 tons
23	100 tons	42 tons	100 tons	100 tons	100 tons	76 tons
24	100 tons	44 tons	100 tons	47 tons	49 tons	90 tons
25	100 tons	46 tons	100 tons	43 tons	43 tons	100 tons
26	100 tons	49 tons	100 tons	45 tons	43 tons	100 tons
27	93 tons	55 tons	100 tons	43 tons	39 tons	100 tons
28	82 tons	100 tons	100 tons	38 tons	35 tons	100 tons
29	100 tons	69 tons	100 tons	46 tons	43 tons	100 tons
30	100 tons	67 tons	100 tons	53 tons	54 tons	100 tons
31	94 tons	66 tons	100 tons	37 tons	40 tons	100 tons
32	100 tons	65 tons	100 tons	38 tons	45 tons	99 tons
33	100 tons	64 tons	100 tons	78 tons	100 tons	86 tons
34	100 tons	72 tons	100 tons	62 tons	90 tons	90 tons
35	100 tons	64 tons	100 tons	57 tons	85 tons	72 tons
36	100 tons	49 tons	100 tons	57 tons	100 tons	54 tons
37	100 tons	41 tons	100 tons	59 tons	100 tons	43 tons
38	100 tons	39 tons	100 tons	64 tons	100 tons	40 tons
39	100 tons	39 tons	100 tons	70 tons	100 tons	39 tons
40	100 tons	40 tons	100 tons	78 tons	100 tons	40 tons
41	100 tons	62 tons	100 tons		24 tons	48 tons
42	100 tons	52 tons	100 tons		23 tons	40 tons
43	100 tons	75 tons	100 tons		91 tons	60 tons
44	100 tons	64 tons	100 tons	100 tons	100 tons	56 tons
45	100 tons	64 tons	100 tons	100 tons	100 tons	61 tons
46	100 tons	64 tons	100 tons	100 tons	100 tons	66 tons
47	100 tons	64 tons	100 tons	100 tons	100 tons	68 tons
48	100 tons	56 tons	100 tons	100 tons	100 tons	61 tons
49	100 tons	50 tons	100 tons	100 tons	100 tons	58 tons
50	100 tons	47 tons	100 tons	100 tons	100 tons	63 tons
51	100 tons	50 tons	100 tons	100 tons	100 tons	100 tons
52	100 tons	41 tons	100 tons	95 tons	100 tons	100 tons
53	100 tons	33 tons	100 tons	100 tons	100 tons	100 tons
54	100 tons	48 tons	100 tons	100 tons	100 tons	100 tons
55	100 tons	61 tons	100 tons	100 tons	100 tons	100 tons