

**project:** Jeremiah Morrow Bridge  
**rating type:** Permit Truck without adjacent normal traffic

**Summary of rating in the transverse direction**

Load Rating Result Transverse

Minimum Rating Factor in Transverse	
LOCATION OF MEMBER WITH MINIMUM	
Rating Factor	1.45 Top Stress Controls

Minimum Rating Factor in Transverse	
LOCATION OF MEMBER WITH MINIMUM	
Rating Factor	1.92 Top Stress Controls

Rating Factor of Individual Members						
Plate #	Rating Factor 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	4.00	1.45	4.00	1.67	2.25	2.90
1	4.00	4.00	4.00	4.00	4.00	4.00
2	4.00	4.00	4.00	4.00	4.00	4.00
3	4.00	4.00	4.00	4.00	4.00	4.00
4	4.00	4.00	4.00	4.00	4.00	4.00
5	4.00	3.56	4.00	4.00	4.00	4.00
6	4.00	3.81	4.00	4.00	4.00	4.00
7	4.00	3.79	4.00	4.00	4.00	4.00
8	4.00	3.37	4.00	4.00	4.00	4.00
9	4.00	3.11	4.00	4.00	4.00	3.70
10	4.00	3.14	4.00	4.00	4.00	3.55
11	4.00	3.23	4.00	4.00	4.00	3.50
12	4.00	3.50	4.00	4.00	4.00	3.55
13	4.00	4.00	4.00	4.00	4.00	3.85
14	4.00	3.33	4.00	4.00	4.00	3.20
15	4.00	3.91	4.00	4.00	4.00	3.80
16	4.00	2.95	4.00	4.00	4.00	3.20
17	4.00	3.05	4.00	4.00	4.00	3.45
18	4.00	3.08	4.00	4.00	4.00	3.65
19	4.00	2.99	4.00	4.00	4.00	3.80
20	4.00	2.74	4.00	4.00	4.00	3.75
21	4.00	2.29	4.00	4.00	4.00	3.45
22	4.00	1.70	4.00	4.00	4.00	3.00
23	4.00	1.45	4.00	4.00	4.00	2.90
24	4.00	1.64	4.00	4.00	4.00	3.45
25	4.00	1.92	4.00	4.00	4.00	4.00
26	4.00	2.44	4.00	4.00	4.00	4.00
27	4.00	3.69	4.00	4.00	4.00	4.00
28	4.00	4.00	4.00	4.00	4.00	4.00
29	4.00	4.00	4.00	4.00	4.00	4.00
30	4.00	4.00	4.00	4.00	4.00	4.00
31	4.00	4.00	4.00	4.00	4.00	4.00
32	4.00	4.00	4.00	2.76	4.00	4.00
33	4.00	4.00	4.00	1.86	3.05	4.00
34	4.00	4.00	4.00	1.67	2.70	4.00
35	4.00	4.00	4.00	1.82	2.60	4.00
36	4.00	4.00	4.00	2.05	2.45	4.00
37	4.00	4.00	4.00	2.34	2.25	4.00
38	4.00	4.00	4.00	2.66	2.45	4.00
39	4.00	4.00	4.00	3.01	2.55	4.00
40	4.00	4.00	4.00	3.38	4.00	4.00
41	4.00	4.00	4.00	1.15	0.80	4.00
42	4.00	4.00	4.00	1.01	0.70	4.00
43	4.00	4.00	4.00	4.00	4.00	4.00
44	4.00	4.00	4.00	4.00	4.00	4.00
45	4.00	4.00	4.00	4.00	4.00	4.00
46	4.00	4.00	4.00	4.00	4.00	4.00
47	4.00	4.00	4.00	4.00	4.00	4.00
48	4.00	4.00	4.00	4.00	4.00	4.00
49	4.00	4.00	4.00	4.00	4.00	4.00
50	4.00	4.00	4.00	4.00	4.00	4.00
51	4.00	4.00	4.00	4.00	4.00	4.00
52	4.00	4.00	4.00	4.00	4.00	4.00
53	4.00	4.00	4.00	4.00	4.00	4.00
54	4.00	4.00	4.00	4.00	4.00	4.00
55	4.00	4.00	4.00	4.00	4.00	4.00

Rating Factor of Individual Members						
Plate #	Rating Factor 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	4.00	1.92	4.00	2.21	3.25	3.50
1	4.00	4.00	4.00	4.00	4.00	4.00
2	4.00	4.00	4.00	4.00	4.00	4.00
3	4.00	4.00	4.00	4.00	4.00	4.00
4	4.00	4.00	4.00	4.00	4.00	4.00
5	4.00	3.56	4.00	4.00	4.00	4.00
6	4.00	3.81	4.00	4.00	4.00	4.00
7	4.00	3.79	4.00	4.00	4.00	4.00
8	4.00	3.37	4.00	4.00	4.00	4.00
9	4.00	3.11	4.00	4.00	4.00	3.70
10	4.00	3.14	4.00	4.00	4.00	3.55
11	4.00	3.24	4.00	4.00	4.00	3.50
12	4.00	3.50	4.00	4.00	4.00	3.55
13	4.00	4.00	4.00	4.00	4.00	3.85
14	4.00	3.73	4.00	4.00	4.00	3.60
15	4.00	4.00	4.00	4.00	4.00	4.00
16	4.00	3.46	4.00	4.00	4.00	3.70
17	4.00	3.65	4.00	4.00	4.00	4.00
18	4.00	3.77	4.00	4.00	4.00	4.00
19	4.00	3.74	4.00	4.00	4.00	4.00
20	4.00	3.50	4.00	4.00	4.00	4.00
21	4.00	2.98	4.00	4.00	4.00	4.00
22	4.00	2.25	4.00	4.00	4.00	3.90
23	4.00	1.92	4.00	4.00	4.00	3.80
24	4.00	2.18	4.00	4.00	4.00	4.00
25	4.00	2.55	4.00	4.00	4.00	4.00
26	4.00	3.28	4.00	4.00	4.00	4.00
27	4.00	4.00	4.00	4.00	4.00	4.00
28	4.00	4.00	4.00	4.00	4.00	4.00
29	4.00	4.00	4.00	4.00	4.00	4.00
30	4.00	4.00	4.00	4.00	4.00	4.00
31	4.00	4.00	4.00	4.00	4.00	4.00
32	4.00	4.00	4.00	3.50	4.00	4.00
33	4.00	4.00	4.00	2.43	3.85	4.00
34	4.00	4.00	4.00	2.21	3.40	4.00
35	4.00	4.00	4.00	2.37	3.25	4.00
36	4.00	4.00	4.00	2.64	4.00	4.00
37	4.00	4.00	4.00	2.98	4.00	4.00
38	4.00	4.00	4.00	3.37	4.00	4.00
39	4.00	4.00	4.00	3.80	4.00	4.00
40	4.00	4.00	4.00	4.00	4.00	4.00
41	4.00	4.00	4.00	1.42	0.95	4.00
42	4.00	4.00	4.00	1.26	0.85	4.00
43	4.00	4.00	4.00	4.00	4.00	4.00
44	4.00	4.00	4.00	4.00	4.00	4.00
45	4.00	4.00	4.00	4.00	4.00	4.00
46	4.00	4.00	4.00	4.00	4.00	4.00
47	4.00	4.00	4.00	4.00	4.00	4.00
48	4.00	4.00	4.00	4.00	4.00	4.00
49	4.00	4.00	4.00	4.00	4.00	4.00
50	4.00	4.00	4.00	4.00	4.00	4.00
51	4.00	4.00	4.00	4.00	4.00	4.00
52	4.00	4.00	4.00	4.00	4.00	4.00
53	4.00	4.00	4.00	4.00	4.00	4.00
54	4.00	4.00	4.00	4.00	4.00	4.00
55	4.00	4.00	4.00	4.00	4.00	4.00