

ARTBA 2020 Bridge Report

2019 State Rankings, by Number of Deficient Bridges

2019 Rank	2018 Rank	2017 Rank	State	2019				2018	% change in number of structurally deficient bridges 2018-2019
				number of bridges	number of structurally deficient bridges	structurally deficient bridges as % of total inventory	structurally deficient bridge area as % of total area	number of structurally deficient bridges	
1	1	1	Iowa	24,043	4,575	19.0%	9.8%	4,675	-2.1%
2	2	2	Pennsylvania	22,911	3,501	15.3%	8.2%	3,770	-7.1%
3	4	4	Illinois	26,825	2,407	9.0%	12.3%	2,273	5.9%
4	3	3	Oklahoma	23,138	2,352	10.2%	5.3%	2,540	-7.4%
5	5	5	Missouri	24,494	2,147	8.8%	9.0%	2,116	1.5%
6	7	13	California	25,771	1,797	7.0%	7.2%	1,812	-0.8%
7	8	7	New York	17,540	1,745	9.9%	10.0%	1,757	-0.7%
8	6	6	North Carolina	18,407	1,714	9.3%	8.4%	1,871	-8.4%
9	9	8	Louisiana	12,884	1,701	13.2%	9.0%	1,678	1.4%
10	12	15	West Virginia	7,291	1,531	21.0%	16.1%	1,444	6.0%
11	10	11	Mississippi	17,019	1,484	8.7%	4.0%	1,603	-7.4%
12	11	9	Ohio	27,167	1,457	5.4%	3.6%	1,518	-4.0%
13	13	10	Nebraska	15,332	1,356	8.8%	5.3%	1,358	-0.1%
14	14	12	Kansas	24,934	1,280	5.1%	2.8%	1,288	-0.6%
15	16	16	Michigan	11,244	1,217	10.8%	7.6%	1,196	1.8%
16	15	14	Indiana	19,284	1,166	6.0%	3.9%	1,203	-3.1%
17	18	18	Kentucky	14,394	1,042	7.2%	5.0%	1,016	2.6%
18	17	17	Wisconsin	14,249	1,026	7.2%	4.0%	1,054	-2.7%
19	19	19	South Dakota	5,821	991	17.0%	9.4%	973	1.8%
20	20	20	Tennessee	20,226	887	4.4%	4.2%	871	1.8%
21	21	21	South Carolina	9,419	795	8.4%	6.7%	795	0.0%
22	22	25	Texas	54,432	725	1.3%	1.1%	695	4.3%
23	23	23	Alabama	16,161	654	4.0%	2.5%	689	-5.1%
24	24	24	Minnesota	13,346	631	4.7%	3.3%	668	-5.5%
25	26	26	Arkansas	12,902	626	4.9%	4.5%	588	6.5%
26	25	22	Virginia	13,933	607	4.4%	3.7%	646	-6.0%
27	27	27	New Jersey	6,786	529	7.8%	7.4%	544	-2.8%
28	29	30	Massachusetts	5,233	469	9.0%	11.5%	481	-2.5%
29	30	31	Colorado	8,785	466	5.3%	5.2%	473	-1.5%
30	31	29	North Dakota	4,329	462	10.7%	4.6%	469	-1.5%
31	28	28	Georgia	14,940	441	3.0%	2.0%	494	-10.7%
32	32	33	Oregon	8,211	426	5.2%	3.3%	422	0.9%
33	34	34	Washington	8,300	384	4.6%	6.1%	382	0.5%
34	33	32	Montana	5,278	380	7.2%	7.8%	390	-2.6%
35	35	41	Florida	12,518	361	2.9%	1.8%	328	10.1%
36	36	37	Maine	2,461	314	12.8%	7.4%	325	-3.4%
37	37	35	Idaho	4,493	295	6.6%	5.0%	315	-6.3%
38	40	40	Puerto Rico	2,315	284	12.3%	9.6%	273	4.0%
39	38	36	Connecticut	4,336	275	6.3%	10.2%	308	-10.7%
40	39	39	Maryland	5,402	273	5.1%	3.4%	274	-0.4%
41	42	42	New Mexico	4,014	220	5.5%	4.7%	232	-5.2%
42	41	38	Wyoming	3,114	215	6.9%	7.4%	257	-16.3%
43	43	43	New Hampshire	2,502	213	8.5%	6.9%	224	-4.9%
44	44	44	Rhode Island	779	174	22.3%	23.0%	180	-3.3%
45	45	46	Alaska	1,595	145	9.1%	7.7%	155	-6.5%
46	46	45	Arizona	8,320	137	1.6%	1.4%	150	-8.7%
47	47	49	Hawaii	1,138	80	7.0%	2.4%	78	2.6%
48	48	48	Vermont	2,818	68	2.4%	4.0%	66	3.0%
49	48	47	Utah	3,063	66	2.2%	0.8%	66	0.0%
50	50	50	Delaware	879	28	3.2%	5.4%	34	-17.6%
51	51	51	Nevada	2,029	26	1.3%	1.0%	27	-3.7%
52	52	52	District of Columbia	244	10	4.1%	9.7%	8	25.0%
			TOTAL	617,049	46,155	7.5%		47,052	-1.9%



Data is from the Federal Highway Administration (FHWA) National Bridge Inventory (NBI), released April 2, 2020.

Effective January 1, 2018, FHWA changed the definition of structurally deficient as part of the final rule on highway and bridge performance measures, published May 20, 2017 pursuant to the 2012 surface transportation law Moving Ahead for Progress in the 21st Century Act (MAP-21). Two measures that were previously used to classify bridges as structurally deficient are no longer used. This includes bridges where the overall structural evaluation was rated in poor or worse condition, or where the adequacy of waterway openings was insufficient. The new definition limits the classification to bridges where one of the key structural elements—the deck, superstructure, substructure or culverts, are rated in poor or worse condition. During inspection, the conditions of a variety of bridge elements are rated on a scale of 0 (failed condition) to 9 (excellent condition). A rating of 4 is considered “poor” condition.

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				number of bridges	number of structurally deficient bridges	structurally deficient bridges as % of total inventory	structurally deficient bridge area as % of total area	structurally deficient bridges as % of total inventory
1	1	1	Rhode Island	779	174	22.3%	23.0%	23.1%
2	2	3	West Virginia	7,291	1,531	21.0%	16.1%	19.9%
3	3	2	Iowa	24,043	4,575	19.0%	9.8%	19.4%
4	4	5	South Dakota	5,821	991	17.0%	9.4%	16.7%
5	5	4	Pennsylvania	22,911	3,501	15.3%	8.2%	16.6%
6	7	7	Louisiana	12,884	1,701	13.2%	9.0%	13.0%
7	6	6	Maine	2,461	314	12.8%	7.4%	13.1%
8	8	8	Puerto Rico	2,315	284	12.3%	9.6%	11.7%
9	11	12	Michigan	11,244	1,217	10.8%	7.6%	10.7%
10	10	10	North Dakota	4,329	462	10.7%	4.6%	10.8%
11	9	9	Oklahoma	23,138	2,352	10.2%	5.3%	11.0%
12	13	13	New York	17,540	1,745	9.9%	10.0%	10.0%
13	12	14	North Carolina	18,407	1,714	9.3%	8.4%	10.2%
14	14	11	Alaska	1,595	145	9.1%	7.7%	9.7%
15	20	22	Illinois	26,825	2,407	9.0%	12.3%	8.5%
16	16	17	Massachusetts	5,233	469	9.0%	11.5%	9.2%
17	18	15	Nebraska	15,332	1,356	8.8%	5.3%	8.8%
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21	21	21	South Carolina	9,419	795	8.4%	6.7%	8.5%
22	23	23	New Jersey	6,786	529	7.8%	7.4%	8.1%
23	27	28	Kentucky	14,394	1,042	7.2%	5.0%	7.1%
24	25	25	Wisconsin	14,249	1,026	7.2%	4.0%	7.4%
25	24	24	Montana	5,278	380	7.2%	7.8%	7.4%
26	30	32	Hawaii	1,138	80	7.0%	2.4%	6.9%
27	28	35	California	25,771	1,797	7.0%	7.2%	7.0%
28	22	16	Wyoming	3,114	215	6.9%	7.4%	8.2%
29	29	27	Idaho	4,493	295	6.6%	5.0%	7.0%
30	26	26	Connecticut	4,336	275	6.3%	10.2%	7.2%
31	31	29	Indiana	19,284	1,166	6.0%	3.9%	6.2%
32	32	30	New Mexico	4,014	220	5.5%	4.7%	5.8%
33	33	31	Ohio	27,167	1,457	5.4%	3.6%	5.6%
34	34	38	Colorado	8,785	466	5.3%	5.2%	5.4%
35	36	39	Oregon	8,211	426	5.2%	3.3%	5.2%
36	35	33	Kansas	24,934	1,280	5.1%	2.8%	5.2%
37	37	36	Maryland	5,402	273	5.1%	3.4%	5.1%
38	41	40	Arkansas	12,902	626	4.9%	4.5%	4.6%
39	38	37	Minnesota	13,346	631	4.7%	3.3%	5.0%
40	40	42	Washington	8,300	384	4.6%	6.1%	4.6%
41	42	44	Tennessee	20,226	887	4.4%	4.2%	4.3%
42	39	34	Virginia	13,933	607	4.4%	3.7%	4.6%
43	46	46	District of Columbia	244	10	4.1%	9.7%	3.3%
44	43	41	Alabama	16,161	654	4.0%	2.5%	4.3%
45	44	43	Delaware	879	28	3.2%	5.4%	3.9%
46	45	45	Georgia	14,940	441	3.0%	2.0%	3.3%
47	47	50	Florida	12,518	361	2.9%	1.8%	2.6%
48	48	47	Vermont	2,818	68	2.4%	4.0%	2.4%
49	49	48	Utah	3,063	66	2.2%	0.8%	2.2%
50	50	49	Arizona	8,320	137	1.6%	1.4%	1.8%
51	52	52	Texas	54,432	725	1.3%	1.1%	1.3%
52	51	51	Nevada	2,029	26	1.3%	1.0%	1.4%
			TOTAL	617,049	46,155	7.5%		7.6%

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