

National Bridge Inventory: District of Columbia

- The state has identified needed repairs on 127 bridges.
- This compares to 126 bridges that needed work in 2020.
- Over the life of the IIJA, District of Columbia will receive a total of \$225.0 million in bridge formula funds, which will help make needed repairs.
- District of Columbia currently has access to \$135.0 million of that total, and has committed \$58.3 million towards 7 projects as of June 2024.
- Of the 257 bridges in the district, 5, or 1.9 percent, are classified as structurally deficient. This means one of the key elements is in poor or worse condition.
- This is down from 8 bridges classified as structurally deficient in 2020.
- The deck area of structurally deficient bridges accounts for 5.7 percent of total deck area on all structures.

47

Compared to 47 in 2023

in the nation in % of structurally deficient bridges

1. Iowa	19.0%
46. Florida	3.0%
47. District of Columbia	2.0%
48. Georgia	2.0%

52

Compared to 52 in 2023

in the nation in # of structurally deficient bridges

1. Iowa	4,544
51. Delaware	11
52. District of Columbia	5

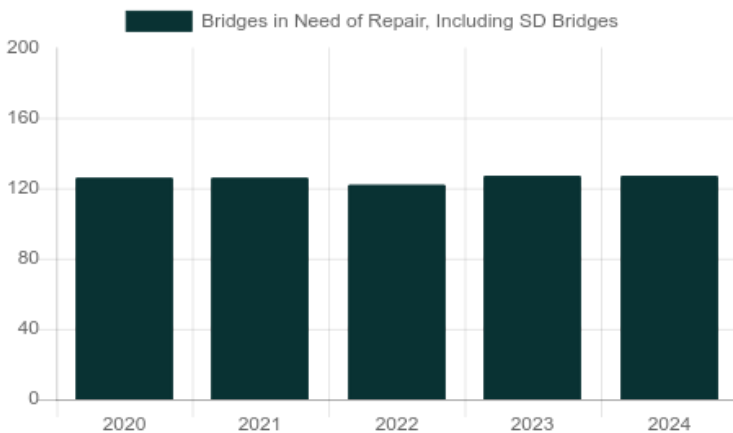
21

Compared to 23 in 2023

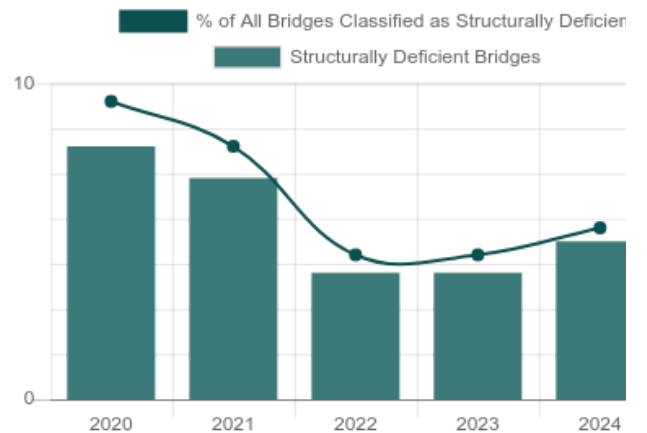
in the nation in % of structurally deficient bridge deck area

1. Rhode Island	14.0%
20. Louisiana	6.0%
21. District of Columbia	6.0%
22. Montana	6.0%

Number of Bridges in Need of Repair, Including Structurally Deficient Bridges



Number of Structurally Deficient Bridges



Top Most Traveled Structurally Deficient Bridges in District of Columbia

County	Year Built	Daily Crossings	Type of Bridge	Location
District of Columbia	1964	103,600	Urban Interstate	T. Roosevelt Brid over Pot River & Potomac
District of Columbia	1907	14,300	Urban other principal arterial	H Street over Washington Terminal Yard
District of Columbia	1955	5,000	Urban other principal arterial	Ramp from Benning Rd over SB Kenilworth Ave
District of Columbia	1950	2,100	Urban local road	Joyce Road over Luzon Branch
District of Columbia	1958	50	Urban local road	Edgewater Stable A over Rock Creek

Bridge Inventory: District of Columbia

Type of Bridge	Number of Bridges	Area of All Bridges (sq. meters)	Daily Crossings on All Bridges	Number of Structurally Deficient Bridges	Area of Structurally Deficient Bridges (sq. meters)	Daily Crossings on Structurally Deficient Bridges
Rural Interstate	0	0	0	0	0	0
Rural arterial	0	0	0	0	0	0
Rural minor arterial	0	0	0	0	0	0
Rural major collector	0	0	0	0	0	0
Rural minor collector	0	0	0	0	0	0
Rural local road	0	0	0	0	0	0
Urban Interstate	72	201,684	4,218,570	1	16,006	103,600
Urban freeway/expressway	19	47,866	998,400	0	0	0
Urban other principal arterial	48	160,068	1,753,679	2	16,788	19,300
Urban minor arterial	51	90,259	830,517	0	0	0
Urban collector	26	30,300	234,670	0	0	0
Urban local road	41	46,385	321,459	2	322	2,150
Total	257	576,563	8,357,295	5	33,115	125,050

Proposed Bridge Work

Type of Work	Number of Bridges	Cost to Repair (in millions)	Daily Crossings	Area of Bridges (sq. meters)
Bridge replacement	1	\$57	14,300	16,526
Widening & rehabilitation	0	\$0	0	0
Rehabilitation	25	\$101	837,619	40,397
Deck rehabilitation/replacement	10	\$27	214,483	11,019
Other structural work	91	\$380	2,922,120	154,619
Total	127	\$565	3,988,522	222,561

About the data:

Data and cost estimates are from the Federal Highway Administration (FHWA) National Bridge Inventory (NBI), downloaded on August 20, 2024. Note that specific conditions on bridges may have changed as a result of recent work or updated inspections.

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 federal aid highway bill 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.

Cost estimates have been derived by ARTBA, based on 2023 average bridge replacement costs for structures on and off the National Highway System, [published by FHWA](#). Bridge rehabilitation costs are estimated to be 68 percent of replacement costs. A bridge is considered to need repair if the structure has identified repairs as part of the NBI, a repair cost estimate is supplied by the bridge owner or the bridge is classified as structurally deficient. Please note that for a few states, the number of bridges needing to be repaired can vary significantly from year to year, and reflects the data entered by the state.

Bridges are classified by FHWA into types based on the functional classification of the roadway on the bridge. Interstates comprise routes officially designated by the Secretary of Transportation. Other principal arterials serve major centers of urban areas or provide mobility through rural areas. Freeways and expressways have directional lanes generally separated by a physical barrier, and access/egress points generally limited to on- and off-ramps. Minor arterials serve smaller areas and are used for trips of moderate length. Collectors funnel traffic from local roads to the arterial network; major collectors have higher speed limits and traffic volumes and are longer in length and spaced at greater intervals, while minor collectors are shorter and provide service to smaller communities. Local roads do not carry through traffic and are intended for short distance travel.
