

Report on South Dakota Bridges



(US16B over I 90 – Rapid City)

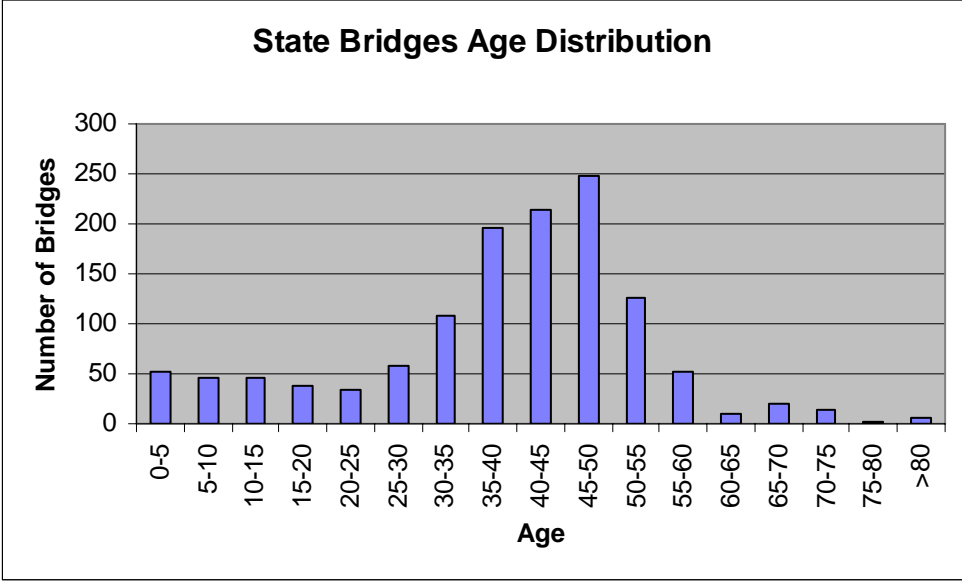
As of NBI Federal Tape Submittal for 2009 (March)

There are 1807 South Dakota DOT owned bridge length (> 20 ft.) structures. Local government agencies (counties, cities, other governmental agencies, townships) own 4004 structures. Of the 1807 state owned structures, there are 1275 bridges and 532 culverts. Of the 4004 LGA structures, there are 3268 bridges and 736 culverts.

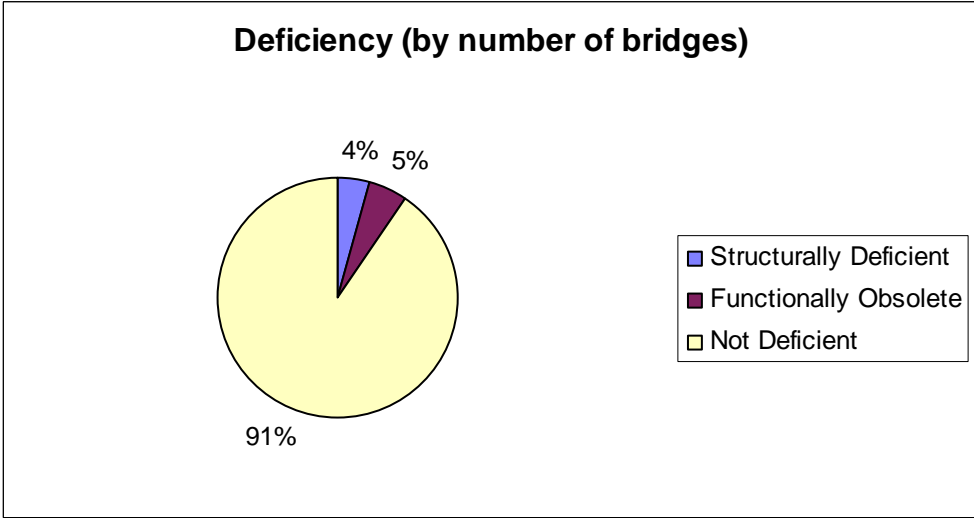
The 1275 state owned bridges accounted for 10,496,765 sq ft of deck area and the 3268 locally owned bridges accounted for 6,935,136 sq ft of deck area. The average state owned structure was built in 1970 and is approximately 40 ft wide by 210 ft long.

There are 10 major Missouri River crossings in South Dakota. Two are maintained by Nebraska DOT, and eight of these are on the South Dakota inventory, one of which, the Yankton Meridian Bridge is currently closed to traffic. The seven open structures on the South Dakota inventory total 904,621 sq ft of deck area. This is approximately 8.6% of the state owned bridge deck area. Five of these are located in the Mitchell Region and the other three are located in the Pierre Region. The Nebraska DOR maintains the SD 37 crossing at Running Water and the US 81 crossing at Yankton on their inventory.

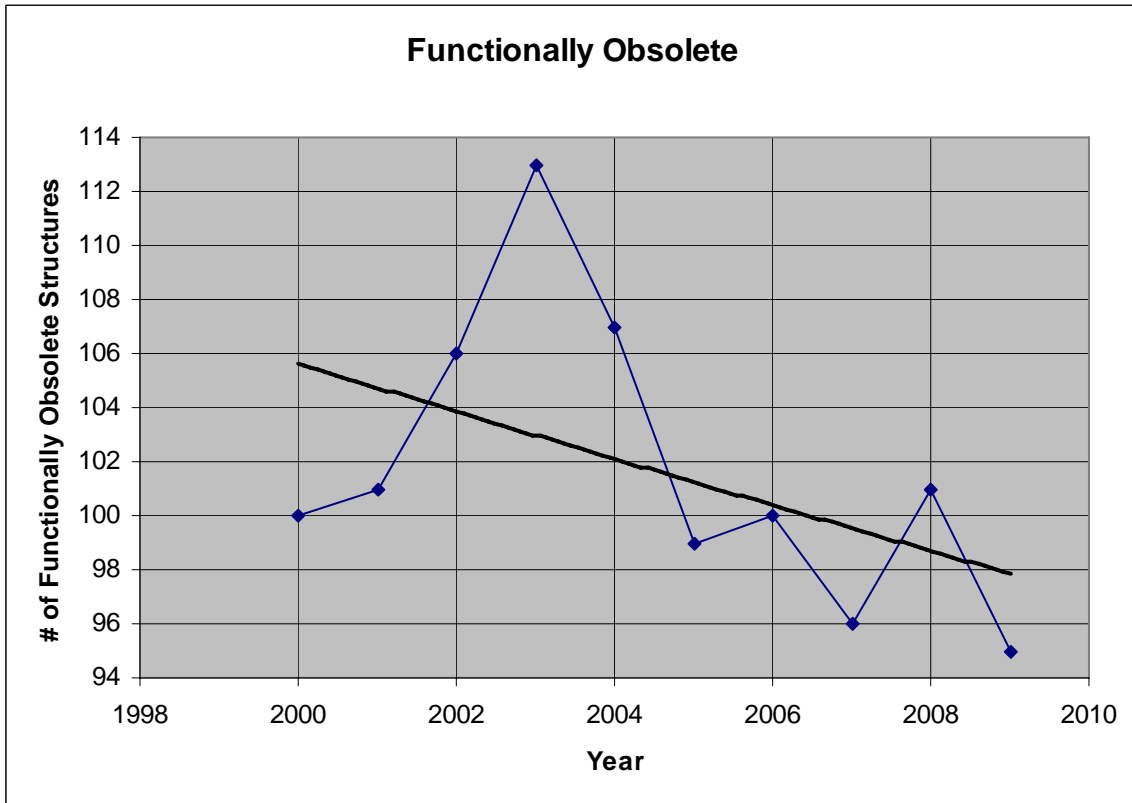
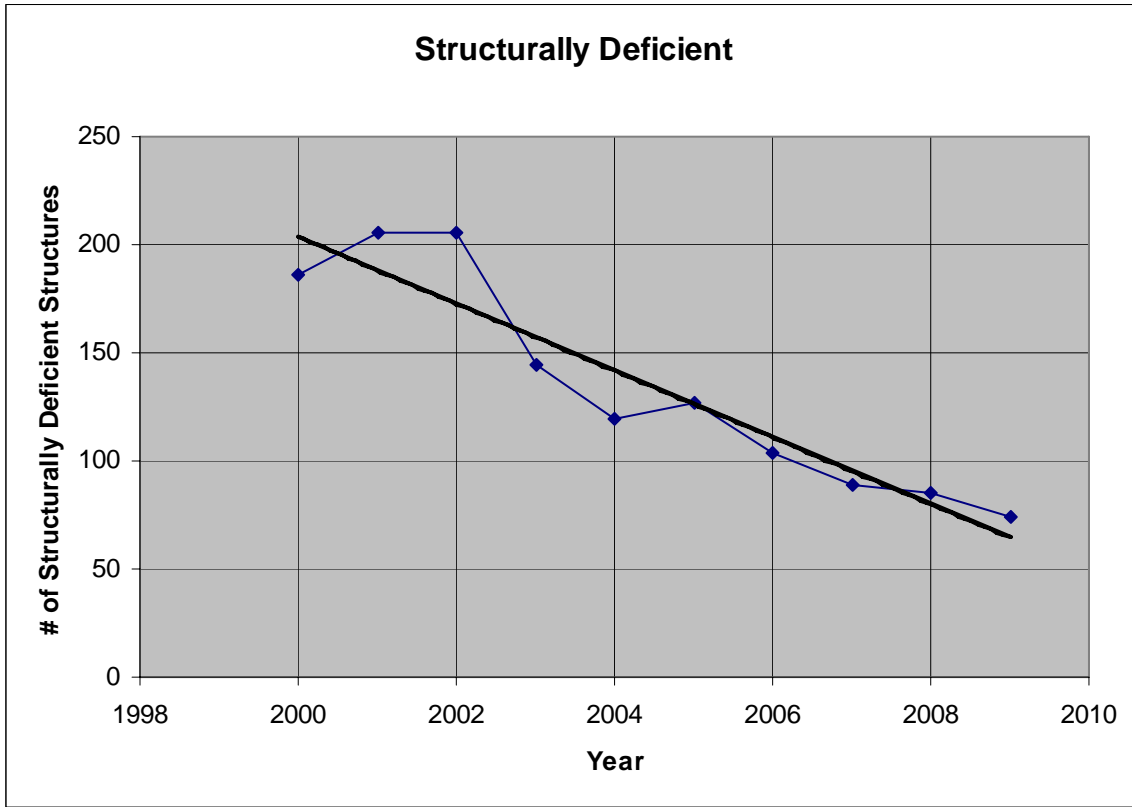
The average Missouri River Bridge is approximately 3,350 feet long. The longest bridge in the state is the Platte-Winner Bridge on SD 44 over Lake Francis Case Reservoir and is 5,656 feet long.



There are 74 structurally deficient structures and 95 functionally obsolete structures in the SDDOT bridge inventory. 1638 structures are not deficient.



Recent SDDOT bridge deficiency trends



Most bridges in the state are inspected every two years. South Dakota received approval from FHWA based upon 23 CFR 650 to inspect some of the bridges every 4 years. 428 structures are currently eligible for 4-year inspections. These structure types are generally structures that do not change or deteriorate very fast. All major river bridge crossings are inspected every year. Bridges that require underwater inspections are inspected every 5 years by an underwater inspection consultant. These inspections were most recently completed in the summer of 2008.

Frequency	Bridges	NBI Culverts	Total
12 month	8	0	8
24 month	1214	157	1371
48 month	53	375	428
60 month *	1	0	1
	1276	532	1808

* Non-nbi bridge (Pedestrian Bridge over I 29 in Sioux Falls)

Miscellaneous Statistics

	Bridges	NBI Culverts	Total
On Interstate System	637	53	690
On Interstate Mainline	430	54	484
Structures over Water	800	525	1325

Border Bridges

Highway	Feature Intersected	Border State	SD Str No	Border State Str No	State Maintains Inventory
I 29 N	Big Sioux River	Iowa	64165405	00000000053930	SD
I 29 S	Big Sioux River	Iowa	64164405	00000000053941	SD
SD 50	Big Sioux River	Iowa	64086223	000000000039650	IA
SD 48	Big Sioux River	City of Akron	64122170	000000000603911	SD
SD 46	Big Sioux River	Iowa	64160023	000000000048451	IA
US 18	Big Sioux River	Iowa	42201136	000000000034481	IA
SD 19	Missouri River	Nebraska	14104249	00000S015 20985	SD
* US 81	Missouri River	Nebraska	68122210	00000S081 21468	SD
SD 37	Missouri River	Nebraska	05090279	00000S014 20330	NE
US 81	Missouri River	Nebraska	68120210	00000S081 21489	NE

* Currently closed and not open to traffic