HistoricBridges.org - National Bridge Inventory Data Sheet

2013 Inventory

The National Bridge Inventory contains data submitted by state transportion departments to the Federal Highway Administration in coded format.
Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Montana [30]	Sanders County [089]	Unknown [00000]	NOXON	47-59-45.81 = 47.996058	115-45-54.56 = -115.765156

L45260000+01001	Highway agency district	1	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route	45020		COUNTY ROAD 020	Toll	On free road [3]	Features intersected	CABINET GORGE RESV 047

Design - main	Steel [3]	Design - approach		Kilometerpoint	1.6 km = 1.0 mi		
3	Truss - Thru [10]	0	Other [00]	Year built	1922	Year reconstructed	1998
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]		

Total length	182.9 m = 600.1 ft	Length of maximum span	60.4 m = 198.2 ft	Deck width, out-to-out	5.5 m = 18.0 ft	Bridge roadway width, curb-to-curb	5.3 m = 17.4 ft
Inventory Route, Total Horizontal Clearance	5.5 m = 18.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Corrugated Steel [6]
Type of wearing surface	Bituminous [6]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	24.9 metric ton = 27.4 tons	
5.1 km = 3.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	38.4 metric ton = 42.2 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 13.5 / HS 15 [3]	

Functional Details

Average Daily Traffic	100	Average daily truck traffi	3 %	Year	2003	Future average daily traffic	100
Year	2025						
Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	7.7 m = 25.3 ft		
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]	Bridge median			
Parallel structure designation	No parallel structure exists. [N]						
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control			
Navigation vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.81 m = 15.8 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	0 = N/A	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A	Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]				
Appraisal ratings - underclearances	N/A [N]						

Repair and Replacement Plans

Type of work to be performed

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	620000	Roadway improvement cost	3100000
Length of structure improvement	190 m = 623.4 ft	Total project cost	9300000
Year of improvement cost estimate	2009		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Fair [5]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	76
Culverts	Not applicable. Used if structure is not a culvert. [N]		

Traffic safety features - railings	
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	

Inspection date	July 2011 [0711]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2011 [0811]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2011 [0711]
Other special inspection	Not needed [N]	Other special inspection date	