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

Washington [53]	Benton County [005]	Unknown [00000]	0.03 N JCT SR 224	46-15-12.00 = 46.253333	119-28-30.00 = -119.475000

82446000000000	Highway agency district: 5	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 225		SR 225	Toll: On free road [3]	Features intersected: YAKIMA RIVER	

Design - main	Steel [3]	Design - approach	Concrete continuous [2]	Kilometerpoint: 4.8 km = 3.0 mi	
1	Stringer/Multi-beam or girder [02]	6	Stayed girder [14]	Year built: 1957	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is on the NRHP. [1]	

Total length: 121.9 m = 400.0 ft	Length of maximum span: 51.8 m = 170.0 ft	Deck width, out-to-out: 10.5 m = 34.5 ft	Bridge roadway width, curb-to-curb: 7.9 m = 25.9 ft		
Inventory Route, Total Horizontal Clearance: 7.9 m = 25.9 ft	Curb or sidewalk width - left: 0.7 m = 2.3 ft	Curb or sidewalk width - right: 0.7 m = 2.3 ft			

Deck structure type: Concrete Cast-in-Place [1]

Type of wearing surface: Bituminous [6]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	25.2 metric ton = 27.7 tons	
4 km = 2.5 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	42.3 metric ton = 46.5 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	9660	Average daily truck traffi	10 %	Year	2010	Future average daily traffic	13524	Year	2030

Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	10.4 m = 34.1 ft
Type of service on bridge	Highway-pedestrian [5]	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	6.45 m = 21.2 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

Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	7920000	Roadway improvement cost	1584000
Length of structure improvement	137.2 m = 450.2 ft	Total project cost	15840000
Year of improvement cost estimate	2010		
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	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	56.7

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	April 2013 [0413]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2013 [0413]
Other special inspection	Not needed [N]	Other special inspection date	