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

Oregon [41]	Hood River County [027]	Cascade Locks [11600]	IN CASCADE LOCKS	45-39-44.46 = 45.662350	121-54-03.78 = -121.901050

02592 283 00039	Highway agency district	#Num!	Owner	Local Toll Authority [32]	Maintenance responsibility	Local Toll Authority [32]	
Route	0		TOLL BR	Toll	Toll bridge [1]	Features intersected	BR OF THE GODS

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	4895.6 km = 3035.3 mi		
3	Truss - Thru [10]	3	Truss - Deck [09]	Year built	1924	Year reconstructed	N/A [0000]
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]		

Total length	565.4 m = 1855.1 ft	Length of maximum span	214.9 m = 705.1 ft	Deck width, out-to-out	7.2 m = 23.6 ft	Bridge roadway width, curb-to-curb	6.7 m = 22.0 ft
Inventory Route, Total Horizontal Clearance	6.7 m = 22.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Open Grating [3]
Type of wearing surface	
Deck protection	
Type of membrane/wearing surface	Not applicable (applies only to structures with no deck) [N]

Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	18.1 metric ton = 19.9 tons	
0.3 km = 0.2 mi	Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	29.9 metric ton = 32.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	5208	Average daily truck traffi	8 %	Year	2010	Future average daily traffic	7600
Year	2030						
Road classification	Minor Arterial (Rural) [06]	Lanes on structure	2	Approach roadway width	14 m = 45.9 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	Highway-waterway [6]	Lanes under structure	2	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	4.45 m = 14.6 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]						
Minimum lateral underclearance on right	0 = N/A	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	7.01 m = 23.0 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrrective action [3]						

Repair and Replacement Plans

Type of work to be performed

Widening of existing bridge or other major structure without deck rehabilitation or replacement [33]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	5940000	Roadway improvement cost	594000
Length of structure improvement	565 m = 1853.8 ft	Total project cost	9504000
Year of improvement cost estimate	2011		
Border bridge - state	Unknown [530]	Border bridge - percent responsibility of other state	
Border bridge - structure number	8.7127e+013		

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		

Scour	Bridge with "unknown" foundation that has not been evaluated for scour. [U]
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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	47.9

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	January 2012 [0112]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y48]	Underwater inspection date	September 2011 [0911]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2009 [0909]
Other special inspection	Not needed [N]	Other special inspection date	