HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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

California [06]	Sonoma County [097]	Unknown [00000]	AT MONTE RIO	38-27-57 = 38.465833	123-00-36 = -123.010000

20C0018	Highway agency district	4	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]

Route	#Num!		BOHEMIAN HWY	Toll	On free road [3]

Features intersected: RUSSIAN RIVER

Design - main	Steel [3]	Design - approach	Steel [3]
5	Truss - Thru [10]	7	Stringer/Multi-beam or girder [02]

Kilometerpoint: 0 km = 0.0 mi

Year built: 1934 Year reconstructed: N/A [0000]

Skew angle: 0 Structure Flared:

Historical significance: Bridge is not eligible for the NRHP. [5]

Total length	235.3 m = 772.0 ft	Length of maximum span	30.5 m = 100.1 ft	Deck width, out-to-out	9.1 m = 29.9 ft	Bridge roadway width, curb-to-curb	6.1 m = 20.0 ft

Inventory Route, Total Horizontal Clearance	6.1 m = 20.0 ft	Curb or sidewalk width - left	1.2 m = 3.9 ft	Curb or sidewalk width - right	1.2 m = 3.9 ft

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

Type of wearing surface:

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 1.1 km = 0.7 mi

Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	20.4 metric ton = 22.4 tons
Method to determine operating rating	Load Factor(LF) [1]	Operating rating	34.3 metric ton = 37.7 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	3100	Average daily truck traffi	1 %	Year	2008	Future average daily traffic	3184
Year	2028						
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	6.1 m = 20.0 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	99.99 m = 328.1 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	4949000	Roadway improvement cost	989000
Length of structure improvement	235.3 m = 772.0 ft	Total project cost	8315000
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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
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	Better than present minimum criteria [7]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	50.6
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 2011 [0111]	Designated inspection frequency	24	Months	
Underwater inspection	Unknown [Y60]	Underwater inspection date	November 2011 [1111]		
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	March 2012 [0312]		
Other special inspection	Not needed [N]	Other special inspection date			