

HistoricBridges.org - National Bridge Inventory Data Sheet

2012 Inventory

The National Bridge Inventory contains data submitted by state transportation 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]	1.5 MI FROM RIVER RD	38-30-28 = 38.507778	122-52-58 = - 122.882778
20C0155	Highway agency district 4	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0		WOHLER RD	Toll On free road [3]	Features intersected RUSSIAN RIVER	
Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	0 km = 0.0 mi
3	Truss - Thru [10]	2	Stringer/Multi-beam or girder [02]	Year built	1921
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]
Total length	234.1 m = 768.1 ft	Length of maximum span	70.1 m = 230.0 ft	Deck width, out-to-out	5.5 m = 18.0 ft
Inventory Route, Total Horizontal Clearance	5.1 m = 16.7 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 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	Allowable Stress(AS) [2]	Inventory rating	14.5 metric ton = 16.0 tons
1.1 km = 0.7 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	24.5 metric ton = 27.0 tons
	Bridge posting	00.1 - 09.9 % below [4]	Design Load	

Functional Details

Average Daily Traffic	800	Average daily truck traffi	1	%	Year	2008	Future average daily traffic	524	Year	2029
Road classification	Minor Collector (Rural) [08]		Lanes on structure	1		Approach roadway width	5.2 m = 17.1 ft			
Type of service on bridge	Highway [1]		Direction of traffic	One lane bridge for 2 - way traffic [3]		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	5.13 m = 16.8 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	Work done by	Work to be done by contract [1]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	2962000	Roadway improvement cost	592000
	Length of structure improvement	234.1 m = 768.1 ft	Total project cost	4976000
	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	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - substructure	<input type="text" value="Critical [2]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Serious [3]"/>		
Scour	<input type="text" value="Bridge is scour critical; field review indicates that extensive scour has occurred at bridge foundations. [2]"/>		
Channel and channel protection	<input type="text" value="Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="24.1"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="July 2011 [0711]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y60]"/>	Underwater inspection date	<input type="text" value="November 2011 [1111]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="November 2011 [1111]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>