

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

California [06]	Solano County [095]	Unknown [00000]	04-SOL-080-.01	38-03-39 = 38.060833	122-13-31 = - 122.225278
23 0015R	Highway agency district 4	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 80	INTERSTATE 80 EB	Toll Toll bridge [1]	Features intersected	CARQUINEZ STRAIT,UP RR	
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 1 km = 0.6 mi	Year built 1958	Year reconstructed N/A [0000]	
5	Truss - Thru [10]	28	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared Yes, flared [1]
		Historical significance Bridge is not eligible for the NRHP. [5]			
Total length 1587.7 m = 5209.2 ft	Length of maximum span 335.3 m = 1100.1 ft	Deck width, out-to-out 17.6 m = 57.7 ft	Bridge roadway width, curb-to-curb 15.8 m = 51.8 ft		
Inventory Route, Total Horizontal Clearance 15.8 m = 51.8 ft	Curb or sidewalk width - left 0.5 m = 1.6 ft	Curb or sidewalk width - right 0.5 m = 1.6 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection	Other [9]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 4.8 km = 3.0 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	29 metric ton = 31.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	49 metric ton = 53.9 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	52700	Average daily truck traffi	6	%	Year	1997	Future average daily traffic	167212	Year	2029
Road classification	Principal Arterial - Interstate (Urban) [11]		Lanes on structure	3	Approach roadway width	15.8 m = 51.8 ft				
Type of service on bridge	Highway [1]		Direction of traffic	1 - way traffic [1]		Bridge median				
Parallel structure designation	The right structure of parallel bridges carrying the roadway in the direction of the inventory. [R]									
Type of service under bridge	Highway-waterway-railroad [Lanes under structure	14	Navigation control	Navigation control on waterway (bridge permit required). [1]				
Navigation vertical clearanc	39.9 m = 130.9 ft			Navigation horizontal clearance	304.2 m = 998.1 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	6.25 m = 20.5 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	0.5 m = 1.6 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	4.9 m = 16.1 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]								
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	30655000	Roadway improvement cost	6131000						
	Length of structure improvement	1587.7 m = 5209.2 ft		Total project cost	51500000					
	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 - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Fair [5]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	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	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	60.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	April 2010 [0410]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	November 2008 [1108]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2010 [0710]
Other special inspection	Not needed [N]	Other special inspection date	