

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]	San Joaquin County [077]	Unknown [00000]	10-SJ-120-T.11	37-47-08 = 37.785556	121-18-23 = - 121.306389
29 0016F	Highway agency district 10	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 120		W120-S5 CONNECTOR	Toll On free road [3]	Features intersected SAN JOAQUIN R (MOSSDALE)	
Design - main	Steel [3]	Design - approach		Kilometerpoint 11 km = 6.8 mi	
5	Truss - Thru [10]	0	Other [00]	Year built 1947	Year reconstructed N/A [0000]
				Skew angle 0	Structure Flared
				Historical significance Bridge is eligible for the NRHP. [2]	
Total length 177.7 m = 583.0 ft	Length of maximum span 39.6 m = 129.9 ft	Deck width, out-to-out 9.6 m = 31.5 ft	Bridge roadway width, curb-to-curb 8.2 m = 26.9 ft		
Inventory Route, Total Horizontal Clearance 8.2 m = 26.9 ft	Curb or sidewalk width - left 0.6 m = 2.0 ft	Curb or sidewalk width - right 0.6 m = 2.0 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Epoxy Overlay [5]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 3.2 km = 2.0 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating 27.2 metric ton = 29.9 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating 41.7 metric ton = 45.9 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	37500	Average daily truck traffi	9	%	Year	2009	Future average daily traffic	45503	Year	2028
Road classification	Principal Arterial - Other (Rural) [02]		Lanes on structure	2		Approach roadway width	11.9 m = 39.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	1 - way traffic [1]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	6.7 m = 22.0 ft		Navigation horizontal clearance	33.5 m = 109.9 ft						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	4.98 m = 16.3 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]		
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	3362000	Roadway improvement cost	672000
	Length of structure improvement	177.7 m = 583.0 ft	Total project cost	5649000
	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	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Serious [3]	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 corrective action [3]
Condition ratings - deck	Serious [3]		
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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	13.1
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			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	May 2011 [0511]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2009 [0809]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2011 [0411]
Other special inspection	Not needed [N]	Other special inspection date	