

HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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 Francisco County [075]	San Francisco [67000]	JUST S. OF CEASAR CHAVEZ	37-44-56 = 37.748889	122-23-49 = - 122.396944
34C0054	Highway agency district 4	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route #Num!		EVANS AVE	Toll On free road [3]	Features intersected CALTRAIN & UP RR	
Design - main	Concrete continuous [2]	Design - approach		Kilometerpoint 0 km = 0.0 mi	
3	Tee beam [04]	0	Other [00]	Year built 1947	Year reconstructed N/A [0000]
				Skew angle 2	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length	32.9 m = 107.9 ft	Length of maximum span	16.5 m = 54.1 ft	Deck width, out-to-out	24.4 m = 80.1 ft
				Bridge roadway width, curb-to-curb	19.5 m = 64.0 ft
Inventory Route, Total Horizontal Clearance	19.5 m = 64.0 ft	Curb or sidewalk width - left	2 m = 6.6 ft	Curb or sidewalk width - right	2 m = 6.6 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	30.8 metric ton = 33.9 tons
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	49.9 metric ton = 54.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	

Functional Details

Average Daily Traffic	25000	Average daily truck traffi	10	%	Year	2006	Future average daily traffic	30912	Year	2029
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	4		Approach roadway width	19.5 m = 64.0 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	Railroad [2]		Lanes under structure	0		Navigation control	Not applicable, no waterway. [N]			
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	Railroad beneath structure [R]									
Minimum lateral underclearance on right	3 m = 9.8 ft					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	6.55 m = 21.5 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]		
Bridge deck replacement with only incidental widening. [37]	Bridge improvement cost	803000	Roadway improvement cost	160000
	Length of structure improvement	32.9 m = 107.9 ft	Total project cost	1349000
	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	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Better than present minimum criteria [7]
Condition ratings - deck	Imminent Failure [1]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	69.6
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	March 2010 [0310]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	