HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]	San Francisco County [075]	San Francisco [67000]	04-SF-001-R.11-SF	37-42-35 = 37.709722	122-28-16 = -122.471111

34 0021	Highway agency district	4	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	#Num!		ALEMANY BLVD	Toll	On free road [3]	Features intersected	STATE RTE 1 (SPANS 4&5)

Design - main	Concrete continuous [2]	Design - approach		Kilometerpoint	0 km = 0.0 mi		
12	Tee beam [04]	0	Other [00]	Year built	1950	Year reconstructed	1966
				Skew angle	50	Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]		

Total length	301.4 m = 988.9 ft	Length of maximum span	24.1 m = 79.1 ft	Deck width, out-to-out	10 m = 32.8 ft	Bridge roadway width, curb-to-curb	7.5 m = 24.6 ft
Inventory Route, Total Horizontal Clearance	7.5 m = 24.6 ft	Curb or sidewalk width - left	0.6 m = 2.0 ft	Curb or sidewalk width - right	1.6 m = 5.2 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	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	21.4 metric ton = 23.5 tons	
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	35.3 metric ton = 38.8 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	12666	Average daily truck traffi	2 %	Year	1998	Future average daily traffic	18547
Year	2029						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	1	Approach roadway width	7.3 m = 24.0 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	Highway, with or without ped	Lanes under structure	6	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	Highway beneath structure [H]						
Minimum lateral underclearance on right	1.8 m = 5.9 ft	Minimum lateral underclearance on left	0.9 m = 3.0 ft				
Minimum Vertical Underclearance	4.75 m = 15.6 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

Other structural work, including hydraulic replacements. [38]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	2764000	Roadway improvement cost	552000
Length of structure improvement	301.4 m = 988.9 ft	Total project cost	4643000
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	Fair [5]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	62.3
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	February 2010 [0210]	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	