

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] Alameda County [001] Unknown [00000] 0.4 MI S/W OF I-880 37-45-54 = 37.765000 122-13-30 = - 122.225000
 33C0026 Highway agency district 4 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route #Num! HIGH ST Toll On free road [3] Features intersected OAKLAND ESTUARY

Design - main Steel [3] Design - approach Concrete [1] Kilometerpoint 0 km = 0.0 mi
 3 Movable - Bascule [16] 6 Tee beam [04] Year built 1939 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared
 Historical significance Bridge is eligible for the NRHP. [2]

Total length 154 m = 505.3 ft Length of maximum span 90 m = 295.3 ft Deck width, out-to-out 7.9 m = 25.9 ft Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft

Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft Curb or sidewalk width - left 1.1 m = 3.6 ft Curb or sidewalk width - right 1.1 m = 3.6 ft

Deck structure type Open Grating [3]

Type of wearing surface Other [9]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 42.8 metric ton = 47.1 tons
 Method to determine operating rating Load Factor(LF) [1] Operating rating 62.5 metric ton = 68.8 tons
 Bridge posting Equal to or above legal loads [5] Design Load

Functional Details

Average Daily Traffic	18620	Average daily truck traffi	10	%	Year	1979	Future average daily traffic	22296	Year	2028
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	8.8 m = 28.9 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	Waterway [5]		Lanes under structure	0		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	5.5 m = 18.0 ft		Navigation horizontal clearance	73.2 m = 240.2 ft						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	4.85 m = 15.9 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]									
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	1150000	Roadway improvement cost	230000						
	Length of structure improvement	154 m = 505.3 ft		Total project cost	1932000					
	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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	69.6
Culverts	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	March 2010 [0310]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	<input type="text"/>
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2010 [0910]
Other special inspection	Not needed [N]	Other special inspection date	<input type="text"/>