HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]	Los Angeles County [037]	Los Angeles [44000]	SIXTH STREET OVER LA RIVE	34-02-14 = 34.037222	118-13-49 = -118.230278

53C1880	Highway agency district: 7	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		

Route: #Num!		SIXTH STREET	Toll: On free road [3]	Features intersected: LOS ANGELES RIVER	

Design - main: Steel [3]		Design - approach: Concrete continuous [2]		Kilometerpoint: 0 km = 0.0 mi	
2	Arch - Thru [12]	39	Tee beam [04]	Year built: 1932	Year reconstructed: N/A [0000]
				Skew angle: 99	Structure Flared: Yes, flared [1]
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 901.9 m = 2959.1 ft	Length of maximum span: 45.7 m = 149.9 ft	Deck width, out-to-out: 17.9 m = 58.7 ft	Bridge roadway width, curb-to-curb: 14 m = 45.9 ft
Inventory Route, Total Horizontal Clearance: 14 m = 45.9 ft	Curb or sidewalk width - left: 1.6 m = 5.2 ft	Curb or sidewalk width - right: 1.6 m = 5.2 ft
Deck structure type: Concrete Cast-in-Place [1]		
Type of wearing surface: Bituminous [6]		
Deck protection:		
Type of membrane/wearing surface: Preformed Fabric [2]		

Weight Limits

Bypass, detour length: 0.3 km = 0.2 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 32.4 metric ton = 35.6 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 54.1 metric ton = 59.5 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 18 / H 20 [4]		

Functional Details

Average Daily Traffic	12283	Average daily truck traffi	1 %	Year	2008	Future average daily traffic	21619
Year	2029						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	4	Approach roadway width	14 m = 45.9 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	Highway-waterway-railroad [8	Lanes under structure	10	Navigation control			
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	4.6 m = 15.1 ft	Minimum lateral underclearance on left	4.6 m = 15.1 ft				
Minimum Vertical Underclearance	5.13 m = 16.8 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Equal to present minimum criteria [6]						

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	16415000	Roadway improvement cost	3283000
Length of structure improvement	901.9 m = 2959.1 ft	Total project cost	27577000
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
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	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	46.9

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	January 2012 [0112]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2011 [0911]
Other special inspection	Not needed [N]	Other special inspection date	