HistoricBridges.org - National Bridge Inventory Data Sheet

2017 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

Oregon [41]	Benton County [003]	Albany [01000]	IN ALBANY	44-38-20.76 = 44.639100	123-06-23.83 = -123.106619

01025D031 01044	Highway agency district: 4	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 20		US 20 (HWY 31) EB	Toll: On free road [3]	Features intersected: WILLAMETTE RIVER	

Design - main: Steel [3]	Design - approach: Concrete [1]	Kilometerpoint: 1680.2 km = 1041.7 mi			
4	Truss - Thru [10]	7	Tee beam [04]	Year built: 1925	Year reconstructed: 1971
				Skew angle: 0	Structure Flared: Yes, flared [1]
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 332.2 m = 1089.9 ft	Length of maximum span: 61 m = 200.1 ft	Deck width, out-to-out: 11.6 m = 38.1 ft	Bridge roadway width, curb-to-curb: 7.9 m = 25.9 ft				
Inventory Route, Total Horizontal Clearance: 7.9 m = 25.9 ft	Curb or sidewalk width - left: 1.5 m = 4.9 ft	Curb or sidewalk width - right: 1.5 m = 4.9 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Latex Concrete or similar additive [3]							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 23.6 metric ton = 26.0 tons		
0.2 km = 0.1 mi	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 39.9 metric ton = 43.9 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	17000	Average daily truck traffi	3 %	Year	2014	Future average daily traffic	21800
Year	2033						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 ft		
Type of service on bridge	Highway [1]	Direction of traffic	1 - way traffic [1]	Bridge median			
Parallel structure designation	The right structure of parallel bridges carrying the roadway in the direction of the inventory. [R]						
Type of service under bridge	Highway-waterway-railroad [8	Lanes under structure	2	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	7.6 m = 24.9 ft	Navigation horizontal clearance	29 m = 95.1 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.55 m = 14.9 ft				
Minimum lateral underclearance reference feature	Railroad beneath structure [R]						
Minimum lateral underclearance on right	4.3 m = 14.1 ft	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	5.18 m = 17.0 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]				
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrrective action [3]						

Repair and Replacement Plans

Type of work to be performed

Widening of existing bridge or other major structure without deck rehabilitation or replacement [33]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	3490000	Roadway improvement cost	349000
Length of structure improvement	332 m = 1089.3 ft	Total project cost	5584000
Year of improvement cost estimate	2011		
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	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	46.3
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	July 2015 [0715]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	August 2016 [0816]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	January 2016 [0116]
Other special inspection	Not needed [N]	Other special inspection date	