HistoricBridges.org - National Bridge Inventory Data Sheet

2013 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]	Clackamas County [005]	Gladstone [29000]	1.4 MI N OREGON CITY CC	45-22-23.38 = 45.373161	122-36-05.47 = -122.601519

01617 01E 01120	Highway agency district	#Num!	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]

Route	99	East [2]	OR 99E(HWY 001E)	Toll	On free road [3]

Features intersected: CLACKAMAS RIVER

Design - main	Steel [3]	Design - approach	Concrete continuous [2]
3	Arch - Thru [12]	4	Stringer/Multi-beam or girder [02]

Kilometerpoint: 1802.5 km = 1117.6 mi

Year built: 1933 | Year reconstructed: N/A [0000]

Skew angle: 0 | Structure Flared:

Historical significance: Bridge is eligible for the NRHP. [2]

Total length	222.5 m = 730.0 ft	Length of maximum span	73.2 m = 240.2 ft	Deck width, out-to-out	20.4 m = 66.9 ft	Bridge roadway width, curb-to-curb	14.6 m = 47.9 ft

Inventory Route, Total Horizontal Clearance	14.6 m = 47.9 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: 0.3 km = 0.2 mi

Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	13.6 metric ton = 15.0 tons
Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	22.7 metric ton = 25.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	32700	Average daily truck traffi	2 %	Year	2010	Future average daily traffic	40200
Year	2030						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	4	Approach roadway width	17.1 m = 56.1 ft		
Type of service on bridge	Highway [1]	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 vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	5.64 m = 18.5 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

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	2338000	Roadway improvement cost	234000
Length of structure improvement	223 m = 731.7 ft	Total project cost	3740000
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	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	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 protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	39.5

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]

Inspection date	November 2012 [1112]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y48]	Underwater inspection date	September 2011 [0911]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	November 2012 [1112]
Other special inspection	Unknown [Y72]	Other special inspection date	December 2010 [1210]