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]	Multnomah County [051]	Portland [59000]	W END OF NW GORDON ST	45-32-26.61 = 45.540725	122-43-22.79 = -122.722997

25B14 000	Highway agency district	#Num!	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route	#Num!		NW ALEXANDRA AVE	Toll	On free road [3]	Features intersected	B-14 OVER CANYON

Design - main	Concrete [1]	Design - approach	Concrete [1]	Kilometerpoint	0 km = 0.0 mi		
1	Arch - Deck [11]	8	Girder and floorbeam system [03]	Year built	1922	Year reconstructed	N/A [0000]
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]		

Total length	82.9 m = 272.0 ft	Length of maximum span	45.7 m = 149.9 ft	Deck width, out-to-out	6.9 m = 22.6 ft	Bridge roadway width, curb-to-curb	4.9 m = 16.1 ft
Inventory Route, Total Horizontal Clearance	4.9 m = 16.1 ft	Curb or sidewalk width - left	0.2 m = 0.7 ft	Curb or sidewalk width - right	1.2 m = 3.9 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Epoxy Overlay [5]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	16.3 metric ton = 17.9 tons	
19.9 km = 12.3 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	27.2 metric ton = 29.9 tons	
	Bridge posting	10.0 - 19.9 % below [3]	Design Load	M 9 / H 10 [1]	

Functional Details

Average Daily Traffic	109	Average daily truck traffi	1 %	Year	2010	Future average daily traffic	109
Year	2030						
Road classification	Local (Urban) [19]	Lanes on structure	1	Approach roadway width	7.3 m = 24.0 ft		
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	One lane bridge for 2 - way traffic [3]	Bridge median			
Parallel structure designation	No parallel structure exists. [N]						
Type of service under bridge	Relief for waterway [9]	Lanes under structure	0	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	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	871000	Roadway improvement cost	87000
Length of structure improvement	83 m = 272.3 ft	Total project cost	1394000
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	Posted for load [P]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations (including piles) on dry land well above flood water elevations. [9]		
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	47.5
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	September 2016 [0916]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [N00]	Underwater inspection date	
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	