

The National Bridge Inventory contains data submitted by state transportation 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]	Umatilla County [059]	Umatilla [75650]	WASHINGTON STATE LINE	45-55-53.28 = 45.931467	119-19-42.97 = -119.328603
02230A070 00039	Highway agency district 12	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 82	I-82 (HWY 070) EB	Toll On free road [3]	Features intersected	COLUMBIA RIVER	
Design - main Steel continuous [4]	Design - approach Steel continuous [4]	Kilometerpoint 62.8 km = 38.9 mi	Year built 1955	Year reconstructed 1990	
5	Truss - Thru [10]	15	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
			Historical significance	Bridge is on the NRHP. [1]	
Total length 1030.2 m = 3380.1 ft	Length of maximum span 182.9 m = 600.1 ft	Deck width, out-to-out 9.2 m = 30.2 ft	Bridge roadway width, curb-to-curb	8.4 m = 27.6 ft	
Inventory Route, Total Horizontal Clearance 8.4 m = 27.6 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Latex Concrete or similar additive [3]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.2 km = 0.1 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	17.3 metric ton = 19.0 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	28.7 metric ton = 31.6 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	8332	Average daily truck traffi	33	%	Year	2010	Future average daily traffic	28325	Year	2030
Road classification	Principal Arterial - Interstate (Rural) [01]		Lanes on structure	2		Approach roadway width	11.6 m = 38.1 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	Waterway [5]		Lanes under structure	0		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	25.9 m = 85.0 ft			Navigation horizontal clearance	102.1 m = 335.0 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	4.9 m = 16.1 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	99.9 = Unlimited				
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]		
Widening of existing bridge or other major structure without deck rehabilitation or replacement [33]	Bridge improvement cost	10823000	Roadway improvement cost	1082000		
	Length of structure improvement	1030 m = 3379.4 ft		Total project cost	17317000	
	Year of improvement cost estimate	2011				
	Border bridge - state	Unknown [530]		Border bridge - percent responsibility of other state	50	
	Border bridge - structure number	000000PD0000000				

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	Good [7]	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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	42.8
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	June 2011 [0611]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2008 [0908]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	June 2011 [0611]
Other special inspection	Not needed [N]	Other special inspection date	

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Basic Information

Washington [53]	Benton County [005]	Unknown [00000]	1.0 E JCT SR 14	45-55-50.00 = 45.930556	119-19-54.00 = -119.331667		
000000PD0000000	Highway agency district	5	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	82	I-82	Toll	On free road [3]	Features intersected	COLUMBIA R	
Design - main	Steel continuous [4]	Design - approach	Steel continuous [4]	Kilometerpoint	21296.7 km = 13204.0 mi		
5	Truss - Thru [10]	15	Stringer/Multi-beam or girder [02]	Year built	1955	Year reconstructed	1990
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is possibly eligible for the NRHP. [3]		
Total length	1030.2 m = 3380.1 ft	Length of maximum span	182.9 m = 600.1 ft	Deck width, out-to-out	9.2 m = 30.2 ft	Bridge roadway width, curb-to-curb	8.4 m = 27.6 ft
Inventory Route, Total Horizontal Clearance	8.4 m = 27.6 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		
Deck structure type	Concrete Cast-in-Place [1]						
Type of wearing surface	Latex Concrete or similar additive [3]						
Deck protection	Epoxy Coated Reinforcing [1]						
Type of membrane/wearing surface							

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	34.2 metric ton = 37.6 tons
0.2 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	56.7 metric ton = 62.4 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	8950	Average daily truck traffi	25	%	Year	2010	Future average daily traffic	12530	Year	2030
Road classification	Principal Arterial - Interstate (Rural) [01]		Lanes on structure	2		Approach roadway width	11.6 m = 38.1 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	Waterway [5]		Lanes under structure	0		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	25.9 m = 85.0 ft			Navigation horizontal clearance	102.1 m = 335.0 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	4.8 m = 15.7 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	60368000			Roadway improvement cost	12074000				
	Length of structure improvement	1045.5 m = 3430.3 ft			Total project cost	120736000				
	Year of improvement cost estimate	2010								
	Border bridge - state	Unknown [410]				Border bridge - percent responsibility of other state	50			
	Border bridge - structure number	02230A070 00039								

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	Good [7]	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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	55.6
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	June 2013 [0613]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2008 [0908]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	June 2013 [0613]
Other special inspection	Not needed [N]	Other special inspection date	