

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

Washington [53] Skagit County [057] Unknown [00000] 4.7 E JCT SR 20 48-25-17.45 = 48.421514 122-20-24.38 = -122.340106

0004400A0000000 Highway agency district 1 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 536 SR 536 Toll On free road [3] Features intersected SKAGIT RIVER

Design - main Steel continuous [4] Design - approach
 2 Movable - Swing [17] 5 Mixed types [20] Kilometerpoint 759.4 km = 470.8 mi

Year built 1953 Year reconstructed N/A [0000] Skew angle 0 Structure Flared
 Historical significance Bridge is not eligible for the NRHP. [5]

Total length 205.7 m = 674.9 ft Length of maximum span 48.8 m = 160.1 ft Deck width, out-to-out 10.6 m = 34.8 ft Bridge roadway width, curb-to-curb 8.5 m = 27.9 ft

Inventory Route, Total Horizontal Clearance 8.5 m = 27.9 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 1.4 m = 4.6 ft

Deck structure type Open Grating [3]

Type of wearing surface Epoxy Overlay [5]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 1.1 km = 0.7 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 27.9 metric ton = 30.7 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 45.9 metric ton = 50.5 tons

Bridge posting Equal to or above legal loads [5] Design Load MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	21941	Average daily truck traffi	8	%	Year	2010	Future average daily traffic	30717	Year	2030
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	7.9 m = 25.9 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 [6]		Lanes under structure	1		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	3.4 m = 11.2 ft			Navigation horizontal clearance	32 m = 105.0 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	4.57 m = 15.0 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	0.5 m = 1.6 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	3.02 m = 9.9 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

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	12760000	Roadway improvement cost	2552000		
	Length of structure improvement	221 m = 725.1 ft		Total project cost	25520000	
	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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
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	In place but in a deteriorated condition [3]	Sufficiency rating	54.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail	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	June 2011 [0611]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2011 [0811]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	June 2011 [0611]
Other special inspection	Not needed [N]	Other special inspection date	