

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Washington [53] Whatcom County [073] Unknown [00000] 12.0 N SKAGIT CO 48-48-33.52 = 48.809311 122-12-00.65 = -122.200181

0004542A0000000 Highway agency district 1 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 9 SR 9 Toll On free road [3] Features intersected N FK NOOKSACK RIVER

Design - main Steel [3] Design - approach Concrete [1] Kilometerpoint 12690.2 km = 7867.9 mi

2 Truss - Thru [10] 2 Tee beam [04] Year built 1954 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 125 m = 410.1 ft Length of maximum span 48.8 m = 160.1 ft Deck width, out-to-out 9.4 m = 30.8 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 0.8 m = 2.6 ft Curb or sidewalk width - right 0.8 m = 2.6 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 6.9 km = 4.3 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 24.3 metric ton = 26.7 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 39.6 metric ton = 43.6 tons

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

Functional Details

Average Daily Traffic	3538	Average daily truck traffi	17	%	Year	2010	Future average daily traffic	4953	Year	2030
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	11.6 m = 38.1 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	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	4.57 m = 15.0 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	8096000	Roadway improvement cost	1619000						
	Length of structure improvement	140.2 m = 460.0 ft		Total project cost	16192000					
	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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Satisfactory [6]	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 corrective action [3]
Condition ratings - deck	Fair [5]		
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		Sufficiency rating	46.5
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	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	July 2013 [0713]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2013 [0713]
Other special inspection	Not needed [N]	Other special inspection date	