HistoricBridges.org - National Bridge Inventory Data Sheet

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							47-15-53.00 =	122-32-45.70	
Washington [53]	eshington [53] Pierce County [053]		Unknown [00000] 5.1 N JCT I-5				47-13-33.00 = 47.264722	= -122.546028	
0003418A0000000 Highway agency district 3			Owner State Highway A	Owner State Highway Agency [01] Maintenance responsibility			State Highway Age	ncy [01]	
Route 16	NB SF	R 16	Toll On fre	ee road [3]	Features intersed	cted TACOMA N	ARROWS		
Design - Steel continumain 3 Suspension		Design - approach 10 Mixed	d types [20]	Kilometerpoint Year built 194 Skew angle 0 Historical signific	Structure F	constructed N/A	[0000] NRHP. [2]		
Total length 1822.1 m = 5978.3 ft Length of maximum span 853.4 m = 2800.0 ft Deck width, out-to-out 16.4 m = 53.8 ft Bridge roadway width, curb-to-curb 14.1 m = 46.3 ft Inventory Route, Total Horizontal Clearance 14.1 m = 46.3 ft Curb or sidewalk width - left 0.9 m = 3.0 ft 0.9 m = 3.0 ft									
Type of wearing surface Deck protection Concrete Cast-in-Place Bituminous [6]		ce [1]							
Type of membrane/wearing surface									
Weight Limits									
Bypass, detour length 0.2 km = 0.1 mi	interior to determine inventory rating		Load Factor(LF) [1] Load Factor(LF) [1]		Inventory rating Operating rating	22.5 metric ton 32.4 metric ton			
Bridge posting Equal to or above legal loads [5]			Design Load						

Functional Details								
Average Daily Traffic 39347 Average daily tr	ruck traffi 7 % Year 2010 Future average daily traffic 50364 Year 2030							
Road classification	rays or Exp Lanes on structure 4 Approach roadway width 12.2 m = 40.0 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 Railroad-waterway [7]	Lanes under structure 0 Navigation control Navigation control on waterway (bridge permit required). [1]							
Navigation vertical clearance 60.4 m = 198.2 ft Navigation horizontal clearance 783.3 m = 2570.0 ft								
Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway 24.99 m = 82.0 ft								
Minimum lateral underclearance reference feature Railroad beneath structure [R]								
Minimum lateral underclearance on right 6.1 m = 20.0 ft Minimum lateral underclearance on left 0 = N/A								
Minimum Vertical Underclearance 99.99 m = 328.1 ft Minimum vertical underclearance reference feature Railroad beneath structure [R]								
Appraisal ratings - underclearances Equal to present desirable criteria [8]								
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 163962000 Roadway improvement cost 32792000							
ucterioration of madequate strength. [55]	Length of structure improvement 1837.3 m = 6028.2 ft Total project cost 327923000							
	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 res	striction [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	Satisfactory [6]	Appraisal ratings -	Basically intolerable requiring high priority of replacement [2]							
Condition ratings - deck	Satisfactory [6]	deck geometry								
Scour	Bridge foundations de	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 adequate	Equal to present des	irable criteria [8]	Si	tatus evaluation	Functionally obsolete [2]					
Pier or abutment protection	In place and function	ing [2]	Si	ufficiency rating	57.1					
Culverts Not applicable. Used if structure is not a culvert. [N]										
Traffic safety features - railings	cted feature meets currently acce	eature meets currently acceptable standards. [1]								
Traffic safety features - transition	ns									
Traffic safety features - approach	n guardrail									
Traffic safety features - approach guardrail ends										
Inspection date										
Underwater inspection	Unknown [Y60]	Underwater inspe		February 2008						
Fracture critical inspection	Every two years [Y24]		acture critical inspection date]					
Other special inspection	Every two years [Y24]	Other special insp	Dection date July 2011 [0711]							