HistoricBridges.org - National Bridge Inventory Data Sheet

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Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Infor	mation														46-05-56.80 =	122-58-00.90
Washington [53] Cowlitz County [015]			l	Unknown [00000] OREGON LINE							46.099111	= -122.966917				
0003760A0000000 Highway agency			y district 4		Owner State Highway Agency [01]				1	Maintenand	e respon	nsibility	State Highway Ag	ency [01]		
Route 433 SR 433			3			Toll On fre	e road [3]		Feat	tures interse	ected Co	OLUMBIA	R @ LONGVIEW			
Design - Steel continuous [4]				Design - Steel of approach		continuous [4]		Kilometerp			n = 0.1 mi					
3 T				31	Stringer/Multi-beam or girder [02]		Year built Skew ang	1929 e 0	Year reconstructed 2003 Structure Flared Yes, flared [1]							
									· ·	rical significance Bridge is on the NRHP. [1]			1]			
Total length	1669.7 ı	m = 54	478.3 ft	Lenç	gth of maxim	um span	365.8 n	n = 1200.2 ft	Deck wid	lth, out-	to-out	11 m = 36.1	l ft B	Bridge road	dway width, curb-to-o	curb 10.4 m = 34.1 ft
Inventory Route, Total Horizontal Clearance 10.4 m = 34.1 ft			4.1 ft	Curb or sidewalk width - left 0 m = 0			0.0 ft		Cı	urb or side	ewalk width - right	0 m = 0.0 ft				
Deck structure type Concrete Precast Pa			ast Panel	s [2]												
Type of wea	aring surfa	ce		Ep	oxy Overlay	[5]										
Deck protec	ction			Εp	poxy Coated Reinforcing [1]											
Type of membrane/wearing surface																
Weight Lim	nits															
31	Bypass, detour length Method to determine			mine inventory rating Load Factor(LF) [1]					Inventory rating 20.9 metric ton = 23.0 tons							
15.9 km = 9	15.9 km = 9.9 mi Method to determine operating			ne operating	rating	g Load Factor(LF) [1]				Opera	nting rating	35.4 n	netric ton	= 38.9 tons		
Bridge posting Equal to or above le			bove lega	gal loads [5]				Design Load M 18 / H 20 [4]								

Functional Details			
Average Daily Traffic 20668 Average daily to	ruck traffi 13 % Year 2012 Future av	erage daily traffic 31319 Year 2032	
Road classification Other Principal Arterial (Urban)	[14] Lanes on structure 2	Approach roadway width 9.1 m = 29.	9 ft
Type of service on bridge Highway [1]	Direction of traffic 2 - way traffic [2	Bridge median	
Parallel structure designation No parallel structure	e exists. [N]		
Type of service under bridge Highway-waterway-ra	Iroad [8] Lanes under structure 6	avigation control Navigation control on waterway (bridge perm	nit required). [1]
Navigation vertical clearanc 60.4 m = 198.2 ft	Navigation horizontal clea	rance 333.5 m = 1094.2 ft	
Minimum navigation vertical clearance, vertical lift bri	dge Min	imum vertical clearance over bridge roadway 4.95 m = 16.2 ft	
Minimum lateral underclearance reference feature	ighway beneath structure [H]		
Minimum lateral underclearance on right 3 m = 9.8 ft	Minim	um lateral underclearance on left 0 = N/A	
Minimum Vertical Underclearance 15.75 m = 51.7 ft	Minimum vertical underclea	rance reference feature Highway beneath structure [H]	
Appraisal ratings - underclearances Equal to preser	t minimum criteria [6]		
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 35059000	Roadway improvement cost 7012000	
deterioration or inadequate strength. [55]	Length of structure improvement 1669.7	m = 5478.3 ft Total project cost 70118000	
	Year of improvement cost estimate 2014		
	Border bridge - state Unknown [410]	Border bridge - percent responsibility of other sta	te 50
	Border bridge - structure number 02046 02	NC04892	

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	Fair [5]	Appraisal ratings -	Meets minimum tolerable limits to be left in place as is [4]						
Condition ratings - deck	Good [7]	deck geometry							
Scour	Bridge is scour crit	Bridge is scour critical; bridge foundations determined to be unstable. [3]							
Channel and channel protection		ed or well vegetated. River control do a stable condition. [8]	levices such as spur dikes and embankment protection are not						
Appraisal ratings - water adequac	Equal to present d	lesirable criteria [8]	Status evaluation						
Pier or abutment protection	None present but	re-evaluation suggested [5]	Sufficiency rating 49.3						
Culverts Not applicable. Used if structure is not a culvert. [N]									
Traffic safety features - railings	In	pected feature meets currently acce	eptable standards. [1]						
Traffic safety features - transition	ns In	Inpected feature meets currently acceptable standards. [1]							
Traffic safety features - approach	n guardrail In	Inpected feature meets currently acceptable standards. [1]							
Traffic safety features - approach	n guardrail ends	Inpected feature meets currently acceptable standards. [1]							
Inspection date February 20	16 [0216] Design	nated inspection frequency 24	Months						
•	Unknown [Y60]	Underwater inspec							
•	Every two years [Y24]	Fracture critical ins							
Other special inspection	Every two years [Y24]	Other special inspecial	pection date February 2016 [0216]						

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Basic Info	ormation										46-06-18.83 =	122-57-40.86
Oregon [41] Columbia County [009]			(009]	Unknowr	Unknown [00000] WASH. STATE L					46.105231	= -122.961350	
02046 02WC04892 Highway		ighway ag	gency district 1	Owner	Owner State Highway Agency [01]		Mair	ntenance respo	onsibility	State Highway Age	ency [01]	
Route 30		H\	WY 2W CONN		Toll On free road [3]		Features	Features intersected COLUMBIA R (LONGVIEW BR)				
Design - Steel continuous [4] main		Design - approach	Steel continuous			7872.9 km = 4881.2 mi Year reconstructed 2003						
3	3 Truss - Thru [10]		31	Stringer/Multi-beam or girder [02]		Year built 1929 Skew angle 0		Structure Flared Yes, flared [1]				
							Historical significance Bridge is on the NRHP.			he NRHP. [1]	
Total lengt	th 1669.7 i	m = 5478	3.3 ft	Length of maxim	um span 365.8 n	n = 1200.2 ft	Deck width, out-	to-out 11 n	n = 36.1 ft	Bridge road	dway width, curb-to-cu	urb 10.4 m = 34.1 ft
Inventory I	Route, Total	Horizont	tal Cleara	9.1 m = 29.	9 ft Cı	Curb or sidewalk width - left 0 m = 0				Curb or side	ewalk width - right	0 m = 0.0 ft
Deck structure type Concrete Cast-			in-Place [1]									
Type of we	earing surfa	ce		Epoxy Overlay	[5]							
Deck protection E			Epoxy Coated	Epoxy Coated Reinforcing [1]								
Type of membrane/wearing surface												
Weight Li	mits											
			ermine inventory	ermine inventory rating Load Factor(LF) [1]			Inventory rating 38.7 metric ton = 42.6 tons					
19.9 km =	19.9 km = 12.3 mi Method to determ			termine operating	rmine operating rating Load Factor(LF) [1]			Operating	rating 64.8	metric ton	= 71.3 tons	
	Bridge posting Equal to or above le			oove legal loads	gal loads [5]			Design Load M 18 / H 20 [4]				

Functional Details		
Average Daily Traffic 10500 Average daily true	ck traffi 10 % Year 2014 Future average daily traffi	ic 13100 Year 2033
Road classification Principal Arterial - Other (Rural) [D2] Lanes on structure 2	Approach roadway width 9.1 m = 29.9 ft
Type of service on bridge Highway [1]	Direction of traffic 2 - way traffic [2]	Bridge median
Parallel structure designation No parallel structure	exists. [N]	
Type of service under bridge Highway-waterway-railro	pad [8] Lanes under structure 4 Navigation control	Navigation control on waterway (bridge permit required). [1]
Navigation vertical clearanc 60.4 m = 198.2 ft	Navigation horizontal clearance 319.7 m	= 1048.9 ft
Minimum navigation vertical clearance, vertical lift bridg	ge Minimum vertical cle	earance over bridge roadway 6.1 m = 20.0 ft
Minimum lateral underclearance reference feature Hig	hway beneath structure [H]	
Minimum lateral underclearance on right 3 m = 9.8 ft	Minimum lateral under	rclearance on left 0 = N/A
Minimum Vertical Underclearance 12.19 m = 40.0 ft	Minimum vertical underclearance reference	feature Highway beneath structure [H]
Appraisal ratings - underclearances Somewhat better	than minimum adequacy to tolerate being left in place as is [5]	
Repair and Replacement Plans		
Type of work to be performed	Work done by	
	Bridge improvement cost Roadway	improvement cost
	Length of structure improvement	Total project cost 0
	Year of improvement cost estimate	
	Border bridge - state Unknown [530]	Border bridge - percent responsibility of other state 50
	Border bridge - structure number 0003760A0000000	

Inspection and Sufficiency							
Structure status Open, no re	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	Fair [5]	Appraisal ratings -	Better than present minimum criteria [7]				
Condition ratings - deck	Satisfactory [6]	deck geometry					
Scour	Bridge is scour critical; brid	ge foundations determined	to be unstable. [3]				
Channel and channel protection	Banks are protected or well required or are in a stable of		evices such as spur dikes and embankment protection are not				
Appraisal ratings - water adequa	Equal to present desirable	criteria [8]	Status evaluation				
Pier or abutment protection	None present but re-evalua	ation suggested [5]	Sufficiency rating 63				
Culverts Not applicable. Used	if structure is not a culvert. [N]						
Traffic safety features - railings	Inpected for	eature meets currently acce	ptable standards. [1]				
Traffic safety features - transition	Inpected for	Inpected feature meets currently acceptable standards. [1]					
Traffic safety features - approac		Inpected feature meets currently acceptable standards. [1]					
Traffic safety features - approac	n guardrail ends Inpected for	Inpected feature meets currently acceptable standards. [1]					
Inspection date February 20	14 [0214] Designated ins	pection frequency 24	Months				
Underwater inspection	Unknown [N00]	Underwater inspec	ction date				
Fracture critical inspection	Every two years [Y24]	Fracture critical ins					
Other special inspection	Not needed [N]	Other special insp	ection date				