

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**

Oregon [41]	Clatsop County [007]	Astoria [03150]	N END OF ASTORIA BR	46-14-26.69 = 46.240747	123-52-29.34 = -123.874817
07949A009 00000	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 101	US101 (HWY 9)	Toll On free road [3]	Features intersected	COLUMBIA RIVER	
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 0 km = 0.0 mi	Year built 1966	Year reconstructed N/A [0000]	
7	Truss - Thru [10]	8	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
		Historical significance		Historical significance is not determinable at this time. [4]	
Total length 1120.8 m = 3677.3 ft	Length of maximum span 107.9 m = 354.0 ft	Deck width, out-to-out 10.1 m = 33.1 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 0 m = 0.0 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0 km = 0.0 mi	Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	32.7 metric ton = 36.0 tons
	Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	54.4 metric ton = 59.8 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	MS 18 / HS 20 [5]

### Functional Details

Average Daily Traffic  Average daily truck traffi  % Year  Future average daily traffic  Year

Road classification  Lanes on structure  Approach roadway width

Type of service on bridge  Direction of traffic  Bridge median

Parallel structure designation

Type of service under bridge  Lanes under structure  Navigation control

Navigation vertical clearanc  Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge  Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right  Minimum lateral underclearance on left

Minimum Vertical Underclearance  Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

### 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

Year of improvement cost estimate

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 desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	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	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	Superior to present desirable criteria [9]	Status evaluation	
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	73
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	October 2015 [1015]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	October 2016 [1016]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	June 2016 [0616]
Other special inspection	Not needed [N]	Other special inspection date	

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**Basic Information**

Oregon [41]	Clatsop County [007]	Astoria [03150]	DESDEMONA SANDS	46-14-09.99 = 46.236108	123-52-20.95 = -123.872486
07949B009 00028	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 101	US101 (HWY 9)	Toll On free road [3]	Features intersected	COLUMBIA RIVER	
Design - main Prestressed concrete [5]	Design - approach	Kilometerpoint 45.1 km = 28.0 mi	Year built 1966	Year reconstructed N/A [0000]	
140	Stringer/Multi-beam or girder [02]	0	Other [00]	Skew angle 0	Structure Flared
			Historical significance	Historical significance is not determinable at this time. [4]	
Total length 3413.8 m = 11200.7 ft	Length of maximum span 24.4 m = 80.1 ft	Deck width, out-to-out 10.1 m = 33.1 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 0 m = 0.0 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0 km = 0.0 mi	Method to determine inventory rating	Load and Resistance Factor Rating (L)	Inventory rating	36 metric ton = 39.6 tons
	Method to determine operating rating	Load and Resistance Factor Rating (L)	Operating rating	46.7 metric ton = 51.4 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

### Functional Details

Average Daily Traffic	24600	Average daily truck traffi	8	%	Year	2014	Future average daily traffic	26900	Year	2033
Road classification	Principal Arterial - Other (Rural) [02]		Lanes on structure	2		Approach roadway width	8.5 m = 27.9 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	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	30.18 m = 99.0 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			
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	0007666C0000000		

## Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text" value="In place and functioning [2]"/>	Sufficiency rating	<input type="text" value="67"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="October 2015 [1015]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y60]"/>	Underwater inspection date	<input type="text" value="October 2016 [1016]"/>
Fracture critical inspection	<input type="text" value="Unknown [N00]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Unknown [N00]"/>	Other special inspection date	<input type="text"/>

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**Basic Information**

Oregon [41]	Clatsop County [007]	Astoria [03150]	SHIPPING CHANNEL/S END BR	46-12-14.72 = 46.204089	123-51-21.56 = -123.855989
07949C009 00241	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 101	US101 (HWY 9)	Toll On free road [3]	Features intersected	COLUMBIA RIVER/HWY 2W	
Design - main Steel continuous [4]	Design - approach Concrete [1]	Kilometerpoint 387.9 km = 240.5 mi	Year built 1966	Year reconstructed N/A [0000]	
8	Truss - Thru [10]	33	Mixed types [20]	Skew angle 0	Structure Flared
		Historical significance		Bridge is possibly eligible for the NRHP. [3]	
Total length 2027.2 m = 6651.2 ft	Length of maximum span 375.5 m = 1232.0 ft	Deck width, out-to-out 10.1 m = 33.1 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 0 m = 0.0 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0 km = 0.0 mi	Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	32.7 metric ton = 36.0 tons
	Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	54.4 metric ton = 59.8 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

### Functional Details

Average Daily Traffic	24600	Average daily truck traffi	8	%	Year	2014	Future average daily traffic	26900	Year	2033
Road classification	Principal Arterial - Other (Rural) [02]		Lanes on structure	2	Approach roadway width	8.5 m = 27.9 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 [6]		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	326.1 m = 1069.9 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	30.18 m = 99.0 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	2.3 m = 7.5 ft				Minimum lateral underclearance on left	0.6 m = 2.0 ft				
Minimum Vertical Underclearance	60.96 m = 200.0 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]									

### 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	0007666D0000000								



## Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text" value="In place and functioning [2]"/>	Sufficiency rating	<input type="text" value="71"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="October 2015 [1015]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Every two years [Y24]"/>	Underwater inspection date	<input type="text" value="September 2016 [0916]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="May 2016 [0516]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

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**Basic Information**

Washington [53]	Pacific County [049]	Unknown [00000]	3.65 S OREGON LINE	46-14-17.97 = 46.238325	123-52-24.54 = -123.873483
0007666B0000000	Highway agency district 4	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 101	US 101	Toll On free road [3]	Features intersected	COLUMBIA R	
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 0.1 km = 0.1 mi	Year built 1966	Year reconstructed N/A [0000]	
7	Truss - Thru [10]	8	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
			Historical significance	Historical significance is not determinable at this time. [4]	
Total length 1120.7 m = 3677.0 ft	Length of maximum span 107.9 m = 354.0 ft	Deck width, out-to-out 10.1 m = 33.1 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 0 m = 0.0 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0 km = 0.0 mi	Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	32.7 metric ton = 36.0 tons
	Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	54.4 metric ton = 59.8 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

### Functional Details

Average Daily Traffic	6800	Average daily truck traffi	10	%	Year	2010	Future average daily traffic	11400	Year	2030
Road classification	Principal Arterial - Other (Rural) [02]		Lanes on structure	2		Approach roadway width	8.5 m = 27.9 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	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	5.23 m = 17.2 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	65595000	Roadway improvement cost	13119000						
	Length of structure improvement	1136 m = 3727.2 ft		Total project cost	131190000					
	Year of improvement cost estimate	2010								
	Border bridge - state	Unknown [410]			Border bridge - percent responsibility of other state	50				
	Border bridge - structure number	07949A009 00000								

## Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="73"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="October 2013 [1013]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y36]"/>	Underwater inspection date	<input type="text" value="September 2013 [0913]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="September 2012 [0912]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

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**Basic Information**

Washington [53]	Pacific County [049]	Unknown [00000]	3.37 S OREGON LINE	46-14-02.24 = 46.233956	123-52-16.78 = -123.871328
0007666C0000000	Highway agency district 4	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 101	US 101	Toll On free road [3]	Features intersected	COLUMBIA R	
Design - main 140	Prestressed concrete [5] Stringer/Multi-beam or girder [02]	Design - approach 0	Other [00]	Kilometerpoint 0.1 km = 0.1 mi	Year built 1966
				Year reconstructed	N/A [0000]
				Skew angle 0	Structure Flared
				Historical significance	Historical significance is not determinable at this time. [4]
Total length	3413.8 m = 11200.7 ft	Length of maximum span	24.4 m = 80.1 ft	Deck width, out-to-out	10.1 m = 33.1 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	0 m = 0.0 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	Load and Resistance Factor Rating (L)	Inventory rating	36 metric ton = 39.6 tons
0 km = 0.0 mi	Method to determine operating rating	Load and Resistance Factor Rating (L)	Operating rating	46.7 metric ton = 51.4 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	MS 18 / HS 20 [5]

### Functional Details

Average Daily Traffic	23300	Average daily truck traffi	6	%	Year	2010	Future average daily traffic	28200	Year	2030
Road classification	Principal Arterial - Other (Rural) [02]		Lanes on structure	2		Approach roadway width	8.5 m = 27.9 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	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	99.99 m = 328.1 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	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	198000000	Roadway improvement cost	39600000						
	Length of structure improvement	3429 m = 11250.5 ft		Total project cost	396000000					
	Year of improvement cost estimate	2010								
	Border bridge - state	Unknown [410]			Border bridge - percent responsibility of other state	50				
	Border bridge - structure number	07949B009 00028								

## Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="67"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="October 2013 [1013]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y60]"/>	Underwater inspection date	<input type="text" value="September 2013 [0913]"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

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**Basic Information**

Washington [53]	Pacific County [049]	Unknown [00000]	0.96 S OREGON LINE	46-12-14.72 = 46.204089	123-51-21.56 = -123.855989
0007666D0000000	Highway agency district 4	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 101	US 101	Toll On free road [3]	Features intersected	COLUMBIA R	
Design - main 8	Steel continuous [4] Truss - Thru [10]	Design - approach 33	Concrete [1] Mixed types [20]	Kilometerpoint 0.1 km = 0.1 mi	Year built 1966 Year reconstructed N/A [0000]
			Skew angle 0	Structure Flared	Historical significance Bridge is possibly eligible for the NRHP. [3]
Total length	2027.2 m = 6651.2 ft	Length of maximum span	375.5 m = 1232.0 ft	Deck width, out-to-out	10.1 m = 33.1 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	0 m = 0.0 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	32.7 metric ton = 36.0 tons
0 km = 0.0 mi	Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	54.4 metric ton = 59.8 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	MS 18 / HS 20 [5]



### Functional Details

Average Daily Traffic	23300	Average daily truck traffi	6	%	Year	2010	Future average daily traffic	28200	Year	2030
Road classification	Principal Arterial - Other (Rural) [02]		Lanes on structure	2	Approach roadway width	8.5 m = 27.9 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 [6]		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	326.1 m = 1069.9 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	5.23 m = 17.2 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	2.3 m = 7.5 ft				Minimum lateral underclearance on left	0.6 m = 2.0 ft				
Minimum Vertical Underclearance	99.99 m = 328.1 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]									

### 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	39906000	Roadway improvement cost	7981000						
	Length of structure improvement	2027.2 m = 6651.2 ft		Total project cost	79812000					
	Year of improvement cost estimate	2014								
	Border bridge - state	Unknown [410]			Border bridge - percent responsibility of other state	50				
	Border bridge - structure number	07949C009 00241								

## Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text" value="In place and functioning [2]"/>	Sufficiency rating	<input type="text" value="71"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="October 2013 [1013]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y36]"/>	Underwater inspection date	<input type="text" value="September 2013 [0913]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="September 2012 [0912]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>