

P2 Bridge Preservation - Replacement/Rehab Projects

2013-15 Bien Priority Array - South Central Region

(Sorted by Bridge Number)

13-15 #	Bridge Number	Bridge Name	Mile post	Region	Length	Future work Description
1	10/143	BRISTOL FILL	90.10	South Central	430	Replace Deck
19	12/720	WHETSTONE CR	372.57	South Central	21	Replace Bridge
12	241/5	MABTON-SUNNYSIDE #650	1.34	South Central	521	Rehabilitate Bridge

Total Number of Bridges = 3



Bridge Preservation Program (P2)

Bridge Replacement Form

Bridge Number: 10 / 143	Structure ID 0002222A	Bridge Name: BRISTOL FILL	Milepost: 90.10	Region: South Central
Year Built / YR Widened: 1937	Bridge Type: Steel Beam	Number of Main/Appr span 15 / 0	Sufficiency Rating: 41.75 SD	
Bridge Width (curb-curb): 24.0 ft	Bridge Length: 430 ft	Max Span: 33 ft		
Average Daily Traffic: 1,115	Truck% 11%	Number of Lanes: 2		
Vertical Clearance: NA	Detour Length (miles): 34	Appr Rdway Width: 34.0 ft		
Design Load: H 15	HS: 0.97	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 32.00	A1: 1.52	BL Load:		
Inv Rating: 19.00	A2: 1.46	CL-8 Load:		
	A3: 1.62	SA Load:		
<p align="center">Bridge Inspection Information</p> <p>Date Inspected: 6/21/2011 Structr Adequacy: 4</p> <p>Superstr Code: 5 Safe Load: 5</p> <p>Substr Code: 6 Deck Geometry: 4</p> <p>Deck Code: 3 Underclearance: 9</p> <p>Scour: N Waterway: 9</p>				
<p align="center">Proposed Bridge Replacement / Rehab Information</p> <p>New Bridge Width: 32 ft Bridge \$'s: \$1,778,000</p> <p>New Bridge Length: 430 ft. Total \$'s: \$4,348,663</p> <p>Priority Array #: 1</p> <p>PIN Number: 501002G Repl/Rehab Year: 2012</p> <p>WIN Number: E01002G Ad Date: 2/6/2012</p> <p>Contract Number: Funding Cat: P2</p>				

THIS BRIDGE IS CLASSIFIED "SD" BASED ON THE DECK CONDITION.

Deck replacement is needed based on the 80% delams found when the ACP was removed during contract 6286 in May, 2002. The cement appears to be breaking down in the concrete deck allowing aggregate to debond.

There is 8700 sq.ft. in Condition State 3 due to the chain drag survey completed in 2002. Map cracking and heavy leaching with stalactites in soffit dripping down on to the stringers and columns. Areas of rock pockets scattered throughout the soffit of the deck. Many areas of efflorescence and light pattern cracks near the floorbeams throughout.



Bridge Preservation Program (P2)

Bridge Replacement Form

Bridge Number: 12 / 720	Structure ID 0000307A	Bridge Name: WHETSTONE CREEK	Milepost: 372.57	Region: South Central
Year Built / YR Widened: 1919	Bridge Type: Concrete Slab	Number of Main/Appr span 2 / 0	Sufficiency Rating: 31.69 SD	
Bridge Width (curb-curb): 25.7 ft	Bridge Length: 21 ft	Max Span: 10 ft	 <p style="text-align: center;">Bridge Deck View</p>	
Average Daily Traffic: 2,200	Truck% 18%	Number of Lanes: 2		
Vertical Clearance: NA	Detour Length (miles): 11	Appr Rdway Width: 37.0 ft		
Design Load: Unknown	HS: 0.56	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 33.00	A1: 1.00	BL Load:	 <p style="text-align: center;">Bridge Profile View</p>	
Inv Rating: 20.00	A2: 1.00	CL-8 Load:		
	A3: 1.00	SA Load:		
Bridge Inspection Information				
Date Inspected: 2/15/2011	Structr Adequacy: 4			
Superstr Code: 7	Safe Load: 5			
Substr Code: 4	Deck Geometry: 2			
Deck Code: 7	Underclearance: 9			
Scour: 3	Waterway: 6			
Proposed Bridge Replacement / Rehab Information				
New Bridge Width: 36 ft	Bridge \$'s:			
New Bridge Length: 26 ft.	Total \$'s: \$1,123,440			
Priority Array #: 19				
PIN Number: 501210P	Repl/Rehab Year: 2022			
WIN Number:	Ad Date:			
Contract Number:	Funding Cat: P2			

THIS BRIDGE IS CLASSIFIED "SD" DUE TO THE SUBSTRUCTURE CODE.

Calculations show the bridge to be scour critical. Very old bridge with 2 feet of ACP over the bridge deck. The channel is almost all silted in which makes it difficult to inspect under the bridge. The waterway opening is too restrictive and allows water over the approach roadway during high flows. The 1996 flood flow water splashed over the concrete rail at upstream side.



Bridge Preservation Program (P2)

Bridge Replacement Form

Bridge Number: 241 / 5	Structure ID 08336200	Bridge Name: MABTON-SUNNYSIDE #650	Milepost: 1.34	Region: South Central
Year Built / YR Widened: 1954	Bridge Type: Concrete Box	Number of Main/Appr span 5 / 0	Sufficiency Rating: 10.84 SD	
Bridge Width (curb-curb): 24.0 ft	Bridge Length: 521 ft	Max Span: 114 ft		
Average Daily Traffic: 3,700	Truck% 5%	Number of Lanes: 2		
Vertical Clearance: NA	Detour Length (miles): 19	Appr Rdway Width: 32.0 ft		
Design Load: HS 20	HS: 0.43	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 13.00	A1: 0.58	BL Load:		
Inv Rating: 8.00	A2: 0.51	CL-8 Load:		
	A3: 0.57	SA Load:		
Bridge Inspection Information Date Inspected: 6/28/2010 Structr Adequacy: 2 Superstr Code: 5 Safe Load: 0 Substr Code: 6 Deck Geometry: 2 Deck Code: 7 Underclearance: 9 Scour: 5 Waterway: 8				
Proposed Bridge Replacement / Rehab Information New Bridge Width: ft Bridge \$'s: New Bridge Length: ft. Total \$'s: \$4,000,000 Priority Array #: 11 PIN Number: Repl/Rehab Year: 2018 WIN Number: Ad Date: Contract Number: Funding Cat: P2				

THIS BRIDGE IS CLASSIFIED "SD" DUE TO THE STRUCTURAL ADEQUACY CODE.

The capacity of the bridge to carry vehicular traffic is low because of its age and poor shear strength design. This bridge is currently load posted with the following ratings - Truck 14 tons , Truck/Semitrailer 18 tons , Truck/Trailer 22 tons. This bridge was built by Yakima County and transferred to the Department in 1992. It was designed for HS-15 loads but used design standards that resulted in very light shear reinforcement and low shear capacity. The cracking in the girder webs is evidence of this low shear capacity.

This project will rehabilitate the bridge by adding post-tensioning or carbon fiber to provide additional shear strength.



Special Bridge Repairs - 2013-15 Biennium - Southwest

(Sorted by Priority#)

2013-15 Priority#:	Bridge Number	Bridge Name	Milepost	Region	Repair Description	Total\$'s
48	090/180	COLUMBIA R VANTAGE	137.19	South Central	Repl poured rubber in deck jnts	\$336,000
51	012/512S	SNAKE RIVER AT BURBANK	294.51	South Central	Repair cracks in Steel Stringers	\$600,000
58	012/915	SNAKE R CLARKSTON	434.10	South Central	Mechanical Rehab	\$200,000
68	012/713	NP RY OC	367.73	South Central	Replace Conc Bridge Rail	\$220,000
77	012/915	SNAKE R CLARKSTON	434.10	South Central	Bridge Rail	\$600,000
5 Repairs					Sum of Bridge \$'s =	\$1,956,000

Special Bridge Repairs - 2013-15 Biennium - South Central

(Sorted by Bridge#)

2013-15 Priority#:	Bridge Number	Bridge Name	Milepost	Region	Repair Description	Total\$'s
51	012/512S	SNAKE RIVER AT BURBANK	294.51	South Central	Repair cracks in Steel Stringers	\$600,000
68	012/713	NP RY OC	367.73	South Central	Replace Conc Bridge Rail	\$220,000
58	012/915	SNAKE R CLARKSTON	434.10	South Central	Mechanical Rehab	\$200,000
77	012/915	SNAKE R CLARKSTON	434.10	South Central	Bridge Rail	\$600,000
48	090/180	COLUMBIA R VANTAGE	137.19	South Central	Repl poured rubber in deck jnts	\$336,000
5 Repairs					Sum of Bridge \$'s =	\$1,956,000

P2 Bridge Preservation - Moveable Bridge Projects

2013-15 Bien Priority Array

(Sorted by Priority Number)

13-15 #	Bridge Number	Bridge Name	Mile post	Region	Length	Bridge \$
10	12/915	SNAKE R CLARKSTON	434.10	South Central	1,424	\$70,000.00

Total Number of Bridges = 1



WSDOT Bridge Preservation Office
Movable Bridge Rehabilitation Recommendations

Snake River Bridge

12/915

South Central Region

Electrical

Item No	Description	Est. Cost	Date Completed
<i>Recommended By:</i> Systems Interface Inc. <i>Inspection Type:</i> In-Depth Electrical <i>Date of Recommendation:</i> 2010			
1	There are no electrical rehabilitation recommendations at this time.	\$0	
Subtotal:		\$0	

Mechanical

Item No	Description	Est. Cost	Date Completed
<i>Recommended By:</i> Steward Machine Co. <i>Inspection Type:</i> In-Depth Mechanical <i>Date of Recommendation:</i> 2010			
1	Replace all four span drive output couplings with full flex gear couplings. Also, realign the B2 bearings and adjust the SE pinion location to allow more clearance with the sheave.	\$70,000	
Subtotal:		\$70,000	

Total All: \$70,000

P2 Bridge Preservation - Concrete Deck Repair / Overlay Projects

2013-15 Bien Priority Array

(Sorted by Priority Number)



13-15 #	Bridge Number	Bridge Name	Mile post	Region	Width	Length	Total\$'s
1	82/110S	EAST SELAH OC	29.02	South Central	36.5	104	\$332,000
1	82/213S	CHANDLER CANAL BRIDGE	81.86	South Central	38.0	113	\$609,000
1	90/120N	YAKIMA R	71.26	South Central	39.3	317	\$959,000
1	90/126S	BIG CR	75.36	South Central	38.0	55	\$654,000
1	90/150S	TANEUM CR	97.27	South Central	36.5	108	\$557,000
1	90/156N	DRY CR	104.71	South Central	30.0	390	\$1,707,000
1	90/156S	DRY CR	104.71	South Central	30.0	390	\$1,707,000
2	12/329	COWICHE CR	199.21	South Central	84.0	53	\$728,000
2	82/217	I-82 OC, WINE COUNTRY RD	36.45	South Central	47.1	368	\$1,121,000
2	261/120	TUCANNON R	10.27	South Central	26.0	211	\$898,000
4	128/10	SNAKE R - RED WOLF BR	0.22	South Central	32.0	1450	\$2,102,466
5	90/154N	YAKIMA R	102.49	South Central	30.0	595	\$1,428,000
6	90/97.8N	FRANKLIN FALLS BR	51.12	South Central	52.0	700	\$2,366,000
7	90/140N	YAKIMA R	86.20	South Central	30.0	390	\$782,092
10	82/135N	BNI&UPRR OC	41.53	South Central	38.0	920	\$2,044,241
11	82/10S	SR 821 OC THRALL RD	3.22	South Central	53.2	357	\$1,408,614
13	90/154S	YAKIMA R	102.49	South Central	30.0	595	\$1,302,027
15	90/140S	YAKIMA R	86.20	South Central	30.0	390	\$1,170,000
16	90/174S	RENSLOW BR	120.92	South Central	38.0	211	\$801,800
17	90/117S	ACCESS RD OC	69.04	South Central	39.6	31	\$200,000
18	90/150N	TANEUM CR	97.27	South Central	36.5	108	\$414,750
19	90/126N	BIG CR	75.36	South Central	38.0	55	\$312,783
26	90/96.5N	DENNY CRK RD O-XING	47.96	South Central	52.0	244	\$1,015,040
28	90/97.2N	DENNY CRK VIADUCT	50.44	South Central	52.0	3620	\$12,235,600
29	82/280S	COLUMBIA R BR @ UMATILLA	132.36	South Central	27.5	3380	\$9,295,000
32	90/118N	KACHESS R	69.49	South Central	38.0	150	\$676,882
34	90/105S	COAL CR	55.15	South Central	52.0	52	\$270,400
35	90/152N	WEST SIDE CANAL	100.55	South Central	36.5	31	\$248,640
36	97/103	SATUS CR 3RD CROSSING	37.54	South Central	39.6	210	\$646,550
44	90/162N	WILSON CR	109.13	South Central	50.0	118	\$553,218
47	182/16N	COL R LEE-VOLPENTEST BR	5.87	South Central	52.0	1950	\$6,084,000
48	182/16S	COL R LEE-VOLPENTEST BR	5.87	South Central	52.0	1950	\$6,084,000
Total Number of Bridges = 32					Totals \$ =		\$60,714,103



P2 Bridge Preservation - Concrete Deck Repair / Overlay Projects

2013-15 Bien Priority Array

(Sorted by Bridge Number)



13-15 #	Bridge Number	Bridge Name	Mile post	Region	Width	Length	Total\$'s
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11	82/10S	SR 821 OC THRALL RD	3.22	South Central	53.2	357	\$1,408,614
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28	90/97.2N	DENNY CRK VIADUCT	50.44	South Central	52.0	3620	\$12,235,600
6	90/97.8N	FRANKLIN FALLS BR	51.12	South Central	52.0	700	\$2,366,000
34	90/105S	COAL CR	55.15	South Central	52.0	52	\$270,400
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1	90/120N	YAKIMA R	71.26	South Central	39.3	317	\$959,000
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48	182/16S	COL R LEE-VOLPENTEST BR	5.87	South Central	52.0	1950	\$6,084,000
2	261/120	TUCANNON R	10.27	South Central	26.0	211	\$898,000
Total Number of Bridges = 32					Totals \$ =		\$60,714,103





<p style="text-align: center;">BRIDGE DATA</p> <p>BRIDGE NUMBER: 182/16S MP: 5.87 BRIDGE NAME: COL R LEE-VOLPENTEST BR REGION: South Central YEAR BUILT / YR WIDENED: 1984 SUFFICIENCY RATING: 86.94 BRIDGE TYPE: PTCBox BRIDGE WIDTH: 52.0 ft. BRIDGE LENGTH: 1,950 ft. AVERAGE DAILY TRAFFIC: 23,550 NUMBER OF LANES: 3 SIDEWALK / CURB WIDTH: 0.0 Lt 8.0 Rt CURB HEIGHT: in</p>	<p style="text-align: center;">BRIDGE PHOTO</p> 														
<p style="text-align: center;">PAVING VERTICAL CLEARANCE</p> <p>VC to pavement under bridge: Not Available VC over bridge deck: Not Available</p>	<p style="text-align: center;">WEARING SURFACE or DECK PROTECTION</p> <p>SURFACE TYPE: LMC & ECR 1ST YEAR BRIDGE OVERLAY 1984 OVERLAY CONTRACT HISTORY</p>														
<p style="text-align: center;">BRIDGE RAIL</p> <p>BRIDGE RAIL TYPE: New Jersey Barrier RAIL MEETS CURRENT STANDARDS? YES RAIL CONTRACT HISTORY</p>	<p style="text-align: center;">BRIDGE RESURFACING / DECK COMMENTS</p> <p>The existing LMC overlay that was applied in 1984 when the bridge was constructed has over 17% of the area that sounds debounded from a chain drag survey.</p> <p>It is likely that rutting and deterioration in the overlay will require it to be removed and replaced by 2020.</p>														
<p style="text-align: center;">EXPANSION JOINTS</p> <p>There are two modular joints. No work is required at this time.</p> <p>EXPANSION JOINT CONTRACT HISTORY</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">8/6/2007</td> <td style="width:15%;">017397</td> <td style="width:70%;">REM. AND REPLACE MODULAR EXP. JT.</td> </tr> <tr> <td>4/1/2002</td> <td>016351</td> <td>REPLACE MOD JNT @ PIER6</td> </tr> </table>	8/6/2007	017397	REM. AND REPLACE MODULAR EXP. JT.	4/1/2002	016351	REPLACE MOD JNT @ PIER6									
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<p>BRG NUMBER: 182 / 016S BRIDGE DECK HMA PAVING DESIGN OPTIONS Max. Bridge HMA Depth:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DESCRIPTION</th> <th rowspan="2">PAVING CLASSIFICATION</th> <th rowspan="2">EXISTING HMA DEPTH</th> <th colspan="2">MAX. PLANE DEPTH</th> <th rowspan="2">PAVING HMA DEPTH</th> </tr> <tr> <th>PART./FULL</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td style="text-align: center;">0.13</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DESCRIPTION	PAVING CLASSIFICATION	EXISTING HMA DEPTH	MAX. PLANE DEPTH		PAVING HMA DEPTH	PART./FULL	DEPTH			0.13			
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		PART./FULL	DEPTH												
		0.13													
<p style="text-align: center;">BRIDGE CONTACTS</p> <p>Bridge Projects and Design Ron Lewis 360.705.7396 Bridge Rail/Barrier and Retrofit David Sawahata 360.705.6941 Vertical Clearance George Comstock 360.570.2540 BCRs - Brg HMA - P2 Bruce Thill 360.705.7393 Bridge Website: http://wwwi.wsdot.wa.gov/eesc/bridge/</p>	<p>See Bridge website for information on Bridge HMA Overlay Policies/Specs, Scoping, Region Design, and Construction Inspection: http://wwwi.wsdot.wa.gov/eesc/bridge/bridgeoverlays/</p> <p>REVIEWED BY: <i>Bruce Thill</i> DATE: 7/13/2011</p>														

P2 Bridge Preservation - Steel Bridge Painting Projects

2013-15 Bien Priority Array

(Sorted by Priority Number)



13-15 #	Bridge Number	Bridge Name	Mile Post	Region	Yr Work Planned	Total Project\$
11	90/180	COLUMBIA R VANTAGE	137.19	South Central	2014	\$6,963,230
17	90/97.8N	FRANKLIN FALLS BR	51.12	South Central	2018	
36	82/280S	COLUMBIA R BR @ UMATILLA	132.36	South Central	2020	\$12,000,000
42	12/328S	NACHES R NELSON	198.66	South Central	2022	\$2,100,000
43	12/328N	NACHES R NELSON	198.66	South Central	2022	\$1,185,000
44	24/105	COLUMBIA R VERNITA	43.60	South Central	2022	\$1,822,500
Total Number of Bridges = 6					Total Project \$ =	\$24,070,730



P2 Bridge Preservation - Steel Bridge Painting Projects

2013-15 Bien Priority Array

(Sorted by Bridge Number)



13-15 #	Bridge Number	Bridge Name	Mile Post	Region	Yr Work Planned	Total Project\$
43	12/328N	NACHES R NELSON	198.66	South Central	2022	\$1,185,000
42	12/328S	NACHES R NELSON	198.66	South Central	2022	\$2,100,000
44	24/105	COLUMBIA R VERNITA	43.60	South Central	2022	\$1,822,500
36	82/280S	COLUMBIA R BR @ UMATILLA	132.36	South Central	2020	\$12,000,000
17	90/97.8N	FRANKLIN FALLS BR	51.12	South Central	2018	
11	90/180	COLUMBIA R VANTAGE	137.19	South Central	2014	\$6,963,230
Total Number of Bridges = 6					Total Project \$ =	\$24,070,730



Steel Bridge Paint Form

2013-15 Biennium Priorities

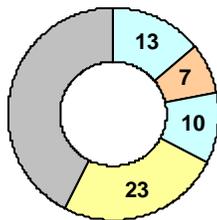


Bridge Number: 12 / 328N		Bridge Name: NACHES R NELSON		Milepost: 198.66	Region: South Central
Year Built 1958	Bridge Type: ST		Steel Span Length: 304 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 316
Paint Age: 23	Paint Color: 30277 Light Brown	Steel Surf. Area: 47,400 sqft	BMS Cond State 2: 15,000 sqft	BMS Cond State 3: 1,000 sqft	
Next Paint Year: 2022	2013-15 Rank: 43	Past Due / Due / OK Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$1,896,000

Past Paint History

Years	Cycle
1988	10
1978	7
1971	13
1958	

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Paint is peeling on all members except stringers, mostly in locations where the pigeons are. The green base paint is exposed along the top of the bottom chords. Surface rust is visible on vertical faces exposed to sunlight.
 Floorbeams - Most have rusting in the top flange. A few small areas of paint peeling scattered throughout.
 Truss - Pack rust in bottom chord splice plate L6-L7.

Steel Bridge Paint Form

2013-15 Biennium Priorities

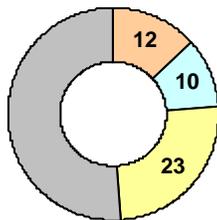


Bridge Number: 12 / 328S		Bridge Name: NACHES R NELSON		Milepost: 198.66	Region: South Central
Year Built 1966	Bridge Type: ST		Steel Span Length: 304 ft.	Width (curb-curb): 30.2 ft.	Steel Tonnage: 300
Paint Age: 23	Paint Color: 30277 Light Brown	Steel Surf. Area: 45,000 sqft	BMS Cond State 2: 20,000 sqft	BMS Cond State 3: 10,000 sqft	
Next Paint Year: 2022	2013-15 Rank: 42	Past Due / Due / OK Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$2,100,000

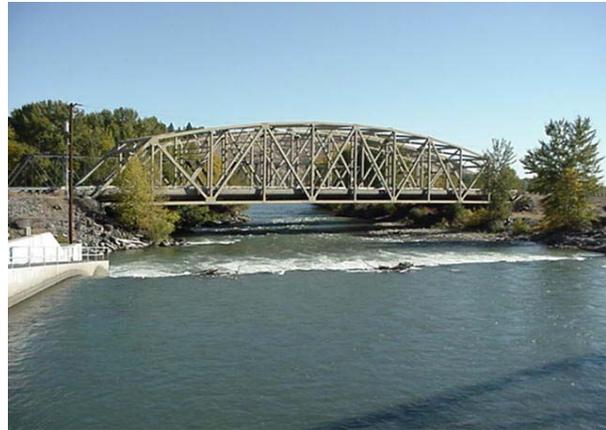
Past Paint History

Years	Cycle
1988	10
1978	12
1966	

Painting Cycle



■ = Current Paint Age



Bridge Inspector's notes:

Paint is peeling on all members except stringers, mostly in locations with pigeons guano. The green base paint is exposed along the top of the bottom chords. Surface rust is visible on vertical faces exposed to sunlight.

A paint inspection will be needed to determine if the existing paint can be overcoated or if it needs to be removed.

Steel Bridge Paint Form

2013-15 Biennium Priorities

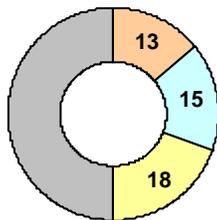


Bridge Number: 24 / 105		Bridge Name: COLUMBIA R VERNITA		Milepost: 43.60	Region: South Central
Year Built 1965	Bridge Type: ST PCB		Steel Span Length: 579 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 486
Paint Age: 18	Paint Color: Gold	30266	Steel Surf. Area: 72,900 sqft	BMS Cond State 2: 5,832 sqft	BMS Cond State 3: 1,458 sqft
Next Paint Year: 2022	2013-15 Rank: 44	Past Due / Due / OK Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$1,822,500

Past Paint History

Years	Cycle
1993	15
1978	13
1965	

Painting Cycle



= Current Paint Age



Bridge Inspection Notes:

Stringers - Bottom flanges have up to 12 square inch areas of peeling paint. A few small areas of peeled rusty paint. Some paint chips.

Bottom Chord -The paint is thin in places and has small areas of peeling; a few rusty. Rusty peeling paint in isolated areas of the bottom chord for total of 1% of area. Through Truss - There are scattered small areas of peeling paint on a few diagonals. There are small areas of thin paint on the top chord total area less than 3%. The top chord has peeling paint on the bottom side. Truss diagonals and verticals have scattered peeling rusty areas 2% of total area. Truss top laterals have peeling paint with some rust on 5% of the area. Floorbeams - There is peeling paint on the bottom flanges, and within the bottom chord, and on the lateral bracing.

Steel Bridge Paint Form

2013-15 Biennium Priorities

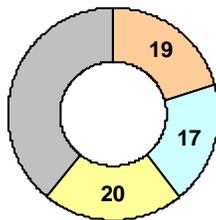


Bridge Number: 82 / 280S		Bridge Name: COLUMBIA R BR @ UMATILLA		Milepost: 132.36	Region: South Central
Year Built 1955	Bridge Type: ST SB		Steel Span Length: 3380 ft.	Width (curb-curb): 27.5 ft.	Steel Tonnage: 3,737
Paint Age: 20	Paint Color: 30318 Warm Conc Gray	Steel Surf. Area: 560,550 sqft	BMS Cond State 2: 30,000 sqft	BMS Cond State 3: 2,000 sqft	
Next Paint Year: 2020	2013-15 Rank: 36	Past Due / Due / OK Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$22,422,000

Past Paint History

Years	Cycle
1991	17
1974	19
1955	20

Painting Cycle



■ = Current Paint Age



Bridge Inspection Notes:

Truss Floor System - The truss stringer diaphragms have flaking paint top coat in many places over approximately 10% of area. Many stringers have very thin paint. Approximately 5% of the stringer area is affected. There is extensive peeling paint on the stringers in the east bays of the east truss span. The truss floor beam bottom flanges have peeled paint in 2 sq.ft. areas (approximately 2% peeling).

Truss Bottom Chord - There are areas on the bottom of the bottom chord and inside the bottom chord that have missing or peeled off top coat, amounting to approximately 5% of the total painted area. The drop in span bottom of the South bottom chord has up to 10% peeled paint. The girder cross brace chord angles have flaking top coat of paint on approximately 5% of the area.

Steel Bridge Paint Form

2013-15 Biennium Priorities

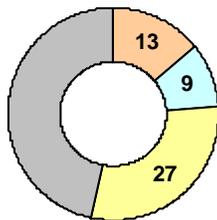


Bridge Number: 90 / 180		Bridge Name: COLUMBIA R VANTAGE		Milepost: 137.19	Region: South Central
Year Built 1962	Bridge Type: ST SA SG		Steel Span Length: 2504 ft.	Width (curb-curb): 56 ft.	Steel Tonnage: 4,063
Paint Age: 27	Paint Color: Gold	33448	Steel Surf. Area: 446,930 sqft	BMS Cond State 2: 300 sqft	BMS Cond State 3: 80 sqft
Next Paint Year: 2014	2013-15 Rank: 11	Past Due / Due / OK Past Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$6,963,230

Past Paint History

Years	Cycle
1984	9
1975	13
1962	

Painting Cycle



■ = Current Paint Age



The paint on the steel girder approaches and the upper portion of the truss was last painted in 1984. These elements still should be coded with the BMS element 901.

A 2002 project (contract 16387) painted the steel elements under the deck in the truss spans and truss elements 10' above the roadway deck. The quantity was approximately 141,400 sq ft.

The steel surface above the roadway deck and the steel girder approach spans need to be painted (271,000 sq ft). The paint in these areas can be overcoated. There are some areas of rust that will be addressed by full removal.

P2 Bridge Preservation - Seismic Retrofit

2013-15 Bien Priority Array (priority 1-100)

(Sorted by Bridge Number)

13-15 #	Bridge Number	Bridge Name	Mile post	Region	Bridge Item\$'s	Total\$'s
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Total Number of Bridges = 0

Total\$ =

\$0

\$0



WSDOT Scour Projects - 2013-15 Bien

(Sorted by Priority Number)



13-15 #	Bridge Number	Bridge Name	Length	Mile post	Region	PIN #	Year Planned	Project Total\$'s
7	410/213.25	PINUS CREEK CULVERT	9	83.07	South Central		2016	\$732,967
8	906/105	GOAL CREEK	54	2.99	South Central	590601H	2018	\$352,399
11	012/619	WALLA WALLA R	226	313.97	South Central		2018	\$573,611

Total Number of Bridges = 3

Total Bien\$'s = \$1,658,977

WSDOT Scour Projects - 2013-15 Bien

(Sorted by Bridge Number)



13-15 #	Bridge Number	Bridge Name	Length	Mile post	Region	PIN #	Year Planned	Project Total\$'s
11	012/619	WALLA WALLA R	226	313.97	South Central		2018	\$573,611
7	410/213.25	PINUS CREEK CULVERT	9	83.07	South Central		2016	\$732,967
8	906/105	COAL CREEK	54	2.99	South Central	590601H	2018	\$352,399

Total Number of Bridges = 3

Total Bien\$'s = \$1,658,977

WSDOT Bridge over Water

Scour Form

Bridge ID: 0000302A	Bridge Number: 12/619	Bridge Name: WALLA WALLA R	State Route: 12 Mile Post: 313.97	Region: South Central Cnty: Walla Walla
Year Built: 1917 Rebuilt: 1933	Span Type: CEFA	ADT: 5500 ADT Truck Pct: 20 %	Structure Length: 226 ft. Width: 29.4 ft.	main span 3 aprch: 0 Detour Length: 29 miles
Substructure Stability: Code: 2 Spread footing, continuous spans.	Streambed Material: 5 Cobbles	Scour History: Code: H History of scour problems but scour conditions are now stable.	Last Scour repair Project Yr: C#:	
Scour Code: 5	Scour Rating Description: Bridge foundations determined stable for evaluated scour conditions. Scour is within limits of footing or piles. (Figure WB 76-80B).	Substr Code: 6	sufficiency_rating: 45.45	



<p>Deficiencies:</p> <p>Scour hole at pier 2 south end of east face has large riprap in place (photo 1). Contraction scouring at the south nose of pier 3 caused by a 2' tall brush pile (photo 2). 4' vertical cut bank in the silt at the north end of pier 3. Design Plan check indicates "Solid Rock" at Piers 1 and 2, pile foundations Piers 3 and 4.</p>	First Noted: 12/22/2006
	BPO Repair List Priority: 2
	Funding - P2 or M: P2
	BPO Repair Num: 11832
<p>Recommended Action:</p> <p>BPO - A scour repair is required at Pier 3 where the pile cap is exposed full length to a depth of 4.75'.</p>	Project PIN:
	11-13 Priority Rank:
	13-15 Priority Rank: 11
<p>Total Cost Estimate: \$573,611</p>	

WSDOT Bridge over Water

Scour Form

Bridge ID: 0013504C	Bridge Number: 410/213.25	Bridge Name: PINUS CREEK CULVERT	State Route: 410 Mile Post: 83.07	Region: South Central Cnty: Yakima
Year Built: 1991 Rebuilt:	Span Type: SCulv	ADT: 440 ADT Truck Pct: 5 %	Structure Length: 9 ft. Width: 0 ft.	main span 1 aprch: 0 Detour Length: 99 miles
Substructure Stability: Code: 1 Spread footing, simple spans.	Streambed Material: 3 Gravel	Scour History: Code: H History of scour problems but scour conditions are now stable.	Last Scour repair Project Yr: C#:	
Scour Code: 5	Scour Rating Description: Bridge foundations determined stable for evaluated scour conditions. Scour is within limits of footing or piles. (Figure WB 76-80B).	Substr Code: 9	sufficiency_rating: 87.90	



Deficiencies: Channel is much wider upstream, approximately 50 ft. wide. Upstream, there are several large trees have been uprooted on both sides of the stream channel forming a significant debris blockage. Channel is directed towards the east approach and has eroded the northeast corner of the culvert up to 4 ft. vertically. The culvert has aggraded.	First Noted: 6/28/2010
	BPO Repair List Priority: 1
Recommended Action: Remove large trees blocking upstream channel. Place riprap at the northeast upstream corner to prevent further erosion of the east bank .	Funding - P2 or M: P2
	BPO Repair Num: 10001
	Project PIN:
	11-13 Priority Rank:
	13-15 Priority Rank: 7
	Total Cost Estimate: \$732,967

P2 Bridge Preservation - Misc Structures Projects

2013-15 Bien Priority Array - South Central Region

(Sorted by Priority Number)

13-15 #	Bridge Number	Bridge Name	Mile post	Region	Length	Total \$
12	SB05013	Cantilever Sign Structure	19.14	South Central	20	\$350,000

Total Number of Bridges = 1



P2 Misc Structures Program - Sign Support Structure

State Route 395	DIR N	Milepost: 19.14	Structure Number SB05013	Sign Structure Location: US395 over ramp on left side		
Year Built	Sign Structure Type: Sign Bridge		Sign Struct Length: 20.0 ft	contract Number:	County: Benton	Region: South Central
Average Daily Traffic:	Freight Route #:	Num of Lanes under: 1				
Date Inspected: 5/6/2008	Insp Freq (months): 48	Superstr Code: 5	Foundation Code: 4			
Substr Code: 5	Accessory Code: 4					
Sign Structure Design: Cantilever	Sign Structure Material: Galvanized	# of Posts: 1	# of Bolts per Post: 4			
Project Number:	2013-15 Priority#:	12				
Repair Year:	2011-13 Priority#:					
CPMS Ad Date:	Bridge \$'s:	\$150,000				
	Repair Total\$'s:	\$350,000				
Repair Description:						
Replace Cantilever Sign Support						
COMMENTS						
<p>Top horizontal z-bar with + connection to sign. Two windbeams. Aluminum wbc hardware. Vertical z-bar are torch cut across top. Top 1-1/8" x 4" upper ECC bolts threaded into plates. 1-1/4" x 5-1/4" bottom ECC bolts appear to be extending all the way through the post and sticking out other side where the structure used to be a butterfly. UTd all ECC bolts with 1/2" diameter x 2.25 MHz transducer; no indications. Top old butterfly ECC has open holes where birds nest. Cracks in end of weld in the upper beam both north and south sides at the lower corner of the plate to pipe flange connection.</p>						

