

P2 Bridge Preservation - Replacement/Rehab Projects

2013-15 Bien Priority Array

(Sorted by Priority Number)

13-15 #	Bridge Number	Bridge Name	Mile post	Region	Length	Future work Description
8	82/280S	COLUMBIA R BR @ UMATILL ^	132.36	South Central	3,380	Rehabilitate Bridge
16	12/720	WHETSTONE CR	372.57	South Central	21	Replace Bridge
22	10/142	TEANAWAY R	89.33	South Central	170	Rehabilitate Bridge

Total Number of Bridges = 3



P2 Bridge Preservation - Replacement/Rehab Projects

2013-15 Bien Priority Array

(Sorted by Bridge Number)

13-15 #	Bridge Number	Bridge Name	Mile post	Region	Length	Future work Description
22	10/142	TEANAWAY R	89.33	South Central	170	Rehabilitate Bridge
16	12/720	WHETSTONE CR	372.57	South Central	21	Replace Bridge
8	82/280S	COLUMBIA R BR @ UMATILL	132.36	South Central	3,380	Rehabilitate Bridge

Total Number of Bridges = 3



Bridge Preservation Program

Bridge Replacement Form

Bridge Number: 10 / 142	Structure ID 0001403A	Bridge Name: TEANAWAY R	Milepost: 89.33	Region: South Central
Year Built / YR Widened: 1930	Bridge Type: Steel Pony Truss	Number of Main/Appr span 1 / 2	Sufficiency Rating: 49.91 SD	
Bridge Width (curb-curb): 24.0 ft	Bridge Length: 170 ft	Max Span: 104 ft	<p align="center">Bridge Deck View</p> 	
Average Daily Traffic: 1,016	Truck% 11%	Number of Lanes: 2		
Vertical Clearance: NA	Detour Length (miles): 5	Appr Rdway Width: 36.0 ft		
Design Load: H 15	HS: 1.26	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 50.00	A1: 1.55	BL Load: 20,000	<p align="center">Bridge Profile View</p> 	
Inv Rating: 30.00	A2: 1.49	CL-8 Load: 20,000		
	A3: 1.45	SA Load: 40,000		
Bridge Inspection Information				
Date Inspected: 9/24/2012	Structr Adequacy: 5			
Superstr Code: 6	Safe Load: 5			
Substr Code: 5	Deck Geometry: 4			
Deck Code: 3	Underclearance: 9			
Scour: 3	Waterway: 6			
Proposed Bridge Replacement / Rehab Information				
New Bridge Width: 36 ft	Bridge \$'s:			
New Bridge Length: 175 ft.	Total \$'s:			
Priority Array #: 22				
PIN Number:	Repl/Rehab Year:			
WIN Number:	Ad Date:			
Contract Number:	Funding Cat:			
<p>THIS BRIDGE IS CLASSIFIED "SD" BASED ON THE DECK CONDITION.</p> <p>The deck code is a "3" based on a visual condition of the top side when a 10ft x 10ft section of the asphalt was removed in 2012. The concrete condition through out the bridge is poor. The deck code should remain a "3" until the deck is repaired or replaced.</p> <p>A review of this bridge will be made to determine the type of rehabilitation required. The concrete deck will need replacement and the concrete piers will need rehabilitation.</p>				



Bridge Preservation Program

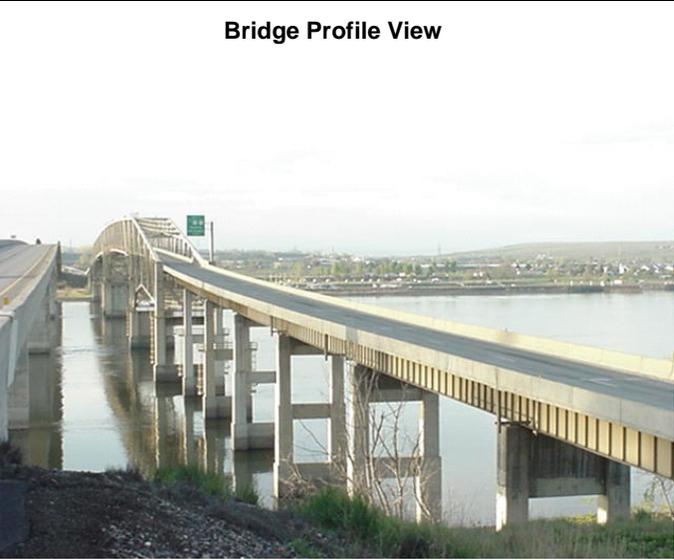
Bridge Replacement Form

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: 31.60 SD	
Bridge Width (curb-curb): 25.7 ft	Bridge Length: 21 ft	Max Span: 10 ft		
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 checked="" type="checkbox"/>		
Op Rating: 33.00	A1: 1.00	BL Load: 20,000		
Inv Rating: 20.00	A2: 1.00	CL-8 Load: 20,000		
	A3: 1.00	SA Load: 40,000		
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 #: 16				
PIN Number: 501210P	Repl/Rehab Year: 2022			
WIN Number:	Ad Date:			
Contract Number:	Funding Cat: P2			
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO THE SUBSTRUCTURE CODE.</p> <p>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.</p>				



Bridge Preservation Program

Bridge Replacement Form

Bridge Number: 82 / 280S	Structure ID 000000PD	Bridge Name: COL R BR @ UMATILLA	Milepost: 132.36	Region: South Central
Year Built / YR Widened: 1955 / 1990	Bridge Type: Steel Thru-Deck Truss	Number of Main/Appr span 5 / 15	Sufficiency Rating: 59.63 SD	
Bridge Width (curb-curb): 27.5 ft	Bridge Length: 3,380 ft	Max Span: 600 ft		
Average Daily Traffic: 8,500	Truck% 27%	Number of Lanes: 2		
Vertical Clearance: 16 FT 01 in	Detour Length (miles): 2	Appr Rdway Width: 38.0 ft		
Design Load: HS 20 + M	HS: 1.19	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 63.00	A1: 1.92	BL Load:		
Inv Rating: 38.00	A2: 1.70	CL-8 Load:		
	A3: 1.74	SA Load:		
Bridge Inspection Information				
Date Inspected: 6/6/2011	Structr Adequacy: 5			
Superstr Code: 5	Safe Load: 5			
Substr Code: 7	Deck Geometry: 2			
Deck Code: 4	Underclearance: 9			
Scour: 8	Waterway: 8			
Proposed Bridge Replacement / Rehab Information				
New Bridge Width: ft	Bridge \$'s:			
New Bridge Length: ft.	Total \$'s: \$10,000,000			
Priority Array #: 8				
PIN Number:	Repl/Rehab Year:			
WIN Number:	Ad Date:			
Contract Number:	Funding Cat: P2			
<p>THE BRIDGE IS CLASSIFIED "SD" BASED ON THE DECK CONDITION ON THE TRUSS.</p> <p>The deck on the truss span is deteriorated and in need of replacement. The cost of the project will be shared between Washington and Oregon.</p>				



P2 Bridge Preservation - Bridge Repair

2011-13 Bien Priority Array

(Sorted by Priority Number)

11-13 #	Bridge Number	Bridge Name	Region	Repair Description	Bridge Item\$'s
4	395/40	PIONEER MEM. BR	South Central	Replace Exp Joint	\$470,000
50	395/40	PIONEER MEM. BR	South Central	Replace Exp Joint	\$156,675
60	90/180	COLUMBIA R VANTAG	South Central	Repl poured rubber in deck jnts	\$168,000
68	12/512S	SNAKE RIVER AT BURBA	South Central	Repair cracks in Steel Stringers	\$400,000
80	12/713	NP RY OC	South Central	Replace Conc Bridge Rail	\$110,000
81	12/915	SNAKE R CLARKSTON	South Central	Bridge Rail	\$300,000
Total Number of Bridges = 6				Totals \$ =	\$1,604,675



P2 Bridge Preservation - Bridge Repair

2011-13 Bien Priority Array

(Sorted by Bridge Number)

11-13 #	Bridge Number	Bridge Name	Region	Repair Description	Bridge Item\$'s
68	12/512S	SNAKE RIVER AT BURBA	South Central	Repair cracks in Steel Stringers	\$400,000
80	12/713	NP RY OC	South Central	Replace Conc Bridge Rail	\$110,000
81	12/915	SNAKE R CLARKSTON	South Central	Bridge Rail	\$300,000
60	90/180	COLUMBIA R VANTAG	South Central	Repl poured rubber in deck jnts	\$168,000
4	395/40	PIONEER MEM. BR	South Central	Replace Exp Joint	\$470,000
50	395/40	PIONEER MEM. BR	South Central	Replace Exp Joint	\$156,675
Total Number of Bridges = 6				Totals \$ =	\$1,604,675



Bridge Preservation Program (P2)

Bridge Repair Form

Bridge Number: 12 / 512S	Structure ID 0012800A	Bridge Name: SNAKE RIVER AT BURBANK	Milepost: 294.51	Region: South Central
Year Built / YR Widened: 1986	Bridge Type: ST PCB	Bridge Length: 1,780 ft	Bridge Width (curb-curb): 38.0 ft	Sufficiency Rating: 82.45
Average Daily Traffic: 7,063	Truck%	Freight Route	Num of Lanes: 2	
Date Inspected: 5/2/2006	Structr Adequacy: 5	Superstr Code: 5	Safe Load: 5	
Substr Code: 5	Scour: 3	BMS Element Num: 356		
BMS Element Descr: Steel Cracking		BMS Element Quantity: 11		
Project Number:	2011-13 Priority#:	68		
Repair Year:	2009-11 Priority#:	78		
CPMS Ad Date:	Bridge \$'s:	\$400,000		
	Repair Total\$'s:	\$600,000		
				
Repair Description: Repair cracking in stringers.				
COMMENTS				
As of 10/2005 this problem is in a "No Action" status. A mitigation plan should be established.				

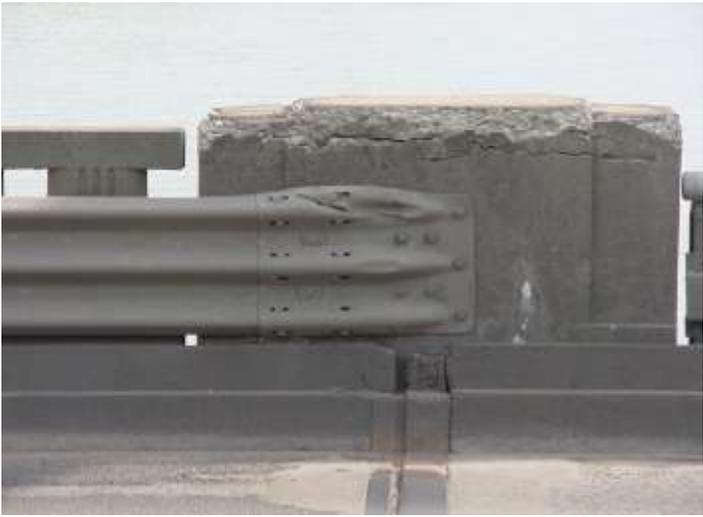
Bridge Preservation Program (P2)

Bridge Repair Form

Bridge Number: 12 / 713		Structure ID 0001687B		Bridge Name: NP RY OC		Milepost: 367.73		Region: South Central	
Year Built / YR Widened: 1933		Bridge Type: CTB		Bridge Length: 269 ft		Bridge Width (curb-curb): 26.0 ft		Sufficiency Rating: 68.43 FO	
Average Daily Traffic: 3,118		Truck% 15%		Freight Route		Num of Lanes: 2			
Date Inspected: 3/6/2007		Structr Adequacy: 6		Superstr Code: 6		Safe Load: 5			
Substr Code: 6		Scour: N		BMS Element Num: 331		BMS Element Descr: Concrete Bridge Rail			
BMS Element Quantity: 538 Feet		Project Number:		2011-13 Priority#: 80		Repair Year:			
CPMS Ad Date:		Bridge \$'s: \$110,000		Repair Total\$'s: \$220,000					
Repair Description: Replace the deteriorated concrete bridge rails.									
COMMENTS									
The existing concrete rail is deteriorated. Maintenance has covered the top rail with sheet metal. The construction details and costs should be similar to those on bridge 26/285 (C#6567) completed in 2003.									

Bridge Preservation Program (P2)

Bridge Repair Form

Bridge Number: 12 / 915		Structure ID 0002348A		Bridge Name: SNAKE R CLARKSTON		Milepost: 434.10		Region: South Central	
Year Built / YR Widened: 1939		Bridge Type: SL ST CTB		Bridge Length: 1,432 ft		Bridge Width (curb-curb): 40.0 ft		Sufficiency Rating: 44.20SD	
Average Daily Traffic: 20,518		Truck% 2%		Freight Route		Num of Lanes: 4			
Date Inspected: 7/25/2006		Structr Adequacy: 5		Superstr Code: 6		Safe Load: 5			
Substr Code: 5		Scour: 3		BMS Element Num: 331		BMS Element Descr: Concrete Bridge Rail			
BMS Element Quantity: 922 Feet		Project Number: 501212P		2011-13 Priority#: 81		Repair Year: 2009-11 Priority#: 93			
CPMS Ad Date:		Bridge \$'s: \$300,000		Repair Total\$'s: \$600,000				 	
<p>Repair Description: Replace the deteriorated concrete bridge rail on the approach spans and repair the concrete end posts.</p>									
<p style="text-align: center;">COMMENTS</p> <p>The concrete bridge rail is deteriorated with many areas of exposed reinforcing steel. The concrete end posts are exfoliated and severely cracked.</p>									

Bridge Preservation Program (P2)

Bridge Repair Form

Bridge Number: 90 / 180		Structure ID 0006533A		Bridge Name: COLUMBIA R VANTAGE		Milepost: 137.19		Region: South Central	
Year Built / YR Widened: 1962		Bridge Type: STrus SG		Bridge Length: 2,504 ft		Bridge Width (curb-curb): 56.0 ft		Sufficiency Rating: 44.71	
Average Daily Traffic: 11,916		Truck% 26%		Freight Route T1		Num of Lanes: 4			
Date Inspected: 7/11/2007		Structr Adequacy: 5		Superstr Code: 5		Safe Load: 5			
Substr Code: 6		Scour: 3							
BMS Element Num: 402		BMS Element Descr: Poured Joint Filler							
BMS Element Quantity: 2,240									
Project Number:		2011-13 Priority#:		60					
Repair Year:		2009-11 Priority#:		70					
CPMS Ad Date:		Bridge \$'s:		\$168,000					
		Repair Total\$'s:		\$336,000					
					<h2>No Photo Available</h2>				
<p>Repair Description: Replace poured joint filler in all transverse joints.</p>									
<p>COMMENTS</p> <p>Bridge Item repair cost based on \$75 / ft. Total Project cost based on \$150 / ft.</p>									

Bridge Number: 395 / 40		Structure ID 0004195A		Bridge Name: PIONEER MEM. BR		Milepost: 18.59		Region: South Central	
Year Built / YR Widened: 1954 / 1986		Bridge Type: STrus SG PCS		Bridge Length: 2,521 ft		Bridge Width (curb-curb): 63.3 ft		Sufficiency Rating: 59.21 FO	
Average Daily Traffic: 42,446		Truck%: 7%		Freight Route: T1		Num of Lanes: 4			
Date Inspected: 10/26/2006		Structr Adequacy: 5		Superstr Code: 6		Safe Load: 5			
Substr Code: 6		Scour: 3							
BMS Element Num: 416		BMS Element Descr: Modular Expansion Joint				BMS Element Quantity: 188			
Project Number:		2011-13 Priority#: 4		Repair Year: 2012		2009-11 Priority#: 7			
CPMS Ad Date:		Bridge \$'s: \$470,000		Repair Total\$'s: \$940,000					
									
<p>Repair Description: Replace modular expansion joints @ 3 locations installed in 1986.</p>									
<p>COMMENTS</p>									
<p>The SC Region has noted recurring failure with the modular expansion joints on the Blue Bridge. The bolts holding the longitudinal bars to the support bars either shear off or become loose and back out due to wear, age, and obsolete design. Current design on similar joint requires almost twice as many support bars significantly reducing strain on the longitudinal bars. Repairs require the closure of all lanes, either north or south depending on the joint being repaired. The repairs require a UBIT to access the bottom of the joint. Current repair costs are between \$12-20,000 per repair. Since 1992 when the problem was first discovered 8 repairs have been required at the 4 joints. Bridge Item cost based on \$2,500 / ft. Total project cost based on \$5,000 / ft.</p>									

Bridge Preservation Program (P2)

Bridge Repair Form

Bridge Number: 395 / 40		Structure ID 0004195A		Bridge Name: PIONEER MEM. BR		Milepost: 18.59		Region: South Central	
Year Built / YR Widened: 1954 / 1986		Bridge Type: STrus SG PCS		Bridge Length: 2,521 ft		Bridge Width (curb-curb): 63.3 ft		Sufficiency Rating: 59.21 FO	
Average Daily Traffic: 42,446		Truck%: 7%		Freight Route:		Num of Lanes: 4			
Date Inspected: 10/26/2006		Structr Adequacy: 5		Superstr Code: 6		Safe Load: 5			
Substr Code: 6		Scour: 3		BMS Element Num: 402		BMS Element Descr: Poured Joint Filler			
BMS Element Quantity: 2,089		Project Number:		2011-13 Priority#: 50		Repair Year:			
CPMS Ad Date:		2009-11 Priority#: 59		Bridge \$'s: \$156,675		Repair Total\$'s: \$313,350			
<p>Repair Description: Replace poured joint filler in joints through the arch span.</p>									
<p>COMMENTS</p>									
<p>Bridge Item cost based on \$75 / ft. Total project cost based on \$150 / ft.</p>									

P2 Bridge Preservation - Concrete Deck Repair / Overlay Projects

2011-13 Bien Priority Array

(Sorted by Priority Number)



09-11 #	Bridge Number	Bridge Name	Mile post	Region	Bridge Item\$'s	Total\$'s
4	90/156S	DRY CR	104.71	South Central	\$307,153	\$782,092
5	90/126S	BIG CR	75.36	South Central	\$169,830	\$431,146
6	90/150S	TANEUM CR	97.27	South Central	\$144,662	\$414,750
8	90/156N	DRY CR	104.71	South Central	\$307,153	\$782,092
9	90/120N	YAKIMA R	71.26	South Central	\$487,840	\$1,059,942
10	82/213S	CHANDLER CANAL BRIDGE	81.86	South Central	\$139,798	\$438,075
11	82/110S	EAST SELAH OC	29.02	South Central	\$220,444	\$548,041
12	261/120	TUCANNON R	10.27	South Central	\$151,642	\$469,802
13	12/329	COWICHE CR	199.21	South Central	\$208,720	\$565,887
22	90/126N	BIG CR	75.36	South Central	\$104,217	\$312,783
23	90/140N	YAKIMA R	86.20	South Central	\$307,153	\$782,092
24	90/150N	TANEUM CR	97.27	South Central	\$144,662	\$414,750
25	90/152N	WEST SIDE CANAL	100.55	South Central	\$74,931	\$248,640
26	90/152S	WEST SIDE CANAL	100.55	South Central	\$80,910	\$264,904
27	90/162N	WILSON CR	109.13	South Central	\$197,935	\$553,218
32	128/10	SNAKE R - RED WOLF BR	0.22	South Central	\$906,946	\$2,102,466
35	82/217	I-82 OC, WINE COUNTRY RD	82.34	South Central	\$398,245	\$1,062,323
37	90/118N	KACHESS R	69.49	South Central	\$294,920	\$676,882
38	90/154S	YAKIMA R	102.49	South Central	\$618,666	\$1,302,027
39	82/135N	BNI&UPRR OC	41.53	South Central	\$1,042,137	\$2,044,241
41	82/10S	SR 821 OC THRALL RD	3.22	South Central	\$621,954	\$1,408,614
46	97/103	SATUS CR 3RD CROSSING	37.46	South Central	\$220,573	\$646,550
58	90/97.2N	DENNY CRK VIADUCT	50.44	South Central	\$4,282,390	\$6,462,669
Total Number of Bridges = 23				Totals \$ =	\$11,432,880	\$23,773,985

P2 Bridge Preservation - Concrete Deck Repair / Overlay Projects

2011-13 Bien Priority Array

(Sorted by Bridge Number)



09-11 #	Bridge Number	Bridge Name	Mile post	Region	Bridge Item\$'s	Total\$'s
13	12/329	COWICHE CR	199.21	South Central	\$208,720	\$565,887
41	82/10S	SR 821 OC THRALL RD	3.22	South Central	\$621,954	\$1,408,614
11	82/110S	EAST SELAH OC	29.02	South Central	\$220,444	\$548,041
39	82/135N	BNI&UPRR OC	41.53	South Central	\$1,042,137	\$2,044,241
10	82/213S	CHANDLER CANAL BRIDGE	81.86	South Central	\$139,798	\$438,075
35	82/217	I-82 OC, WINE COUNTRY RD	82.34	South Central	\$398,245	\$1,062,323
58	90/97.2N	DENNY CRK VIADUCT	50.44	South Central	\$4,282,390	\$6,462,669
37	90/118N	KACHESS R	69.49	South Central	\$294,920	\$676,882
9	90/120N	YAKIMA R	71.26	South Central	\$487,840	\$1,059,942
22	90/126N	BIG CR	75.36	South Central	\$104,217	\$312,783
5	90/126S	BIG CR	75.36	South Central	\$169,830	\$431,146
23	90/140N	YAKIMA R	86.20	South Central	\$307,153	\$782,092
24	90/150N	TANEUM CR	97.27	South Central	\$144,662	\$414,750
6	90/150S	TANEUM CR	97.27	South Central	\$144,662	\$414,750
25	90/152N	WEST SIDE CANAL	100.55	South Central	\$74,931	\$248,640
26	90/152S	WEST SIDE CANAL	100.55	South Central	\$80,910	\$264,904
38	90/154S	YAKIMA R	102.49	South Central	\$618,666	\$1,302,027
8	90/156N	DRY CR	104.71	South Central	\$307,153	\$782,092
4	90/156S	DRY CR	104.71	South Central	\$307,153	\$782,092
27	90/162N	WILSON CR	109.13	South Central	\$197,935	\$553,218
46	97/103	SATUS CR 3RD CROSSING	37.46	South Central	\$220,573	\$646,550
32	128/10	SNAKE R - RED WOLF BR	0.22	South Central	\$906,946	\$2,102,466
12	261/120	TUCANNON R	10.27	South Central	\$151,642	\$469,802
Total Number of Bridges = 23				Totals \$ =	\$11,432,880	\$23,773,985



BRIDGE NUMBER: 12 / 329	BRIDGE NAME: COWICHE CR	REGION: South Central	MILEPOST: 199.21
YEAR BUILT / YR WIDENED: 1932	CONTRACT NO.(S): 01603 , 08846 , 16318	SUFFICIENCY RATING: 81.71	
BRIDGE TYPE: CTB DECK TYPE: Conc cast-in-place DECK THICKNESS: 8.0 in. (Main Span)	BRIDGE WIDTH (curb-curb): 84.0 ft. BRIDGE LENGTH: 53 ft. AVERAGE DAILY TRAFFIC (ADT): 19,788 NUMBER OF LANES: 4	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Orig with ACP membrane Year Applied - 1972 Overlay Thickness - 3.0 inches	
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 70.6 Conc Base - Type 1B w/Thrie Beam RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.1 Lt 0.1 Rt			
EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro	
		RESURFACING COMMENT The original structure requires rehabilitation. We recommend a hydromill the original deck and place a modified concrete overlay.	
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 2/22/2010



BRIDGE NUMBER: 82 / 10S	BRIDGE NAME: SR 821 OC THRALL RD	REGION: South Central	MILEPOST: 3.22
YEAR BUILT / YR WIDENED: 1970	CONTRACT NO.(S): 08672 , 12857 , 16531	SUFFICIENCY RATING: 91.18 SD	
BRIDGE TYPE: PCG DECK TYPE: Conc cast-in-place DECK THICKNESS: 9.5 in. (Main Span)	BRIDGE WIDTH (curb-curb): 53.2 ft. BRIDGE LENGTH: 357 ft. AVERAGE DAILY TRAFFIC (ADT): 8,040 NUMBER OF LANES: 3	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Original Concrete	
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 73.2 Conc Base - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.7 Lt 0.7 Rt			
EXPANSION JOINTS Compression seals at the ends of the bridge may need to be replaced.		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Mill Hydro	
		RESURFACING COMMENT A 3 inch reinforced concrete overlay was added to the existing 6.5 inch concrete deck during the original construction in 1970 due to problems with the original deck. The polymer overlay was added in 1985 as an experiment and removed by contract in 2003. We recommend placing a 1.5" modified concrete overlay by rotomilling 1" and hydromilling 0.5".	
REVIEWED BY: Bruce Thill		DATE: 2/22/2010	



BRIDGE NUMBER: 82 / 110S		BRIDGE NAME: EAST SELAH OC		REGION: South Central	MILEPOST: 29.02
YEAR BUILT / YR WIDENED: 1967		CONTRACT NO.(S): 08089		SUFFICIENCY RATING: 92.06	
BRIDGE TYPE: CS			EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete		
DECK TYPE: Conc cast-in-place					
DECK THICKNESS: (Main Span) 18.0 in.					
BRIDGE WIDTH (curb-curb): 36.5 ft.		BRIDGE LENGTH: 104 ft.			
AVERAGE DAILY TRAFFIC (ADT): 9,192		NUMBER OF LANES: 2			
VERTICAL CLEARANCE					
VC Type: NA					
BRIDGE RAIL					
BRIDGE RAIL TYPE: Conc Base - Type R					
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.8 Lt 0.8 Rt			
EXPANSION JOINTS			DECK PROTECTIVE SYSTEM RECOMMENDATIONS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			PROTECTIVE OVERLAY RECOMMENDED?: Yes		
			TYPE RECOMMENDED: Mod Conc		
			COMMENTS: Bridge Inspection results indicate nearly 3.6% of the existing concrete deck is deteriorated. We recommend hydromilling and applying a 1.5" modified concrete overlay.		
			REVIEWED BY: <i>Bruce Thill</i>		DATE: 2/26/2010



BRIDGE NUMBER: 82 / 135N	BRIDGE NAME: BNI&UPRR OC	REGION: South Central	MILEPOST: 41.53
YEAR BUILT / YR WIDENED: 1979	CONTRACT NO.(S): 11449	SUFFICIENCY RATING: 88.77 SD	
BRIDGE TYPE: PCG DECK TYPE: Conc cast-in-place DECK THICKNESS: (Main Span) 7.0 in. BRIDGE WIDTH (curb-curb): 38.0 ft. BRIDGE LENGTH: 920 ft. AVERAGE DAILY TRAFFIC (ADT): 11,689 NUMBER OF LANES: 2		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Original Conc. & ECR	
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: New Jersey Barrier RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt			
EXPANSION JOINTS Coordinate with your Region's Maintenance Office to determine if any repairs are required.		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: Yes TYPE RECOMMENDED: Mod Conc COMMENTS: Bridge Inspection results indicate nearly 2.5% of the existing concrete deck is deteriorated. We recommend hydromilling and applying a 1.5" modified concrete overlay.	
REVIEWED BY: <i>Bruce Thill</i>		DATE: 2/26/2010	



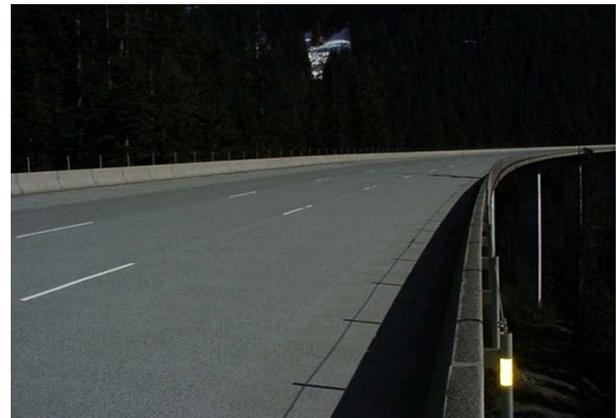
BRIDGE NUMBER: 82 / 213S	BRIDGE NAME: CHANDLER CANAL BRIDGE	REGION: South Central	MILEPOST: 81.86
YEAR BUILT / YR WIDENED: 1977	CONTRACT NO.(S): 10534	SUFFICIENCY RATING: 94.23 SD	
BRIDGE TYPE: PCG DECK TYPE: Conc cast-in-place DECK THICKNESS: 0.0 in. <small>(Main Span)</small> BRIDGE WIDTH (curb-curb): 38.0 ft. BRIDGE LENGTH: 113 ft. AVERAGE DAILY TRAFFIC (ADT): 7,714 NUMBER OF LANES: 2		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <p style="text-align: center;">original concrete</p>	
VERTICAL CLEARANCE VC Type: <p style="text-align: center;">NA</p>			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 60 <p style="text-align: center;">New Jersey Barrier</p> RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt			
EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro RESURFACING COMMENT Bridge Inspection reports indicate the deck is more than 5% deteriorated. We recommend 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.	
REVIEWED BY: <p style="text-align: center;"><i>Bruce Thill</i></p>		DATE: <p style="text-align: center;">2/22/2010</p>	



BRIDGE NUMBER: 82 / 217	BRIDGE NAME: I-82 OC, WINE COUNTRY RD	REGION: South Central	MILEPOST: 82.34
YEAR BUILT / YR WIDENED: 1978	CONTRACT NO.(S): 10534	SUFFICIENCY RATING: 97.00 SD	
BRIDGE TYPE: PCG DECK TYPE: Conc cast-in-place DECK THICKNESS: 7.5 in. (Main Span)		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
BRIDGE WIDTH (curb-curb): 47.1 ft.	BRIDGE LENGTH: 368 ft.		
AVERAGE DAILY TRAFFIC (ADT): 6,620	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 60 New Jersey Barrier			
RAIL MEETS CURRENT STANDARDS?: YES	SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt		
EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro	
		RESURFACING COMMENT Bridge Inspection reports indicate the deck is more than 5% deteriorated. We recommend 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.	
		REVIEWED BY: Bruce Thill	DATE: 2/22/2010



BRIDGE NUMBER: 90 / 97.2N		BRIDGE NAME: DENNY CRK VIADUCT		REGION: South Central	MILEPOST: 50.44
YEAR BUILT / YR WIDENED: 1981		CONTRACT NO.(S): 10200 , 11882			SUFFICIENCY RATING: 78.55
BRIDGE TYPE: POBX		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: LMC Overlay			
DECK TYPE: Conc cast-in-place		Year Applied - 1980			
DECK THICKNESS: (Main Span) 10.0 in.		Overlay Thickness - 1.5 inches			
BRIDGE WIDTH (curb-curb): 52.0 ft.		BRIDGE LENGTH: 3,620 ft.			
AVERAGE DAILY TRAFFIC (ADT): 15,279		NUMBER OF LANES: 3			
VERTICAL CLEARANCE					
VC Type: NA					
BRIDGE RAIL					
BRIDGE RAIL TYPE: New Jersey Barrier					
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt			
EXPANSION JOINTS					
Coordinate with your Region's Maintenance Office to determine if any repairs are required.					
DECK PROTECTIVE SYSTEM RECOMMENDATIONS					
PROTECTIVE OVERLAY RECOMMENDED?: Yes		TYPE RECOMMENDED: Mod Conc			
COMMENTS: Bridge Inspection results indicate nearly 1.0% of the existing concrete deck is deteriorated. We recommend hydromilling and applying a 1.5" modified concrete overlay.					
REVIEWED BY: Bruce Thill				DATE: 2/26/2010	





BRIDGE NUMBER: 90 / 118N		BRIDGE NAME: KACHESS R		REGION: South Central		MILEPOST: 69.49	
YEAR BUILT / YR WIDENED: 1958		CONTRACT NO.(S): 05702 , 12857			SUFFICIENCY RATING: 92.30		
BRIDGE TYPE: CVS DECK TYPE: Conc cast-in-place DECK THICKNESS: 23.0 in. <small>(Main Span)</small>				EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <p style="text-align: center;">LMC Overlay</p> <p style="text-align: center;">Year Applied - 1985</p> <p style="text-align: center;">Overlay Thickness - 1.5 inches</p>			
BRIDGE WIDTH (curb-curb): 38.0 ft.		BRIDGE LENGTH: 150 ft.					
AVERAGE DAILY TRAFFIC (ADT): 14,037		NUMBER OF LANES: 2					
VERTICAL CLEARANCE							
VC Type: NA							
BRIDGE RAIL							
BRIDGE RAIL TYPE: WSDOT CODE - 60 New Jersey Barrier							
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt					
EXPANSION JOINTS				DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
				PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro			
				RESURFACING COMMENT Bridge Inspection reports indicate the deck overlay is deteriorated. A P2 project will remove the LMC overlay by 1" rotomill, 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay. Rapid Set LMC may be considered to minimize traffic closure.			
				REVIEWED BY: Bruce Thill		DATE: 2/22/2010	



BRIDGE NUMBER: 90 / 120N		BRIDGE NAME: YAKIMA R		REGION: South Central		MILEPOST: 71.26	
YEAR BUILT / YR WIDENED: 1959		CONTRACT NO.(S): 05872 , 12857 , 14902				SUFFICIENCY RATING: 88.53 SD	
BRIDGE TYPE: CBox DECK TYPE: Conc cast-in-place DECK THICKNESS: (Main Span) 6.5 in.				EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: LMC Overlay Year Applied - 1985 Overlay Thickness - 1.5 inches			
BRIDGE WIDTH (curb-curb): 39.3 ft.		BRIDGE LENGTH: 317 ft.					
AVERAGE DAILY TRAFFIC (ADT): 13,826		NUMBER OF LANES: 2					
VERTICAL CLEARANCE VC Type: NA							
BRIDGE RAIL BRIDGE RAIL TYPE: New Jersey Barrier RAIL MEETS CURRENT STANDARDS?: YES				SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt			
EXPANSION JOINTS Coordinate with your Region's Maintenance Office to determine if any repairs are required.				DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: Yes TYPE RECOMMENDED: Mod Conc COMMENTS: Bridge Inspection results indicate nearly 8.0% of the existing concrete overlay and deck is deteriorated. We recommend removing the existing LMC and using a hydromill and applying a 1.5" modified concrete overlay.			
REVIEWED BY: Bruce Thill				DATE: 2/26/2010			



BRIDGE NUMBER: 90 / 126N	BRIDGE NAME: BIG CR	REGION: South Central	MILEPOST: 75.36
YEAR BUILT / YR WIDENED: 1962	CONTRACT NO.(S): 07016 , 12459 , 15306	SUFFICIENCY RATING: 93.62 SD	
BRIDGE TYPE: CS DECK TYPE: Conc cast-in-place DECK THICKNESS: (Main Span) in.		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Low Slump Mod Conc Year Applied - 1983 Overlay Thickness - 2.0 inches	
BRIDGE WIDTH (curb-curb): 38.0 ft.	BRIDGE LENGTH: 55 ft.		
AVERAGE DAILY TRAFFIC (ADT): 13,822	NUMBER OF LANES: 2		
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: Conc Base - Type 1B w/Thrie Beam RAIL MEETS CURRENT STANDARDS?: YES		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: Yes	
EXPANSION JOINTS		TYPE RECOMMENDED: Mod Conc COMMENTS: Bridge Inspection results indicate nearly 9.0% of the existing concrete overlay and deck is deteriorated. We recommend removing the existing LMC and using a hydromill and applying a 1.5" modified concrete overlay.	
REVIEWED BY: <i>Bruce Thill</i>		DATE: 2/26/2010	



BRIDGE NUMBER: 90 / 126S	BRIDGE NAME: BIG CR	REGION: South Central	MILEPOST: 75.36
YEAR BUILT / YR WIDENED: 1973	CONTRACT NO.(S): 09428	SUFFICIENCY RATING: 92.62 SD	
BRIDGE TYPE: CS DECK TYPE: Conc cast-in-place DECK THICKNESS: in. <small>(Main Span)</small> BRIDGE WIDTH (curb-curb): 38.0 ft. BRIDGE LENGTH: 55 ft. AVERAGE DAILY TRAFFIC (ADT): 13,822 NUMBER OF LANES: 2		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 63 New Jersey - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt			
EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: Rapid Set LMC Overlay RESURFACING COMMENT Bridge Inspection reports indicate the deck is over 5% deteriorated. We recommend 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.	
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 2/22/2010



BRIDGE NUMBER: 90 / 140N	BRIDGE NAME: YAKIMA R	REGION: South Central	MILEPOST: 86.20
YEAR BUILT / YR WIDENED: 1965	CONTRACT NO.(S): 07582 , 13438 , 15306	SUFFICIENCY RATING: 81.50	
BRIDGE TYPE: CBOX DECK TYPE: Conc cast-in-place DECK THICKNESS: (Main Span) 6.5 in.		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <p style="text-align: center;">LMC Overlay Year Applied - 1989 Overlay Thickness - 1.5 inches</p>	
BRIDGE WIDTH (curb-curb): 30.0 ft.	BRIDGE LENGTH: 390 ft.		
AVERAGE DAILY TRAFFIC (ADT): 12,827	NUMBER OF LANES: 2		
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: Conc Base - Type 1B w/Thrie Beam RAIL MEETS CURRENT STANDARDS?: YES		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: Yes TYPE RECOMMENDED: Mod conc	
EXPANSION JOINTS Coordinate with your Region's Maintenance Office to determine if any repairs are required.		COMMENTS: Bridge Inspection results indicate nearly 5.0% of the existing concrete overlay and deck is deteriorated. We recommend removing the existing LMC and using a hydromill and applying a 1.5" modified concrete overlay.	
REVIEWED BY: <i>Bruce Thill</i>		DATE: 2/26/2010	



BRIDGE NUMBER: 90 / 150N	BRIDGE NAME: TANEUM CR	REGION: South Central	MILEPOST: 97.27
YEAR BUILT / YR WIDENED: 1965	CONTRACT NO.(S): 07724 , 14902	SUFFICIENCY RATING: 91.74 SD	
BRIDGE TYPE: PCB DECK TYPE: Conc cast-in-place DECK THICKNESS: 5.8 in. <small>(Main Span)</small> BRIDGE WIDTH (curb-curb): 36.5 ft. BRIDGE LENGTH: 108 ft. AVERAGE DAILY TRAFFIC (ADT): 12,472 NUMBER OF LANES: 2		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <p style="text-align: center;">Low Slump Mod Conc Year Applied - 1983 Overlay Thickness - 2.0 inches</p>	
<p style="text-align: center;">VERTICAL CLEARANCE</p> VC Type: <p style="text-align: center;">NA</p>			
<p style="text-align: center;">BRIDGE RAIL</p> BRIDGE RAIL TYPE: WSDOT CODE - 73.2 <p style="text-align: center;">Conc Base - Type R</p> RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.8 Lt 0.8 Rt			
<p style="text-align: center;">EXPANSION JOINTS</p>		<p style="text-align: center;">DECK PROTECTIVE SYSTEM RECOMMENDATIONS</p> PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro <p style="text-align: center;">RESURFACING COMMENT</p> Bridge Inspection reports indicate the deck overlay is more than 10% deteriorated. We recommend 1.0" rotomill, 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.	
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 2/22/2010



BRIDGE NUMBER: 90 / 150S		BRIDGE NAME: TANEUM CR		REGION: South Central		MILEPOST: 97.27	
YEAR BUILT / YR WIDENED: 1965		CONTRACT NO.(S): 07724 , 14902			SUFFICIENCY RATING: 90.74 SD		
BRIDGE TYPE: PCG DECK TYPE: Conc cast-in-place DECK THICKNESS: 5.8 in. (Main Span) BRIDGE WIDTH (curb-curb): 36.5 ft. BRIDGE LENGTH: 108 ft. AVERAGE DAILY TRAFFIC (ADT): 12,472 NUMBER OF LANES: 2				EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Low Slump Mod Conc Year Applied - 1983 Overlay Thickness - 2.0 inches			
VERTICAL CLEARANCE VC Type: NA							
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 73.2 Conc Base - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.8 Lt 0.8 Rt							
EXPANSION JOINTS				DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro RESURFACING COMMENT Bridge Inspection reports indicate the deck overlay is more than 10% deteriorated. We recommend 1.0" rotomill, 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.			
REVIEWED BY: <i>Bruce Thill</i>				DATE: 2/22/2010			



BRIDGE NUMBER: 90 / 152N	BRIDGE NAME: WEST SIDE CANAL	REGION: South Central	MILEPOST: 100.55
YEAR BUILT / YR WIDENED: 1966	CONTRACT NO.(S): 07904 , 12459	SUFFICIENCY RATING: 88.69 SD	
BRIDGE TYPE: CS DECK TYPE: Conc cast-in-place DECK THICKNESS: 12.0 in. (Main Span)	BRIDGE WIDTH (curb-curb): 36.5 ft. BRIDGE LENGTH: 31 ft. AVERAGE DAILY TRAFFIC (ADT): 12,472 NUMBER OF LANES: 2	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Low Slump Mod Conc Year Applied - 1983 Overlay Thickness - 2.0 inches	
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 73.2 Conc Base - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.7 Lt 0.7 Rt			
EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro	
		RESURFACING COMMENT Bridge Inspection reports indicate the deck overlay is more than 10% deteriorated. We recommend 1.0" rotomill, 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.	
		REVIEWED BY: Bruce Thill	DATE: 2/22/2010



BRIDGE NUMBER: 90 / 152S	BRIDGE NAME: WEST SIDE CANAL	REGION: South Central	MILEPOST: 100.55
YEAR BUILT / YR WIDENED: 1966	CONTRACT NO.(S): 07904 , 12459	SUFFICIENCY RATING: 86.66 SD	
BRIDGE TYPE: CS DECK TYPE: Conc cast-in-place DECK THICKNESS: 12.0 in. (Main Span)	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Low Slump Mod Conc Year Applied - 1983 Overlay Thickness - 2.0 inches		
BRIDGE WIDTH (curb-curb): 36.5 ft. BRIDGE LENGTH: 38 ft. AVERAGE DAILY TRAFFIC (ADT): 12,472 NUMBER OF LANES: 2			
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 73.2 Conc Base - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.5 Lt 0.5 Rt			
EXPANSION JOINTS	DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro RESURFACING COMMENT Exclude this bridge from resurfacing projects.		
	REVIEWED BY: Bruce Thill	DATE: 2/22/2010	



BRIDGE NUMBER: 90 / 154S	BRIDGE NAME: YAKIMA R	REGION: South Central	MILEPOST: 102.49
YEAR BUILT / YR WIDENED: 1967	CONTRACT NO.(S): 08010 , 12857 , 14632	SUFFICIENCY RATING: 79.43	
BRIDGE TYPE: CBOX DECK TYPE: Conc cast-in-place DECK THICKNESS: (Main Span) 6.5 in.		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <p style="text-align: center;">LMC Overlay Year Applied - 1985 Overlay Thickness - 1.5 inches</p>	
BRIDGE WIDTH (curb-to-curb): 30.0 ft.	BRIDGE LENGTH: 595 ft.		
AVERAGE DAILY TRAFFIC (ADT): 13,390	NUMBER OF LANES: 2		
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
BRIDGE RAIL TYPE: Conc Base - Type R			
RAIL MEETS CURRENT STANDARDS?: YES	SIDEWALK / CURB WIDTH: 1.5 Lt 1.5 Rt		
EXPANSION JOINTS		PROTECTIVE OVERLAY RECOMMENDED?: <div style="display: flex; justify-content: space-around;"> Yes </div>	
Coordinate with your Region's Maintenance Office to determine if any repairs are required.		TYPE RECOMMENDED: Mod Conc	
		COMMENTS: Bridge Inspection results indicate nearly 2.0% of the existing concrete overlay and deck is deteriorated. We recommend removing the existing LMC and using a hydromill and applying a 1.5" modified concrete overlay.	
		REVIEWED BY: <i>Bruce Thill</i>	
		DATE: 2/26/2010	



BRIDGE NUMBER: 90 / 156N		BRIDGE NAME: DRY CR		REGION: South Central		MILEPOST: 104.71	
YEAR BUILT / YR WIDENED: 1967		CONTRACT NO.(S): 08036 , 13131 , 15126			SUFFICIENCY RATING: 76.31 SD		
BRIDGE TYPE: CBOX DECK TYPE: Conc cast-in-place DECK THICKNESS: 6.5 in. (Main Span) BRIDGE WIDTH (curb-to-curb): 30.0 ft. BRIDGE LENGTH: 390 ft. AVERAGE DAILY TRAFFIC (ADT): 13,390 NUMBER OF LANES: 2				EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: LMC Overlay Year Applied - 1986 Overlay Thickness - 1.5 inches			
VERTICAL CLEARANCE VC Type: NA				 <p>SR: 090 MAINLINE, MP: 104.78, 08/26/1999, 17:57:42</p>			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 73.2 Conc Base - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 1.4 Lt 1.4 Rt							
EXPANSION JOINTS				DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro RESURFACING COMMENT Bridge Inspection reports indicate the deck overlay is more than 10% deteriorated. We recommend 1.0" rotomill, 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.			
				REVIEWED BY: <i>Bruce Thill</i>		DATE: 2/22/2010	



BRIDGE NUMBER: 90 / 156S	BRIDGE NAME: DRY CR	REGION: South Central	MILEPOST: 104.71
YEAR BUILT / YR WIDENED: 1967	CONTRACT NO.(S): 08036 , 13131 , 15126	SUFFICIENCY RATING: 75.31 SD	
BRIDGE TYPE: CBox DECK TYPE: Conc cast-in-place DECK THICKNESS: 6.5 in. <small>(Main Span)</small> BRIDGE WIDTH (curb-curb): 30.0 ft. BRIDGE LENGTH: 390 ft. AVERAGE DAILY TRAFFIC (ADT): 13,390 NUMBER OF LANES: 2		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <p style="text-align: center;">LMC Overlay Year Applied - 1986 Overlay Thickness - 1.5 inches</p>	
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 73.2 Conc Base - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 1.5 Lt 1.5 Rt		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro	
EXPANSION JOINTS Coordinate with your Region's Maintenance Office to determine if any repairs are required.		RESURFACING COMMENT Bridge Inspection reports indicate the deck overlay is more than 10% deteriorated. We recommend 1.0" rotomill, 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.	
REVIEWED BY: <i>Bruce Thill</i>		DATE: 2/22/2010	



BRIDGE NUMBER: 90 / 162N		BRIDGE NAME: WILSON CR		REGION: South Central		MILEPOST: 109.13	
YEAR BUILT / YR WIDENED: 1967		CONTRACT NO.(S): 08200 , 12068 , 14249			SUFFICIENCY RATING: 91.66		
BRIDGE TYPE: CS DECK TYPE: Conc cast-in-place DECK THICKNESS: 19.0 in. (Main Span) BRIDGE WIDTH (curb-curb): 50.0 ft. BRIDGE LENGTH: 118 ft. AVERAGE DAILY TRAFFIC (ADT): 13,093 NUMBER OF LANES: 3				EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Low Slump Mod Conc Year Applied - 1981 Overlay Thickness - 2.0 inches			
<p style="text-align: center;">VERTICAL CLEARANCE</p> VC Type: NA							
<p style="text-align: center;">BRIDGE RAIL</p> BRIDGE RAIL TYPE: WSDOT CODE - 73.2 Conc Base - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt							
<p style="text-align: center;">EXPANSION JOINTS</p>				<p style="text-align: center;">DECK PROTECTIVE SYSTEM RECOMMENDATIONS</p> PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Plane <p style="text-align: center;">RESURFACING COMMENT</p> Bridge Inspection reports indicate the deck overlay is more than 8% deteriorated. Cracks in the concrete overlay were filled with a MMA crack sealer in 1993 under contract 14249. We recommend 1.0" rotomill, 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.			
				REVIEWED BY: <i>Bruce Thill</i>		DATE: 2/22/2010	



BRIDGE NUMBER: 97 / 103	BRIDGE NAME: SATUS CR 3RD CROSSING	REGION: South Central	MILEPOST: 37.46
YEAR BUILT / YR WIDENED: 1975	CONTRACT NO.(S): 09780	SUFFICIENCY RATING: 88.14	
BRIDGE TYPE: PCG DECK TYPE: Conc cast-in-place DECK THICKNESS: (Main Span) 7.0 in.		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
BRIDGE WIDTH (curb-curb): 39.6 ft.	BRIDGE LENGTH: 210 ft.		
AVERAGE DAILY TRAFFIC (ADT): 3,594	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: New Jersey Barrier			
RAIL MEETS CURRENT STANDARDS?: YES	SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt		
EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: Yes	TYPE RECOMMENDED: Mod Conc
		COMMENTS: Bridge Inspection results indicate nearly 2.0% of the existing concrete overlay and deck is deteriorated. We recommend removing the existing LMC and using a hydromill and applying a 1.5" modified concrete overlay.	
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 2/26/2010



BRIDGE NUMBER: 128 / 10	BRIDGE NAME: SNAKE R - RED WOLF BR	REGION: South Central	MILEPOST: 0.22
YEAR BUILT / YR WIDENED: 1979	CONTRACT NO.(S): 10850	SUFFICIENCY RATING: 87.47 SD	
BRIDGE TYPE: SBOX DECK TYPE: Conc cast-in-place DECK THICKNESS: 7.7 in. <small>(Main Span)</small> BRIDGE WIDTH (curb-curb): 32.0 ft. BRIDGE LENGTH: 1,450 ft. AVERAGE DAILY TRAFFIC (ADT): 4,209 NUMBER OF LANES: 2		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <p style="text-align: center;">original concrete</p>	
<p style="text-align: center;">VERTICAL CLEARANCE</p> VC Type: <p style="text-align: center;">NA</p>			
<p style="text-align: center;">BRIDGE RAIL</p> BRIDGE RAIL TYPE: WSDOT CODE - 61 New Jersey Barrier w/Type BP RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 0.0 Lt 4.0 Rt			
<p style="text-align: center;">EXPANSION JOINTS</p> <p>No Modifications Required at this time.</p>		<p style="text-align: center;">DECK PROTECTIVE SYSTEM RECOMMENDATIONS</p> PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro <p style="text-align: center;">RESURFACING COMMENT</p> Bridge Inspection reports indicate the deck is more than 5% deteriorated. We recommend placing 1.5" modified concrete overlay with 0.5" hydromill scarification.	
REVIEWED BY: <i>Bruce Thill</i>		DATE: 2/22/2010	



BRIDGE NUMBER: 261 / 120	BRIDGE NAME: TUCANNON R	REGION: South Central	MILEPOST: 10.27
YEAR BUILT / YR WIDENED: 1967	CONTRACT NO.(S):	SUFFICIENCY RATING: 88.24 SD	
BRIDGE TYPE: PCG DECK TYPE: Conc cast-in-place DECK THICKNESS: 5.8 in. (Main Span)	BRIDGE WIDTH (curb-curb): 26.0 ft. BRIDGE LENGTH: 211 ft. AVERAGE DAILY TRAFFIC (ADT): 495 NUMBER OF LANES: 2	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
VERTICAL CLEARANCE VC Type: NA			
BRIDGE RAIL BRIDGE RAIL TYPE: WSDOT CODE - 73.2 Conc Base - Type R RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 1.5 Lt 1.5 Rt			
EXPANSION JOINTS Modifications are required to accommodate the new overlay, please coordinate with the Bridge Office.		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES TYPE RECOMMENDED: MC Overlay / Hydro	
		RESURFACING COMMENT Bridge Inspection reports indicate the deck is more than 18% deteriorated with exposed rebar through out. Many of the small delams are over the girder stirrups. A new 1.5" modified concrete overlay is required using a 0.5" hydromill scarification.	
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 2/22/2010

P2 Bridge Preservation - Steel Bridge Painting Projects

2011-13 Bien Priority Array

(Sorted by Priority Number)



11-13 #	Bridge Number	Bridge Name	Mile Post	Region	Yr Work Planned	Total Project\$
13	90/180	COLUMBIA R VANTAGE	137.19	South Central	2015	\$5,000,000
37	82/280S	COLUMBIA R BR @ UMATILLA	132.36	South Central	2017	\$12,000,000
43	12/328S	NACHES R NELSON	198.66	South Central	2017	\$2,100,000
44	12/328N	NACHES R NELSON	198.66	South Central	2017	\$1,185,000
45	24/105	COLUMBIA R VERNITA	43.60	South Central	2019	\$1,822,500

Total Number of Bridges = 5

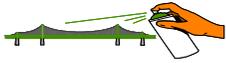
Total Project \$ = \$22,107,500



P2 Bridge Preservation - Steel Bridge Painting Projects

2011-13 Bien Priority Array

(Sorted by Bridge Number)



11-13 #	Bridge Number	Bridge Name	Mile Post	Region	Yr Work Planned	Total Project\$
44	12/328N	NACHES R NELSON	198.66	South Central	2017	\$1,185,000
43	12/328S	NACHES R NELSON	198.66	South Central	2017	\$2,100,000
45	24/105	COLUMBIA R VERNITA	43.60	South Central	2019	\$1,822,500
37	82/280S	COLUMBIA R BR @ UMATILLA	132.36	South Central	2017	\$12,000,000
13	90/180	COLUMBIA R VANTAGE	137.19	South Central	2015	\$5,000,000

Total Number of Bridges = 5

Total Project \$ = \$22,107,500



Steel Bridge Paint Form

2011-13 Biennium Priorities

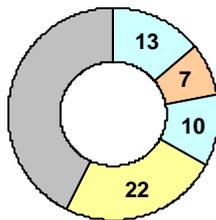


Bridge Number: 12 / 328N		Bridge Name: NACHES R NELSON		Milepost: 198.66	Region: South Central
Year Built 1958	Bridge Type: ST		Steel Span Length: 304 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 316
Paint Age: 22	Paint Color: 30277 Light Brown	Steel Surf. Area: 47,400 sqft	BMS Cond State 2: 15,000 sqft	BMS Cond State 3: 1,000 sqft	
Next Paint Year: 2017	2011-13 Rank: 44	Past Due / Due / OK Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$1,185,000

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

2011-13 Biennium Priorities

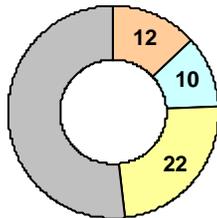


Bridge Number: 12 / 328S		Bridge Name: NACHES R NELSON		Milepost: 198.66	Region: South Central
Year Built 1966	Bridge Type: ST		Steel Span Length: 304 ft.	Width (curb-curb): 30.2 ft.	Steel Tonnage: 300
Paint Age: 22	Paint Color: Light Brown	30277	Steel Surf. Area: 45,000 sqft	BMS Cond State 2: 20,000 sqft	BMS Cond State 3: 10,000 sqft
Next Paint Year: 2017	2011-13 Rank: 43	Past Due / Due / OK Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$2,100,000

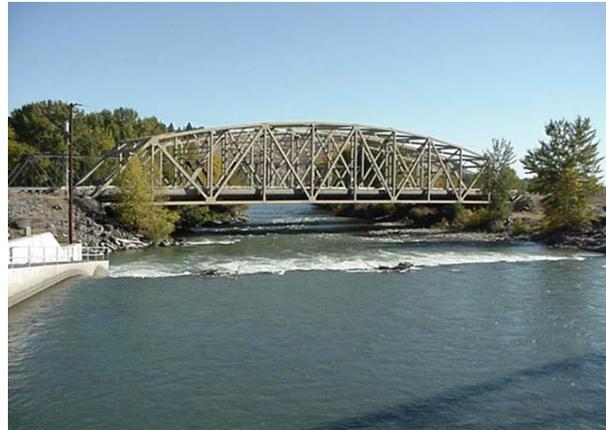
Past Paint History

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

2011-13 Biennium Priorities

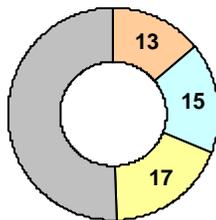


Bridge Number: 24 / 105		Bridge Name: COLUMBIA R VERNITA		Milepost: 43.60	Region: South Central
Year Built 1965	Bridge Type: ST PCB		Steel Span Length: 579 ft.	Width (curb-curb): 28 ft.	Steel Tonnage: 486
Paint Age: 17	Paint Color: Gold	30266	Steel Surf. Area: 72,900 sqft	BMS Cond State 2: 5,832 sqft	BMS Cond State 3: 1,458 sqft
Next Paint Year: 2019	2011-13 Rank: 45	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

2011-13 Biennium Priorities

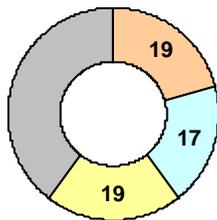


Bridge Number: 82 / 280S		Bridge Name: COLUMBIA R BR @ UMATILLA		Milepost: 132.36	Region: South Central
Year Built 1955	Bridge Type: ST SB		Steel Span Length: 3380 ft.	Width (curb-curb): 27.5 ft.	Steel Tonnage: 3,737
Paint Age: 19	Paint Color: Warm Conc Gray	30318	Steel Surf. Area: 560,550 sqft	BMS Cond State 2: 30,000 sqft	BMS Cond State 3: 2,000 sqft
Next Paint Year: 2017	2011-13 Rank: 37	Past Due / Due / OK Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$12,000,000

Past Paint History

Years	Cycle
1991	17
1974	19
1955	

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

2011-13 Biennium Priorities

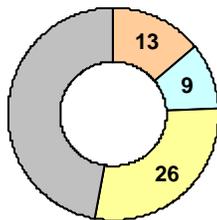


Bridge Number: 90 / 180		Bridge Name: COLUMBIA R VANTAGE		Milepost: 137.19	Region: South Central
Year Built 1962	Bridge Type: ST SA SG		Steel Span Length: 2504 ft.	Width (curb-curb): 56 ft.	Steel Tonnage: 4,063
Paint Age: 26	Paint Color: Gold	33448	Steel Surf. Area: 446,930 sqft	BMS Cond State 2: 300 sqft	BMS Cond State 3: 80 sqft
Next Paint Year: 2015	2011-13 Rank: 13	Past Due / Due / OK Past Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$5,000,000

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 need to be painted.

Steel Bridge Paint Form

2011-13 Biennium Priorities

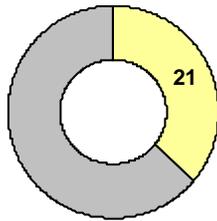


Bridge Number: 225 / 1		Bridge Name: BENTON CITY KIONA BRIDGE		Milepost: 0.03	Region: South Central
Year Built 1957	Bridge Type: SB CG		Steel Span Length: ft.	Width (curb-curb): 25.7 ft.	Steel Tonnage: 168
Paint Age: 21	Paint Color: Light Green	Steel Surf. Area: 18,480 sqft	BMS Cond State 2: 2,000 sqft	BMS Cond State 3: 5 sqft	
Next Paint Year: 2019	2011-13 Rank: 72	Past Due / Due / OK Due	CPMS Ad date:	Paint Pin Number:	Future Paint Cost: \$462,000

Past Paint History

Years
1989

Painting Cycle



■ = Current Paint Age



This bridge was transferred to the State as part of the 1991 Route Transfer. The year this bridge was last painted is unknown.

The inspection report indicates that the paint is starting to peel on the steel girders. There are some areas of rust visible on the steel box beam that spans between the pier towers. The steel bridge rail has a lot of areas with exposed bare metal.

The town of Benton City repainted the steel above the roadway deck.

P2 Bridge Preservation - Seismic Retrofit

2011-13 Bien Priority Array

(Sorted by Priority Number)

11-13 #	Bridge Number	Bridge Name	Mile post	Region	Bridge Item\$'s	Total\$'s
252	90/90N	S FK SNOQUALMIE R LOWER	36.62	South Central	\$112,552	\$202,594
253	90/90S	S FK SNOQUALMIE R LOWER	36.62	South Central	\$66,435	\$119,582
256	90/89N	EDGEWICK RD OC	34.63	South Central	\$138,039	\$248,470
257	90/89S	EDGEWICK RD OC	34.63	South Central	\$137,720	\$247,896
323	82/120N	OVERFLOW CHANNEL	31.99	South Central	\$93,126	\$167,627
324	82/120S	OVERFLOW CHANNEL	31.99	South Central	\$93,126	\$167,627
325	82/121N	NP RY OC MOXEE	32.47	South Central	\$151,261	\$272,270
326	82/121S	NP RY OC MOXEE	32.47	South Central	\$151,261	\$272,270
327	90/154N	YAKIMA R	102.49	South Central	\$337,090	\$606,761
328	90/154S	YAKIMA R	102.49	South Central	\$335,258	\$603,464
329	90/156N	DRY CR	104.71	South Central	\$267,460	\$481,427
330	90/156S	DRY CR	104.71	South Central	\$266,888	\$480,398
331	90/140S	YAKIMA R	86.20	South Central	\$134,129	\$241,431
332	90/140N	YAKIMA R	86.20	South Central	\$135,262	\$243,471
333	90/136S	I-90 OVR CLE ELUM RD, BN	83.53	South Central	\$245,020	\$441,035
334	90/136N	I-90 OVR CLE ELUM RD, BN	83.53	South Central	\$238,640	\$429,551
335	82/117S	N 1ST ST N-W RAMP OC	31.36	South Central	\$59,411	\$106,940
339	12/331N	BN RY (ABAND) & RAMP OC	199.95	South Central	\$221,766	\$399,178
340	12/331S	W-W RAMP OC	199.95	South Central	\$244,470	\$440,045
341	82/122N-W	82N RAMP OVR I-82	33.24	South Central	\$335,363	\$603,653
342	82/123N-W	82N RAMP OVR TERRACE HT	33.24	South Central	\$115,874	\$208,573
345	82/2S	W-E RAMP, E-E RAMP OC	0.00	South Central	\$65,412	\$117,741
346	82/1N	I-82 OVER I-90	0.00	South Central	\$265,034	\$477,061
347	82/1S	I-82 OVER I-90	0.00	South Central	\$121,006	\$217,810
351	90/135E-N	E-N RAMP I-90 OC	83.12	South Central	\$99,627	\$179,329
353	90/119	WEST EASTON RD OVER I-90	70.28	South Central	\$85,344	\$153,618
355	90/167	I-90 OC, RD #6	111.46	South Central	\$34,408	\$61,934
356	90/172	I-90 OC, MUNDY RD	117.82	South Central	\$34,452	\$62,014
357	90/94	I-90 OC, TINKHAM RD	42.32	South Central	\$130,818	\$259,019
358	90/95.8	I-90 OC HANSEN CR RD	47.73	South Central	\$70,802	\$140,187
387	90/104	SR 906 OC	54.69	South Central	\$270,699	\$487,258
404	90/99	SR 906 W-W RAMP OC	52.24	South Central	\$273,059	\$491,505
405	90/101	ACCESS RD OC	52.95	South Central	\$406,225	\$731,204
425	90/133	I-90 OC, BULLFROG RD	80.31	South Central	\$180,054	\$324,096
429	90/120N	YAKIMA R	71.26	South Central	\$242,583	\$436,649
430	90/120S	YAKIMA R	71.26	South Central	\$252,126	\$453,826
431	90/141N	PEOH RD OC	86.63	South Central	\$241,736	\$435,125
432	90/141S	PEOH RD OC	86.63	South Central	\$247,649	\$445,767
433	90/134N	CLE ELUM R	80.79	South Central	\$63,800	\$114,840



P2 Bridge Preservation - Seismic Retrofit

2011-13 Bien Priority Array

(Sorted by Priority Number)

11-13 #	Bridge Number	Bridge Name	Mile post	Region	Bridge Item\$'s	Total\$'s
434	90/134S	CLE ELUM R	80.79	South Central	\$63,800	\$114,840
435	90/97.8N	FRANKLIN FALLS BR	51.12	South Central	\$38,500	\$69,300
436	90/96S	S FK SNOQUALMIE R	47.95	South Central	\$184,283	\$331,709
437	90/96.5N	DENNY CRK RD O-XING	47.96	South Central	\$194,453	\$350,015
438	90/98.6N	UPPER SNOQUALMIE R BR	51.83	South Central	\$581,515	\$1,046,727
439	90/124S	LAKE VALLEY RD OC	74.05	South Central	\$198,864	\$357,954
440	90/124N	LAKE VALLEY RD OC	74.05	South Central	\$197,549	\$355,588
443	90/130S	NELSON RD OC	78.06	South Central	\$183,970	\$331,145
444	90/130N	NELSON RD OC	78.06	South Central	\$180,395	\$324,710
445	90/118N	KACHESS R	69.49	South Central	\$65,302	\$117,543
465	970/5	NP RY OC	0.29	South Central	\$160,936	\$289,684
466	970/1	SR 970 OVER I-90	0.00	South Central	\$180,527	\$324,948
479	90/137	I-90 OC, OAKES AVE	84.20	South Central	\$182,815	\$329,066
487	90/144	I-90 OC THORP	89.77	South Central	\$203,379	\$366,082
526	90/147	I-90 OC, ELK HT	93.62	South Central	\$128,002	\$230,403
527	90/121	EAST EASTON UC	71.56	South Central	\$275,556	\$496,000
534	90/113	STAMPEDE RD OVER I-90	62.97	South Central	\$135,691	\$244,243
535	90/114	CABIN CR RD OVER I-90	63.98	South Central	\$254,914	\$458,845
Total Number of Bridges = 57				Total\$ =	\$10,375,420	\$18,712,048

P2 Bridge Preservation - Seismic Retrofit

2011-13 Bien Priority Array

(Sorted by Bridge Number)

11-13 #	Bridge Number	Bridge Name	Mile post	Region	Bridge Item\$'s	Total\$'s
339	12/331N	BN RY (ABAND) & RAMP OC	199.95	South Central	\$221,766	\$399,178
340	12/331S	W-W RAMP OC	199.95	South Central	\$244,470	\$440,045
346	82/1N	I-82 OVER I-90	0.00	South Central	\$265,034	\$477,061
347	82/1S	I-82 OVER I-90	0.00	South Central	\$121,006	\$217,810
345	82/2S	W-E RAMP, E-E RAMP OC	0.00	South Central	\$65,412	\$117,741
335	82/117S	N 1ST ST N-W RAMP OC	31.36	South Central	\$59,411	\$106,940
323	82/120N	OVERFLOW CHANNEL	31.99	South Central	\$93,126	\$167,627
324	82/120S	OVERFLOW CHANNEL	31.99	South Central	\$93,126	\$167,627
325	82/121N	NP RY OC MOXEE	32.47	South Central	\$151,261	\$272,270
326	82/121S	NP RY OC MOXEE	32.47	South Central	\$151,261	\$272,270
341	82/122N-W	82N RAMP OVR I-82	33.24	South Central	\$335,363	\$603,653
342	82/123N-W	82N RAMP OVR TERRACE HT	33.24	South Central	\$115,874	\$208,573
256	90/89N	EDGEWICK RD OC	34.63	South Central	\$138,039	\$248,470
257	90/89S	EDGEWICK RD OC	34.63	South Central	\$137,720	\$247,896
252	90/90N	S FK SNOQUALMIE R LOWER	36.62	South Central	\$112,552	\$202,594
253	90/90S	S FK SNOQUALMIE R LOWER	36.62	South Central	\$66,435	\$119,582
357	90/94	I-90 OC, TINKHAM RD	42.32	South Central	\$130,818	\$259,019
358	90/95.8	I-90 OC HANSEN CR RD	47.73	South Central	\$70,802	\$140,187
437	90/96.5N	DENNY CRK RD O-XING	47.96	South Central	\$194,453	\$350,015
436	90/96S	S FK SNOQUALMIE R	47.95	South Central	\$184,283	\$331,709
435	90/97.8N	FRANKLIN FALLS BR	51.12	South Central	\$38,500	\$69,300
438	90/98.6N	UPPER SNOQUALMIE R BR	51.83	South Central	\$581,515	\$1,046,727
404	90/99	SR 906 W-W RAMP OC	52.24	South Central	\$273,059	\$491,505
405	90/101	ACCESS RD OC	52.95	South Central	\$406,225	\$731,204
387	90/104	SR 906 OC	54.69	South Central	\$270,699	\$487,258
534	90/113	STAMPEDE RD OVER I-90	62.97	South Central	\$135,691	\$244,243
535	90/114	CABIN CR RD OVER I-90	63.98	South Central	\$254,914	\$458,845
445	90/118N	KACHESS R	69.49	South Central	\$65,302	\$117,543
353	90/119	WEST EASTON RD OVER I-90	70.28	South Central	\$85,344	\$153,618
429	90/120N	YAKIMA R	71.26	South Central	\$242,583	\$436,649
430	90/120S	YAKIMA R	71.26	South Central	\$252,126	\$453,826
527	90/121	EAST EASTON UC	71.56	South Central	\$275,556	\$496,000
440	90/124N	LAKE VALLEY RD OC	74.05	South Central	\$197,549	\$355,588
439	90/124S	LAKE VALLEY RD OC	74.05	South Central	\$198,864	\$357,954
444	90/130N	NELSON RD OC	78.06	South Central	\$180,395	\$324,710
443	90/130S	NELSON RD OC	78.06	South Central	\$183,970	\$331,145
425	90/133	I-90 OC, BULLFROG RD	80.31	South Central	\$180,054	\$324,096
433	90/134N	CLE ELUM R	80.79	South Central	\$63,800	\$114,840
434	90/134S	CLE ELUM R	80.79	South Central	\$63,800	\$114,840
351	90/135E-N	E-N RAMP I-90 OC	83.12	South Central	\$99,627	\$179,329



P2 Bridge Preservation - Seismic Retrofit

2011-13 Bien Priority Array

(Sorted by Bridge Number)

11-13 #	Bridge Number	Bridge Name	Mile post	Region	Bridge Item\$'s	Total\$'s
334	90/136N	I-90 OVR CLE ELUM RD, BN	83.53	South Central	\$238,640	\$429,551
333	90/136S	I-90 OVR CLE ELUM RD, BN	83.53	South Central	\$245,020	\$441,035
479	90/137	I-90 OC, OAKES AVE	84.20	South Central	\$182,815	\$329,066
332	90/140N	YAKIMA R	86.20	South Central	\$135,262	\$243,471
331	90/140S	YAKIMA R	86.20	South Central	\$134,129	\$241,431
431	90/141N	PEOH RD OC	86.63	South Central	\$241,736	\$435,125
432	90/141S	PEOH RD OC	86.63	South Central	\$247,649	\$445,767
487	90/144	I-90 OC THORP	89.77	South Central	\$203,379	\$366,082
526	90/147	I-90 OC, ELK HT	93.62	South Central	\$128,002	\$230,403
327	90/154N	YAKIMA R	102.49	South Central	\$337,090	\$606,761
328	90/154S	YAKIMA R	102.49	South Central	\$335,258	\$603,464
329	90/156N	DRY CR	104.71	South Central	\$267,460	\$481,427
330	90/156S	DRY CR	104.71	South Central	\$266,888	\$480,398
355	90/167	I-90 OC, RD #6	111.46	South Central	\$34,408	\$61,934
356	90/172	I-90 OC, MUNDY RD	117.82	South Central	\$34,452	\$62,014
466	970/1	SR 970 OVER I-90	0.00	South Central	\$180,527	\$324,948
465	970/5	NP RY OC	0.29	South Central	\$160,936	\$289,684

Total Number of Bridges = 57

Total\$ = \$10,375,420 \$18,712,048



WSDOT Scour Projects - 2011-13 Bien

(Sorted by Bridge Number)



Bridge Number	Bridge Name	Length	Mile post	Region	PIN #	Year Planned	11-13 #	Project Total\$'s
097/120	CANAL DRAIN DITCH	121	60.82	South Central	509703E	2011	2	\$448,000
224/010	YAKIMA OVERFLOW BRI	80	9.43	South Central	522401C	2012	3	\$636,000
823/003E	YAKIMA RIVER	335	0.09	South Central	582301M	2011	4	\$624,000
906/105	COAL CREEK	54	2.99	South Central	590601H	2012	8	\$391,000
Total Number of Bridges = 4						Total Bien\$'s = \$2,099,000		

WSDOT Bridge over Water

Scour Form

Bridge ID: 0001516B	Bridge Number: 97/120	Bridge Name: CANAL DRAIN DITCH	State Route: 97 Mile Post: 60.82	South Central Cnty: Yakima
Year Built: 1931 Rebuilt: 1975	Span Type: CS	ADT: 3802 ADT Truck Pct: 26 %	Structure Length: 121 ft. Width: 40 ft.	main span 6 aprch: 0 Detour Length: 22 miles
Substructure Stability: Code: 4 Pile foundation, continuous spans.	Streambed Material: 3 Gravel	Scour History: Code: C Current scour problems.	Last Scour repair Project Yr: C#:	
Scour Code: 3	Scour Rating Description: Bridge is scour critical; bridge foundations determined unstable for calculated scour depths: 1) Within limits of footings or piles (Figure WB 76-80B) 2) Below footing base or pile tips (Figure WB 76-80C).	Substr Code: 5	sufficiency_rating: 64.53	



Deficiencies: Scour hole behind Piles 2D, 2E, 2F in Pier 1 embankment. Debris hung up on Piles 3A, 3E and 3F. Calculated scour falls below pile tips at Pier 2. Monitor for channel migration. Current bottom of south channel is 4' above pile tips at Pier 2.	First Noted: 5/16/2003
	BPO Repair List Priority: 1
	Funding - P2 or M: P2
	BPO Repair Num: 10000
	11-13 Priority Rank: 2
Recommended Action: BPO - Fill scour area in Span 1 with quarry spalls back to original ground line. Bridge Management Unit - The Scour Repair is scheduled to be done by contract in 2011.	WIN: PIN: 509703E
	Total Cost Estimate: \$448,000

WSDOT Bridge over Water

Scour Form

Bridge ID: 0014085C	Bridge Number: 224/10	Bridge Name: YAKIMA OVERFLOW BRIDGE	State Route: 224 Mile Post: 9.43	South Central Cnty: Benton	
Year Built: 1993 Rebuilt:	Span Type: CS	ADT: 17125 ADT Truck Pct: 10 %	Structure Length: 80 ft. Width: 72 ft.	main span: 2 aprch: 0	Detour Length: 1 miles
Substructure Stability: Code: 2 Spread footing, continuous spans.		Streambed Material: 2 Sediment	Scour History: Code: C Current scour problems.	Last Scour repair Project Yr: C#:	
Scour Code: 3	Scour Rating Description: Bridge is scour critical; bridge foundations determined unstable for calculated scour depths: 1) Within limits of footings or piles (Figure WB 76-80B) 2) Below footing base or pile tips (Figure WB 76-80C).		Substr Code: 5	sufficiency_rating: 86.23	



Deficiencies: High water, high flow event has caused severe erosion. Abutments are exposed, see photos 3, 6, and 7. Scour hole around Column 3B. Riprap has been washed from Pier 3 abument at the north. Riprap in place at remaining corners of bridge.	First Noted: 5/3/2005
	BPO Repair List Priority: 1
	Funding - P2 or M: P2
	BPO Repair Num: 10001
Recommended Action: BPO - Mitigate scour at abuments and Pier 2. Repair design in progress; construction not likely before 2009; review/update status each inspection; monitor until construction. Bridge Management Unit - Prioritize with other statewide scour needs in the 2011-13 biennium.	11-13 Priority Rank: 1
	WIN:
	PIN:
Total Cost Estimate:	

WSDOT Bridge over Water

Scour Form

Bridge ID: 0003209A	Bridge Number: 823/3E	Bridge Name: YAKIMA RIVER	State Route: 823 Mile Post: 0.09	South Central Cnty: Yakima	
Year Built: 1947 Rebuilt:	Span Type: CTB	ADT: 13500 ADT Truck Pct: 5 %	Structure Length: 335 ft. Width: 28 ft.	main span 5 aprch: 0	Detour Length: 3 miles
Substructure Stability: Code: 2 Spread footing, continuous spans.		Streambed Material: 3 Gravel	Scour History: Code: N No history of scour.		Last Scour repair Project Yr: C#:
Scour Code: 3	Scour Rating Description: Bridge is scour critical; bridge foundations determined unstable for calculated scour depths: 1) Within limits of footings or piles (Figure WB 76-80B) 2) Below footing base or pile tips (Figure WB 76-80C).		Substr Code: 5	sufficiency_rating: 63.86	



No Photo Available

Deficiencies: Previous inspections: Footing of P3 exposed up to 12" along the middle 12 feet of the so side. Rip-rap at nose and tail of Pier 3. The footing face of P4 exposed 5" along the north half, east end and exposed 2" along the south half, east end. The top of the east half of the Pier 4 footing is fully exposed. The top of the nw footing is exposed for 5 ft.	First Noted: 10/31/2001
	BPO Repair List Priority: 1
	Funding - P2 or M: P2
	BPO Repair Num: 13055
Recommended Action: BPO - Replace missing riprap at piers 3 & 4. Bridge Management Unit - The scour repair is scheduled to be completed in 2011.	11-13 Priority Rank: 4
	WIN: PIN: 582301M
	Total Cost Estimate: \$624,000

P2 Bridge Preservation - Miscellaneous Structures

2011-13 Bien Priority Array

(Sorted by Priority Number)

11-13 #	Structure Number	Structure Name	SR	Mile post	Region	Work Yr	Description	Total\$'s
Total Number of Bridges = 0								Totals \$ = \$0