

P2 Bridge Preservation - Replacement/Rehab Projects

2009-11 Bien Priority Array

(Sorted by 2009-11 Priority Number)

09-11 #	Bridge Number	Bridge Name	Mile post	Region	Length	Future work Description
1	002/005N	SNOHOMISH RIVER BRIDGE	0.18	Northwest	2,980	Rehabilitate Bridge
1	002/006N	EBEY ISLAND VIADUCT	0.75	Northwest	6,923	Rehabilitate Bridge
1	002/006S-W	EBEY-W RAMP AL RAMP	1.13	Northwest	381	Rehabilitate Bridge
1	097/106	SATUS CR 2ND CROSSING	45.84	South Central	133	Replace Bridge
1	101/263	WALKERS CR	307.16	Olympic	78	Replace Bridge
1	101/420	PURDY CR	339.30	Olympic	109	Replace Bridge
1	107/005	SLOUGH	7.59	Olympic	294	Replace Bridge
1	107/006	SLOUGH	7.79	Olympic	279	Replace Bridge
2	303/004A	MANETTE BRIDGE CS1841	1.47	Olympic	1,573	Replace Bridge
3	509/005A	MURRAY MORGAN BR CS274	0.22	Olympic	1,748	Remove Bridge
4	167/020E	PUYALLUP R	6.40	Olympic	477	Replace Bridge
5	005/036E	E FK LEWIS R	18.21	Southwest	852	Replace Bridge
6	005/670W	STILLAGUAMISH R	209.35	Northwest	859	Replace Deck
7	101/354	MCDONNELL CR	258.21	Olympic	179	Replace Bridge
8	241/005	MABTON-SUNNYSIDE #650	1.34	South Central	521	Replace Bridge
9	302/105	PURDY BR	15.65	Olympic	550	Replace Bridge
10	548/010	DAKOTA CR	11.54	Northwest	182	Replace Bridge
11	506/106	LACAMAS CR	8.05	Southwest	170	Replace Bridge
12	097/020	SATUS CR	30.80	Southwest	101	Replace Bridge
13	524/015	SWAMP CREEK	6.68	Northwest	31	Replace Bridge
14	012/012S	WISHKAH R HERON CS1415	0.08	Olympic	235	Rehabilitate Bridge
15	022/007	SLOUGH OF YAKIMA R	1.39	South Central	115	Replace Bridge
16	022/006	YAKIMA R	1.10	South Central	545	Replace Bridge
17	090/322S	SR 261 OC	221.95	Eastern	169	Replace Bridge
18	090/322N	SR 261 OC	221.95	Eastern	169	Replace Bridge
19	012/720	WHETSTONE CR	372.57	South Central	21	Replace Bridge
20	300/001	MISSION CR	0.28	Olympic	51	Replace Bridge
21	508/023	ALDER CR	22.65	Southwest	88	Replace Bridge
22	508/012	S FK NEWAUKUM R	13.65	Southwest	197	Replace Bridge
23	020/924	DAVIS CR	423.75	Eastern	77	Replace Bridge
24	010/143	BRISTOL FILL	90.10	South Central	430	Replace Deck
25	508/025	CREEK	24.08	Southwest	26	Replace Bridge
26	507/008	SKOOKUMCHUCK R	2.36	Southwest	186	Replace Bridge
27	031/038	SULLIVAN CR	14.79	Eastern	182	Replace Bridge
28	020/265	GULCH	93.13	Northwest	135	Replace Bridge

Total Number of Bridges = 35



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Total Number of Bridges = 35



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 2 / 5N	Structure ID 0008266B	Bridge Name: SNOHOMISH RIVER BRIDGE	Milepost: 0.18	Region: Northwest
Year Built / YR Widened: 1968	Bridge Type: SG CBox CS		Number of Main/Appr span 5 / 33	Sufficiency Rating: 67.59
Bridge Width (curb-curb): 30.0 ft	Bridge Length: 2,980 ft	Max Span: 204 ft	Bridge Deck View	
Average Daily Traffic: 29,304	Truck% 8%	Number of Lanes: 2	NHS: YES	
Vertical Clearance: NA	Detour Length (miles): 2		Appr Rdway Width: 30.0 ft	
Design Load: HS 20	HS: 1.15	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 58.00	A1: 1.97	BL Load:		
Inv Rating: 35.00	A2: 1.51	CL-8 Load:		
	A3: 1.48	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 7/22/2006	Structr Adequacy: 5			
Superstr Code: 5	Safe Load: 5			
Substr Code: 6	Deck Geometry: 4			
Deck Code: 6	Underclearance: 8			
Scour: 5	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: ft.	Bridge \$'s:			
New Bridge Length: ft.	Total \$'s:			
Priority Array #: 1				
PIN Number: 100205E				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date: 8/9/2010			
<p>Bridge 2/5N has 15 spans of precast concrete girder (PRC) units near Home Acres Road (piers 18 to 33) in need of rehabilitation. There are 6 units across the width of the bridge in each span.</p> <p>These PRC units were designed with a 1 inch concrete cover around the main reinforcing steel in the stem. Many of these units have rebar that is corroding causing the concrete cover to crack and debond.</p> <p>The repair will remove the loose concrete, clean the reinforcing steel, add new concrete and Carbon Fiber strips to the webs of the girders.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 2 / 6N	Structure ID 0008378E	Bridge Name: EBEY ISLAND VIADUCT	Milepost: 0.75	Region: Northwest	
Year Built / YR Widened: 1968	Bridge Type: PRCB PCG	Number of Main/Appr span 1 / 178	Sufficiency Rating: 13.99 SD		
Bridge Width (curb-curb): 30.0 ft	Bridge Length: 6,923 ft	Max Span: 82 ft	<p align="center">Bridge Deck View</p> 		
Average Daily Traffic: 29,304	Truck% 8%	Number of Lanes: 2			NHS: YES
Vertical Clearance: NA	Detour Length (miles): 2	Appr Rdway Width: 30.0 ft			
Design Load: HS 20	HS: 0.84	Load Restricted Bridge? <input checked="" type="checkbox"/>			
Op Rating: 27.00	A1: 1.06	BL Load: 20,000			
Inv Rating: 17.00	A2: 1.12	CL-8 Load: 21,000			
	A3: 1.30	SA Load:			
<p align="center">Bridge Inspection Information</p>			<p align="center">Bridge Profile View</p> 		
Date Inspected: 4/10/2006	Structr Adequacy: 3				
Superstr Code: 4	Safe Load: 4				
Substr Code: 6	Deck Geometry: 4				
Deck Code: 6	Underclearance: 4				
Scour: 8	Waterway: 8				
<p align="center">Proposed Bridge Replacement Information</p>					
New Bridge Width: ft.	Bridge \$'s:				
New Bridge Length: ft.	Total \$'s: \$22,570,488				
Priority Array #: 1					
PIN Number: 100205E					
WIN Number: A00205C	Repl/Rehab Year:				
Contract Number:	Ad Date: 8/9/2010				
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO A SUPERSTRUCTURE CONDITION.</p>					
<p>Bridge 2/6N has 170 spans of precast concrete girder (PRC) units. These units were designed with a 1 inch concrete cover around the main reinforcing steel in the stem. There are 4 - #10 reinforcing bars located at the bottom of the stems. An in-depth inspection was performed in 1986. Approximately 82% of the T-beam spans have cracks parallel to the #10 bars in the stem. Approximately 34% of the spans have moderate to severe cracking with the main #10 bars exposed. Eight spans of bridge 2/6N were repaired in 1999 (Contract 5550). The deck was repaired and overlaid with an ACP w/membrane in 2001 (C#6157). The concrete superstructure of the bridge from milepost 1.20 to bridge 2/7N limits (121 spans) has been repaired in 2007 as part of contract 7304. The next project in 2010 will repair another portion of the bridge.</p>					



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 5 / 36E	Structure ID 0002473A	Bridge Name: E FK LEWIS R	Milepost: 18.21	Region: Southwest
Year Built / YR Widened: 1936	Bridge Type: STrus CTB		Number of Main/Appr span 1 / 12	Sufficiency Rating: 30.84 SD
Bridge Width (curb-curb): 48.0 ft	Bridge Length: 852 ft	Max Span: 248 ft	Bridge Deck View	
Average Daily Traffic: 33,500	Truck% 35%	Number of Lanes: 3	NHS: YES	
Vertical Clearance: 17 FT 02 in	Detour Length (miles): 2		Appr Rdway Width: 52.0 ft	
Design Load: H 15	HS: 0.70	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 31.00	A1: 1.02	BL Load:	20,000	
Inv Rating: 18.00	A2: 1.06	CL-8 Load:	20,000	
	A3: 1.16	SA Load:	35,500	
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 11/8/2005	Structr Adequacy: 4			
Superstr Code: 4	Safe Load: 5			
Substr Code: 6	Deck Geometry: 4			
Deck Code: 5	Underclearance: 3			
Scour: 3	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 52 ft.	Bridge \$'s:	\$17,825,600		
New Bridge Length: 857 ft.	Total \$'s:	\$44,564,000		
Priority Array #: 5				
PIN Number:				
WIN Number:	Repl/Rehab Year:	2015		
Contract Number:	Ad Date:			
<p>THIS BRIDGE IS CLASSIFIED "SD" BASED ON THE SUPERSTRUCTURE CODE. Many of the steel stringers have cracks. A repair project for the cracked stringers was completed by contract in 2006. There are 48 locations with bolts, drilled holes, or welded plates. Some of the stringer ends at the floorbeam connections are showing laminar rust and starting to lift the deck off the stringer top flanges. Approximately 8% section loss typical.</p> <p>This bridge was added to the Bridge Replacement Priority Array due to the existing load restrictions and it is cost prohibitive to rehabilitate the bridge to meet current truck load standards.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 5 / 670W	Structure ID 0001652A	Bridge Name: STILLAGUAMISH R	Milepost: 209.35	Region: Northwest
Year Built / YR Widened: 1933	Bridge Type: STrus CTB		Number of Main/Appr span 3 / 5	Sufficiency Rating: 45.07 SD
Bridge Width (curb-curb): 48.0 ft	Bridge Length: 859 ft	Max Span: 200 ft	Bridge Deck View	
Average Daily Traffic: 36,500	Truck% 13%	Number of Lanes: 3	NHS: YES	
Vertical Clearance: 16 FT 05 in	Detour Length (miles): Appr Rdway Width: 2 58.0 ft		Bridge Profile View 	
Design Load: H 15	HS: 1.04	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 35.00	A1: 1.38	BL Load:		
Inv Rating: 21.00	A2: 1.52	CL-8 Load:		
	A3: 1.64	SA Load:		
Bridge Inspection Information				
Date Inspected: 5/9/2006	Structr Adequacy: 4			
Superstr Code: 5	Safe Load: 5			
Substr Code: 6	Deck Geometry: 4			
Deck Code: 4	Underclearance: 2			
Scour: 3	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 48 ft.	Bridge \$'s:			
New Bridge Length: 606 ft.	Total \$'s: \$10,180,800			
Priority Array #: 6				
PIN Number:				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date: 1/1/2013			
<p>THIS BRIDGE IS CLASSIFIED "SD" BASED ON THE DECK CONDITION. A modified concrete overlay was applied in 1992. The concrete deck on the truss spans warrants replacement based on its condition. The length of the 3 truss spans is 606 feet.</p> <p>Transverse hairline cracks in most panel points. Soffit: Transverse and map cracking in soffit, some were leaching or had rust stains throughout all steel truss spans of bridge; see photos #5 and #21. Some movement in the deck was observed under heavy traffic in areas of all truss spans, most notably between Panel Points L0 and L1. There are exposed rusty transverse bars with section loss, up to 6 ft. in length with 2" deep spalls; Some areas of delaminated and honeycombed concrete were observed between the stringers. Spalls, up to 10 ft. long, and longitudinal cracks were observed along the east edge of the deck. Spalls were also observed at the interface of the floorbeams and deck.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 10 / 143	Structure ID 0002222A	Bridge Name: BRISTOL FILL	Milepost: 90.10	Region: South Central	
Year Built / YR Widened: 1937	Bridge Type: SB	Number of Main/Appr span 15 / 0	Sufficiency Rating: 41.39 SD		
Bridge Width (curb-curb): 24.0 ft	Bridge Length: 430 ft	Max Span: 33 ft	<p align="center">Bridge Deck View</p> 		
Average Daily Traffic: 1,200	Truck% 11%	Number of Lanes: 2			NHS: No
Vertical Clearance: NA	Detour Length (miles): 34	Appr Rdway Width: 34.0 ft			
Design Load: H 15	HS: 0.97	Load Restricted Bridge? <input 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> Date Inspected: 4/7/2005 Structr Adequacy: 4 Superstr Code: 5 Safe Load: 5 Substr Code: 6 Deck Geometry: 4 Deck Code: 3 Underclearance: 9 Scour: N Waterway: 9			<p align="center">Bridge Profile View</p> 		
<p align="center">Proposed Bridge Replacement Information</p> New Bridge Width: 24 ft. Bridge \$'s: \$2,064,000 New Bridge Length: 430 ft. Total \$'s: \$4,644,000 Priority Array #: 24 PIN Number: WIN Number: Repl/Rehab Year: Contract Number: Ad Date:					
<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.</p> <p>There is 8700 sq.ft. in Condition State 3 due to the chain drag survey completed in 2002, see Element 376. 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.</p>					



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 12 / 12S	Structure ID 000000LM	Bridge Name: WISHKAH R HERON CS1415	Milepost: 0.08	Region: Olympic
Year Built / YR Widened: 1949	Bridge Type: SSwS SG		Number of Main/Appr span 2 / 1	Sufficiency Rating: 49.43 SD
Bridge Width (curb-curb): 28.0 ft	Bridge Length: 235 ft	Max Span: 93 ft	Bridge Deck View	
Average Daily Traffic: 7,500	Truck% 12%	Number of Lanes: 2	NHS: YES	
Vertical Clearance: NA	Detour Length (miles): 2		Appr Rdway Width: 30.0 ft	
Design Load: H 20	HS: 1.21	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 64.00	A1: 1.41	BL Load:		
Inv Rating: 39.00	A2: 1.42	CL-8 Load:		
	A3: 1.71	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 6/6/2005	Structr Adequacy: 4			
Superstr Code: 5	Safe Load: 5			
Substr Code: 4	Deck Geometry: 3			
Deck Code: 5	Underclearance: 9			
Scour: 5	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 40 ft.	Bridge \$'s: \$3,840,000			
New Bridge Length: 240 ft.	Total \$'s: \$5,760,000			
Priority Array #: 14				
PIN Number:				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date:			
<p>THE BRIDGE IS CLASSIFIED "SD" DUE TO THE SUBSTRUCTURE CONDITION. This is a steel swing span bridge that was built with untreated timber piles. The bridge sags during operation due to additional weight added after the grid deck was replaced in 1990.</p> <p>A previous review has determined that the center pier should be reinforced with four new shaft foundations to reinforce this bridge against future seismic activity.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 12 / 720		Structure ID 0000307A		Bridge Name: WHETSTONE CR		Milepost: 372.57		Region: South Central	
Year Built / YR Widened: 1919		Bridge Type: CS		Number of Main/Appr span 2 / 0		Sufficiency Rating: 29.63 SD			
Bridge Width (curb-curb): 25.7 ft		Bridge Length: 21 ft		Max Span: 10 ft		Bridge Deck View 			
Average Daily Traffic: 3,200		Truck% 18%	Number of Lanes: 2	NHS: YES					
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:						
Inv Rating: 20.00		A2: 1.00	CL-8 Load:						
		A3: 1.00	SA Load:						
Bridge Inspection Information									
Date Inspected: 4/6/2005		Structr Adequacy: 4							
Superstr Code: 7		Safe Load: 5							
Substr Code: 4		Deck Geometry: 2							
Deck Code: 7		Underclearance: 9							
Scour: 5		Waterway: 6							
Proposed Bridge Replacement Information									
New Bridge Width: 36 ft.		Bridge \$'s: \$374,400							
New Bridge Length: 26 ft.		Total \$'s: \$936,000							
Priority Array #: 19									
PIN Number:									
WIN Number:		Repl/Rehab Year:							
Contract Number:		Ad Date:							
Bridge Profile View									
									
<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 concrete rail at upstream side.</p>									



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 20 / 265	Structure ID 0004342A	Bridge Name: GULCH	Milepost: 93.13	Region: Northwest
Year Built / YR Widened: 1953	Bridge Type: TTC		Number of Main/Appr span 7 / 0	Sufficiency Rating: 41.98 FO
Bridge Width (curb-curb): 27.0 ft	Bridge Length: 135 ft	Max Span: 19 ft	Bridge Deck View	
Average Daily Traffic: 2,300	Truck% 13%	Number of Lanes: 2	NHS: No	
Vertical Clearance: NA	Detour Length (miles): 63		Appr Rdway Width: 32.0 ft	
Design Load: H 15	HS: 0.99	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 36.00	A1: 1.17	BL Load:		
Inv Rating: 23.00	A2: 1.29	CL-8 Load:		
	A3: 1.43	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 5/31/2005	Structr Adequacy: 5			
Superstr Code: 6	Safe Load: 5			
Substr Code: 5	Deck Geometry: 3			
Deck Code: 7	Underclearance: 9			
Scour: N	Waterway: 9			
Proposed Bridge Replacement Information				
New Bridge Width: 40 ft.	Bridge \$'s: \$700,000			
New Bridge Length: 115 ft.	Total \$'s: \$8,036,058			
Priority Array #: 28				
PIN Number: 102061W				
WIN Number: A02061W	Repl/Rehab Year: 2009			
Contract Number:	Ad Date:			
<p>This bridge was added to the Bridge Replacement Priority Array in 1990.</p> <p>Several piles are not centered under caps as follows = 2 A is 60% bearing, 3 A 3 B, & 3 C 70 % bearing. Pile 5E, 6E, & 7E have been shimmed at cap bearing. Pile 5E split opening to 2 1/2" at top. Movement is downhill (South) and several piles appear to have been shoved East. Bridge rail at South is bowed ~ 1 1/2" to the south. Seasonal run off is cutting channels near pier 3, 4, 5 and 6 and between pier 7 and East abutment. The bank near pier 3 is 6' high other channels are 2 to 4 feet deep.</p> <p>The current plan is to replace this bridge with a new PCB bridge along with some retaining walls on the approach roadway. The Bridge PS&E has been completed and placed "on-the-shelf".</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 20 / 924	Structure ID 0002102C	Bridge Name: DAVIS CR	Milepost: 423.75	Region: Eastern
Year Built / YR Widened: 1936	Bridge Type: TTC		Number of Main/Appr span 5 / 0	Sufficiency Rating: 46.96 SD
Bridge Width (curb-curb): 27.5 ft	Bridge Length: 77 ft	Max Span: 15 ft	Bridge Deck View	
Average Daily Traffic: 1,500	Truck% 16%	Number of Lanes: 2	NHS: No	
Vertical Clearance: NA	Detour Length (miles): 13		Appr Rdway Width: 30.0 ft	
Design Load: H 15	HS: 0.92	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 30.00	A1: 1.05	BL Load:	21,500	
Inv Rating: 19.00	A2: 1.14	CL-8 Load:		
	A3: 1.28	SA Load:	43,000	
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 4/12/2007	Structr Adequacy: 4			
Superstr Code: 6	Safe Load: 5			
Substr Code: 4	Deck Geometry: 4			
Deck Code: 6	Underclearance: 9			
Scour: 8	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 36 ft.	Bridge \$'s:	\$1,180,800		
New Bridge Length: 82 ft.	Total \$'s:	\$2,952,000		
Priority Array #: 23				
PIN Number:				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date:			
<p>THE BRIDGE IS CLASSIFIED "SD" DUE TO THE SUBSTRUCTURE CODE.</p> <p>There are 3 existing timber piles that are currently "Red - Tagged". Pile 3C has a 1/2" wide check and a steel splice collar at base; upper column was replaced. Pile 3D has a 1" shell and a 3" rot pocket. RED TAGGED. Pile 4A upper column has been replaced and steel spliced to lower driven piling. Pile 4B upper column has been replaced and steel spliced to lower driven piling. Pile 4C has a 1/2" wide check, a steel collar at the base, and a couple steel bands around splits at the top that are loose. Pile 4D upper column has been replaced and steel spliced to lower driven piling. Pile 4E upper column has been replaced and steel spliced to lower driven piling. Pile 5D is not centered under cap, 2" overhang of cap (cap lacks 3/4" for full bearing on pile), and has a 3/8" wide check from top 8ft down on the NW side, and 1" shell with a 9" rot pocket. RED TAGGED.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 22 / 6	Structure ID 0001935A	Bridge Name: YAKIMA R	Milepost: 1.10	Region: South Central
Year Built / YR Widened: 1935	Bridge Type: SRB		Number of Main/Appr span 6 / 0	Sufficiency Rating: 50.00 SD
Bridge Width (curb-curb): 24.0 ft	Bridge Length: 545 ft	Max Span: 90 ft	Bridge Deck View	
Average Daily Traffic: 8,200	Truck% 9%	Number of Lanes: 2		
NHS: YES				
Vertical Clearance: NA	Detour Length (miles): 13		Appr Rdway Width: 32.0 ft	
Design Load: H 15	HS: 1.43	Load Restricted Bridge? <input checked="" type="checkbox"/>	Bridge Profile View	
Op Rating: 60.00	A1: 2.04	BL Load: 20,500		
Inv Rating: 36.00	A2: 1.77	CL-8 Load: 21,500		
	A3: 1.79	SA Load:		
Bridge Inspection Information				
Date Inspected: 6/27/2006	Structr Adequacy: 5			
Superstr Code: 5	Safe Load: 5			
Substr Code: 6	Deck Geometry: 2			
Deck Code: 6	Underclearance: 9			
Scour: 2	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 36 ft.	Bridge \$'s: \$5,500,000			
New Bridge Length: 550 ft.	Total \$'s: \$15,000,000			
Priority Array #: 16				
PIN Number:				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date:			
<p>A Nickel funded project to widen SR 22 between I-82 and McDonald Road in Toppenish, almost totally within the Yakama Nation Reservation. Safety improvements include widening the lanes and shoulders, flattening the slope, and installing guardrail. Design on this safety improvement project will begin in late 2007. Construction is scheduled to begin in 2009, and be completed in 2011.</p> <p>The Yakima River Bridge and the Slough Bridge have been excluded from this project due to the cost of replacement.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 22 / 7	Structure ID 0001942A	Bridge Name: SLOUGH OF YAKIMA R	Milepost: 1.39	Region: South Central
Year Built / YR Widened: 1935	Bridge Type: CTB		Number of Main/Appr span 3 / 0	Sufficiency Rating: 39.80 SD
Bridge Width (curb-curb): 24.0 ft	Bridge Length: 115 ft	Max Span: 50 ft	Bridge Deck View	
Average Daily Traffic: 8,200	Truck% 9%	Number of Lanes: 2	NHS: YES	
Vertical Clearance: NA	Detour Length (miles): 13		Appr Rdway Width: 30.0 ft	
Design Load: H 15	HS: 0.90	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 37.00	A1: 1.23	BL Load:		
Inv Rating: 22.00	A2: 1.14	CL-8 Load:		
	A3: 1.25	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 6/11/2007	Structr Adequacy: 5			
Superstr Code: 7	Safe Load: 5			
Substr Code: 5	Deck Geometry: 2			
Deck Code: 4	Underclearance: 9			
Scour: 2	Waterway: 5			
Proposed Bridge Replacement Information				
New Bridge Width: 40 ft.	Bridge \$'s: \$1,150,000			
New Bridge Length: 120 ft.	Total \$'s: \$3,000,000			
Priority Array #: 15				
PIN Number:				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date:			

A Nickel funded project to widen SR 22 between I-82 and McDonald Road in Toppenish, almost totally within the Yakama Nation Reservation. Safety improvements include widening the lanes and shoulders, flattening the slope, and installing guardrail. Design on this safety improvement project will begin in late 2007. Construction is scheduled to begin in 2009, and be completed in 2011.

The Yakima River Bridge and the Slough Bridge have been excluded from this project due to the cost of replacement.



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 31 / 38	Structure ID 0001259A	Bridge Name: SULLIVAN CR	Milepost: 14.79	Region: Eastern
Year Built / YR Widened: 1927	Bridge Type: CTB		Number of Main/Appr span 3 / 0	Sufficiency Rating: 39.45 FO
Bridge Width (curb-curb): 22.0 ft	Bridge Length: 182 ft	Max Span: 60 ft	Bridge Deck View	
Average Daily Traffic: 1,300	Truck% 7%	Number of Lanes: 2	NHS: No	
Vertical Clearance: NA	Detour Length (miles): 50		Appr Rdway Width: 26.0 ft	
Design Load: H 15	HS: 1.00	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 40.00	A1: 1.20	BL Load:		
Inv Rating: 24.00	A2: 1.32	CL-8 Load:		
	A3: 1.46	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 9/26/2006	Structr Adequacy: 5			
Superstr Code: 6	Safe Load: 5			
Substr Code: 5	Deck Geometry: 3			
Deck Code: 6	Underclearance: 9			
Scour: 3	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 36 ft.	Bridge \$'s: \$2,692,800			
New Bridge Length: 187 ft.	Total \$'s: \$6,660,000			
Priority Array #: 27				
PIN Number: 603199A				
WIN Number: F03199D	Repl/Rehab Year:			
Contract Number:	Ad Date: 1/9/2006			
<p>The SR 31/Metaline Falls to Canadian Border-Reconstruction contract was completed in 2007. New HMA was added to this bridge along with adding riprap around a bridge pier.</p> <p>Bridge Replacement is warranted due to the potential scour risk and the bridge width of 22 feet.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 90 / 322N	Structure ID 0005761B	Bridge Name: SR 261 OC	Milepost: 221.95	Region: Eastern
Year Built / YR Widened: 1952	Bridge Type: CVS		Number of Main/Appr span 3 / 0	Sufficiency Rating: 45.60 SD
Bridge Width (curb-curb): 31.7 ft	Bridge Length: 169 ft	Max Span: 66 ft	Bridge Deck View	
Average Daily Traffic: 5,427	Truck% 28%	Number of Lanes: 2	NHS: YES	
Vertical Clearance: NA	Detour Length (miles): 2		Appr Rdway Width: 40.0 ft	
Design Load: HS 15	HS: 1.25	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 36.00	A1: 1.75	BL Load:		
Inv Rating: 22.00	A2: 1.59	CL-8 Load:		
	A3: 1.63	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 9/26/2006	Structr Adequacy: 4			
Superstr Code: 4	Safe Load: 5			
Substr Code: 7	Deck Geometry: 2			
Deck Code: 7	Underclearance: 8			
Scour: N	Waterway: 9			
Proposed Bridge Replacement Information				
New Bridge Width: 36 ft.	Bridge \$'s: \$2,448,000			
New Bridge Length: 170 ft.	Total \$'s: \$6,264,000			
Priority Array #: 18				
PIN Number:				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date:			

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

Superstructure is coded as a "4" due to the longitudinal rusty cracks in the soffit of the hollow slab. note Top of slab covered with ACP. Edge of slab Leaching at slab to barrier interface. Vertical and diagonal hairline cracks on both edges of slab. Longitudinal crack in edge of slab at the NW corner approximately 15 ft. long. Soffit. Longitudinal cracks in soffit. Leaching along longitudinal joint at bottom centerline of slab in all spans. Longitudinal rust stained and leaching cracks, almost the full lengths of Span 1 and Span 2 (Photos #4 and #5). The northeast corner of Span 3 has a spall 4" x 4" x 1/2" deep.



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 90 / 322S		Structure ID 0005761A		Bridge Name: SR 261 OC		Milepost: 221.95		Region: Eastern	
Year Built / YR Widened: 1958		Bridge Type: CVS		Number of Main/Appr span 3 / 0		Sufficiency Rating: 37.24 SD			
Bridge Width (curb-curb): 31.7 ft		Bridge Length: 169 ft		Max Span: 66 ft		Bridge Deck View			
Average Daily Traffic: 5,427		Truck% 28%	Number of Lanes: 2		NHS: YES				
Vertical Clearance: NA	Detour Length (miles): 2		Appr Rdway Width: 40.0 ft						
Design Load: HS 20	HS: 0.79	Load Restricted Bridge? <input type="checkbox"/>							
Op Rating: 32.00	A1: 1.07	BL Load:							
Inv Rating: 19.00	A2: 1.10	CL-8 Load:							
	A3: 1.10	SA Load:							
Bridge Inspection Information					Bridge Profile View				
Date Inspected: 9/26/2006		Structr Adequacy: 4							
Superstr Code: 4	Safe Load: 5								
Substr Code: 6	Deck Geometry: 2								
Deck Code: 4	Underclearance: 8								
Scour: N	Waterway: 9								
Proposed Bridge Replacement Information									
New Bridge Width: 36 ft.		Bridge \$'s: \$2,448,000							
New Bridge Length: 170 ft.		Total \$'s: \$6,264,000							
Priority Array #: 17									
PIN Number:									
WIN Number:		Repl/Rehab Year:							
Contract Number:		Ad Date:							
<p>THIS BRIDGE IS CLASSIFIED "SD" BASED ON THE SUPERSTRUCTURE and DECK CONDITION. Superstructure is coded as a "4" due to the longitudinal rusty cracks in the soffit of the hollow slab. Top of slab covered with ACP, see note 801. Edge of slab longitudinal crack, approximately 20 ft. long in north edge of Span 1; crack starts near west abutment. Another rust stained crack that is approximately 8 ft. long along north edge of the slab in Span 1. Vertical cracks in edges of the deck. 2005 interim inspection: There were no apparent changes to the overall delamination characteristics. All spans have a rusty leaching crack about 12" from the north edge. Transverse leaching cracks, some are rust stained. Random small spalls in the bottom of the slab, some are rust stained. A 4" diameter x 1/2" deep rust stained spall at the south end of Span 1 near midspan. There is a 25ft. long delamination with a rusty area on the north face of Span 3</p>									



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 97 / 1		Structure ID 0006539A		Bridge Name: BIGGS RAPIDS-SAM HILL BR		Milepost: 0.00		Region: Southwest		
Year Built / YR Widened: 1962		Bridge Type: STrus SG			Number of Main/Appr span 1 / 12		Sufficiency Rating: 16.35 SD			
Bridge Width (curb-curb): 26.0 ft		Bridge Length: 2,567 ft		Max Span: 340 ft		Bridge Deck View				
Average Daily Traffic: 4,200		Truck% 32%	Number of Lanes: 2		NHS: YES					
Vertical Clearance: 15 FT 11 in		Detour Length (miles): 58		Appr Rdway Width: 28.0 ft						
Design Load: HS 20		HS: 0.54	Load Restricted Bridge? <input checked="" type="checkbox"/>							
Op Rating: 22.00		A1: 0.77	BL Load: 17,000							
Inv Rating: 13.00		A2: 0.85	CL-8 Load: 17,000							
		A3: 0.94	SA Load:							
Bridge Inspection Information										
Date Inspected: 7/24/2006		Structr Adequacy: 3								
Superstr Code: 5		Safe Load: 2								
Substr Code: 5		Deck Geometry: 3								
Deck Code: 3		Underclearance: 9								
Scour: 3		Waterway: 8								
Proposed Bridge Replacement Information										
New Bridge Width: 28 ft.		Bridge \$'s:								
New Bridge Length: 2,572 ft.		Total \$'s: \$14,000,000								
Priority Array #: 1										
PIN Number: 409703G										
WIN Number:		Repl/Rehab Year: 2008								
Contract Number:		Ad Date: 8/15/2007								
Bridge Profile View										
										
<p>BRIDGE DECK REPLACEMENT IS WARRANTED BASED ON ITS POOR CONDITION.</p> <p>This bridge has a 6 inch thick lightweight concrete deck. The top mat of steel consists of #5 bars on 12 inch centers. The deck was repaired & overlaid with a modified concrete overlay in 2000. During the overlay project a rotomill damaged many of the reinforcing bars. In 2001, the concrete overlay developed severe cracking and areas of debonding.</p> <p>SW Region Bridge Maintenance sealed the cracks with "Urefast" the weekend of June 14-15, 2003. Many areas in the overlay have required further repair to date. Repairs are needed approximately every two weeks.</p> <p>A Deck Replacement project has been awarded with construction scheduled in 2008.</p>										



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 97 / 20	Structure ID 0006113A	Bridge Name: SATUS CR	Milepost: 30.80	Region: Southwest	
Year Built / YR Widened: 1959	Bridge Type: CVS	Number of Main/Appr span 3 / 0	Sufficiency Rating: 27.54 SD		
Bridge Width (curb-curb): 38.0 ft	Bridge Length: 101 ft	Max Span: 40 ft	<p align="center">Bridge Deck View</p> 		
Average Daily Traffic: 3,596	Truck% 26%	Number of Lanes: 2			NHS: YES
Vertical Clearance: NA	Detour Length (miles): 45	Appr Rdway Width: 45.0 ft			
Design Load: HS 20	HS: 0.71	Load Restricted Bridge? <input type="checkbox"/>			
Op Rating: 33.00	A1: 1.00	BL Load:			
Inv Rating: 19.00	A2: 0.98	CL-8 Load:			
	A3: 1.04	SA Load:			
<p align="center">Bridge Inspection Information</p>			<p align="center">Bridge Profile View</p> 		
Date Inspected: 10/5/2005	Structr Adequacy: 4				
Superstr Code: 4	Safe Load: 4				
Substr Code: 5	Deck Geometry: 5				
Deck Code: 3	Underclearance: 9				
Scour: 2	Waterway: 6				
<p align="center">Proposed Bridge Replacement Information</p>					
New Bridge Width: 40 ft.	Bridge \$'s: \$1,696,000				
New Bridge Length: 106 ft.	Total \$'s: \$4,800,000				
Priority Array #: 12					
PIN Number:					
WIN Number:	Repl/Rehab Year:				
Contract Number:	Ad Date:				
<p>THE BRIDGE IS CLASSIFIED "SD" DUE TO A SUPERSTRUCTURE AND DECK CONDITION.</p> <p>This is a cast-in-place hollow concrete slab. The bridge was constructed with little or no cover over the top mat of steel reinforcing in the deck. The top surface of the slab was first overlaid with a membrane and asphalt in 1974. The deck was repaired extensively and overlaid with asphalt in 1989. The bottom side of the slab has significant cracking with rust staining.</p> <p>Bridge Replacement is warranted since there is no cost effect way of addressing the bridge scour problem and the concrete slab deterioration.</p>					



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 97 / 106	Structure ID 0002689B	Bridge Name: SATUS CR 2ND CROSSING	Milepost: 45.84	Region: South Central
Year Built / YR Widened: 1942	Bridge Type: SRB TTC		Number of Main/Appr span 1 / 4	Sufficiency Rating: 42.48 SD
Bridge Width (curb-curb): 29.6 ft	Bridge Length: 133 ft	Max Span: 60 ft	Bridge Deck View	
Average Daily Traffic: 2,871	Truck% 29%	Number of Lanes: 2	NHS: YES	
Vertical Clearance: NA	Detour Length (miles): 63		Appr Rdway Width: 32.0 ft	
Design Load: H 15	HS: 1.10	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 40.00	A1: 1.35	BL Load:	20,500	
Inv Rating: 27.00	A2: 1.48	CL-8 Load:	20,500	
	A3: 1.64	SA Load:	42,000	
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 6/27/2006	Structr Adequacy:	5		
Superstr Code: 6	Safe Load:	5		
Substr Code: 5	Deck Geometry:	4		
Deck Code: 4	Underclearance:	9		
Scour: 2	Waterway:	3		
Proposed Bridge Replacement Information				
New Bridge Width: 36 ft.	Bridge \$'s:			
New Bridge Length: 140 ft.	Total \$'s:	\$5,695,187		
Priority Array #: 1				
PIN Number: 509703L				
WIN Number: E09703L	Repl/Rehab Year:	2008		
Contract Number:	Ad Date:	11/13/2007		
<p>THE BRIDGE IS CLASSIFIED "SD" DUE TO A DECK CONDITION.</p> <p>The waterway opening under the bridge is very restricted. Region maintenance typically removes drift debris every spring. The replacement of this bridge is being coordinated with an SR97 roadway improvement project.</p> <p>The steel beams have areas of rust blooms and top flange rust. The timber sawn girders 1M, 2J and 2L have a horizontal split in the web for approx 1/2 length near mid span. Three feet of east end of pier no. 2 timber cap has a 1 inch shell (Red Tagged). Pier 5 cap under stringer "D" has center rot. Four feet of east end of pier 6 cap has center rot. A proposed new bridge will be built on a new alignment. Negotiations continue with the Yakima Indian Nation.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 101 / 263	Structure ID 0000001Q	Bridge Name: WALKERS CR	Milepost: 307.16	Region: Olympic
Year Built / YR Widened: 1932	Bridge Type: TTC	Number of Main/Appr span 4 / 0	Sufficiency Rating: 19.00 SD	
Bridge Width (curb-curb): 23.0 ft	Bridge Length: 78 ft	Max Span: 19 ft	<p align="center">Bridge Deck View</p> 	
Average Daily Traffic: 3,083	Truck% 16%	Number of Lanes: 2		
Vertical Clearance: NA	Detour Length (miles): 26	Appr Rdway Width: 30.0 ft	<p align="center">Bridge Profile View</p> 	
Design Load: H 15	HS: 1.45	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 52.00	A1: 1.73	BL Load:		
Inv Rating: 36.00	A2: 1.89	CL-8 Load:		
	A3: 2.10	SA Load:		
Bridge Inspection Information				
Date Inspected: 5/23/2005	Structr Adequacy: 3			
Superstr Code: 4	Safe Load: 5			
Substr Code: 3	Deck Geometry: 2			
Deck Code: 4	Underclearance: 9			
Scour: 3	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 43 ft.	Bridge \$'s:			
New Bridge Length: 145 ft.	Total \$'s: \$2,712,821			
Priority Array #: 1				
PIN Number: 310146B				
WIN Number: C10146C	Repl/Rehab Year: 2008			
Contract Number:	Ad Date: 12/3/2007			
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO A DECK, SUB AND SUPERSTRUCTURE CONDITION.</p> <p>The wood deck has approximately 8 inches of ACP with areas of patching over 30% of the deck. Piles 1D and 5A were previously "Red-Tagged". Piers 1 and 4 have sections of timber caps that are "Red-Tagged".</p> <p>The bridge has a weight restriction of 105,500 lbs.</p> <p>The schedule of this bridge replacement was established so that a new bridge will be in service prior to the SR104 Hood Canal bridge closure in 2009.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 101 / 354	Structure ID 0002437A	Bridge Name: MCDONNELL CR	Milepost: 258.21	Region: Olympic	
Year Built / YR Widened: 1939	Bridge Type: TTC	Number of Main/Appr span 9 / 0	Sufficiency Rating: 18.91 SD		
Bridge Width (curb-curb): 28.0 ft	Bridge Length: 179 ft	Max Span: 36 ft	<p align="center">Bridge Deck View</p> 		
Average Daily Traffic: 18,000	Truck% 10%	Number of Lanes: 2			NHS: YES
Vertical Clearance: NA	Detour Length (miles): 13	Appr Rdway Width: 40.0 ft			
Design Load: H 15	HS: 1.38	Load Restricted Bridge? <input type="checkbox"/>			
Op Rating: 50.00	A1: 1.68	BL Load:			
Inv Rating: 31.00	A2: 1.85	CL-8 Load:			
	A3: 2.04	SA Load:			
Bridge Inspection Information					
Date Inspected: 8/7/2005	Structr Adequacy: 3				
Superstr Code: 7	Safe Load: 5				
Substr Code: 3	Deck Geometry: 2				
Deck Code: 6	Underclearance: 9				
Scour: 3	Waterway: 8				
Proposed Bridge Replacement Information					
New Bridge Width: 36 ft.	Bridge \$'s: \$2,592,000				
New Bridge Length: 180 ft.	Total \$'s: \$5,760,000				
Priority Array #: 7					
PIN Number:					
WIN Number:	Repl/Rehab Year:				
Contract Number:	Ad Date:				
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO A SUBSTRUCTURE / SCOUR CONDITION.</p> <p>Substructure rated a 3 based on embedment depths of piles at Piers 5 through 8 being five foot or less. There are also yellow tagged caps and previously red tag piles that now have helper piles. Even before scour is considered, the pile tips of Piers 5 - 8 are only 4 to 7 ft below the ground surface. If the banks erode and the stream reaches Piers 4 or 9, they will be undermined. Scour code changed from 2 to 3 by HDR 2/24/2004. SCOUR - Pile 9D is 1'-9" from embankment and Pile 9E is 1'-0" from embankment.</p>					
<p align="center">Bridge Profile View</p> 					



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 101 / 420	Structure ID 0001596B	Bridge Name: PURDY CR	Milepost: 339.30	Region: Olympic	
Year Built / YR Widened: 1932	Bridge Type: TTC		Number of Main/Appr span 7 / 0	Sufficiency Rating: 26.08 SD	
Bridge Width (curb-curb): 22.8 ft	Bridge Length: 109 ft	Max Span: 15 ft	Bridge Deck View		
Average Daily Traffic: 4,805	Truck% 12%	Number of Lanes: 2	NHS: YES		
Vertical Clearance: NA	Detour Length (miles): 11		Appr Rdway Width: 30.0 ft		
Design Load: H 15	HS: 0.86	Load Restricted Bridge? <input checked="" type="checkbox"/>			
Op Rating: 31.00	A1: 0.98	BL Load:	18,500		
Inv Rating: 22.00	A2: 1.07	CL-8 Load:	20,500		
	A3: 1.18	SA Load:	40,000		
Bridge Inspection Information			Bridge Profile View		
Date Inspected: 12/15/2005	Structr Adequacy:	4			
Superstr Code: 4	Safe Load:	4			
Substr Code: 4	Deck Geometry:	2			
Deck Code: 7	Underclearance:	9			
Scour: 3	Waterway:	4			
Proposed Bridge Replacement Information					
New Bridge Width: 40 ft.	Bridge \$'s:	\$5,600,000			
New Bridge Length: 350 ft.	Total \$'s:	\$15,060,240			
Priority Array #: 1					
PIN Number: 310133D					
WIN Number: C10133D	Repl/Rehab Year:	2008			
Contract Number:	Ad Date:	1/22/2008			
<p>THE BRIDGE IS CLASSIFIED "SD" DUE TO A SUPER & SUBSTRUCTURE CONDITION.</p> <p>Many of the timber bents have helper piles installed. One Timber pile and two timber stringers are red tagged with replacement recommended. In 1995, Contract 14749 replaced 6 timber piles. This bridge is located on a section of road that periodically floods causing the road to be closed to traffic for short periods of time. A study of the Skokomish River indicates the river may shift to Purdy Creek in the future. The Olympic Region is anticipating that the Skokomish River will migrate away from its existing channel and flow into Purdy Creek sometime in the near future. If that happens then a new longer bridge will be needed to replace the existing Purdy Creek bridge. The proposed new bridge will be a 4 span Prestressed Concrete Girder with a total bridge length of 350 feet. The 2003-04 Legislature session mandated that this bridge be replaced as part of the P2 Bridge Preservation Replacement Program.</p>					



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 107 / 5		Structure ID 0004381A		Bridge Name: SLOUGH		Milepost: 7.59		Region: Olympic		
Year Built / YR Widened: 1953		Bridge Type: TTC		Number of Main/Appr span 16 / 0		Sufficiency Rating: 36.79 SD				
Bridge Width (curb-curb): 22.4 ft		Bridge Length: 294 ft		Max Span: 19 ft		Bridge Deck View				
Average Daily Traffic: 4,794		Truck% 17%	Number of Lanes: 2		NHS: No					
Vertical Clearance: NA		Detour Length (miles): 40		Appr Rdway Width: 28.0 ft						
Design Load: HS 15		HS: 1.27	Load Restricted Bridge? <input checked="" type="checkbox"/>		BL Load: 20,000					
Op Rating: 46.00		A1: 1.51	CL-8 Load:		40,000		Bridge Profile View			
Inv Rating: 32.00		A2: 1.65	SA Load:		40,000					
		A3: 1.83								
Bridge Inspection Information										
Date Inspected: 6/28/2006		Structr Adequacy: 4		Superstr Code: 6		Safe Load: 5				
Substr Code: 4		Deck Geometry: 2		Deck Code: 6		Underclearance: 9				
Scour: 5		Waterway: 6								
Proposed Bridge Replacement Information										
New Bridge Width: 37 ft.		Bridge \$'s: \$4,528,800								
New Bridge Length: 306 ft.		Total \$'s: \$7,473,627								
Priority Array #: 1										
PIN Number: 310708A										
WIN Number: C10708D		Repl/Rehab Year: 2008								
Contract Number:		Ad Date: 1/7/2008								
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO A SUBSTRUCTURE CONDITION. Substructure coded a "4" due to extensive rot in piles and caps. This bridge was added to the Bridge Replacement Priority Array in 1990.</p> <p>There are 28 of the 48 interior timber piles that are "Yellow Tagged" due to splits or rot within 3 inches of their center. The timber cap @ piers 8 and 11 are "Red Tagged" and have a 1 inch shell in selected locations. The new replacement bridge will be a prestressed concrete hollow slab. The Bridge\$'s include: \$1,640,000 for the new bridge, \$310,000 for the detour bridge, \$140,000 for the soldier pile walls at the ends of the new bridge.</p>										



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 107 / 6		Structure ID 0004381B		Bridge Name: SLOUGH		Milepost: 7.79		Region: Olympic		
Year Built / YR Widened: 1953		Bridge Type: TTC		Number of Main/Appr span 15 / 0		Sufficiency Rating: 36.79 SD				
Bridge Width (curb-curb): 22.5 ft		Bridge Length: 279 ft		Max Span: 19 ft		Bridge Deck View				
Average Daily Traffic: 4,794		Truck% 17%	Number of Lanes: 2		NHS: No					
Vertical Clearance: NA		Detour Length (miles): 40		Appr Rdway Width: 28.0 ft						
Design Load: HS 15		HS: 1.26	Load Restricted Bridge? <input checked="" type="checkbox"/>							
Op Rating: 45.00		A1: 1.50	BL Load: 21,000							
Inv Rating: 32.00		A2: 1.64	CL-8 Load:							
		A3: 1.82	SA Load: 41,000							
Bridge Inspection Information						Bridge Profile View				
Date Inspected: 6/28/2006		Structr Adequacy: 4								
Superstr Code: 6		Safe Load: 5								
Substr Code: 4		Deck Geometry: 2								
Deck Code: 6		Underclearance: 9								
Scour: 5		Waterway: 8								
Proposed Bridge Replacement Information										
New Bridge Width: 37 ft.		Bridge \$'s: \$4,528,800								
New Bridge Length: 306 ft.		Total \$'s: \$7,473,627								
Priority Array #: 1										
PIN Number: 310708A										
WIN Number: C10708D		Repl/Rehab Year: 2008								
Contract Number:		Ad Date: 1/7/2008								
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE A SUBSTRUCTURE CONDITION. Substructure coded a "4" due to extensive rot in piles and caps.</p> <p>There are 5 of the 40 interior timber piles that are "Yellow Tagged" due to splits and have been temporarily repaired with steel rings. The new replacement bridge will be a prestressed concrete hollow slab. The Bridge\$'s include: \$1,640,000 for the new bridge, \$310,000 for the detour bridge, \$140,000 for the soldier pile walls at the ends of the new bridge.</p> <p>The Bridge PS&E has been completed.</p>										



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 167 / 20E	Structure ID 0003960A	Bridge Name: PUYALLUP R	Milepost: 6.40	Region: Olympic
Year Built / YR Widened: 1925 / 1951	Bridge Type: STrus TTC PRCB		Number of Main/Appr span 1 / 5	Sufficiency Rating: 9.71SD
Bridge Width (curb-curb): 21.0 ft	Bridge Length: 477 ft	Max Span: 371 ft	Bridge Deck View	
Average Daily Traffic: 16,125	Truck% 5%	Number of Lanes: 2	NHS: YES	
Vertical Clearance: 18 FT 07 in	Detour Length (miles): 2		Appr Rdway Width: 24.0 ft	
Design Load: H 15	HS: 0.69	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 28.00	A1: 0.93	BL Load:		
Inv Rating: 17.00	A2: 0.97	CL-8 Load:		
	A3: 1.07	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 8/14/2005	Structr Adequacy: 2			
Superstr Code: 4	Safe Load: 4			
Substr Code: 5	Deck Geometry: 2			
Deck Code: 4	Underclearance: 2			
Scour: 7	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 40 ft.	Bridge \$'s: \$7,680,000			
New Bridge Length: 480 ft.	Total \$'s: \$19,280,000			
Priority Array #: 4				
PIN Number:				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date:			
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO THE SUPERSTRUCTURE, DECK AND STRUCTURAL ADEQUACY CODE.</p> <p>There is a SR167 improvement project that is scheduled to build a new section of highway but replacement of this bridge is not included.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

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: CBox		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		Bridge Deck View			
Average Daily Traffic: 3,867		Truck% 5%	Number of Lanes: 2		NHS: No				
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:				Bridge Profile View		
Inv Rating: 8.00		A2: 0.51	CL-8 Load:						
		A3: 0.57	SA Load:						
Bridge Inspection Information									
Date Inspected: 5/10/2006		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 Information									
New Bridge Width: 36 ft.		Bridge \$'s: \$7,560,000							
New Bridge Length: 525 ft.		Total \$'s: \$21,040,000							
Priority Array #: 8									
PIN Number:									
WIN Number:		Repl/Rehab Year:							
Contract Number:		Ad Date:							

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.



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 300 / 1		Structure ID 0007342A		Bridge Name: MISSION CR		Milepost: 0.28		Region: Olympic	
Year Built / YR Widened: 1963		Bridge Type: TS		Number of Main/Appr span 3 / 0		Sufficiency Rating: 32.72SD			
Bridge Width (curb-curb): 26.0 ft		Bridge Length: 51 ft		Max Span: 17 ft		Bridge Deck View 			
Average Daily Traffic: 5,015		Truck% 5%	Number of Lanes: 2	NHS: No					
Vertical Clearance: NA		Detour Length (miles): 50		Appr Rdway Width: 28.0 ft					
Design Load: HS 20		HS: 1.05	Load Restricted Bridge? <input type="checkbox"/>	BL Load:					
Op Rating: 38.00		A1: 1.32	CL-8 Load:	SA Load:		Bridge Profile View 			
Inv Rating: 28.00		A2: 1.39	SA Load:	A3: 1.60					
Bridge Inspection Information									
Date Inspected: 3/28/2006		Structr Adequacy: 4		Superstr Code: 7					
Substr Code: 4		Deck Geometry: 2		Deck Code: 7		Underclearance: 9			
Scour: 3		Waterway: 6							
Proposed Bridge Replacement Information									
New Bridge Width: 42 ft.		Bridge \$'s: \$940,800							
New Bridge Length: 56 ft.		Total \$'s: \$2,352,000							
Priority Array #: 20									
PIN Number:									
WIN Number:		Repl/Rehab Year:							
Contract Number:		Ad Date:							

THIS BRIDGE IS CLASSIFIED "SD" BASED ON A SUBSTRUCTURE / SCOUR CONDITION.
 This is a 3 span Treated Timber bridge built in 1963 with 2 intermediate piers in the waterway. The intermediate pierwalls are on spread footings. Bridge has been closed due to scour failure in the past.

Substructure coded a ""4"" due to scour where Pier 3 has previously experienced settlement. A Scour report says The calculated scour depth is well below the bottom of the foundations shown on the original layout sheet and notes in the file indicate the bridge has experienced a failure due to scour in 1966 and was repaired. The previous recommend scour repair of riprap placement around the piers has been completed.



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 302 / 105	Structure ID 000000JQ	Bridge Name: PURDY BR	Milepost: 15.65	Region: Olympic	
Year Built / YR Widened: 1936 / 1966	Bridge Type: CBox	Number of Main/Appr span 5 / 0	Sufficiency Rating: 23.45 SD		
Bridge Width (curb-curb): 20.0 ft	Bridge Length: 550 ft	Max Span: 190 ft	<p align="center">Bridge Deck View</p> 		
Average Daily Traffic: 12,000	Truck% 3%	Number of Lanes: 2			NHS: No
Vertical Clearance: NA	Detour Length (miles): 50				Appr Rdway Width: 26.0 ft
Design Load: H 15	HS: 0.88	Load Restricted Bridge? <input checked="" type="checkbox"/>			
Op Rating: 37.00	A1: 1.21	BL Load:	19,500		
Inv Rating: 22.00	A2: 1.09	CL-8 Load:			
	A3: 1.06	SA Load:	32,500		
<p align="center">Bridge Inspection Information</p>			<p align="center">Bridge Profile View</p> 		
Date Inspected: 7/20/2006	Structr Adequacy:	4			
Superstr Code: 5	Safe Load:	5			
Substr Code: 4	Deck Geometry:	2			
Deck Code: 5	Underclearance:	9			
Scour: 5	Waterway:	8			
<p align="center">Proposed Bridge Replacement Information</p>					
New Bridge Width: 40 ft.	Bridge \$'s:	\$8,880,000			
New Bridge Length: 555 ft.	Total \$'s:	\$22,200,000			
Priority Array #: 9					
PIN Number:					
WIN Number:	Repl/Rehab Year:				
Contract Number:	Ad Date:				
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO THE SUBSTRUCTURE CODE. The capacity of the bridge to carry vehicular traffic is low because of its age and poor shear strength design.</p> <p>Substructure coded "4" based on Piers 3 and 4 pier walls heavily spalled in all four corners with rebar that is corroded through and missing, and other areas where exposed rebar is heavily corroded and covered with marine life. The pier walls are box structures with interior voids, and the corner spalls have reduced the wall thickness in areas from 16" to about 7" thick. The reduced wall thickness near and below the water surface increases the likelihood of local failure of the submerged pier walls.</p>					



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 303 / 4A	Structure ID 0003531A	Bridge Name: MANETTE BRIDGE	CS1841	Milepost: 1.47	Region: Olympic
Year Built / YR Widened: 1930 / 1949	Bridge Type: STrus SG SRB		Number of Main/Appr span 1 / 12	Sufficiency Rating: 32.25 SD	
Bridge Width (curb-curb): 18.4 ft	Bridge Length: 1,573 ft	Max Span: 243 ft		<p style="text-align: center;">Bridge Deck View</p> 	
Average Daily Traffic: 7,300	Truck% 3%	Number of Lanes: 2	NHS: YES		
Vertical Clearance: 14 FT 07 in	Detour Length (miles): 5		Appr Rdway Width: 22.0 ft		
Design Load: HS 15	HS: 1.03	Load Restricted Bridge? <input checked="" type="checkbox"/>			
Op Rating: 37.00	A1: 1.23	BL Load:			
Inv Rating: 22.00	A2: 1.33	CL-8 Load:			
	A3: 1.49	SA Load:			
Bridge Inspection Information				<p style="text-align: center;">Bridge Profile View</p> 	
Date Inspected: 12/6/2006	Structr Adequacy: 4				
Superstr Code: 5	Safe Load: 5				
Substr Code: 4	Deck Geometry: 2				
Deck Code: 5	Underclearance: 9				
Scour: 3	Waterway: 8				
Proposed Bridge Replacement Information					
New Bridge Width: 46 ft.	Bridge \$'s:				
New Bridge Length: 1,592 ft.	Total \$'s: \$68,981,400				
Priority Array #: 2					
PIN Number: 330311A					
WIN Number: C30311A	Repl/Rehab Year: 2010				
Contract Number:	Ad Date: 3/1/2010				
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO A SUBSTRUCTURE CONDITION. This bridge was added to the Priority Array in 1990 as a bridge rehabilitation project. A review of information obtained during the rehab contracts determined that this bridge is in need of replacement.</p> <p>Core testing of the substructure concrete in the piers indicates the presence of alkali-silica reaction. Bridge Inspections indicate continuing deterioration in the underwater footings. The footings at pier 5 was repaired under Contract 4038 in 1992. The footings at piers 4 and 6 were repaired under Contract 4658 in 1995. A decision was made in 1993 to complete necessary repairs until the bridge could be replaced.</p>					



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 506 / 106	Structure ID 0003928A	Bridge Name: LACAMAS CR	Milepost: 8.05	Region: Southwest
Year Built / YR Widened: 1951	Bridge Type: TTC		Number of Main/Appr span 9 / 0	Sufficiency Rating: 28.32SD
Bridge Width (curb-curb): 24.0 ft	Bridge Length: 170 ft	Max Span: 19 ft	Bridge Deck View	
Average Daily Traffic: 1,214	Truck% 12%	Number of Lanes: 2	NHS: No	
Vertical Clearance: NA	Detour Length (miles): 11		Appr Rdway Width: 30.0 ft	
Design Load: H 15	HS: 0.84	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 30.00	A1: 0.99	BL Load:	16,500	
Inv Rating: 19.00	A2: 1.08	CL-8 Load:	21,000	
	A3: 1.20	SA Load:	41,000	
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 4/14/2005	Structr Adequacy: 4			
Superstr Code: 5	Safe Load: 4			
Substr Code: 4	Deck Geometry: 4			
Deck Code: 3	Underclearance: 9			
Scour: 5	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 36 ft.	Bridge \$'s:	\$2,520,000		
New Bridge Length: 175 ft.	Total \$'s:	\$5,283,000		
Priority Array #: 11				
PIN Number: 450607A				
WIN Number: D50607A	Repl/Rehab Year:	2011		
Contract Number:	Ad Date:			



THIS BRIDGE IS CLASSIFIED "SD" DUE TO A DECK AND SUBSTRUCTURE CONDITION.
 This bridge was added to the Bridge Replacement Priority Array in 2000.

The Bridge Inspection Report says the deck has a 6" thick ACP overlay has many cracks and patches. Many timber lams in deck (3"x4") have center rot starting from the North edge and continuing 2' to 8' into the deck. The Stringer 10 has been replaced; Stringer 20 and 30 are Red Tagged and have 2" and 1/2" shell on 5" section under scupper. The Piles are checked, weathered, and split. Pile 3D has a 2" shell and a 6" rot pocket near the top (Y.T.); Pile 4D has a 1/4" wide check - 16 feet long; Pile 6D has a 2" shell with a 4" rot pocket ranging from 6' - 15' from the ground and has bug borer holes throughout (Y.T.); Pile 7D has a 2" shell with 4" rot pocket along the top 6 feet (Y.T.).



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 507 / 8	Structure ID 000000HV	Bridge Name: SKOOKUMCHUCK R	Milepost: 2.36	Region: Southwest
Year Built / YR Widened: 1928	Bridge Type: STrus CS		Number of Main/Appr span 1 / 2	Sufficiency Rating: 42.09 FO
Bridge Width (curb-curb): 20.0 ft	Bridge Length: 186 ft	Max Span: 149 ft	Bridge Deck View	
Average Daily Traffic: 9,082	Truck% 5%	Number of Lanes: 2	NHS: No	
Vertical Clearance: 14 FT 08 in	Detour Length (miles): 6		Appr Rdway Width: 32.0 ft	
Design Load:	HS: 0.78	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 37.00	A1: 1.12	BL Load:		
Inv Rating: 22.00	A2: 1.23	CL-8 Load:		
	A3: 1.19	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 5/21/2007	Structr Adequacy: 5			
Superstr Code: 5	Safe Load: 5			
Substr Code: 5	Deck Geometry: 2			
Deck Code: 6	Underclearance: 9			
Scour: 5	Waterway: 6			
Proposed Bridge Replacement Information				
New Bridge Width: 40 ft.	Bridge \$'s: \$3,056,000			
New Bridge Length: 191 ft.	Total \$'s: \$7,640,000			
Priority Array #: 26				
PIN Number:				
WIN Number:	Repl/Rehab Year:			
Contract Number:	Ad Date:			
<p>This bridge is on the north city limits of Centralia. The bridge is coded "FO" due to the deck geometry appraisal code. This bridge has the 3rd highest ADT out of the 26 WSDOT owned bridges with a curb to curb width of 20 feet or less.</p> <p>Span 2 is a thru truss. The truss has traffic impacts from 2001 and 2006. All sway bracing were raised 2 ft. in 2002. South portal frame is slightly pushed up. Upper lateral strut at sway frame 3 is bent and rotated up in the north-south plane. North portal hit and pushed 2" to 6" in the north and south directions as well as upward.</p> <p>Superstructure coded a '5' based on Pier 3 diaphragm distress and high load damage to steel truss. Substructure coded '5' due to apparent movement of the soil causing distress in Pier 3 diaphragm.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 508 / 12	Structure ID 000000IJ	Bridge Name: S FK NEWAUKUM R	Milepost: 13.65	Region: Southwest
Year Built / YR Widened: 1930	Bridge Type: STrus TTC		Number of Main/Appr span 1 / 7	Sufficiency Rating: 46.90 SD
Bridge Width (curb-curb): 20.0 ft	Bridge Length: 197 ft	Max Span: 90 ft	Bridge Deck View	
Average Daily Traffic: 1,374	Truck% 14%	Number of Lanes: 2	NHS: No	
Vertical Clearance: NA	Detour Length (miles): 23		Appr Rdway Width: 26.0 ft	
Design Load: Unknown	HS: 0.79	Load Restricted Bridge? <input checked="" type="checkbox"/>		
Op Rating: 37.00	A1: 1.09	BL Load:	16,000	
Inv Rating: 22.00	A2: 0.91	CL-8 Load:	18,000	
	A3: 0.91	SA Load:	34,000	
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 3/7/2006	Structr Adequacy:	5		
Superstr Code: 5	Safe Load:	4		
Substr Code: 5	Deck Geometry:	2		
Deck Code: 3	Underclearance:	9		
Scour: 3	Waterway:	8		
Proposed Bridge Replacement Information				
New Bridge Width: 36 ft.	Bridge \$'s:	\$2,908,800		
New Bridge Length: 202 ft.	Total \$'s:	\$5,817,600		
Priority Array #: 22				
PIN Number:				
WIN Number:	Repl/Rehab Year:	2015		
Contract Number:	Ad Date:			
<p>THIS BRIDGE IS CLASSIFIED "SD" BASED ON THE DECK CONDITION. The ACP was removed in 2001 as part of contract 6020. The concrete deck is very deteriorated and has over 60% delaminations.</p> <p>There is 15% section loss in the floorbeam webs near the connections to the truss, and 10% section loss in the bottom flanges near the ends. Exterior stringers: Top flanges up to 15% section loss and bottom flanges up to 30% section loss. Worst case is Stringer 7-1A near north truss panel point L1 with about 10 ft. of bottom flange showing laminar rusting and 30% section loss. Floor system lateral bracing between L4-L5 is bent 4" over 9 ft.</p>				



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 508 / 23	Structure ID 000000CQ	Bridge Name: ALDER CR	Milepost: 22.65	Region: Southwest	
Year Built / YR Widened: 1937	Bridge Type: TTC	Number of Main/Appr span 3 / 0	Sufficiency Rating: 8.21 SD		
Bridge Width (curb-curb): 19.6 ft	Bridge Length: 88 ft	Max Span: 29 ft	<p align="center">Bridge Deck View</p> 		
Average Daily Traffic: 836	Truck% 14%	Number of Lanes: 2			NHS: No
Vertical Clearance: NA	Detour Length (miles): 50				Appr Rdway Width: 21.0 ft
Design Load: Unknown	HS: 1.03	Load Restricted Bridge? <input type="checkbox"/>			
Op Rating: 37.00	A1: 1.29	BL Load:			
Inv Rating: 26.00	A2: 1.31	CL-8 Load:			
	A3: 1.58	SA Load:			
<p align="center">Bridge Inspection Information</p> Date Inspected: 3/7/2006 Structr Adequacy: 3 Superstr Code: 3 Safe Load: 5 Substr Code: 3 Deck Geometry: 2 Deck Code: 3 Underclearance: 9 Scour: 5 Waterway: 8			<p align="center">Bridge Profile View</p> 		
<p align="center">Proposed Bridge Replacement Information</p> New Bridge Width: 32 ft. Bridge \$'s: \$1,280,000 New Bridge Length: 100 ft. Total \$'s: \$3,200,000 Priority Array #: 21 PIN Number: 450804A WIN Number: D50804A Repl/Rehab Year: Contract Number: Ad Date: 7/20/2009					
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO A DECK, SUPER AND SUBSTRUCTURE CONDITION.</p> <p>The inspection report indicates the timber deck was repaired in 1993 by maintenance forces. During the repair the timber deck was found to have many rotten areas. The maintenance forces indicated that more areas will need to be repaired in the future. There are numerous pot holes in the existing ACP. Column 2D is red tagged due to rot found in the bottom 4'. Column 3D has a helper column next to the original column.</p>					



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 508 / 25		Structure ID 000000JV		Bridge Name: CREEK		Milepost: 24.08		Region: Southwest	
Year Built / YR Widened: 1937		Bridge Type: TTC			Number of Main/Appr span 1 / 0		Sufficiency Rating: 34.67 SD		
Bridge Width (curb-curb): 19.7 ft		Bridge Length: 26 ft		Max Span: 24 ft		Bridge Deck View 			
Average Daily Traffic: 697		Truck% 14%	Number of Lanes: 2	NHS: No					
Vertical Clearance: NA		Detour Length (miles): 50		Appr Rdway Width: 20.0 ft					
Design Load: Unknown		HS: 1.14	Load Restricted Bridge? <input checked="" type="checkbox"/>	BL Load: 18,000					
Op Rating: 41.00		A1: 1.29	CL-8 Load: 21,500	SA Load: 39,000					
Inv Rating: 28.00		A2: 1.37	SA Load: 39,000						
Bridge Inspection Information									
Date Inspected: 11/2/2005		Structr Adequacy: 4		Superstr Code: 4		Safe Load: 5		Substr Code: 4	
		Deck Geometry: 2		Underclearance: 9		Waterway: 3		Scour: 3	
Proposed Bridge Replacement Information									
New Bridge Width: 32 ft.		Bridge \$'s: \$512,000		New Bridge Length: 40 ft.		Total \$'s: \$1,044,958		Priority Array #: 25	
PIN Number: 450807A		Repl/Rehab Year: 2009		WIN Number: D50807A		Ad Date: 7/20/2009		Contract Number:	
Bridge Profile View 									
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO A DECK, SUPER AND SUBSTRUCTURE CONDITION.</p> <p>The ACP is breaking up in the east bound lane with open alligator cracking. Water leaks through the deck before it can run off the bridge. The deck planks are wet, spongy and starting to rot in the area of the breaking up ACP. There are 12 lines of stringers, most of them are wet. Most stringers are mud stained with weather checks in a few locations. The north section of the timber cap @ Pier 2 has a 1.5 inch shell over pile 2A and a 1 inch shell over pile 2C. It has been red tagged and needs to be replaced. Pile 1A is wet, soft and punky. Pile 1B has a vertical split on the NW corner with surface insect infestation. Pile 1D has a vertical split on the south face with surface insect rot up to 1/2 inch deep. Pile 2E is red tagged today with a 1.5 inch shell.</p>									



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 509 / 5A		Structure ID 0005452A		Bridge Name: MURRAY MORGAN BR CS2749		Milepost: 0.22		Region: Olympic		
Year Built / YR Widened: 1911 / 1957		Bridge Type: SLS STRus SG PCB			Number of Main/Appr span 1 / 21		Sufficiency Rating: 2.00 SD			
Bridge Width (curb-curb): 26.0 ft		Bridge Length: 1,748 ft		Max Span: 221 ft		Bridge Deck View 				
Average Daily Traffic: 1,300		Truck%:	Number of Lanes: 2	NHS: YES						
Vertical Clearance: 18 FT 00 in		Detour Length (miles): 1			Appr Rdway Width: 56.0 ft					
Design Load: HS 20		HS: 0.80	Load Restricted Bridge? <input checked="" type="checkbox"/>							
Op Rating: 13.00		A1: 1.10	BL Load:							
Inv Rating: 8.00		A2: 1.10	CL-8 Load:							
		A3: 1.20	SA Load:				Bridge Profile View 			
Bridge Inspection Information										
Date Inspected: 3/12/2007		Structr Adequacy: 2								
Superstr Code: 3		Safe Load: 0								
Substr Code: 4		Deck Geometry: 3								
Deck Code: 3		Underclearance: 2								
Scour: 5		Waterway: 8								
Proposed Bridge Replacement Information										
New Bridge Width: ft.		Bridge \$'s:								
New Bridge Length: ft.		Total \$'s: \$26,374,550								
Priority Array #: 3										
PIN Number: 350904A										
WIN Number: C50904C		Repl/Rehab Year: 2011								
Contract Number:		Ad Date: 5/16/2011								

THIS BRIDGE IS CLASSIFIED "SD" DUE TO A DECK, SUPER AND SUBSTRUCTURE CONDITION. This is a Movable Steel bridge built in 1911. This bridge provides local access from downtown Tacoma to the Port of Tacoma. The new SR509 cable-stayed bridge provides the main route from the city of Tacoma to the Port of Tacoma. The bridge is on a 6-month inspection cycle. The deck and many steel truss and substructure concrete elements are in poor condition. Rehabilitation of the bridge is not feasible based the amount of deterioration and the cost to replace the primary members. There have been several meetings with the Region and Local Agencies to discuss the removal and replacement options.

The Bridge Office recommends removal of the bridge.



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 524 / 15		Structure ID 08173200		Bridge Name: SWAMP CREEK		Milepost: 6.68		Region: Northwest		
Year Built / YR Widened: 1935		Bridge Type: TTC			Number of Main/Appr span 1 / 0		Sufficiency Rating: 45.66 FO			
Bridge Width (curb-curb): 20.1 ft		Bridge Length: 31 ft		Max Span: 29 ft		Bridge Deck View				
Average Daily Traffic: 16,579		Truck% 4%	Number of Lanes: 2		NHS: No					
Vertical Clearance: NA	Detour Length (miles): 6			Appr Rdway Width: 25.0 ft						
Design Load: H 20	HS: 1.10	Load Restricted Bridge? <input checked="" type="checkbox"/>		A1: 1.37	BL Load:					
Op Rating: 40.00	A2: 1.39	CL-8 Load:		A3: 1.68	SA Load:					
Inv Rating: 22.00										
Bridge Inspection Information					Bridge Profile View					
Date Inspected: 7/27/2005		Structr Adequacy: 5								
Superstr Code: 6	Safe Load: 5									
Substr Code: 5	Deck Geometry: 2									
Deck Code: 6	Underclearance: 9									
Scour: 3	Waterway: 8									
Proposed Bridge Replacement Information										
New Bridge Width: 36 ft.		Bridge \$'s: \$518,400								
New Bridge Length: 36 ft.		Total \$'s: \$1,296,000								
Priority Array #: 13										
PIN Number:										
WIN Number:		Repl/Rehab Year:								
Contract Number:					Ad Date:					

This bridge has the highest ADT out of the 26 WSDOT owned bridges with a curb to curb width of 20 feet or less.

Scour hole approximately 18" below the bottom of the planks redirecting the stream flow at the base of the West Abutment, north half-- not completed as of 7/25/06.

Substructure coded 5 due to temporary shoring and yellow tagged piles.



2009-11 Bien P2 Bridge Replacements/Rehab Candidates

Bridge Number: 548 / 10		Structure ID 08061500		Bridge Name: DAKOTA CR		Milepost: 11.54		Region: Northwest	
Year Built / YR Widened: 1930 / 1951		Bridge Type: SRB TTC		Number of Main/Appr span 1 / 4		Sufficiency Rating: 34.85 SD			
Bridge Width (curb-curb): 23.7 ft		Bridge Length: 182 ft		Max Span: 80 ft		Bridge Deck View			
Average Daily Traffic: 6,800		Truck% 14%	Number of Lanes: 2		NHS: No				
Vertical Clearance: NA		Detour Length (miles): 3		Appr Rdway Width: 27.0 ft					
Design Load: H 15		HS: 0.44	Load Restricted Bridge? <input checked="" type="checkbox"/>						
Op Rating: 24.00		A1: 0.60	BL Load: 21,500						
Inv Rating: 14.00		A2: 0.53	CL-8 Load: 21,500						
		A3: 0.54	SA Load:						
Bridge Inspection Information					Bridge Profile View				
Date Inspected: 6/18/2007		Structr Adequacy: 2							
Superstr Code: 5		Safe Load: 0							
Substr Code: 5		Deck Geometry: 2							
Deck Code: 6		Underclearance: 9							
Scour: 5		Waterway: 8							
Proposed Bridge Replacement Information									
New Bridge Width: 42 ft.		Bridge \$'s: \$7,560,000							
New Bridge Length: 450 ft.		Total \$'s: \$14,144,629							
Priority Array #: 10									
PIN Number: 154816A									
WIN Number: A54816A		Repl/Rehab Year: 2010							
Contract Number:		Ad Date:							

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

The ownership of this bridge was transferred from Whatcom County to the state as part of the 1992 Route Jurisdictional Transfer.

This bridge has a posted 15 ton weight limit due to the design of the steel and timber girders. The steel beams are rusty with some pitted areas. There are two yellow tagged piles in the treated timber approach spans.

