

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
17	090/322S	SR 261 OC	221.95	Eastern	169	Replace Bridge
18	090/322N	SR 261 OC	221.95	Eastern	169	Replace Bridge
23	020/924	DAVIS CR	423.75	Eastern	77	Replace Bridge
27	031/038	SULLIVAN CR	14.79	Eastern	182	Replace Bridge

Total Number of Bridges = 4



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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: 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>									

