

**WSDOT Bridge Preservation - Replacement/Rehab Projects
Funded by the 2005 Transportation Partnership Account**

(Sorted by Bridge Number)

Bridge Number	Bridge Name	Yr Blt	Mile Post	Region	PIN #	CPMS Ad-Date	Project Total\$'s
5/539E	NB VIADUCT STA 2085	1966	162.98	Northwest	100511J	4/9/2007	\$11,409,000
5/539W	SB VIADUCT STA 2075	1967	162.98	Northwest	100582S	10/2/2006	\$3,910,000
9/134	PILCHUCK CR	1916	34.85	Northwest	100934R	1/1/2011	\$6,000,000
99/538	SPOKANE ST-Timber Spans	1959	29.15	Northwest	109935A	12/1/2009	\$13,500,000
529/25	EBEY SLOUGH CS3116	1925	6.21	Northwest	152908E	10/1/2008	\$25,794,000
532/2	GEN MARK W. CLARK MEM B	1949	3.39	Northwest	153203D	10/1/2008	\$18,000,000
542/29	BOULDER CR	1952	28.34	Northwest	154229A	10/1/2007	\$6,054,000
Total Number of Bridges = 7						Totals:	\$84,667,000



Bridge Rehabilitation - 2005 TPA

BRIDGE NUMBER: 5 / 539E		BRIDGE NAME: NB VIADUCT STA 2085		REGION: Northwest	MILEPOST: 163.24
YEAR BUILT / YR WIDENED: 1966 / 1992		CONTRACT NO.(S): 07741 , 13817		SUFFICIENCY RATING: 39.98 SD	
BRIDGE TYPE: CS DECK TYPE: Conc cast-in-place Main Span DECK THICKNESS: 18.0 in.			EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete		
BRIDGE WIDTH (curb-to-curb): 70.0 ft.		BRIDGE LENGTH: 5,825 ft.		<p align="center">Bridge View</p> 	
AVERAGE DAILY TRAFFIC (ADT): 79,346		NUMBER OF LANES: 5			
BRIDGE RAIL TYPE: New Jersey Barrier					
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt			
VERTICAL CLEARANCE: NA					
BRIDGE DECK SURVEY					
DELAMINATION RESULTS: 2,476 sq ft		0.6% of deck		DATE 6 / 90	
CHLORIDE RESULTS: 25 % are > 2 lbs./CY				6 / 90	
REBAR RESULTS: 4 % are < or = 1 inch				6 / 84	
EXPANSION JOINTS					
Modifications are required to the existing steel sliding plate expansion joints to accommodate the new overlay, coordinate with the Bridge Office.					
DECK PROTECTIVE SYSTEM RECOMMENDATIONS					
PROTECTIVE OVERLAY RECOMMENDED?: Yes			TYPE RECOMMENDED: 3/4" Polyester		
COMMENTS: The 12/14/2000 Bridge Inspection Report notes heavy rutting in the wheel lines with areas of exposed rebar. We recommend adding a 3/4" Polyester concrete overlay. This work is funded as is included in the 2005 Transportation Partnership Account.					
REVIEWED BY: <i>Bruce Thill</i>				DATE: 2/2/2006	

Bridge Rehabilitation - 2005 TPA

Bridge Number: 5 / 539W		Structure ID 0007741D		Bridge Name: SB VIADUCT STA 2075		Milepost: 162.98		Region: Northwest	
Year Built / YR Widened: 1967 / 1992		Bridge Type: CS		Bridge Length: 6,622 ft		Bridge Width (curb-curb): 68.0 ft		Sufficiency Rating: 52.23	
Average Daily Traffic: 79,346		Truck% 7%		Detour (miles) 2		Num of Lanes: 5			
Date Inspected: 11/24/2003		Structr Adequacy: 4		Superstr Code: 5		Safe Load: 5			
Substr Code: 6		Scour: N							
BMS Element Num: 408		BMS Element Descr: Exp Jnt - Steel Sliding Plate				BMS Element Quantity: 2,700 Feet			
Project Number: 100582S		2003-05 Priority#:		Repair Year:		2005-07 Priority#: 20			
CPMS Ad Date: 2/26/2007		Bridge \$'s: \$1,620,000		Repair Total\$'s: \$3,910,000					
									
<p>Repair Description: Replace the steel sliding plate expansion joints at 41 locations.</p>									
<p>COMMENTS</p> <p>Sections of the existing steel sliding plate expansion joints are loose. These expansion joints need to be replaced.</p> <p>A project to replace the expansion joints is included and funded by the 2005 Transportation Partnership Account.</p>									



Bridge Replacements - 2005 TPA

Bridge Number: 9 / 134	Structure ID 000000FX	Bridge Name: PILCHUCK CR	Milepost: 34.85	Region: Northwest
Year Built / YR Widened: 1916	Bridge Type: CA		Number of Main/Appr span 2 / 0	Sufficiency Rating: 60.80 FO
Bridge Width (curb-curb): 16.8 ft	Bridge Length: 120 ft	Max Span: 55 ft	Bridge Deck View	
Average Daily Traffic: 1,461	Truck% 10%	Number of Lanes: 2	NHS: No	
Vertical Clearance: NA	Detour Length (miles): 39		Appr Rdway Width: 22.0 ft	
Design Load: Unknown	HS: 1.30	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 61.00	A1: 1.70	BL Load:		
Inv Rating: 36.00	A2: 1.65	CL-8 Load:		
	A3: 2.16	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 8/22/2004	Structr Adequacy: 5			
Superstr Code: 5	Safe Load: 5			
Substr Code: 5	Deck Geometry: 2			
Deck Code: 9	Underclearance: 9			
Scour: 2	Waterway: 6			
Proposed Bridge Replacement Information				
New Bridge Width: 36 ft.	Bridge \$'s: \$900,000			
New Bridge Length: 125 ft.	Total \$'s: \$6,000,000			
Priority Array #:	Repl/Rehab Year: 2011			
PIN Number: 100934R	Ad Date: 1/1/2011			
WIN Number: A00934R	Prelim Plan?:			
Contract Number:	Funding Cat: 2005 TPA			
This bridge is funded for replacement through the 2005 Transportation Partnership Account.				



Bridge Replacements - 2005 TPA

Bridge Number: 99 / 538	Structure ID 0005758A	Bridge Name: SPOKANE ST OC	Milepost: 29.15	Region: Northwest
Year Built / YR Widened: 1959	Bridge Type: SB CBOX TTT		Number of Main/Appr span 3 / 64	Sufficiency Rating: 47.93 SD
Bridge Width (curb-curb): 76.0 ft	Bridge Length: 3,113 ft	Max Span: 75 ft	Bridge Deck View	
Average Daily Traffic: 47,200	Truck% 5%	Number of Lanes: 6	NHS: YES	
Vertical Clearance: NA	Detour Length (miles): 3		Appr Rdway Width: 78.0 ft	
Design Load: HS 20	HS: 0.85	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 43.00	A1: 1.17	BL Load:		
Inv Rating: 26.00	A2: 1.11	CL-8 Load:		
	A3: 1.12	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 6/18/2003	Structr Adequacy: 4			
Superstr Code: 6	Safe Load: 5			
Substr Code: 4	Deck Geometry: 4			
Deck Code: 5	Underclearance: 4			
Scour: N	Waterway: 9			
Proposed Bridge Replacement Information				
New Bridge Width: 76 ft.	Bridge \$'s: \$7,000,000			
New Bridge Length: 3,113 ft.	Total \$'s: \$13,500,000			
Priority Array #: 34	Repl/Rehab Year: 2010			
PIN Number: 109935A	Ad Date: 12/1/2009			
WIN Number: A09935A	Prelim Plan?: NO			
Contract Number:	Funding Cat: 2005 TPA			
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO THE SUBSTRUCTURE CODE. This Timber span was built in 1959. This bridge was added to the Bridge Replacement Priority Array in 2000.</p> <p>Beginning at the south abutment, 456' of the bridge was built with a treated timber substructure supporting a concrete deck. This timber approach span will be replaced. There are 45 lines of 5-3/4" x 17" Timber Sawn Girders. Most are in fair condition with one (130) having a 1" shell near bent 14. There are 2200 LF of timber caps with 93 LF currently "Red Tagged" because of rotten areas. The City of Seattle Maintenance Office has replaced the "Red-Tagged" timber caps thru a maintenance agreement with WSDOT. There are 13 timber piles per bent. Many have splits that are up to 1/2" wide.</p> <p>This bridge is funded for replacement with the 2005 Transportation Partnership Account and P2 Pre-Existing Funds.</p>				



Bridge Replacements - 2005 TPA

Bridge Number: 529 / 25	Structure ID 0000965D	Bridge Name: EBEY SLOUGH	CS3116	Milepost: 6.21	Region: Northwest
Year Built / YR Widened: 1925	Bridge Type: SS CTB	Number of Main/Appr span 2 / 8	Sufficiency Rating: 39.99 SD		
Bridge Width (curb-curb): 24.0 ft	Bridge Length: 695 ft	Max Span: 143 ft	<p align="center">Bridge Deck View</p> 		
Average Daily Traffic: 13,700	Truck% 7%	Number of Lanes: 2			
Vertical Clearance: 14 FT 05 in	Detour Length (miles): 2	Appr Rdway Width: 36.0 ft		<p align="center">Bridge Profile View</p> 	
Design Load: H 20	HS: 0.75	Load Restricted Bridge? <input checked="" type="checkbox"/>			
Op Rating: 44.00	A1: 0.97	BL Load:	17,000		
Inv Rating: 26.00	A2: 1.01	CL-8 Load:	18,000		
	A3: 1.14	SA Load:	37,500		
<p align="center">Bridge Inspection Information</p>					
Date Inspected: 9/1/2004	Superstr Code: 4	Substr Code: 5	Deck Code: 4	Scour: 5	Structr Adequacy: 4 Safe Load: 4 Deck Geometry: 2 Underclearance: 9 Waterway: 8
<p align="center">Proposed Bridge Replacement Information</p>					
New Bridge Width: 68 ft.	Bridge \$'s: \$8,000,000				
New Bridge Length: 722 ft.	Total \$'s: \$25,794,000				
Priority Array #: 22	Repl/Rehab Year: 2009				
PIN Number: 152908E	Ad Date: 10/1/2008				
WIN Number: A52908E	Prelim Plan?: YES				
Contract Number:	Funding Cat: 2005 TPA				
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO THE DECK AND SUPERSTRUCTURE CODES. This bridge was added to the Bridge Replacement Priority Array in 1998.</p> <p>Many of the steel stringers have rusted areas through the paint. There is heavy Laminar rust in the stringer top flanges at floorbeams with deck joints. Some top flanges are rusted to knife edges. Stringer connections have rust pack out and up to 50% section loss on rivet heads. In span one, on truss stringer I, floorbeam L4 has 100% section loss of the bottom flange. Several top & bottom flanges of stringers have from 5% to 15% section loss due to laminar rust.</p> <p>The Bridge Office and the Northwest Region have determined (with Coast Guard approval) that the new bridge will be a fixed span bridge.</p> <p>This bridge is funded for replacement through the 2005 Transportation Partnership Account.</p>					



Bridge Replacements - 2005 TPA

Bridge Number: 532 / 2	Structure ID 0003666B	Bridge Name: GEN MARK W. CLARK MEM BR	Milepost: 3.39	Region: Northwest
Year Built / YR Widened: 1949	Bridge Type: SB CTB		Number of Main/Appr span 3 / 4	Sufficiency Rating: 40.45 FO
Bridge Width (curb-curb): 26.0 ft	Bridge Length: 487 ft	Max Span: 120 ft	Bridge Deck View	
Average Daily Traffic: 13,004	Truck% 5%	Number of Lanes: 2	NHS: No	
Vertical Clearance: NA	Detour Length (miles): 99		Appr Rdway Width: 38.0 ft	
Design Load: HS 20	HS: 0.85	Load Restricted Bridge? <input type="checkbox"/>		
Op Rating: 36.00	A1: 1.26	BL Load:		
Inv Rating: 22.00	A2: 1.03	CL-8 Load:		
	A3: 1.15	SA Load:		
Bridge Inspection Information			Bridge Profile View	
Date Inspected: 4/21/2005	Structr Adequacy: 5			
Superstr Code: 5	Safe Load: 5			
Substr Code: 7	Deck Geometry: 3			
Deck Code: 6	Underclearance: 9			
Scour: 5	Waterway: 8			
Proposed Bridge Replacement Information				
New Bridge Width: 40 ft.	Bridge \$'s: \$3,936,000			
New Bridge Length: 492 ft.	Total \$'s: \$18,000,000			
Priority Array #:	Repl/Rehab Year: 2009			
PIN Number: 153203D	Ad Date: 10/1/2008			
WIN Number: A53203D	Prelim Plan?:			
Contract Number:	Funding Cat: 2005 TPA			
This bridge is funded for replacement through the 2005 Transportation Partnership Account.				



Bridge Replacements - 2005 TPA

Bridge Number: 542 / 29		Structure ID 0004190A		Bridge Name: BOULDER CR		Milepost: 28.34		Region: Northwest		
Year Built / YR Widened: 1952		Bridge Type: CS		Number of Main/Appr span 5 / 0		Sufficiency Rating: 48.48 SD				
Bridge Width (curb-curb): 27.3 ft		Bridge Length: 72 ft		Max Span: 23 ft		Bridge Deck View				
Average Daily Traffic: 2,133		Truck% 12%	Number of Lanes: 2		NHS: No					
Vertical Clearance: NA		Detour Length (miles): 99		Appr Rdway Width: 28.0 ft						
Design Load: HS 15		HS: 1.31	Load Restricted Bridge? <input type="checkbox"/>							
Op Rating: 49.00		A1: 1.56	BL Load:				Bridge Profile View			
Inv Rating: 29.00		A2: 1.52	CL-8 Load:							
		A3: 1.81	SA Load:							
Bridge Inspection Information										
Date Inspected: 5/10/2005		Structr Adequacy: 5								
Superstr Code: 7		Safe Load: 5								
Substr Code: 5		Deck Geometry: 3								
Deck Code: 4		Underclearance: 9								
Scour: 5		Waterway: 2								
Proposed Bridge Replacement Information										
New Bridge Width: 43 ft.		Bridge \$'s: \$600,000								
New Bridge Length: 136 ft.		Total \$'s: \$6,054,000								
Priority Array #: 20		Repl/Rehab Year: 2008								
PIN Number: 154229A		Ad Date: 10/1/2007								
WIN Number: A54229A		Prelim Plan?: YES								
Contract Number:		Funding Cat: 2005 TPA								
<p>THIS BRIDGE IS CLASSIFIED "SD" DUE TO THE DECK CODE.</p> <p>This bridge was added to the Bridge Replacement Priority Array in 1990. There are no alternative routes when the road is closed due to stream debris overflow. Boulder Creek frequently carries large amounts of sediment and rocks. The creek has filled up the existing channel twice in the past 10 years and cost the maintenance office approximately \$400,000 to fix. The Maintenance office has also spent \$180,000 to routinely clean out the channel over the past 10 years. Currently, the center span is nearly filled in. The new bridge will be a prestressed girder and have a 32' roadway and a 10' sidewalk/bike lane. The new bridge will have 11' of clearance from the bottom of the girders to the normal high water flow level. The Bridge PS&E has been completed and placed "on-the-shelf".</p> <p>This bridge is funded for replacement through the 2005 Transportation Partnership Account.</p>										

