

P2 Bridge Preservation - Concrete Deck Repair / Overlay Projects



2009-11 Bien Priority Array

(Sorted by Priority Number)



09-11 #	Bridge Number	Bridge Name	Mile post	Region	Future Work Description	Bridge Item\$'s
	090/121	EAST EASTON UC	71.56		Bridge Deck Overlay - HMA	\$275,556
1	090/132S	YAKIMA R	78.81		Bridge Deck Overlay - MC	\$253,380
1	153/010	METHOW R	11.83		Bridge Deck Overlay - HMA	\$205,632
1	153/003	METHOW R	3.66		Bridge Deck Overlay - HMA	\$133,560
2	082/020N	MILITARY RD OC	11.62		Bridge Deck Overlay - MC	\$194,256
3	097/540	OKANOGAN R GN RY OC	310.61		Bridge Deck Overlay - MC	\$565,422
4	026/156	PALOUSE R	96.85		Bridge Deck Overlay - MC	\$236,640
5	090/510N	MEDICAL LAKE RD OC	269.87		Bridge Deck Overlay - MC	\$157,410
6	090/510S	MEDICAL LAKE RD OC	269.87		Bridge Deck Overlay - MC	\$157,410
7	090/512N	BN RR OC (NP)	270.10		Bridge Deck Overlay - MC	\$173,651
8	090/512S	BN RR OC (NP)	270.10		Bridge Deck Overlay - MC	\$173,651
9	090/566	ALTAMONT ST OC	283.03		Bridge Deck Overlay - MC	\$398,742
10	090/570	HAVANA ST OC	284.35		Bridge Deck Overlay - MC	\$382,208
11	005/417	CLOVER CR	125.64		Bridge Deck Overlay - RSLMC	\$536,394
12	090/078N	SR 18 OC	25.55		Bridge Deck Overlay - HMA	\$119,905
13	128/010	SNAKE R - RED WOLF BR	0.22		Bridge Deck Overlay - MC	\$1,541,696
14	090/152S	WEST SIDE CANAL	100.55		MCO Mill hydro	\$80,910
15	090/150S	TANEUM CR	97.27		MCO Mill hydro	\$139,412
16	090/156S	DRY CR	104.71		MCO Mill hydro	\$301,903
17	090/152N	WEST SIDE CANAL	100.55		MCO Mill hydro	\$74,931
18	090/150N	TANEUM CR	97.27		MCO Mill hydro	\$139,412
19	090/156N	DRY CR	104.71		MCO Mill hydro	\$301,903
20	203/104	DRAINAGE OVERFLOW	22.05		MCO Deck Prep Slab	\$81,840
21	012/329	COWICHE CR	199.21		MCO Hydro Orig deck	\$203,470
22	090/126S	BIG CR	75.36		RSLMC or Poly deck prep	\$174,646
23	090/316N	N PAHA PACKARD RD OC	215.24		Bridge Deck Overlay - MC	\$128,435
24	090/316S	N PAHA PACKARD RD OC	215.24		Bridge Deck Overlay - MC	\$128,435
25	082/213S	CHANDLER CANAL BRIDGE	81.86		MCO orig deck	\$134,548
26	090/162N	WILSON CR	109.13		MCO Mill deck prep	\$197,935
27	082/217	I-82 OC, WINE COUNTRY RD	82.34		MCO hydro patches	\$392,995
28	005/534S-W	S-W RAMP LUCILE ST OC	161.28		MCO Hydro Orig deck	\$372,767
29	410/048	PSPL CO CANAL	21.80		Bridge Deck Overlay - HMA	\$37,062
30	090/134N	CLE ELUM R	80.79		MCO Mill & hydro	\$249,342
31	082/010S	SR 821 OC THRALL RD	3.22		MCO Mill hydro bad const	\$429,329



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09-11 #	Bridge Number	Bridge Name	Mile post	Region	Future Work Description	Bridge Item\$'s
32	025/130	COLUMBIA R @ NORTHPORT	113.92		MCO hydro	\$727,870
33	203/106	SKYKOMISH R	23.20		Bridge Deck Overlay - RSLMC	\$524,883
34	203/003	SLOUGH	0.49		0.25 HMA/Mem Spalling	\$28,567
35	261/120	TUCANNON R	10.27		Bridge Deck Overlay - MC	\$145,355
36	090/118N	KACHESS R	69.49		RSLMC Mill hydro 2.6%	\$287,494
37	021/224	SINKING CR	85.16		HMA / mem - Protect Slab	\$28,277
38	432/010S	COWLITZ R & NP RY OC	9.58		MCO & Hydro rebar	\$952,786
39	006/123	CHEHALIS R RIVERSIDE	50.94		HMA Deck Prep Rhab joints	\$112,183
40	018/017S	GREEN R (NEELEY BRIDGE)	6.62		Bridge Deck Overlay - RSLMC	\$378,103
41	018/031N	HOLDER CR HOBART RD OC	20.34		Bridge Deck Overlay - MC	\$324,649
42	005/536N-W	NB I5 to WB W SEA FRWY	162.98		Bridge Deck Overlay - RSLMC	\$815,174
43	090/043S	MERCER SL	9.24		Bridge Deck Overlay - RSLMC	\$2,712,780
44	405/001	I-5 OC	0.00		Bridge Deck Overlay - RSLMC	\$668,001
45	090/540N	HANGMAN CR	279.49		Bridge Deck Overlay - MC	\$1,171,433
46	090/540S	HANGMAN CR	279.49		Bridge Deck Overlay - MC	\$1,171,433
47	005/344S-E	I-5 OC, S-E RAMP	114.09		Bridge Deck Overlay - HMA	\$77,267
48	532/006	GN RY COUNTY RD OC	4.98		Bridge Deck Overlay - RSLMC	\$562,467
49	303/012	PORT WASHINGTON CS1840	0.73		Bridge Deck Overlay - RSLMC	\$1,841,293
50	153/020	METHOW R	22.31		Bridge Deck Overlay - HMA	\$90,202
51	153/017	METHOW R	18.91		Bridge Deck Overlay - HMA	\$69,763
52	153/016	METHOW R	16.85		Bridge Deck Overlay - HMA	\$92,232
53	005/511W	SR 516 OC	149.17		HMA Mill Fill 0.08'	\$146,930
54	005/525.5E	INTERURBAN AVE OC	155.98		HMA Mill Fill 0.08'	\$111,885
55	005/510E	S 260TH ST OC	147.64		HMA Mill Fill 0.08'	\$97,269
56	005/526W	DUWAMISH R BN & UP RR			HMA w new Thin overaly	\$340,932
57	005/526E	DUWAMISH R BN & UP RR OC			HMA Mill and Fill	\$345,240
58	520/016	108TH AVE NE OC	6.27		Bridge Deck Overlay - RSLMC	\$1,046,376

Total Number of Bridges = 61

Total of Bridge Item\$ = \$23,945,629



P2 Bridge Preservation - Concrete Deck Repair / Overlay Projects

2009-11 Bien Priority Array

(Sorted by State Route)



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11	005/417	CLOVER CR	125.64	OL	Bridge Deck Overlay - RSLM	\$536,394
55	005/510E	S 260TH ST OC	147.64	NW	HMA Mill Fill 0.08'	\$97,269
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57	005/526E	DUWAMISH R BN & UP RR OC		NW	HMA Mill and Fill	\$345,240
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39	006/123	CHEHALIS R RIVERSIDE	50.94	SW	HMA Deck Prep Rhab joints	\$112,183
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41	018/031N	HOLDER CR HOBART RD OC	20.34	NW	Bridge Deck Overlay - MC	\$324,649
37	021/224	SINKING CR	85.16	EA	HMA / mem - Protect Slab	\$28,277
32	025/130	COLUMBIA R @ NORTHPORT	113.92	EA	MCO hydro	\$727,870
4	026/156	PALOUSE R	96.85	EA	Bridge Deck Overlay - MC	\$236,640
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19	090/156N	DRY CR	104.71	SC	MCO Mill hydro	\$301,903
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26	090/162N	WILSON CR	109.13	SC	MCO Mill deck prep	\$197,935



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24	090/316S	N PAHA PACKARD RD OC	215.24	EA	Bridge Deck Overlay - MC	\$128,435
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6	090/510S	MEDICAL LAKE RD OC	269.87	EA	Bridge Deck Overlay - MC	\$157,410
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Total Number of Bridges = 61

Total of Bridge Item\$ = \$23,945,629





BRIDGE NUMBER: 5 / 344S-E	BRIDGE NAME: I-5 OC, S-E RAMP	REGION: Olympic	MILEPOST: 114.09
YEAR BUILT / YR WIDENED: 1968	CONTRACT NO.(S): 08100 , 14212, 15509	SUFFICIENCY RATING: 91.23	
BRIDGE TYPE: CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		3/8in Polymer-MMA	
DECK THICKNESS: (Main Span) 7.0 in.		Year Applied - 1993	
		Overlay Thickness - 0.3 inches	
BRIDGE WIDTH (curb-curb): 23.0 ft.	BRIDGE LENGTH: 369 ft.		
AVERAGE DAILY TRAFFIC (ADT): 7,521	NUMBER OF LANES: 1		
VERTICAL CLEARANCE			
VC Type: Undercrossing 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	
9	EXPANSION JOINTS		
Use Std. Plan A7, Transverse Joint Detail 1 at the ends of the bridge deck.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
54 sq ft 0.6% of deck		1 / 92	
CHLORIDE RESULTS:			
42 % are > 2 lbs./CY		05 / 86	
REBAR RESULTS:			
8 % are < or = 1 inch		6 / 84	
		REVIEWED BY: <i>Bruce Thill</i>	
		DATE: 12/13/2007	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 47	
		TYPE RECOMMENDED: HMA 0.25'	
COMMENTS:			
We recommend adding a 0.25' of ACP over the existing 3/8" Polymer overlay.			
Depth of HMA is not to exceed 0.25'.			



BRIDGE NUMBER: 5 / 417	BRIDGE NAME: CLOVER CR	REGION: Olympic	MILEPOST: 125.64																								
YEAR BUILT / YR WIDENED: 1957	CONTRACT NO.(S): 05523 , 09574 , 12808	SUFFICIENCY RATING: 85.00																									
BRIDGE TYPE: CS	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:																										
DECK TYPE: Conc cast-in-place	LMC Overlay																										
DECK THICKNESS: (Main Span) 13.0 in.	Year Applied - 1985																										
BRIDGE WIDTH (curb-curb): 194.0 ft.	Overlay Thickness - 1.5 inches																										
BRIDGE LENGTH: 69 ft.																											
AVERAGE DAILY TRAFFIC (ADT): 128,004																											
NUMBER OF LANES: 10																											
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																											
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DECK PROTECTIVE SYSTEM RECOMMENDATIONS																											
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 11 TYPE RECOMMENDED: Rapid Set LMC Overlay																											
COMMENTS: The existing LMC is debonding and breaking up near the ends of the bridge. The Olympic Region Maintenance Office reports that the concrete overlay has debonded in the vicinity of their deck repair areas. We recommend removing and replacing the existing LMC Overlay with a new 1.0" Polyester or 1.5" Rapid Set Concrete overlay.																											
REVIEWED BY: <i>Bruce Thill</i>			DATE: 12/13/2007																								



BRIDGE NUMBER: 5 / 510E		BRIDGE NAME: S 260TH ST OC		REGION: Northwest		MILEPOST: 147.64	
YEAR BUILT / YR WIDENED: 1960		CONTRACT NO.(S): 06186, 10342, 12404, 13850			SUFFICIENCY RATING: 60.81 FO		
BRIDGE TYPE: CVS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:					
DECK TYPE: Conc cast-in-place		ACP w/membrane					
DECK THICKNESS: (Main Span) 26.0 in.		Year Applied - 1976					
		Overlay Thickness - 1.8 inches					
BRIDGE WIDTH (curb-curb): 63.0 ft.		BRIDGE LENGTH: 162 ft.					
AVERAGE DAILY TRAFFIC (ADT): 80,000		NUMBER OF LANES: 4					
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 09-11 P2 Priority #: 55 TYPE RECOMMENDED: HMA Mill Fill 0.08'			
				COMMENTS: This bridge is on Interstate 5 and has concrete roadway approaches. The existing Asphalt with membrane overlay is in need of replacement. We recommend to remove and replace 0.08' of HMA, using 3/8" aggregate mix.			
BRIDGE DECK SURVEY							
DELAMINATION RESULTS: NA		DATE					
CHLORIDE RESULTS: 18 % are > 2 lbs./CY		6 / 87					
REBAR RESULTS: NA				REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	



BRIDGE NUMBER: 5 / 511W	BRIDGE NAME: SR 516 OC	REGION: Northwest	MILEPOST: 149.17
YEAR BUILT / YR WIDENED: 1962	CONTRACT NO.(S): 06820 , 15968	SUFFICIENCY RATING: 84.32	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		ACP Overlay	
DECK THICKNESS: (Main Span) 7.0 in.		Year Applied - 2002	
BRIDGE WIDTH (curb-curb): 71.2 ft.	BRIDGE LENGTH: 259 ft.		
AVERAGE DAILY TRAFFIC (ADT): 85,000	NUMBER OF LANES: 5		
VERTICAL CLEARANCE			
VC Type: SR 516 OC 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: 0.0 Lt 0.0 Rt	
403	EXPANSION JOINTS		
Modifications may be required to accommodate a new overlay.			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 53			
TYPE RECOMMENDED: HMA Mill Fill 0.08'			
COMMENTS:			
A 1.5" Modified Concrete overlay was specified as part of the widening project in 2002. The Modified Concrete overlay was deleted by change order and an ACP overlay was applied instead.			
We recommend to remove and replace 0.08' of HMA, using 3/8" aggregate mix.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
3 sq ft 0.0% of deck		6 / 87	
CHLORIDE RESULTS:			
18 % are > 2 lbs./CY		6 / 87	
REBAR RESULTS:			
16 % are < or = 1 inch		6 / 87	
REVIEWED BY: <i>Bruce Thill</i>			DATE: 12/13/2007



BRIDGE NUMBER: 5 / 525.5E	BRIDGE NAME: INTERURBAN AVE OC	REGION: Northwest	MILEPOST: 155.98
YEAR BUILT / YR WIDENED: 1966	CONTRACT NO.(S): 07618,12291,13182,14543	SUFFICIENCY RATING: 85.59 FO	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		ACP overlay	
DECK THICKNESS: (Main Span) 7.0 in.		Year Applied - 1982	
BRIDGE WIDTH (curb-curb): 76.0 ft.		Overlay Thickness - 1.8 inches	
BRIDGE LENGTH: 160 ft.			
AVERAGE DAILY TRAFFIC (ADT): 94,500			
NUMBER OF LANES: 5			
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			
404 407		EXPANSION JOINTS	
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: NA		DATE	
CHLORIDE RESULTS: 0 % are > 2 lbs./CY		1 / 85	
REBAR RESULTS: NA		REVIEWED BY: <i>Bruce Thill</i>	
		DATE: 12/13/2007	
		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 54 TYPE RECOMMENDED: HMA Mill Fill 0.08' COMMENTS: If ride improvement is needed We recommend to remove and replace 0.08' of HMA, using 3/8" aggregate mix.	



BRIDGE NUMBER: 5 / 526E	BRIDGE NAME: DUWAMISH R BN & UP RR OC	REGION: Northwest	MILEPOST: 156.34
YEAR BUILT / YR WIDENED: 1964 / 1997	CONTRACT NO.(S): 07171,10342,13182,14543	SUFFICIENCY RATING: 83.86 FO	
BRIDGE TYPE: SG CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		ACP overlay	
DECK THICKNESS: (Main Span) 9.0 in.		Year Applied - 1976	
		Overlay Thickness - 1.5 inches	
BRIDGE WIDTH (curb-curb): 69.0 ft.	BRIDGE LENGTH: 812 ft.		
AVERAGE DAILY TRAFFIC (ADT): 100,500	NUMBER OF LANES: 5		
VERTICAL CLEARANCE			
VC Type: Minimum VC = 18 FT 08 in			
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	
412	EXPANSION JOINTS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: No 09-11 P2 Priority #: 57			
TYPE RECOMMENDED: None			
COMMENTS:			
If ride improvement is needed We recommend to remove and replace 0.08' of HMA, using 3/8" aggregate mix.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: NA		DATE	
CHLORIDE RESULTS: 12 % are > 2 lbs./CY		3 / 85	
REBAR RESULTS: NA		REVIEWED BY: <i>Bruce Thill</i>	
		DATE: 12/13/2007	



BRIDGE NUMBER: 5 / 526W	BRIDGE NAME: DUWAMISH R BN & UP RR	REGION: Northwest	MILEPOST: 156.35
YEAR BUILT / YR WIDENED: 1964 / 1996	CONTRACT NO.(S): 07171,10342,13182,14543	SUFFICIENCY RATING: 71.22 FO	
BRIDGE TYPE: SG CBox	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: ACP overlay		
DECK TYPE: Conc cast-in-place	Year Applied - 1986		
DECK THICKNESS: (Main Span) 9.0 in.	Overlay Thickness - 1.5 inches		
BRIDGE WIDTH (curb-curb): 68.0 ft.	BRIDGE LENGTH: 812 ft.		
AVERAGE DAILY TRAFFIC (ADT): 100,500	NUMBER OF LANES: 5		
VERTICAL CLEARANCE			
VC Type: Minimum VC = 17 FT 03 in			
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	
412	EXPANSION JOINTS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: NA		DATE	
CHLORIDE RESULTS: 2 % are > 2 lbs./CY		3 / 85	
REBAR RESULTS: NA			
		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 56 TYPE RECOMMENDED: RR HMA & Thin overaly COMMENTS: If asphalt pavement is needs replacement, we recommend Removing 1.5" HMA; placing waterproofing membrane; and placing 1.5" of HMA.	



BRIDGE NUMBER: 5 / 534S-W	BRIDGE NAME: S-W RAMP LUCILE ST OC	REGION: Northwest	MILEPOST: 161.28
YEAR BUILT / YR WIDENED: 1967	CONTRACT NO.(S): 07930 , 13737	SUFFICIENCY RATING: 72.60 SD	
BRIDGE TYPE: CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 6.5 in.			
BRIDGE WIDTH (curb-to-curb): 31.0 ft.	BRIDGE LENGTH: 550 ft.		
AVERAGE DAILY TRAFFIC (ADT): 11,404	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: 1.5 Lt 1.5 Rt	
408 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
Coordinate with your Region's Maintenance Office to determine if any repairs are required. No modifications required at this time.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 28	
		TYPE RECOMMENDED: MC Overlay / Hydro	
		COMMENTS: Deck protection is required. A 3/8 inch polymer overlay was applied in 1990 (Sika-epoxy) and removed in 2004. We recommend placing 1.5" modified concrete overlay using hydromilling. Expansion Joint modification is required.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 412 sq ft 2.4% of deck		DATE: 7 / 88	
CHLORIDE RESULTS: 48 % are > 2 lbs./CY		DATE: 7 / 88	
REBAR RESULTS: 13 % are < or = 1 inch		DATE: 8 / 85	
		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	



BRIDGE NUMBER: 5 / 536N-W	BRIDGE NAME: NB I5 to WB W SEA FRWY	REGION: Northwest	MILEPOST: 162.98
YEAR BUILT / YR WIDENED: 1967	CONTRACT NO.(S): 07741	SUFFICIENCY RATING: 78.89	
BRIDGE TYPE: CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 6.5 in.			
BRIDGE WIDTH (curb-to-curb): 21.0 ft.	BRIDGE LENGTH: 1,722 ft.		
AVERAGE DAILY TRAFFIC (ADT): 16,485	NUMBER OF LANES: 1		
VERTICAL CLEARANCE			
VC Type: Ramp OC 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			
402 408 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
The steel sliding expansion joints need to be replaced.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 42	
		TYPE RECOMMENDED: RSLMC or MCO	
		COMMENTS:	
		This structure has extremely large laminar spalling that is unique and the cause has yet to be determined.	
		We recommend to remove the delams by Hydromilling and place a 1.5" modified concrete overlay. Rapid Set Latex Modified Concrete overlay may be option for rapid construction and will cost more. Expansion Joints modification is required.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
2,017 sq ft 7.4% of deck		7 / 05	
CHLORIDE RESULTS:			
3 % are > 2 lbs./CY		7 / 85	
REBAR RESULTS:			
6 % are < or = 1 inch		7 / 85	
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 12/13/2007





BRIDGE NUMBER: 6 / 123	BRIDGE NAME: CHEHALIS R RIVERSIDE	REGION: Southwest	MILEPOST: 50.94
YEAR BUILT / YR WIDENED: 1939	CONTRACT NO.(S): 02538	SUFFICIENCY RATING: 43.76 SD	
BRIDGE TYPE: STrus TTC		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Original Concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 6.5 in.			
BRIDGE WIDTH (curb-curb): 24.0 ft.	BRIDGE LENGTH: 1,045 ft.		
AVERAGE DAILY TRAFFIC (ADT): 7,848	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: Steel Truss NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 26 Steel Post - Bull Rail			
RAIL MEETS CURRENT STANDARDS?: NO		SIDEWALK / CURB WIDTH: 0.6 Lt 3.5 Rt	
402 408	EXPANSION JOINTS		
Coordinate with your Region Bridge Maintenance to determine if any repairs are needed.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
1 sq ft 0.0% of deck		8 / 85	
CHLORIDE RESULTS:			
26 % are > 2 lbs./CY		8 / 85	
REBAR RESULTS:			
24 % are < or = 1 inch		8 / 85	
		REVIEWED BY: <i>Bruce Thill</i>	
		DATE: 12/13/2007	
		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 39 TYPE RECOMMENDED: HMA / membrane COMMENTS: The west approach spans have an asphalt overlay. The rest of the bridge does not have an overlay. If ride improvement is needed we recommend adding an 1.5" of asphalt w/ membrane overlay on the east approach spans and the steel truss span. Expansion joints will require rehabilitation.	



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	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:								
DECK TYPE: Conc cast-in-place	ACP w/membrane								
DECK THICKNESS: (Main Span) 8.0 in.	Year Applied - 1972								
BRIDGE WIDTH (curb-curb): 84.0 ft.	Overlay Thickness - 3.0 inches								
BRIDGE LENGTH: 53 ft.									
AVERAGE DAILY TRAFFIC (ADT): 18,000									
NUMBER OF LANES: 4									
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									
9	EXPANSION JOINTS								
<table style="width:100%; border: none;"> <tr> <td style="width:50%; padding: 5px;">DELAMINATION RESULTS: NA</td> <td style="width:50%; padding: 5px;">DATE</td> </tr> <tr> <td style="padding: 5px;">CHLORIDE RESULTS: 20 % are > 2 lbs./CY</td> <td style="padding: 5px;">7 / 85</td> </tr> <tr> <td style="padding: 5px;">REBAR RESULTS: NA</td> <td></td> </tr> </table>				DELAMINATION RESULTS: NA	DATE	CHLORIDE RESULTS: 20 % are > 2 lbs./CY	7 / 85	REBAR RESULTS: NA	
DELAMINATION RESULTS: NA	DATE								
CHLORIDE RESULTS: 20 % are > 2 lbs./CY	7 / 85								
REBAR RESULTS: NA									
BRIDGE DECK SURVEY									
<table style="width:100%; border: none;"> <tr> <td style="width:50%; padding: 5px;">DELAMINATION RESULTS: NA</td> <td style="width:50%; padding: 5px;">DATE</td> </tr> <tr> <td style="padding: 5px;">CHLORIDE RESULTS: 20 % are > 2 lbs./CY</td> <td style="padding: 5px;">7 / 85</td> </tr> <tr> <td style="padding: 5px;">REBAR RESULTS: NA</td> <td></td> </tr> </table>				DELAMINATION RESULTS: NA	DATE	CHLORIDE RESULTS: 20 % are > 2 lbs./CY	7 / 85	REBAR RESULTS: NA	
DELAMINATION RESULTS: NA	DATE								
CHLORIDE RESULTS: 20 % are > 2 lbs./CY	7 / 85								
REBAR RESULTS: NA									
DECK PROTECTIVE SYSTEM RECOMMENDATIONS									
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 21									
TYPE RECOMMENDED: MC Overlay / Hydro									
COMMENTS:									
The original structure requires rehabilitation. We recommend a hydromill the original deck and place a modified concrete overlay.									
Region may consider an additional final HMA overlay to match the widen portion. The total ACP thickness should not exceed 3 inches.									
REVIEWED BY: Bruce Thill			DATE: 12/13/2007						



BRIDGE NUMBER: 18 / 17S	BRIDGE NAME: GREEN R (NEELEY BRIDGE)	REGION: Northwest	MILEPOST: 6.62
YEAR BUILT / YR WIDENED: 1959	CONTRACT NO.(S): 06066 , 14354	SUFFICIENCY RATING: 37.45 SD	
BRIDGE TYPE: STrus CBox	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Original Concrete		
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 6.5 in.			
BRIDGE WIDTH (curb-curb): 29.5 ft.	BRIDGE LENGTH: 371 ft.		
AVERAGE DAILY TRAFFIC (ADT): 22,000	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: Steel Truss 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	
403 404 405 412 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 40 TYPE RECOMMENDED: 3/4" Polyester COMMENTS: Deck protection is required. A 3/8" polymer overlay was applied in 1995. This overlay was removed in 2003. We recommend placing 1" Polyester overlay.	
Coordinate with the Maintenance office to determine if any repairs are required.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:	DATE		
57 sq ft 0.5% of deck	3 / 84		
CHLORIDE RESULTS:			
64 % are > 2 lbs./CY	10 / 84		
REBAR RESULTS:			
9 % are < or = 1 inch	3 / 84		
REVIEWED BY: Bruce Thill		DATE: 12/13/2007	





BRIDGE NUMBER: 18 / 31N	BRIDGE NAME: HOLDER CR HOBART RD OC	REGION: Northwest	MILEPOST: 20.34
YEAR BUILT / YR WIDENED: 1961	CONTRACT NO.(S): 06541 , 13549	SUFFICIENCY RATING: 77.96	
BRIDGE TYPE: CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		Polyester Overlay	
DECK THICKNESS: (Main Span) 6.5 in.		Year Applied - 1989	
		Overlay Thickness - 0.8 inches	
BRIDGE WIDTH (curb-curb): 40.3 ft.	BRIDGE LENGTH: 304 ft.		
AVERAGE DAILY TRAFFIC (ADT): 9,500	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 65			
Single Slope Barrier			
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt	
404 412	EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS
Modifications may be required to accommodate the new overlay.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 41	
		TYPE RECOMMENDED: Mod Concrete	
		COMMENTS:	
		The existing 3/4" Polyester is developing pot holes above the existing patch locations.	
		We recommend removing the existing overlay with a rotomill, hydromill for deck preparation, and replacing it with a modified concrete overlay.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
2,047 sq ft 16.7% of deck		5 / 87	
CHLORIDE RESULTS:			
100 % are > 2 lbs./CY		5 / 87	
REBAR RESULTS:			
4 % are < or = 1 inch		5 / 87	
		REVIEWED BY: Bruce Thill	DATE: 12/13/2007



BRIDGE NUMBER: 21 / 224	BRIDGE NAME: SINKING CR	REGION: Eastern	MILEPOST: 85.16
YEAR BUILT / YR WIDENED: 1950	CONTRACT NO.(S): 03714	SUFFICIENCY RATING: 82.91	
BRIDGE TYPE: CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 12.0 in.			
BRIDGE WIDTH (curb-to-curb): 26.0 ft.	BRIDGE LENGTH: 82 ft.		
AVERAGE DAILY TRAFFIC (ADT): 570	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 41 Balluster Rail	RAIL MEETS CURRENT STANDARDS?: NO	SIDEWALK / CURB WIDTH: 1.1 Lt 1.1 Rt	
9	EXPANSION JOINTS	DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 37	
		TYPE RECOMMENDED: HMA with membrane	
		COMMENTS: Bridge Inspections indicate significant deck deterioration.	
		We recommend 0.25' of HMA w/waterproofing membrane be added to this bridge.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 0 sq ft	0.0% of deck	DATE: 6 / 85	
CHLORIDE RESULTS: 20 % are > 2 lbs./CY	DATE: 6 / 85		
REBAR RESULTS: 10 % are < or = 1 inch	DATE: 6 / 85		
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 12/13/2007



BRIDGE NUMBER: 25 / 130	BRIDGE NAME: COLUMBIA R @ NORTHPORT	REGION: Eastern	MILEPOST: 113.92
YEAR BUILT / YR WIDENED: 1948	CONTRACT NO.(S): 03297	SUFFICIENCY RATING: 43.12 SD	
BRIDGE TYPE: STrus CTB CG CS	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete		
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 6.5 in.			
BRIDGE WIDTH (curb-curb): 24.0 ft.	BRIDGE LENGTH: 1,540 ft.		
AVERAGE DAILY TRAFFIC (ADT): 580	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: Steel Truss NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 25 Steel Post w/Thrie Beam			
RAIL MEETS CURRENT STANDARDS?: YES	SIDEWALK / CURB WIDTH: 3.0 Lt 3.0 Rt		
402 408 410	EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS
Coordinate with you Maintenance Office to determine if any repairs are necessary.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 32 TYPE RECOMMENDED: MC Overlay / Hydro	
		COMMENTS: Bridge Inspections indicate significant deck deterioration. A new 1.5" modified concrete overlay is required to rehabilitate the deck. A Hydromilling machine should be used to scarify the bridge deck. This bridge is on the P2 Program Deck priority array.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 1,553 sq ft	4.2% of deck	DATE 9 / 05	
CHLORIDE RESULTS: 14 % are > 2 lbs./CY		7 / 85	
REBAR RESULTS: 1 % are < or = 1 inch		7 / 85	
		REVIEWED BY: Bruce Thill	DATE: 12/13/2007



BRIDGE NUMBER: 26 / 156	BRIDGE NAME: PALOUSE R	REGION: Eastern	MILEPOST: 96.85
YEAR BUILT / YR WIDENED: 1971	CONTRACT NO.(S): 09007	SUFFICIENCY RATING: 85.49	
BRIDGE TYPE: PCG	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete		
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 6.5 in.			
BRIDGE WIDTH (curb-curb): 38.0 ft.	BRIDGE LENGTH: 250 ft.		
AVERAGE DAILY TRAFFIC (ADT): 950	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: 0.7 Lt 0.7 Rt	
7	EXPANSION JOINTS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 114 sq ft		DATE 11 / 02	
1.2% of deck			
CHLORIDE RESULTS: 0 % are > 2 lbs./CY			
8 / 85			
REBAR RESULTS: 7 % are < or = 1 inch			
8 / 85			
REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 04			
TYPE RECOMMENDED: MC Overlay / Hydro			
COMMENTS: Bridge Inspections indicate significant deck deterioration. A new 1.5" modified concrete overlay is required to rehabilitate the deck. A Hydromilling machine should be used to scarify the bridge deck. This bridge is on the P2 Program Deck priority array.			



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: 91.34 SD	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Original Concrete			
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): 6,500		NUMBER OF LANES: 3			
VERTICAL CLEARANCE					
VC Type: SR 821 OC		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			
402		EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
Compression seals at the ends of the bridge may need to be replaced.				PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 31 TYPE RECOMMENDED: MC Overlay / Mill Hydro	
				COMMENTS: 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".	
BRIDGE DECK SURVEY					
DELAMINATION RESULTS:		DATE			
198 sq ft		1.0% of deck		11 / 92	
CHLORIDE RESULTS:					
39 % are > 2 lbs./CY				4 / 83	
REBAR RESULTS:				REVIEWED BY: DATE:	
NA				Bruce Thill 12/13/2007	



BRIDGE NUMBER: 82 / 20N		BRIDGE NAME: MILITARY RD OC		REGION: South Central	MILEPOST: 11.62
YEAR BUILT / YR WIDENED: 1971		CONTRACT NO.(S): 08688 , 13438 , 15407		SUFFICIENCY RATING: 92.05 SD	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:			
DECK TYPE: Conc cast-in-place		LMC Overlay			
DECK THICKNESS: 7.0 in. <small>(Main Span)</small>		Year Applied - 1989			
		Overlay Thickness - 1.5 inches			
BRIDGE WIDTH (curb-curb): 38.0 ft.	BRIDGE LENGTH: 142 ft.				
AVERAGE DAILY TRAFFIC (ADT): 6,500	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: 0.7 Lt 0.7 Rt				
402	EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS		
Compression seals may need to be replaced.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 02 TYPE RECOMMENDED: MC Overlay / Hydro			
		COMMENTS: Bridge Inspection Reports indicate the deck is deteriorating with many areas that have moderate to severe cracking. Previous repair projects in 1979 and 1988 repaired over 10% of the deck. Several of the repairs extend full depth. 03/2005 We recommend rotomilling 1" of the existing LMC, hydromilling 0.5", and placing a new 1.5" modified conc overlay.			
BRIDGE DECK SURVEY					
DELAMINATION RESULTS: 653 sq ft	12.1% of deck	DATE: 6 / 98			
CHLORIDE RESULTS: NA					
REBAR RESULTS: NA		REVIEWED BY: Bruce Thill		DATE: 12/13/2007	



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: 99.39	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 0.0 in.			
BRIDGE WIDTH (curb-to-curb): 38.0 ft.	BRIDGE LENGTH: 113 ft.		
AVERAGE DAILY TRAFFIC (ADT): 6,500	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	
403	EXPANSION JOINTS		
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 0 sq ft		DATE 11 / 85	
0.0% of deck			
CHLORIDE RESULTS: 0 % are > 2 lbs./CY			
11 / 85			
REBAR RESULTS: 4 % are < or = 1 inch			
11 / 85			
REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	
DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 25 TYPE RECOMMENDED: MC Overlay / Hydro COMMENTS: 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.			



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		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: 7.5 in. <small>(Main Span)</small>			
BRIDGE WIDTH (curb-to-curb): 47.1 ft.	BRIDGE LENGTH: 368 ft.		
AVERAGE DAILY TRAFFIC (ADT): 2,500	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: Undercrossing 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	
404	EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS
			PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 27
			TYPE RECOMMENDED: MC Overlay / Hydro
			COMMENTS: 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.
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
42 sq ft 0.2% of deck		4 / 86	
CHLORIDE RESULTS:			
9 % are > 2 lbs./CY		4 / 86	
REBAR RESULTS:			
1 % are < or = 1 inch		4 / 86	
REVIEWED BY: Bruce Thill			DATE: 12/13/2007



BRIDGE NUMBER: 90 / 43S		BRIDGE NAME: MERCER SL		REGION: Northwest		MILEPOST: 9.24	
YEAR BUILT / YR WIDENED: 1970		CONTRACT NO.(S): 08610 , 13846			SUFFICIENCY RATING: 67.95 FO		
BRIDGE TYPE: CBox CS				EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete			
DECK TYPE: Conc cast-in-place							
DECK THICKNESS: (Main Span) 7.2 in.							
BRIDGE WIDTH (curb-curb): 73.5 ft.		BRIDGE LENGTH: 2,669 ft.					
AVERAGE DAILY TRAFFIC (ADT): 65,500		NUMBER OF LANES: 5					
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					
406 408		EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
Coordinate with your Region's Maintenance Office to determine if any repairs are required.				PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 43			
				TYPE RECOMMENDED: Rapid Set LMC Overlay			
				COMMENTS: Deck protection is required due to the amount of exposed reinforcing steel in the bridge deck. We recommend adding a new 3/4" Polyester concrete overlay.			
BRIDGE DECK SURVEY							
DELAMINATION RESULTS:		DATE					
158 sq ft		0.1% of deck		6 / 87			
CHLORIDE RESULTS:							
5 % are > 2 lbs./CY				6 / 87			
REBAR RESULTS:							
2 % are < or = 1 inch				6 / 87			
				REVIEWED BY: Bruce Thill		DATE: 12/13/2007	



BRIDGE NUMBER: 90 / 78N	BRIDGE NAME: SR 18 OC	REGION: Northwest	MILEPOST: 25.55
YEAR BUILT / YR WIDENED: 1963	CONTRACT NO.(S): 06966 , 13941	SUFFICIENCY RATING: 90.23 SD	
BRIDGE TYPE: PCG	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:		
DECK TYPE: Conc cast-in-place	MMC Overlay		
DECK THICKNESS: (Main Span) 5.8 in.	Year Applied - 1991		
BRIDGE WIDTH (curb-curb): 70.0 ft.		Overlay Thickness - 6.0 inches	
BRIDGE LENGTH: 158 ft.			
AVERAGE DAILY TRAFFIC (ADT): 15,675	NUMBER OF LANES: 4		
VERTICAL CLEARANCE			
VC Type: SR 18 OC			
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		
404	EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS
Coordinate with your Region's Maintenance Office to determine if any repairs are required.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 12	
<p style="text-align: center;">BRIDGE DECK SURVEY</p> <p>DELAMINATION RESULTS: NA DATE</p> <p>CHLORIDE RESULTS: 69 % are > 2 lbs./CY 6 / 86</p> <p>REBAR RESULTS: NA</p>		TYPE RECOMMENDED: HMA mill only	
		COMMENTS:	
		We recommend removing the 2"-6" concrete overlay and placing HMA with membrane. The deck is in good condition.	
		ACP overlay was removed and replaced with 2"-6" MMC in 1991 widening project. The MMC overlay is too thick. Overlay has fractured into large pieces and has significant rutting at the joint headers.	
		The Load Rating includes up to 6" of additional overlay Dead Load.	
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 12/13/2007



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: 92.71																									
BRIDGE TYPE: CVS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:																									
DECK TYPE: Conc cast-in-place		LMC Overlay																									
DECK THICKNESS: (Main Span) 23.0 in.		Year Applied - 1985																									
BRIDGE WIDTH (curb-to-curb): 38.0 ft.		Overlay Thickness - 1.5 inches																									
BRIDGE LENGTH: 150 ft.																											
AVERAGE DAILY TRAFFIC (ADT): 10,012																											
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																											
402	EXPANSION JOINTS																										
<table style="width:100%; border: none;"> <tr> <td style="width:20%;">DELAMINATION RESULTS:</td> <td style="width:40%;"></td> <td style="width:20%;">DATE</td> <td style="width:20%;"></td> </tr> <tr> <td></td> <td>62 sq ft 1.1% of deck</td> <td></td> <td>5 / 92</td> </tr> <tr> <td>CHLORIDE RESULTS:</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>30 % are > 2 lbs./CY</td> <td></td> <td>5 / 83</td> </tr> <tr> <td>REBAR RESULTS:</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>NA</td> <td></td> <td></td> </tr> </table>				DELAMINATION RESULTS:		DATE			62 sq ft 1.1% of deck		5 / 92	CHLORIDE RESULTS:					30 % are > 2 lbs./CY		5 / 83	REBAR RESULTS:					NA		
DELAMINATION RESULTS:		DATE																									
	62 sq ft 1.1% of deck		5 / 92																								
CHLORIDE RESULTS:																											
	30 % are > 2 lbs./CY		5 / 83																								
REBAR RESULTS:																											
	NA																										
BRIDGE DECK SURVEY																											
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DELAMINATION RESULTS:		DATE																									
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DECK PROTECTIVE SYSTEM RECOMMENDATIONS																											
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TYPE RECOMMENDED: MC Overlay / Hydro																											
COMMENTS:																											
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REVIEWED BY: Bruce Thill		DATE: 12/13/2007																									



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: 93.93 SD	
BRIDGE TYPE: CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
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): 10,720	NUMBER OF LANES: 2		
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	
9 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 22	
		TYPE RECOMMENDED: Rapid Set LMC Overlay	
		COMMENTS: Bridge Inspection reports indicate the deck is over 5% deteriorated. We recommend 0.5" scarification by hydromilling and placing 1.5" modified concrete overlay.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 8 sq ft 0.4% of deck		DATE: 8 / 94	
CHLORIDE RESULTS: 20 % are > 2 lbs./CY		DATE: 5 / 86	
REBAR RESULTS: 0 % are < or = 1 inch		DATE: 5 / 86	
		REVIEWED BY: <i>Bruce Thill</i>	
		DATE: 12/13/2007	



BRIDGE NUMBER: 90 / 132S	BRIDGE NAME: YAKIMA R	REGION: South Central	MILEPOST: 78.81
YEAR BUILT / YR WIDENED: 1917	CONTRACT NO.(S): 00267 , 09803	SUFFICIENCY RATING: 93.86 SD	
BRIDGE TYPE: CEFA		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: 10.0 in. <small>(Main Span)</small>			
BRIDGE WIDTH (curb-curb): 41.0 ft.	BRIDGE LENGTH: 206 ft.		
AVERAGE DAILY TRAFFIC (ADT): 11,470	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	
402	EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 01 TYPE RECOMMENDED: MC Overlay / Hydro COMMENTS: There are numerous potholes and exposed rebar throughout the driving lane. We recommend 0.5" hydromill scarification, repair delams, then overlay with a 1.5" modified conc overlay. The ruts in the right lane were filled with Ure-Fast previous to June 05.
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
498 sq ft 5.9% of deck		12 / 04	
CHLORIDE RESULTS:			
64 % are > 2 lbs./CY		4 / 89	
REBAR RESULTS:			
0 % are < or = 1 inch		6 / 85	
REVIEWED BY: <i>Bruce Thill</i>			DATE: 12/13/2007



BRIDGE NUMBER: 90 / 134N	BRIDGE NAME: CLE ELUM R	REGION: South Central	MILEPOST: 80.79
YEAR BUILT / YR WIDENED: 1949	CONTRACT NO.(S): 03527 , 12459	SUFFICIENCY RATING: 73.68 SD	
BRIDGE TYPE: STrus CTB		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		Low Slump Mod Conc	
DECK THICKNESS: (Main Span) 6.5 in.		Year Applied - 1983	
BRIDGE WIDTH (curb-curb): 31.0 ft.		Overlay Thickness - 2.0 inches	
BRIDGE LENGTH: 297 ft.			
AVERAGE DAILY TRAFFIC (ADT): 10,743			
NUMBER OF LANES: 2			
VERTICAL CLEARANCE			
VC Type: Steel Truss			
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	
403 413	EXPANSION JOINTS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 510 sq ft		DATE 7 / 94	
CHLORIDE RESULTS: 100 % are > 2 lbs./CY		5.5% of deck	
REBAR RESULTS: NA			
REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	
DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 30 TYPE RECOMMENDED: MC Overlay / Mill Hydro COMMENTS: 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.			



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: 97.21	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		Low Slump Mod Conc	
DECK THICKNESS: 5.8 in. <small>(Main Span)</small>		Year Applied - 1983	
BRIDGE WIDTH (curb-curb): 36.5 ft.		Overlay Thickness - 2.0 inches	
BRIDGE LENGTH: 108 ft.			
AVERAGE DAILY TRAFFIC (ADT): 8,378			
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: 0.8 Lt 0.8 Rt	
402 404	EXPANSION JOINTS		
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 744 sq ft 18.9% of deck		DATE: 8 / 94	
CHLORIDE RESULTS: 90 % are > 2 lbs./CY		DATE: 10 / 81	
REBAR RESULTS: NA		REVIEWED BY: <i>Bruce Thill</i>	
		DATE: 12/13/2007	
		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 18	
		TYPE RECOMMENDED: MC Overlay / Hydro	
		COMMENTS: 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.	



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: 91.15 SD	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		Low Slump Mod Conc	
DECK THICKNESS: 5.8 in. <small>(Main Span)</small>		Year Applied - 1983	
BRIDGE WIDTH (curb-curb): 36.5 ft.		Overlay Thickness - 2.0 inches	
BRIDGE LENGTH: 108 ft.			
AVERAGE DAILY TRAFFIC (ADT): 8,378			
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: 0.8 Lt 0.8 Rt			
9		EXPANSION JOINTS	
		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 15	
		TYPE RECOMMENDED: MC Overlay / Hydro	
		COMMENTS:	
		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.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
697 sq ft 17.7% of deck		7 / 94	
CHLORIDE RESULTS:			
90 % are > 2 lbs./CY		10 / 81	
REBAR RESULTS:			
NA			
		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	



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: 92.15	
BRIDGE TYPE: CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		Low Slump Mod Conc	
DECK THICKNESS: 12.0 in. <small>(Main Span)</small>		Year Applied - 1983	
BRIDGE WIDTH (curb-curb): 36.5 ft.		Overlay Thickness - 2.0 inches	
BRIDGE LENGTH: 31 ft.			
AVERAGE DAILY TRAFFIC (ADT): 8,378			
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: 0.7 Lt 0.7 Rt			
402	EXPANSION JOINTS		
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 48 sq ft 4.2% of deck DATE: 7 / 94			
CHLORIDE RESULTS: 100 % are > 2 lbs./CY DATE: 10 / 81			
REBAR RESULTS: NA			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 17			
TYPE RECOMMENDED: MC Overlay / Hydro			
COMMENTS:			
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: 12/13/2007



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: 87.10 SD	
BRIDGE TYPE: CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		Low Slump Mod Conc	
DECK THICKNESS: 12.0 in. <small>(Main Span)</small>		Year Applied - 1983	
BRIDGE WIDTH (curb-curb): 36.5 ft.		Overlay Thickness - 2.0 inches	
BRIDGE LENGTH: 38 ft.			
AVERAGE DAILY TRAFFIC (ADT): 8,378			
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			
402	EXPANSION JOINTS		
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 201 sq ft 14.5% of deck DATE: 7 / 94			
CHLORIDE RESULTS: 50 % are > 2 lbs./CY DATE: 10 / 81			
REBAR RESULTS: NA			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 14			
TYPE RECOMMENDED: MC Overlay / Hydro			
COMMENTS:			
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: 12/13/2007



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: 80.92	
BRIDGE TYPE: CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		LMC Overlay	
DECK THICKNESS: (Main Span) 6.5 in.		Year Applied - 1986	
BRIDGE WIDTH (curb-curb): 30.0 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 390 ft.			
AVERAGE DAILY TRAFFIC (ADT): 9,228			
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: 1.4 Lt 1.4 Rt	
405	EXPANSION JOINTS		
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 19			
TYPE RECOMMENDED: MC Overlay / Hydro			
COMMENTS:			
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.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
1,743 sq ft 14.9% of deck		6 / 98	
CHLORIDE RESULTS:			
88 % are > 2 lbs./CY		5 / 85	
REBAR RESULTS:			
NA			
REVIEWED BY: Bruce Thill			DATE: 12/13/2007



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: 75.83 SD	
BRIDGE TYPE: CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		LMC Overlay	
DECK THICKNESS: (Main Span) 6.5 in.		Year Applied - 1986	
BRIDGE WIDTH (curb-to-curb): 30.0 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 390 ft.			
AVERAGE DAILY TRAFFIC (ADT): 9,228			
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: 1.5 Lt 1.5 Rt			
405		EXPANSION JOINTS	
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
2,504 sq ft 21.4% of deck		6 / 98	
CHLORIDE RESULTS:			
56 % are > 2 lbs./CY		5 / 85	
REBAR RESULTS: NA			
REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	
PROTECTIVE OVERLAY RECOMMENDED?: YES		09-11 P2 Priority #: 16	
TYPE RECOMMENDED: MC Overlay / Hydro			
COMMENTS:			
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.			



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: 92.01		
BRIDGE TYPE: CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:					
DECK TYPE: Conc cast-in-place		Low Slump Mod Conc					
DECK THICKNESS: 19.0 in. (Main Span)		Year Applied - 1981					
		Overlay Thickness - 2.0 inches					
BRIDGE WIDTH (curb-curb): 50.0 ft.		BRIDGE LENGTH: 118 ft.					
AVERAGE DAILY TRAFFIC (ADT): 9,711		NUMBER OF LANES: 3					
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: 0.0 Lt 0.0 Rt			
EXPANSION JOINTS							
9							
BRIDGE DECK SURVEY							
DELAMINATION RESULTS: 301 sq ft		5.1% of deck		DATE: 7 / 94			
CHLORIDE RESULTS: 50 % are > 2 lbs./CY				DATE: 8 / 80			
REBAR RESULTS: NA							
DECK PROTECTIVE SYSTEM RECOMMENDATIONS							
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 26							
TYPE RECOMMENDED: MC Overlay / Plane							
COMMENTS:							
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: 12/13/2007	



BRIDGE NUMBER: 90 / 316N	BRIDGE NAME: N PAHA PACKARD RD OC	REGION: Eastern	MILEPOST: 215.24
YEAR BUILT / YR WIDENED: 1972	CONTRACT NO.(S): 09206	SUFFICIENCY RATING: 97.60	
BRIDGE TYPE: PCG	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete		
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 7.0 in.			
BRIDGE WIDTH (curb-curb): 38.0 ft.	BRIDGE LENGTH: 105 ft.		
AVERAGE DAILY TRAFFIC (ADT): 4,214	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: 0.7 Lt 0.7 Rt	
9 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 23	
		TYPE RECOMMENDED: MC Overlay / Hydro	
		COMMENTS: A chain drag survey was completed in 10/2001 and found 4.1% of the deck has delaminations. Bridge Inspections indicate significant deck deterioration. A new 1.5" modified concrete overlay is required to rehabilitate the deck. A Hydromilling machine should be used to scarify the bridge deck. This bridge is on the P2 Program Deck priority array.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
163 sq ft 4.1% of deck		10 / 01	
CHLORIDE RESULTS:			
0 % are > 2 lbs./CY		7 / 86	
REBAR RESULTS:			
0 % are < or = 1 inch		7 / 86	
REVIEWED BY: Bruce Thill		DATE: 12/13/2007	



BRIDGE NUMBER: 90 / 316S	BRIDGE NAME: N PAHA PACKARD RD OC	REGION: Eastern	MILEPOST: 215.24
YEAR BUILT / YR WIDENED: 1972	CONTRACT NO.(S): 09206	SUFFICIENCY RATING: 97.60	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place		Overlay Thickness - 1.5 inches	
DECK THICKNESS: (Main Span) 7.0 in.			
BRIDGE WIDTH (curb-curb): 38.0 ft.	BRIDGE LENGTH: 105 ft.		
AVERAGE DAILY TRAFFIC (ADT): 4,214	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: 0.7 Lt 0.7 Rt	
9 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 24	
		TYPE RECOMMENDED: MC Overlay / Hydro	
		COMMENTS: A chain drag survey was completed in 10/2001 and found 2.1% of the deck has delaminations. Bridge Inspections indicate significant deck deterioration. A new 1.5" modified concrete overlay is required to rehabilitate the deck. Remove and replace 1.5" LMC overlay by milling 1" and hydromill 0.5". This bridge is on the P2 Deck Program priority array.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
83 sq ft 2.1% of deck		10 / 01	
CHLORIDE RESULTS:			
0 % are > 2 lbs./CY		7 / 86	
REBAR RESULTS:			
11 % are < or = 1 inch		7 / 86	
		REVIEWED BY: Bruce Thill	DATE: 12/13/2007



BRIDGE NUMBER: 90 / 510N	BRIDGE NAME: MEDICAL LAKE RD OC	REGION: Eastern	MILEPOST: 269.87
YEAR BUILT / YR WIDENED: 1966	CONTRACT NO.(S): 07903 , 12136	SUFFICIENCY RATING: 90.38	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		LMC Overlay	
DECK THICKNESS: 7.0 in. <small>(Main Span)</small>		Year Applied - 1981	
		Overlay Thickness - 1.5 inches	
BRIDGE WIDTH (curb-curb): 36.5 ft.	BRIDGE LENGTH: 130 ft.		
AVERAGE DAILY TRAFFIC (ADT): 6,082	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: 0.7 Lt 0.7 Rt	
9 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 05	
		TYPE RECOMMENDED: MC Overlay / Mill & Hydro	
		COMMENTS:	
		Bridge Inspections indicate significant deck deterioration. There are areas in the overlay that have debonded and are now patched.	
		A new 1.5" modified concrete overlay is required to rehabilitate the deck. Remove and replace 1.5" LMC overlay by milling 1" and hydromilling 0.5". This bridge is on the P2 Deck Program priority array.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
490 sq ft 10.3% of deck		9 / 92	
CHLORIDE RESULTS:			
30 % are > 2 lbs./CY		1 / 80	
REBAR RESULTS:			
NA			
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 12/13/2007



BRIDGE NUMBER: 90 / 510S	BRIDGE NAME: MEDICAL LAKE RD OC	REGION: Eastern	MILEPOST: 269.87
YEAR BUILT / YR WIDENED: 1966	CONTRACT NO.(S): 07903 , 12136	SUFFICIENCY RATING: 91.38	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		LMC Overlay	
DECK THICKNESS: 7.0 in. <small>(Main Span)</small>		Year Applied - 1981	
BRIDGE WIDTH (curb-curb): 36.5 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 130 ft.			
AVERAGE DAILY TRAFFIC (ADT): 6,082			
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: 0.7 Lt 0.7 Rt			
9		EXPANSION JOINTS	
BRIDGE DECK SURVEY		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
DELAMINATION RESULTS: 228 sq ft		PROTECTIVE OVERLAY RECOMMENDED?: YES	
DATE: 9 / 92		09-11 P2 Priority #: 06	
CHLORIDE RESULTS: 4.8% of deck		TYPE RECOMMENDED: MC Overlay / Mill & Hydro	
REBAR RESULTS: 50 % are > 2 lbs./CY		COMMENTS:	
DATE: 1 / 80		Bridge Inspections indicate significant deck deterioration. There are areas in the overlay that have debonded and are now patched.	
NA		A new 1.5" modified concrete overlay is required to rehabilitate the deck. Remove and replace 1.5" overlay by milling 1" and hydromilling 0.5". This bridge is on the P2 Deck Program priority array.	
REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	



BRIDGE NUMBER: 90 / 512N	BRIDGE NAME: BN RR OC (NP)	REGION: Eastern	MILEPOST: 270.10
YEAR BUILT / YR WIDENED: 1966	CONTRACT NO.(S): 07903 , 12136	SUFFICIENCY RATING: 97.42	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		LMC Overlay	
DECK THICKNESS: 7.0 in. <small>(Main Span)</small>		Year Applied - 1981	
BRIDGE WIDTH (curb-curb): 36.5 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 150 ft.			
AVERAGE DAILY TRAFFIC (ADT): 6,082			
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: 0.7 Lt 0.7 Rt			
9		EXPANSION JOINTS	
		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 07	
		TYPE RECOMMENDED: MC Overlay / Mill & Hydro	
		COMMENTS:	
		Bridge Inspections indicate significant deck deterioration. There are areas in the overlay that have debonded and are now patched.	
		We recommend removing and replacing the 1.5" LMC overlay by milling 1" and hydromilling 0.5" of overlay. This bridge is on the P2 Deck Program priority array.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
93 sq ft 1.7% of deck		9 / 92	
CHLORIDE RESULTS:			
50 % are > 2 lbs./CY		1 / 80	
REBAR RESULTS:			
NA			
		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	



BRIDGE NUMBER: 90 / 512S	BRIDGE NAME: BN RR OC (NP)	REGION: Eastern	MILEPOST: 270.10
YEAR BUILT / YR WIDENED: 1966	CONTRACT NO.(S): 07903 , 12136	SUFFICIENCY RATING: 97.42	
BRIDGE TYPE: PCG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		LMC Overlay	
DECK THICKNESS: (Main Span) 7.0 in.		Year Applied - 1981	
BRIDGE WIDTH (curb-curb): 36.5 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 150 ft.			
AVERAGE DAILY TRAFFIC (ADT): 6,082			
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: 0.7 Lt 0.7 Rt	
9		EXPANSION JOINTS	
		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 08	
		TYPE RECOMMENDED: MC Overlay / Mill & Hydro	
		COMMENTS:	
		Bridge Inspections indicate significant deck deterioration. There are areas in the overlay that have debonded and are now patched.	
		We recommend removing and replacing the 1.5" LMC overlay by milling 1" and hydromilling 0.5" of overlay. This bridge is on the P2 Deck Program priority array.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
389 sq ft 7.1% of deck		9 / 92	
CHLORIDE RESULTS:			
20 % are > 2 lbs./CY		1 / 80	
REBAR RESULTS:			
NA			
		REVIEWED BY: Bruce Thill	DATE: 12/13/2007



BRIDGE NUMBER: 90 / 540N	BRIDGE NAME: HANGMAN CR	REGION: Eastern	MILEPOST: 279.49
YEAR BUILT / YR WIDENED: 1963	CONTRACT NO.(S): 06579 , 12842	SUFFICIENCY RATING: 67.56	
BRIDGE TYPE: CBox	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:		
DECK TYPE: Conc cast-in-place	LMC Overlay		
DECK THICKNESS: (Main Span) 8.0 in.	Year Applied - 1985		
BRIDGE WIDTH (curb-to-curb): 44.0 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 1,222 ft.			
AVERAGE DAILY TRAFFIC (ADT): 24,635	NUMBER OF LANES: 3		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 70.4			
Conc Base - Type 1B			
RAIL MEETS CURRENT STANDARDS?: NO		SIDEWALK / CURB WIDTH: 1.5 Lt 1.5 Rt	
412 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
Coordinate with your Region's Maintenance Office to determine if any repairs are required.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 45	
		TYPE RECOMMENDED: MC Overlay / Hydro	
		COMMENTS:	
		The LMC Overlay is rutted to a depth of 1/2 inch or greater in the center lane.	
		We recommend removing and replacing the 1.5" LMC overlay by milling 1" and hydromilling 0.5" of overlay. This bridge is on the P2 Deck Program priority array.	
		The cost of removing and replacing the existing LMC will be affected by the type of new overlay to be used (modified Conc or Polyester).	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
430 sq ft 0.8% of deck		10 / 91	
CHLORIDE RESULTS:			
54 % are > 2 lbs./CY		9 / 85	
REBAR RESULTS:			
NA			
REVIEWED BY: Bruce Thill		DATE: 12/13/2007	





BRIDGE NUMBER: 90 / 540S	BRIDGE NAME: HANGMAN CR	REGION: Eastern	MILEPOST: 279.49
YEAR BUILT / YR WIDENED: 1963	CONTRACT NO.(S): 06579 , 12842	SUFFICIENCY RATING: 60.08 FO	
BRIDGE TYPE: CBox	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:		
DECK TYPE: Conc cast-in-place	LMC Overlay		
DECK THICKNESS: (Main Span) 8.0 in.	Year Applied - 1985		
BRIDGE WIDTH (curb-curb): 44.0 ft.	Overlay Thickness - 1.5 inches		
BRIDGE LENGTH: 1,222 ft.			
AVERAGE DAILY TRAFFIC (ADT): 24,635			
NUMBER OF LANES: 4			
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 70.4 Conc Base - Type 1B			
RAIL MEETS CURRENT STANDARDS?: NO SIDEWALK / CURB WIDTH: 1.5 Lt 1.5 Rt			
412	EXPANSION JOINTS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: DATE 48 sq ft 0.1% of deck 10 / 91			
CHLORIDE RESULTS: 60 % are > 2 lbs./CY 11 / 82			
REBAR RESULTS: NA			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 46			
TYPE RECOMMENDED: MC Overlay / Hydro			
COMMENTS:			
The LMC Overlay is rutted to a depth of 1/2 inch or greater in the center lane.			
We recommend removing and replacing the 1.5" LMC overlay by milling 1" and hydromilling 0.5" of overlay. This bridge is on the P2 Deck Program priority array.			
The cost of removing and replacing the existing LMC will be affected by the type of new overlay to be used (modified Conc or Polyester).			
REVIEWED BY: <i>Bruce Thill</i>			DATE: 12/13/2007



BRIDGE NUMBER: 90 / 566	BRIDGE NAME: ALTAMONT ST OC	REGION: Eastern	MILEPOST: 283.03
YEAR BUILT / YR WIDENED: 1957	CONTRACT NO.(S): 05453 , 12748	SUFFICIENCY RATING: 87.75 SD	
BRIDGE TYPE: CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		LMC Overlay	
DECK THICKNESS: 18.0 in. <small>(Main Span)</small>		Year Applied - 1984	
BRIDGE WIDTH (curb-curb): 104.0 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 66 ft.			
AVERAGE DAILY TRAFFIC (ADT): 72,824			
NUMBER OF LANES: 6			
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			
9 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
If the Region chooses to provide temporary Asphalt Overlay, Standard Plan, Detail 1 should be used at the Back of Pavement Seats.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 09	
		TYPE RECOMMENDED: Rapid Set LMC Overlay	
		COMMENTS: There are areas in the LMC overlay that are debonded and are now patched. We recommend removing and replacing the LMC overlay with a 1" Polyester or Rapid Set concrete overlay. This bridge is on the P2 Program Priority Array for a Concrete Overlay.	
		Region may provide a temporary 1.5" Asphalt Overlay and Standard Plan A7 details (see Expansion Joints).	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: 172 sq ft 2.5% of deck		DATE: 9 / 92	
CHLORIDE RESULTS: 41 % are > 2 lbs./CY		DATE: 12 / 79	
REBAR RESULTS: NA		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	



BRIDGE NUMBER: 90 / 570	BRIDGE NAME: HAVANA ST OC	REGION: Eastern	MILEPOST: 284.35
YEAR BUILT / YR WIDENED: 1957	CONTRACT NO.(S): 05453 , 12748	SUFFICIENCY RATING: 86.55 SD	
BRIDGE TYPE: CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		LMC Overlay	
DECK THICKNESS: 18.0 in. <small>(Main Span)</small>		Year Applied - 1984	
BRIDGE WIDTH (curb-curb): 98.0 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 66 ft.			
AVERAGE DAILY TRAFFIC (ADT): 84,878			
NUMBER OF LANES: 6			
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			
9 EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
If the Region chooses to provide temporary Asphalt Overlay, Standard Plan, Detail 1 should be used at the Back of Pavement Seats.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 10	
		TYPE RECOMMENDED: Rapid Set LMC Overlay	
		COMMENTS:	
		There are areas in the LMC overlay that are debonded and are now patched. We recommend removing and replacing the LMC overlay with a 1" Polyester or Rapid Set concrete overlay. This bridge is on the P2 Program Priority Array for a Concrete Overlay.	
		Region may provide a temporary 1.5" Asphalt Overlay and Standard Plan A7 details (see Expansion Joints).	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
220 sq ft 3.4% of deck		8 / 92	
CHLORIDE RESULTS:			
41 % are > 2 lbs./CY		12 / 79	
REBAR RESULTS:			
NA			
REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	



BRIDGE NUMBER: 97 / 540		BRIDGE NAME: OKANOGAN R GN RY OC		REGION: North Central		MILEPOST: 310.61	
YEAR BUILT / YR WIDENED: 1957		CONTRACT NO.(S): 05371 , 14811			SUFFICIENCY RATING: 61.84 FO		
BRIDGE TYPE: CBox CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete					
DECK TYPE: Conc cast-in-place							
DECK THICKNESS: (Main Span) 6.5 in.							
BRIDGE WIDTH (curb-to-curb): 26.0 ft.		BRIDGE LENGTH: 659 ft.					
AVERAGE DAILY TRAFFIC (ADT): 3,240		NUMBER OF LANES: 2					
VERTICAL CLEARANCE							
VC Type: NA							
BRIDGE RAIL							
BRIDGE RAIL TYPE: WSDOT CODE - 42 Balluster Rail w/Thrie Beam		RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 1.0 Lt 1.0 Rt			
408		EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
Modification will be needed to accommodate a new modified concrete overlay.				PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 03 TYPE RECOMMENDED: MC Overlay / Hydro COMMENTS: Bridge Inspection reports indicate the deck is more than 5% deteriorated. The deck is cracked and spalling with has areas of exposed rebar. This bridge is in the P2 Deck Program. We recommend 0.5" hydromill scarification and with a 1.5" modified concrete overlay.			
BRIDGE DECK SURVEY							
DELAMINATION RESULTS: 722 sq ft		DATE 03 / 04					
CHLORIDE RESULTS: 4 % are > 2 lbs./CY		7 / 85					
REBAR RESULTS: 12 % are < or = 1 inch		7 / 85		REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	



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: 89.87 SD	
BRIDGE TYPE: WSBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete			
DECK TYPE: Conc cast-in-place					
DECK THICKNESS: (Main Span) 7.7 in.					
BRIDGE WIDTH (curb-curb): 32.0 ft.		BRIDGE LENGTH: 1,450 ft.			
AVERAGE DAILY TRAFFIC (ADT): 3,825		NUMBER OF LANES: 2			
VERTICAL CLEARANCE					
VC Type: NA					
BRIDGE RAIL					
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			
EXPANSION JOINTS					
416 No Modifications Required at this time.					
BRIDGE DECK SURVEY					
DELAMINATION RESULTS: 2,373 sq ft		DATE 5.1% of deck 6 / 05			
CHLORIDE RESULTS: NA					
REBAR RESULTS: NA					
DECK PROTECTIVE SYSTEM RECOMMENDATIONS					
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 13					
TYPE RECOMMENDED: MC Overlay / Hydro					
COMMENTS: 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: 12/13/2007	





BRIDGE NUMBER: 153 / 3		BRIDGE NAME: METHOW R		REGION: North Central		MILEPOST: 3.66	
YEAR BUILT / YR WIDENED: 1933		CONTRACT NO.(S): 01658 , 10053			SUFFICIENCY RATING: 45.76 FO		
BRIDGE TYPE: CTB				EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:			
DECK TYPE: Conc cast-in-place				ACP w/membrane			
DECK THICKNESS: 7.0 in. (Main Span)				Year Applied - 1975			
				Overlay Thickness - 1.5 inches			
BRIDGE WIDTH (curb-curb): 25.5 ft.		BRIDGE LENGTH: 291 ft.					
AVERAGE DAILY TRAFFIC (ADT): 2,135		NUMBER OF LANES: 2					
VERTICAL CLEARANCE							
VC Type: NA							
BRIDGE RAIL							
BRIDGE RAIL TYPE: WSDOT CODE - 25 Steel Post w/Thrie Beam							
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.5 Lt 0.5 Rt					
403 EXPANSION JOINTS				DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
Coordinate with your Region's Maintenance Office to determine if any repairs are required.				PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 01			
				TYPE RECOMMENDED: ACP w/memb			
				COMMENTS:			
				The concrete bridge deck is showing signs of distress.			
				We recommend: removing 1.5" ACP; repairing the concrete deck; adding a new 0.25' ACP w/membrane overlay.			
				The bridge rails are also in need of replacement.			
				A BST may be added over the existing ACP.			
BRIDGE DECK SURVEY							
DELAMINATION RESULTS: NA		DATE					
CHLORIDE RESULTS: 0 % are > 2 lbs./CY		8 / 85					
REBAR RESULTS: NA				REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	



BRIDGE NUMBER: 153 / 10	BRIDGE NAME: METHOW R	REGION: North Central	MILEPOST: 11.83
YEAR BUILT / YR WIDENED: 1939	CONTRACT NO.(S): 02450 , 10053 , 14375 , 15221	SUFFICIENCY RATING: 44.86	
BRIDGE TYPE: CTB	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:		
DECK TYPE: Conc cast-in-place	ACP w/membrane		
DECK THICKNESS: (Main Span) 7.0 in.	Year Applied - 1975		
BRIDGE WIDTH (curb-curb): 24.0 ft.		Overlay Thickness - 1.5 inches	
BRIDGE LENGTH: 476 ft.			
AVERAGE DAILY TRAFFIC (ADT): 1,655	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 25			
Steel Post w/Thrie Beam			
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.0 Lt 3.5 Rt	
407	EXPANSION JOINTS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 01			
TYPE RECOMMENDED: ACP w/memb			
COMMENTS:			
The concrete bridge deck is showing signs of distress.			
We recommend: removing 1.5" ACP; repairing the concrete deck; adding a new 0.25' ACP w/membrane overlay.			
The bridge rails are also in need of replacement.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: NA		DATE	
CHLORIDE RESULTS: 0 % are > 2 lbs./CY		8 / 85	
REBAR RESULTS: NA		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	



BRIDGE NUMBER: 153 / 16	BRIDGE NAME: METHOW R	REGION: North Central	MILEPOST: 16.85												
YEAR BUILT / YR WIDENED: 1939	CONTRACT NO.(S): 03507 , 10053 , 15037	SUFFICIENCY RATING: 38.67													
BRIDGE TYPE: CTB		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:													
DECK TYPE: Conc cast-in-place		ACP w/membrane													
DECK THICKNESS: (Main Span) 7.0 in.		Year Applied - 1975													
BRIDGE WIDTH (curb-curb): 24.0 ft.		Overlay Thickness - 3.0 inches													
BRIDGE LENGTH: 454 ft.															
AVERAGE DAILY TRAFFIC (ADT): 1,225															
NUMBER OF LANES: 2															
VERTICAL CLEARANCE															
VC Type: NA															
BRIDGE RAIL															
BRIDGE RAIL TYPE: WSDOT CODE - 41 Balluster Rail															
RAIL MEETS CURRENT STANDARDS?: NO SIDEWALK / CURB WIDTH: 0.5 Lt 3.5 Rt															
407	EXPANSION JOINTS														
<table style="width:100%; border: none;"> <tr> <td style="width:50%;">DELAMINATION RESULTS:</td> <td style="width:50%;">DATE</td> </tr> <tr> <td style="text-align: center;">NA</td> <td></td> </tr> <tr> <td>CHLORIDE RESULTS:</td> <td></td> </tr> <tr> <td style="text-align: center;">0 % are > 2 lbs./CY</td> <td style="text-align: center;">8 / 85</td> </tr> <tr> <td>REBAR RESULTS:</td> <td></td> </tr> <tr> <td style="text-align: center;">NA</td> <td></td> </tr> </table>				DELAMINATION RESULTS:	DATE	NA		CHLORIDE RESULTS:		0 % are > 2 lbs./CY	8 / 85	REBAR RESULTS:		NA	
DELAMINATION RESULTS:	DATE														
NA															
CHLORIDE RESULTS:															
0 % are > 2 lbs./CY	8 / 85														
REBAR RESULTS:															
NA															
BRIDGE DECK SURVEY															
<table style="width:100%; border: none;"> <tr> <td style="width:50%;">DELAMINATION RESULTS:</td> <td style="width:50%;">DATE</td> </tr> <tr> <td style="text-align: center;">NA</td> <td></td> </tr> <tr> <td>CHLORIDE RESULTS:</td> <td></td> </tr> <tr> <td style="text-align: center;">0 % are > 2 lbs./CY</td> <td style="text-align: center;">8 / 85</td> </tr> <tr> <td>REBAR RESULTS:</td> <td></td> </tr> <tr> <td style="text-align: center;">NA</td> <td></td> </tr> </table>				DELAMINATION RESULTS:	DATE	NA		CHLORIDE RESULTS:		0 % are > 2 lbs./CY	8 / 85	REBAR RESULTS:		NA	
DELAMINATION RESULTS:	DATE														
NA															
CHLORIDE RESULTS:															
0 % are > 2 lbs./CY	8 / 85														
REBAR RESULTS:															
NA															
DECK PROTECTIVE SYSTEM RECOMMENDATIONS															
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 52 TYPE RECOMMENDED: ACP w/Memb															
COMMENTS: The concrete bridge deck is showing signs of distress. We recommend: removing the 0.25' ACP; deck prep; place 0.25' HMA with membrane. The bridge rails are also in need of replacement.															
REVIEWED BY: <i>Bruce Thill</i>			DATE: 12/13/2007												



BRIDGE NUMBER: 153 / 17	BRIDGE NAME: METHOW R	REGION: North Central	MILEPOST: 18.91
YEAR BUILT / YR WIDENED: 1939	CONTRACT NO.(S): 02450 , 10053 , 15037 , 15221	SUFFICIENCY RATING: 49.87	
BRIDGE TYPE: CTB	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:		
DECK TYPE: Conc cast-in-place	ACP w/membrane		
DECK THICKNESS: (Main Span) 7.0 in.	Year Applied - 1975		
		Overlay Thickness - 1.8 inches	
BRIDGE WIDTH (curb-curb): 24.0 ft.	BRIDGE LENGTH: 302 ft.		
AVERAGE DAILY TRAFFIC (ADT): 1,225	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 41 Balluster Rail			
RAIL MEETS CURRENT STANDARDS?: NO		SIDEWALK / CURB WIDTH: 0.4 Lt 3.5 Rt	
407	EXPANSION JOINTS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 51			
TYPE RECOMMENDED: RR 0.15 HMA / mem			
COMMENTS:			
The concrete bridge deck is showing signs of distress.			
We recommend: removing the 0.15' ACP; deck prep; place 0.25' HMA with membrane. Expansion joint modification is required.			
The bridge rails are also in need of replacement.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: NA		DATE	
CHLORIDE RESULTS: 10 % are > 2 lbs./CY		7 / 85	
REBAR RESULTS: NA		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	



BRIDGE NUMBER: 153 / 20	BRIDGE NAME: METHOW R	REGION: North Central	MILEPOST: 22.31
YEAR BUILT / YR WIDENED: 1935	CONTRACT NO.(S): 01976 , 10053 , 14375 , 16315	SUFFICIENCY RATING: 53.73	
BRIDGE TYPE: CG	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:		
DECK TYPE: Conc cast-in-place	ACP w/membrane		
DECK THICKNESS: (Main Span) 9.0 in.	Year Applied - 1975		
		Overlay Thickness - 3.0 inches	
BRIDGE WIDTH (curb-curb): 24.1 ft.	BRIDGE LENGTH: 438 ft.		
AVERAGE DAILY TRAFFIC (ADT): 1,425	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 25			
Steel Post w/Thrie Beam			
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.0 Lt 3.2 Rt	
419	EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS
			PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 50
			TYPE RECOMMENDED: RR 0.15 HMA / mem
			COMMENTS:
			The concrete bridge deck is showing signs of distress.
			We recommend: removing and replacing 0.15' HMA.
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: NA		DATE	
CHLORIDE RESULTS: 0 % are > 2 lbs./CY		7 / 85	
REBAR RESULTS: NA		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	



BRIDGE NUMBER: 203 / 3	BRIDGE NAME: SLOUGH	REGION: Northwest	MILEPOST: 0.49
YEAR BUILT / YR WIDENED: 1945	CONTRACT NO.(S): 02999	SUFFICIENCY RATING: 89.71 FO	
BRIDGE TYPE: TTC		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 7.5 in.			
BRIDGE WIDTH (curb-curb): 36.0 ft.	BRIDGE LENGTH: 52 ft.		
AVERAGE DAILY TRAFFIC (ADT): 8,600	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 42 Balluster Rail w/Thrie Beam			
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 0.0 Lt 0.0 Rt	
402	EXPANSION JOINTS		
Std. Plan A7, Detail 1 should be used at the end of the bridge deck.			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 34			
TYPE RECOMMENDED: 0.25 HMA/Mem			
COMMENTS:			
We recommend adding 0.25' ACP with water proofing membrane.			
The total thickness should not exceed 3 inches.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS: NA		DATE	
CHLORIDE RESULTS: 40 % are > 2 lbs./CY		3 / 82	
REBAR RESULTS: NA			
REVIEWED BY: Bruce Thill			DATE: 12/13/2007



BRIDGE NUMBER: 203 / 104	BRIDGE NAME: DRAINAGE OVERFLOW	REGION: Northwest	MILEPOST: 22.05
YEAR BUILT / YR WIDENED: 1954	CONTRACT NO.(S): 04825	SUFFICIENCY RATING: 63.98 FO	
BRIDGE TYPE: CS		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 14.0 in.			
BRIDGE WIDTH (curb-curb): 26.0 ft.	BRIDGE LENGTH: 89 ft.		
AVERAGE DAILY TRAFFIC (ADT): 11,000	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 42 Balluster Rail w/Thrie Beam			
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 2.5 Lt 2.5 Rt	
9	EXPANSION JOINTS		
Std. Plan A7, Detail 1 should be used at the end of the bridge deck.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
1 sq ft 0.0% of deck		11 / 86	
CHLORIDE RESULTS:			
0 % are > 2 lbs./CY		11 / 86	
REBAR RESULTS:			
0 % are < or = 1 inch		11 / 86	
REVIEWED BY: <i>Bruce Thill</i>			DATE: 12/13/2007
DECK PROTECTIVE SYSTEM RECOMMENDATIONS PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 20 TYPE RECOMMENDED: MC Overlay COMMENTS: Bridge Inspection reports indicate the deck is more than 5% deteriorated. We recommend placing 1.5" modified concrete overlay with 0.5" hydromill scarification.			



BRIDGE NUMBER: 203 / 106	BRIDGE NAME: SKYKOMISH R	REGION: Northwest	MILEPOST: 23.20
YEAR BUILT / YR WIDENED: 1957	CONTRACT NO.(S): 05294 , 14227	SUFFICIENCY RATING: 48.00 FO	
BRIDGE TYPE: STrus CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Conc cast-in-place		3/8in Polymer-Epoxy	
DECK THICKNESS: (Main Span) 6.5 in.		Year Applied - 1993	
BRIDGE WIDTH (curb-to-curb): 28.0 ft.		Overlay Thickness - 0.4 inches	
BRIDGE LENGTH: 582 ft.			
AVERAGE DAILY TRAFFIC (ADT): 11,000			
NUMBER OF LANES: 2			
VERTICAL CLEARANCE			
VC Type: Steel Truss			
NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 42			
Balluster Rail w/Thrie Beam			
RAIL MEETS CURRENT STANDARDS?: YES			
SIDEWALK / CURB WIDTH: 2.5 Lt 2.5 Rt			
402 408	EXPANSION JOINTS		
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
194 sq ft 1.2% of deck		7 / 92	
CHLORIDE RESULTS:			
59 % are > 2 lbs./CY		11 / 86	
REBAR RESULTS:			
0 % are < or = 1 inch		11 / 86	
REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	
DECK PROTECTIVE SYSTEM RECOMMENDATIONS		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 33	
TYPE RECOMMENDED: Rapid Set LMC Overlay			
COMMENTS:			
The existing thin polymer overlay has failed. Deck protection is warranted.			
We recommend removing the existing polymer overlay and then placing a new 3/4" Polyester Concrete or RSLMC overlay. Joint modifications will be required to accommodate a new concrete overlay.			



BRIDGE NUMBER: 261 / 120	BRIDGE NAME: TUCANNON R	REGION: South Central	MILEPOST: 10.27
YEAR BUILT / YR WIDENED: 1967	CONTRACT NO.(S):	SUFFICIENCY RATING: 88.13 SD	
BRIDGE TYPE: PCG	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete		
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 5.8 in.			
BRIDGE WIDTH (curb-curb): 25.8 ft.	BRIDGE LENGTH: 211 ft.		
AVERAGE DAILY TRAFFIC (ADT): 603	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: 1.5 Lt 1.5 Rt	
404	EXPANSION JOINTS		
Modifications are required to accomodate the new overlay, please coordinate with the Bridge Office.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
33 sq ft 0.6% of deck		4 / 92	
CHLORIDE RESULTS:			
0 % are > 2 lbs./CY		10 / 86	
REBAR RESULTS:			
63 % are < or = 1 inch		10 / 86	
		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	
		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 35	
		TYPE RECOMMENDED: MC Overlay / Hydro	
COMMENTS:			
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.			



BRIDGE NUMBER: 303 / 12	BRIDGE NAME: PORT WASHINGTON CS1840	REGION: Olympic	MILEPOST: 0.73
YEAR BUILT / YR WIDENED: 1958	CONTRACT NO.(S): 05565 , XE2784 , 13916 , 14490	SUFFICIENCY RATING: 54.09	
BRIDGE TYPE: SG CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:	
DECK TYPE: Lightweight Conc		Polyester Overlay	
DECK THICKNESS: (Main Span) 6.5 in.		Year Applied - 1991	
		Overlay Thickness - 0.8 inches	
BRIDGE WIDTH (curb-curb): 55.0 ft.	BRIDGE LENGTH: 1,717 ft.		
AVERAGE DAILY TRAFFIC (ADT): 31,971	NUMBER OF LANES: 4		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 71.1			
Conc Base - Type 2			
RAIL MEETS CURRENT STANDARDS?: NO		SIDEWALK / CURB WIDTH: 4.0 Lt 4.0 Rt	
402 410 412		EXPANSION JOINTS	
No modifications required at this time.			
DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
PROTECTIVE OVERLAY RECOMMENDED?: NO 09-11 P2 Priority #: 49			
TYPE RECOMMENDED: None			
COMMENTS:			
Bridge Inspections indicate existing overlay is deteriorating.			
A new 1" polyester overlay is required to rehabilitate the deck. This bridge is on the P2 Program Deck priority array.			
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
567 sq ft 0.6% of deck		4 / 97	
CHLORIDE RESULTS:			
58 % are > 2 lbs./CY		8 / 88	
REBAR RESULTS:			
NA			
REVIEWED BY: Bruce Thill		DATE: 12/13/2007	



BRIDGE NUMBER: 405 / 1		BRIDGE NAME: I-5 OC		REGION: Northwest		MILEPOST: 0.00	
YEAR BUILT / YR WIDENED: 1965		CONTRACT NO.(S): 07401 , 14621			SUFFICIENCY RATING: 87.49 FO		
BRIDGE TYPE: CBox				EXISTING WEARING SURFACE AND DECK PROTECTION TYPE:			
DECK TYPE: Conc cast-in-place				original concrete			
DECK THICKNESS: 6.5 in. (Main Span)							
BRIDGE WIDTH (curb-curb): 46.0 ft.		BRIDGE LENGTH: 560 ft.					
AVERAGE DAILY TRAFFIC (ADT): 31,740		NUMBER OF LANES: 3					
VERTICAL CLEARANCE							
VC Type: SR 5 OC NA							
BRIDGE RAIL							
BRIDGE RAIL TYPE: WSDOT CODE - 70.4 Conc Base - Type 1B							
RAIL MEETS CURRENT STANDARDS?: NO		SIDEWALK / CURB WIDTH: 1.5 Lt 1.5 Rt					
408 EXPANSION JOINTS				DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
Modifications are required to accomodate the new overlay, please coordinate with the Bridge Office.				PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 44 TYPE RECOMMENDED: Rapid Set LMC Overlay			
				COMMENTS: Bridge Inspection reports indicate the deck is more than 1% deteriorated with areas in the deck with exposed rebars. Several small areas of heavy scale and delaminations. There are many transverse cracks at 1' spacing through out. We recommend 1.5" Rapid Set Latex Modified Concrete with 0.5" hydromill scarification. As an alternate design, 3/4" Polyester overlay with shot blast to scarify the bridge deck.			
BRIDGE DECK SURVEY							
DELAMINATION RESULTS:		DATE					
129 sq ft 0.5% of deck		9 / 92					
CHLORIDE RESULTS:							
22 % are > 2 lbs./CY		5 / 85					
REBAR RESULTS:							
17 % are < or = 1 inch		4 / 85					
				REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	



BRIDGE NUMBER: 410 / 48	BRIDGE NAME: PSPL CO CANAL	REGION: Olympic	MILEPOST: 21.80
YEAR BUILT / YR WIDENED: 1949	CONTRACT NO.(S): 03592	SUFFICIENCY RATING: 74.89 SD	
BRIDGE TYPE: SG		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 6.5 in.			
BRIDGE WIDTH (curb-curb): 33.0 ft.	BRIDGE LENGTH: 116 ft.		
AVERAGE DAILY TRAFFIC (ADT): 15,649	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 8 Thrie Beam attached to structure			
RAIL MEETS CURRENT STANDARDS?: YES		SIDEWALK / CURB WIDTH: 2.6 Lt 2.6 Rt	
402 408	EXPANSION JOINTS		DECK PROTECTIVE SYSTEM RECOMMENDATIONS
Modifications are required to accomodate the new overlay, please coordinate with the Bridge Office.		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 29	
		TYPE RECOMMENDED: HMA w/membrane	
		COMMENTS: A new deck protection system is required. We recommend placing 0.25' HMA with waterproofing membrane. Expansion Joint Modification is required.	
BRIDGE DECK SURVEY			
DELAMINATION RESULTS:		DATE	
143 sq ft 4.4% of deck		7 / 98	
CHLORIDE RESULTS:			
10 % are > 2 lbs./CY		6 / 85	
REBAR RESULTS:			
12 % are < or = 1 inch		6 / 85	
		REVIEWED BY: Bruce Thill	DATE: 12/13/2007



BRIDGE NUMBER: 432 / 10S	BRIDGE NAME: COWLITZ R & NP RY OC	REGION: Southwest	MILEPOST: 9.58
YEAR BUILT / YR WIDENED: 1961 / 1971	CONTRACT NO.(S): 06321	SUFFICIENCY RATING: 40.16 FO	
BRIDGE TYPE: STrus CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: original concrete	
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 6.5 in.			
BRIDGE WIDTH (curb-curb): 29.5 ft.	BRIDGE LENGTH: 1,676 ft.		
AVERAGE DAILY TRAFFIC (ADT): 15,971	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: Steel Truss			
Minimum VC = 16 FT 03 in			
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	
402 408		EXPANSION JOINTS	
Coordinate with your Region Bridge Maintenance to determine if any repairs are needed.			
BRIDGE DECK SURVEY		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
DELAMINATION RESULTS: 4 sq ft		PROTECTIVE OVERLAY RECOMMENDED?: YES	
0.0% of deck		09-11 P2 Priority #: 38	
DATE: 8 / 85		TYPE RECOMMENDED: MC Overlay / Hydro	
CHLORIDE RESULTS: 0 % are > 2 lbs./CY		COMMENTS:	
DATE: 8 / 85		Bridge Inspection reports indicate the deck is more than 2% deteriorated with a significant amount of exposed rebar in the top of the deck near piers 9 and 12.	
REBAR RESULTS: 11 % are < or = 1 inch		We recommend a 1.5" modified concrete overlay be placed with 0.5" hydromill scarification.	
DATE: 8 / 85		REVIEWED BY: Bruce Thill	
		DATE: 12/13/2007	





BRIDGE NUMBER: 520 / 16		BRIDGE NAME: 108TH AVE NE OC		REGION: Northwest		MILEPOST: 6.27	
YEAR BUILT / YR WIDENED: 1966		CONTRACT NO.(S): 07839 , 13953 , 14849			SUFFICIENCY RATING: 92.31		
BRIDGE TYPE: CBox		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: Polyester Overlay					
DECK TYPE: Conc cast-in-place		Year Applied - 1991					
DECK THICKNESS: (Main Span) 6.5 in.		Overlay Thickness - 0.8 inches					
BRIDGE WIDTH (curb-curb): 141.8 ft.		BRIDGE LENGTH: 271 ft.					
AVERAGE DAILY TRAFFIC (ADT): 82,000		NUMBER OF LANES: 7					
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					
9 EXPANSION JOINTS				DECK PROTECTIVE SYSTEM RECOMMENDATIONS			
				PROTECTIVE OVERLAY RECOMMENDED?: Yes 09-11 P2 Priority #: 58			
				TYPE RECOMMENDED: Replace Overlay			
				COMMENTS: We anticipate the service life of the polyester overlay to be due for replacement in 2017.			
				The bridge was widened on the north side (WB) in 1996. The widening deck section (22'x 271') has epoxy coated rebar. The existing deck has standard rebar and a 3/4" thick Polyester overlay.			
BRIDGE DECK SURVEY				We recommend to Remove and Replace the Polyester overlay.			
DELAMINATION RESULTS: NA		DATE					
CHLORIDE RESULTS: NA							
REBAR RESULTS: NA				REVIEWED BY: <i>Bruce Thill</i>		DATE: 12/13/2007	



BRIDGE NUMBER: 532 / 6	BRIDGE NAME: GN RY COUNTY RD OC	REGION: Northwest	MILEPOST: 4.98
YEAR BUILT / YR WIDENED: 1960	CONTRACT NO.(S): 06837 , 14209	SUFFICIENCY RATING: 77.51 FO	
BRIDGE TYPE: PCG	EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: 3/8in Polymer-Epoxy Year Applied - 1993 Overlay Thickness - 0.4 inches		
DECK TYPE: Conc cast-in-place			
DECK THICKNESS: (Main Span) 7.0 in.			
BRIDGE WIDTH (curb-curb): 26.0 ft.	BRIDGE LENGTH: 699 ft.		
AVERAGE DAILY TRAFFIC (ADT): 12,000	NUMBER OF LANES: 2		
VERTICAL CLEARANCE			
VC Type: NA			
BRIDGE RAIL			
BRIDGE RAIL TYPE: WSDOT CODE - 25 Steel Post w/Thrie Beam			
RAIL MEETS CURRENT STANDARDS?: YES SIDEWALK / CURB WIDTH: 2.0 Lt 2.0 Rt			
404		EXPANSION JOINTS	
Coordinate with your Region's Maintenance Office to determine if any repairs are required.			
BRIDGE DECK SURVEY		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
DELAMINATION RESULTS: 598 sq ft 3.3% of deck	DATE: 7 / 92	PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 48	
CHLORIDE RESULTS: 58 % are > 2 lbs./CY	DATE: 7 / 85	TYPE RECOMMENDED: Rapid Set LMC Overlay	
REBAR RESULTS: 1 % are < or = 1 inch	DATE: 7 / 85	COMMENTS: A 3/8" Polymer overlay (Sika-epoxy) was applied in 1993. Bridge Inspection reports indicate thin overlay is worn thru in locations. Localized concrete failure is forming potholes. We recommend to remove existing thin overlay, scarify 0.5" with Hydromill before placing 1.5" Modified Concrete Overlay.	
		REVIEWED BY: <i>Bruce Thill</i>	DATE: 12/13/2007

