

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
4	026/156	PALOUSE R	96.85	EA	Bridge Deck Overlay - MC	\$236,640
5	090/510N	MEDICAL LAKE RD OC	269.87	EA	Bridge Deck Overlay - MC	\$157,410
6	090/510S	MEDICAL LAKE RD OC	269.87	EA	Bridge Deck Overlay - MC	\$157,410
7	090/512N	BN RR OC (NP)	270.10	EA	Bridge Deck Overlay - MC	\$173,651
8	090/512S	BN RR OC (NP)	270.10	EA	Bridge Deck Overlay - MC	\$173,651
9	090/566	ALTAMONT ST OC	283.03	EA	Bridge Deck Overlay - MC	\$398,742
10	090/570	HAVANA ST OC	284.35	EA	Bridge Deck Overlay - MC	\$382,208
23	090/316N	N PAHA PACKARD RD OC	215.24	EA	Bridge Deck Overlay - MC	\$128,435
24	090/316S	N PAHA PACKARD RD OC	215.24	EA	Bridge Deck Overlay - MC	\$128,435
32	025/130	COLUMBIA R @ NORTHPORT	113.92	EA	MCO hydro	\$727,870
37	021/224	SINKING CR	85.16	EA	HMA / mem - Protect Slab	\$28,277
45	090/540N	HANGMAN CR	279.49	EA	Bridge Deck Overlay - MC	\$1,171,433
46	090/540S	HANGMAN CR	279.49	EA	Bridge Deck Overlay - MC	\$1,171,433
Total Number of Bridges = 13					Total of Bridge Item\$ =	\$5,035,593



P2 Bridge Preservation - Concrete Deck Repair / Overlay Projects



2009-11 Bien Priority Array

(Sorted by State Route)



09-11 #	Bridge Number	Bridge Name	Mile post	Region	Future Work Description	Bridge Item\$'s
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
23	090/316N	N PAHA PACKARD RD OC	215.24	EA	Bridge Deck Overlay - MC	\$128,435
24	090/316S	N PAHA PACKARD RD OC	215.24	EA	Bridge Deck Overlay - MC	\$128,435
5	090/510N	MEDICAL LAKE RD OC	269.87	EA	Bridge Deck Overlay - MC	\$157,410
6	090/510S	MEDICAL LAKE RD OC	269.87	EA	Bridge Deck Overlay - MC	\$157,410
7	090/512N	BN RR OC (NP)	270.10	EA	Bridge Deck Overlay - MC	\$173,651
8	090/512S	BN RR OC (NP)	270.10	EA	Bridge Deck Overlay - MC	\$173,651
45	090/540N	HANGMAN CR	279.49	EA	Bridge Deck Overlay - MC	\$1,171,433
46	090/540S	HANGMAN CR	279.49	EA	Bridge Deck Overlay - MC	\$1,171,433
9	090/566	ALTAMONT ST OC	283.03	EA	Bridge Deck Overlay - MC	\$398,742
10	090/570	HAVANA ST OC	284.35	EA	Bridge Deck Overlay - MC	\$382,208
Total Number of Bridges = 13					Total of Bridge Item\$ =	\$5,035,593



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	
BRIDGE DECK SURVEY		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
DELAMINATION RESULTS: 0 sq ft 0.0% of deck		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 37	
CHLORIDE RESULTS: 20 % are > 2 lbs./CY		TYPE RECOMMENDED: HMA with membrane	
REBAR RESULTS: 10 % are < or = 1 inch		COMMENTS: Bridge Inspections indicate significant deck deterioration. We recommend 0.25' of HMA w/waterproofing membrane be added to this bridge.	
DATE: 6 / 85		REVIEWED BY: Bruce Thill	
DATE: 6 / 85		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-to-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		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 #: 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 DECK SURVEY			
DELAMINATION RESULTS:		DATE	
114 sq ft 1.2% of deck		11 / 02	
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



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	
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		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.	
REVIEWED BY: <i>Bruce Thill</i>		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:			
DECK TYPE: Conc cast-in-place				original concrete			
DECK THICKNESS: 7.0 in. (Main Span)				Overlay Thickness - 1.5 inches			
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: <i>Bruce Thill</i>		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	
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: 490 sq ft 10.3% of deck		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 05	
DATE: 9 / 92		TYPE RECOMMENDED: MC Overlay / Mill & Hydro	
CHLORIDE RESULTS: 30 % 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.	
REBAR RESULTS: NA		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.	
		REVIEWED BY: Bruce Thill	
		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			
				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 #: 06			
				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" overlay by milling 1" and hydromilling 0.5". This bridge is on the P2 Deck Program priority array.			
BRIDGE DECK SURVEY							
DELAMINATION RESULTS:		DATE					
228 sq ft		4.8% 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 / 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: (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 #: 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: <i>Bruce Thill</i>	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: 8.0 in. <small>(Main Span)</small>		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		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 #: 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).	
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			
REVIEWED BY: Bruce Thill		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:		DATE	
172 sq ft 2.5% of deck		9 / 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: 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: (Main Span) 18.0 in.		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	
If the Region chooses to provide temporary Asphalt Overlay, Standard Plan, Detail 1 should be used at the Back of Pavement Seats.			
BRIDGE DECK SURVEY		DECK PROTECTIVE SYSTEM RECOMMENDATIONS	
DELAMINATION RESULTS: 220 sq ft 3.4% of deck		PROTECTIVE OVERLAY RECOMMENDED?: YES 09-11 P2 Priority #: 10	
DATE: 8 / 92		TYPE RECOMMENDED: Rapid Set LMC Overlay	
CHLORIDE RESULTS: 41 % are > 2 lbs./CY		COMMENTS:	
DATE: 12 / 79		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.	
REBAR RESULTS: NA		Region may provide a temporary 1.5" Asphalt Overlay and Standard Plan A7 details (see Expansion Joints).	
		REVIEWED BY: <i>Bruce Thill</i>	
		DATE: 12/13/2007	