

## 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
38	432/010S	COWLITZ R & NP RY OC	9.58	SW	MCO & Hydro rebar	\$952,786
39	006/123	CHEHALIS R RIVERSIDE	50.94	SW	HMA Deck Prep Rhab joints	\$112,183
Total Number of Bridges = 2					Total of Bridge Item\$ =	\$1,064,969



## 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
39	006/123	CHEHALIS R RIVERSIDE	50.94	SW	HMA Deck Prep Rhab joints	\$112,183
38	432/010S	COWLITZ R & NP RY OC	9.58	SW	MCO & Hydro rebar	\$952,786
Total Number of Bridges = 2					Total of Bridge Item\$ = \$1,064,969	



BRIDGE NUMBER: <b>6 / 123</b>	BRIDGE NAME: <b>CHEHALIS R RIVERSIDE</b>	REGION: <b>Southwest</b>	MILEPOST: <b>50.94</b>
YEAR BUILT / YR WIDENED: <b>1939</b>	CONTRACT NO.(S): <b>02538</b>	SUFFICIENCY RATING: <b>43.76 SD</b>	
BRIDGE TYPE: <b>STrus TTC</b>		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <b>Original Concrete</b>	
DECK TYPE: <b>Conc cast-in-place</b>			
DECK THICKNESS: (Main Span) <b>6.5 in.</b>			
BRIDGE WIDTH (curb-curb): <b>24.0 ft.</b>	BRIDGE LENGTH: <b>1,045 ft.</b>		
AVERAGE DAILY TRAFFIC (ADT): <b>7,848</b>	NUMBER OF LANES: <b>2</b>		
<b>VERTICAL CLEARANCE</b>			
VC Type: <b>Steel Truss</b> <b>NA</b>			
<b>BRIDGE RAIL</b>			
BRIDGE RAIL TYPE: <b>WSDOT CODE - 26</b> <b>Steel Post - Bull Rail</b>			
RAIL MEETS CURRENT STANDARDS?: <b>NO</b>		SIDEWALK / CURB WIDTH: <b>0.6 Lt 3.5 Rt</b>	
<b>402 408</b>	<b>EXPANSION JOINTS</b>		
Coordinate with your Region Bridge Maintenance to determine if any repairs are needed.			
<b>BRIDGE DECK SURVEY</b>			
DELAMINATION RESULTS: <b>1 sq ft</b>		DATE <b>8 / 85</b>	
<b>0.0% of deck</b>			
CHLORIDE RESULTS: <b>26 % are &gt; 2 lbs./CY</b>			
<b>8 / 85</b>			
REBAR RESULTS: <b>24 % are &lt; or = 1 inch</b>			
<b>8 / 85</b>			
REVIEWED BY: <b><i>Bruce Thill</i></b>		DATE: <b>12/12/2007</b>	
<b>DECK PROTECTIVE SYSTEM RECOMMENDATIONS</b> PROTECTIVE OVERLAY RECOMMENDED?: <b>YES</b> 09-11 P2 Priority #: <b>39</b> TYPE RECOMMENDED: <b>HMA / membrane</b>  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: <b>432 / 10S</b>	BRIDGE NAME: <b>COWLITZ R &amp; NP RY OC</b>	REGION: <b>Southwest</b>	MILEPOST: <b>9.58</b>
YEAR BUILT / YR WIDENED: <b>1961 / 1971</b>	CONTRACT NO.(S): <b>06321</b>	SUFFICIENCY RATING: <b>40.16 FO</b>	
BRIDGE TYPE: <b>STrus CBox</b>		EXISTING WEARING SURFACE AND DECK PROTECTION TYPE: <b>original concrete</b>	
DECK TYPE: <b>Conc cast-in-place</b>			
DECK THICKNESS: (Main Span) <b>6.5 in.</b>			
BRIDGE WIDTH (curb-curb): <b>29.5 ft.</b>	BRIDGE LENGTH: <b>1,676 ft.</b>		
AVERAGE DAILY TRAFFIC (ADT): <b>15,971</b>	NUMBER OF LANES: <b>2</b>		
<b>VERTICAL CLEARANCE</b>			
VC Type: <b>Steel Truss</b>			
Minimum VC = <b>16 FT 03 in</b>			
<b>BRIDGE RAIL</b>			
BRIDGE RAIL TYPE: <b>WSDOT CODE - 60</b>			
<b>New Jersey Barrier</b>			
RAIL MEETS CURRENT STANDARDS?: <b>YES</b>		SIDEWALK / CURB WIDTH: <b>0.0 Lt 0.0 Rt</b>	
<b>402 408</b>		<b>DECK PROTECTIVE SYSTEM RECOMMENDATIONS</b>	
<b>EXPANSION JOINTS</b>		PROTECTIVE OVERLAY RECOMMENDED?: <b>YES</b> 09-11 P2 Priority #: <b>38</b>	
Coordinate with your Region Bridge Maintenance to determine if any repairs are needed.		TYPE RECOMMENDED: <b>MC Overlay / Hydro</b>	
		COMMENTS:	
		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.	
		We recommend a 1.5" modified concrete overlay be placed with 0.5" hydromill scarification.	
<b>BRIDGE DECK SURVEY</b>			
DELAMINATION RESULTS:		DATE	
<b>4 sq ft 0.0% of deck</b>		<b>8 / 85</b>	
CHLORIDE RESULTS:			
<b>0 % are &gt; 2 lbs./CY</b>		<b>8 / 85</b>	
REBAR RESULTS:			
<b>11 % are &lt; or = 1 inch</b>		<b>8 / 85</b>	
		REVIEWED BY: <b>Bruce Thill</b>	DATE: <b>12/12/2007</b>

