

Bridge Inspection										
Bridge File Number	73810 E-2 Bridge				Form Type	SG				
Year Built/Year Supstr	1951/1951				Lot No.	2				
Bridge or Town Name	WHITECOURT				Inspector Name	Kris Bosters				
Located Over	ATHABASCA RIVER, 8.11, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	43:14 R1 40.805				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	04-Oct-2011				
Legal Land Location	NW SEC 34 TWP 59 RGE 12 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-115:43:11, 54:09:08				Data Entry Date	25-Oct-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA12				Review Date	22-Oct-2011				
Clear Roadway/Skew	12.4 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	10,000 / 2010 (A)				Dept. Review Date	26-Oct-2011				
Road Classification	RAD-412.4-120				Follow-Up By					
Detour Length (km)	1									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	CS750						----> Primary Span			

Posting Information									
Required Load Posting (t)	Single		Semi		Truck Train				
Posted Loading (t)	Single		Semi		Truck Train				
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	At West end only.								
Other Sign Types	110 kph, River ID - SW.								

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	3 lines North r/w of WB bridge.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Wide crack in ACP - both abutments. Alligator cracks in S lane W side of bridge.-photo					
Vertical Alignment		7	7						
Roadway Width (m)	12.700			SE - 40.4m; NW - 51.8m; SW - 36.6m; NE - 2.4m.					
Approach Bump		7	5						
Guardrail (Y/N)	Yes			Insufficient posts					
Guardrail		7	7						
Length (m)	36.600								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage		7	7						
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>						

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : <b>WG, 6 Spans, Lengths(m): 24.2-38.4-38.4-30.8-30.8-24.2, A-Ident Number: A1305-01</b> )							
<b>Special Features</b>							
Special Feature			X				
(Type : )							
Special Feature			X				
(Type : )							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
<b>Last</b>	5						
<b>Now</b>							
Wearing Surface			6	6	Random wide transverse & pavement longitudinal cracks. Transverse crack over piers, no joints. Chip coat peeled off along curb at a few.		
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )							
(Thickness(mm) : <b>50</b> )							
Deck Top			N	N			
Deck Rideability			7	7			
Deck Joints			6	6	East abutment fingers rattle under truck traffic. No gaps under fingers.		
Temperature (deg. C)		12					
(Expansion Type : <b>FINGER PLATES</b> )							
(Fixed Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )							
Gap Size (mm)		Gap Location					
74		W. abut.					
150		E. abut.					
Deck Drainage			4	4	Debris along gutters impedes drainage.		
Drains Clogged (Y/N)		No					
Curbs/Median			N	6	Vertical cracks on fascia @ posts. Light sealing on tops of curbs.		
(Curb Type : <b>Standard</b> )							
Scaling (Percent Area)		0					
Bridge Rail			8	8	Dirty.		
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )							
Bridge Rail Posts		N	8				
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )							
Bridge Rail/Posts Coating		8	8				
(Type : <b>GALVANIZED</b> )							
Sidewalk			X	X			
<b>Girder/Beam</b>							
Cover Plate			X	X	2 tube girder/span.		
Flange			8	8			
Web			8	8			
Stiffeners			8	8			
Splice			8	8			
Weld			8	8			
Diaphragms/Cross Frame			8	8			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 6 Spans, Lengths(m): 24.2-38.4-38.4-30.8-30.8-24.2, A-Ident Number: A1305-01</b> )				
Paint Condition		8	8	Weathering steel.
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		8	8	As viewed from banks and 78810W Expansion at E end.
Temperature (deg. C)	10			
(Expansion Type : <b>POT BEARING</b> )				
(Fixed Type : <b>POT BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	5	Inspected between box girders. Medium cracks with salt stains extending down from fascia at 2m o.c.
Stains (Percent Area)	2			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-SOLID</b> )				As viewed from banks and 73810W
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				Random map cracking visible on most piers.
(Total Number of Bearing Piles : <b>0:0:0:0:0</b> )				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		8	8	
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		N	N	
Debris (Y/N)	Yes			Small amount of drift at P2 and 4.
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		8	8	Class III rock armouring lower 1/3 of concrete slope protection.
(Type : <b>CONCRETE; CONCRETE</b> )				
Guidebank/Spurs		8	8	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Patch ACP and seal cracks on deck and approaches.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>74.7/74.8</b>	Est. Repl. Yr	2079	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Arnold Assenheimer		Previous Assistant's Name	Wade Nanninga			
Next Inspection Date	04-Jul-2013		Previous Inspection Date	30-Oct-2009			
Inspection Cycle (Default) (months)	21						
Comment							