Design Loading: CS750 Posting Information Required Load Posting (t) Single Semi Truck Train Posted Loading (t) Single Semi Truck Train Posted: Lane NB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) No Posted: Lane SB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) No Remarks Not req. Hazard Marker At Bridge (Y/N) No Remarks Other Sign Types Curve, 85km/hr, river ID Utilities (Located at) Utility Attachments Telephone W. side of bridge. Gas Power West curb to P2. Municipal Others Problem (Y/N) No Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment Critical Mem						
Inspector Name COWLEY Inspector Name Inspector Name Inspector Class BR CLS A	00313 -1 Bridge	PSR				
Bridge or Town Name	1990/1990					
Located Over CROWSNEST RIVER, 2.12.37, Watter Body CL/Year Located On 510:02 C1 4.137 Water Body CL/Year Navigabil. CL/Year Legal Land Location SW SEC 33 TWP 7 RGE 1 W5M Longitude, Latitude -114:04:54, 49:35:54 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA26 Clear Roadway/Skew 9 / ADDITIVEAR ADDITIVEAR ASSISTANT Name Assistant Class Inspection Date 28-Nov-2012 Data Entry by Kelsey Roberts Reviewer Name Tom Carey Reviewer Name Tom Carey Dept. Review Date 06-Dec-2012 Dept. Review Date 06-Dec-2012 Dept. Review Date 08-Jan-2013 Follow-Up By Foll		Garry Roberts				
WATERCRS-ST Located On 510:02 C1 4.137 Water Body CI./Year Legal Land Location Longitude, Latitude Longitude, Latitude, Parker Name Longitude, Latitude, Parker Name Longitude, Latitude						
Assistant Class	ited Over CROWSNEST RIVER, 2.12.37,					
Navigabil. Cl./Year		Assistant Class				
Navigabil. Cl./Year Legal Land Location SW SEC 33 TWP 7 RGE 1 W5M Data Entry By Kelsey Roberts		Inspection Date 28-Nov-2012				
Legal Land Location		Data Entry By Kelsey Roberts				
Congitude, Latitude	SW SEC 33 TWP 7 RGE 1 W5M	Data Entry Date 03-Jan-2013				
Road Authority Alberta Transportation (AIT) Contract Main. Area CMA26 Clear Roadway/Skew 9 / Dept. Reviewer Name Dept. Review Date AADT/Year 270 / 2011 (A) Road Classification RCU-209-110 Detour Length (km) 30 Allowable Load (t): Single CS1 28 Semi CS2 49 Train CS3 62> On Critical Semi CS2 49 Train CS3 62> Critical Mem CS3 62		Reviewer Name Tom Carey				
Contract Main. Area		Review Date 06-Dec-2012				
Clear Roadway/Skew 9 /		n Davies				
AADT/Year 270 / 2011 (A) Road Classification RCU-209-110 Detour Length (km) 30 Allowable Load (t): Single CS1 28 Semi CS2 49 Train CS3 62> On Critical Semi CS2 49 Train CS3 62> On Critical Mem CS3 62> On Critical M						
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Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment 6 6	curb to 1 2.					
Approach Road Last Now Explanation of Condition Horizontal Alignment 6 6						
Horizontal Alignment 6 6 6 Explanation of Condition						
Horizontal Alignment 6 6	La					
Vertical Alignment 6 6						
Roadway Width (m) 9.500						
Approach Bump 6 7						
Guardrail (Y/N) Yes Box beam rail (150 mm x 150 mm)	Yes	Box beam rail (150 mm x 150 mm)				
Guardrail 7 7 I-Beam post @ 1800.						
Length (m) 99.000	99.000					
Current Standard (Y/N) Yes	/N) Yes					
Termination Type TURNDOWN						
Drainage 7 7						
Annuard Bad Carrel Bating	and Dating					
Approach Road General Rating 6 6	eral Kating					

Superstructure								
Bridge Component		Last Now						
(Primary Span : CBC, 5 Spans, Lengths(m): 38-46-46-				, A-Idei	nt Number:)			
Special Features								
Special Feature			X	Under west curb @ pier #2.				
(Type:)					Water Monitoring Station - window broken			
Special Feature			Х					
(Type:)								
Wearing Surface/Deck Top Detail Ratings								
	(%)	2 (%)	3 (%)					
Last 0	0	0		0				
Now 0.0	0.0	0.0	C	0.0				
Wearing Surface		·	6 5		sealed transverse cracks- isolated small delams.			
(Material Type : ACP)					Minor isolated potholes.			
(Thickness(mm): 90)								
Lateral Connection Problem (Y/N)	No							
Deck Top			N	N				
Deck Rideability			7	7				
Deck Joints			3	3	26 broken welds at south abut. fingers and sitting up close to 10mm.			
Temperature (deg. C) -6								
(Expansion Type : FINGER	PLATES)							
(Fixed Type : FINGER PLA	TES)							
Gap Size (mm)		Gap Location						
200		S. abut						
115	N. ab				-			
					-			
					-			
					-			
Deck Drainage	·		7	7				
Drains Clogged (Y/N) No								
Curbs/Median			7	7	Transverse cracks along both curbs -			
(Curb Type : Standard)					(approx 1.5 m) @ 0.3 mm wide.			
Scaling (Percent Area)	0							
Bridge Rail			8	8	10% have cracked/spalled pads - 50% repaired with Sika Flex Grout			
(Type : GALVANIZED STEEL BRIDGE TUBE)					1			
Bridge Rail Posts			3	3	1 A/B nut missing at NW corner post			
(Type : GALVANIZED POS STEEL)	T STEEL;G	SALVANIZED			-			
Bridge Rail/Posts Coating				7				
(Type : GALVANIZED)			7	,	-			
Sidewalk			Х	Х				
Sidewaik			^					
Girder Detail Ratings								
N (count) 1	(count)	2 (count)	3 (count)					
Last 0	0	0	0					
Now 0	0	0		0				
Girders			8	8	Narrow cracks @ outside of exteriors			
Cracking (Y/N)	Yes				Only End spans seen and partial mid spans.			
Spalling (Percent Area)	0				They End spans seen and partial fille spans.			
(Number Of Girders : 4)								

			tructure	
Bridge Component La (Primary Span : CBC, 5 Spans, Lengths(m): 38-46-46-46		Last	Now	Explanation of Condition
(Primary Span : CBC, 5 Spans, I	Lengths(m): 38-46-46-	46-38,	A-Iden	nt Number:)
Diaphragms/Cross Frame		8	8	
Bearings		7	7	
Temperature (deg. C)	-6			
(Expansion Type : POT BEAR	NG)			
(Fixed Type : POT BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Efflorescence @ transverse cracks @
Stains (Percent Area)	1			exterior.
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
		7	7	
Bridge Component Abutments Bearing Seats/Caps (Type: CONCRETE)				
			Subst	ructure
		Last	Now	Explanation of Condition
		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	curtain walls
Piles		N	N	Buried
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
				HWM gauge at P4
(Total Number of Bearing Piles : 0:0:0:0) Pier Shaft/Piles		8	8	Trivin gauge at 1 4
Bracing/Struts/Sheathing		Х	X	
Nose Plate		Х	X	
Paint/Coating		Х	X	
(Colour Description :)		_ ^		
(Colour Code :)	1	0		
Pier Stability		8	8	
Scour		N	N	Too deep
Debris (Y/N)	No			
Substructure General Rating		8	8	

		5	Structu	re Usage
			Now	Explanation of Condition
Channel				
(U/S Direction : W)				Reservoir.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	6.0			Drift on slopes, HWM gauge at P4.
Drift (Y/N)	No			
Slope Protection 7 7		Class I		
(Type: RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating 7 7				

		Maintenance Reco	mmendations				
Inspector Recommendations	Year	Inspector Comments	Department Comr	ments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2013	Replace 1 missing 1" galv. nut					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Repair 26 broken finger welds					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSI	NC						
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/No. (%)	ow) 83.3/83	Sufficiency Rating (Last/Nov (%)	v) 72.9/72.9	Est. Repl. Yr 20	60 Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	1 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts	Pi	revious Assistant's Name				
Next Inspection Date	28-Feb-2016	Pı	revious Inspection Date	07-Sep-2009			
Inspection Cycle (Default) (months)	39						
		·					