

Bridge Inspection											
Bridge File Number	79443 -1 Bridge				Form Type	PSR					
Year Built/Year Supstr	1978/1978				Lot No.	2					
Bridge or Town Name	COLEMAN				Inspector Name	Garry Roberts					
Located Over	CROWNEST RIVER, 2.12.37, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	3:02 C1 7.088				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	28-Nov-2011					
Legal Land Location	SW SEC 10 TWP 8 RGE 5 W5M				Data Entry By	Erin Roberts					
Longitude, Latitude	-114:36:08, 49:37:56				Data Entry Date	05-Jan-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey					
Contract Main. Area	CMA26				Review Date	07-Dec-2011					
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	Alvin Gale					
AADT/Year	6,470 / 2010 (A)				Dept. Review Date	12-Jan-2012					
Road Classification	RAU-213-120				Follow-Up By						
Detour Length (km)	3										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> 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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	River identification								

Utilities (Located at)										
Utility Attachments										
Telephone	AGT South side				Gas					
Power	South side to environmental shed 3 wire				Municipal					
Others	60 m to SE.				Problem (Y/N)	No				
Remarks	Fibre optics @ North R/W AGT conduit @ North curb under side									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Hill CPR bridge to East results in blind spot.				
Vertical Alignment			6	6					
Roadway Width (m)			13.700						
Approach Bump			5	5					
Guardrail (Y/N)			Yes		Missing 2 bolts for transition to tube rail. 1 at each West end.				
Guardrail			4	4					
Length (m)			34.000		Not thriebeam				
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
Drainage			4	5	Minor ditch erosion @ SE @ wingwall				
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : LF, 1 Spans, Lengths(m): 38.1, A-Ident Number:)					
Special Features					
Special Feature		7	7		
(Type : EXT LATER POST TENS)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		6	4	Chip coat at driving lanes - 40% worn. 7 key cracks	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top		N	7	60% visible.	
Deck Rideability		7	7		
Deck Joints		4	4	SE & NE curb cover plate weld broken	
Temperature (deg. C)		3			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
60		East			
90		West			
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		3	3	Minor scaling- abrasion throughout 10th & 11th & 14th posts from SW have curb spalls @ exterior	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail		7	7	Grout pads failed on 40% of posts.	
(Type : STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4	Several post A/B nuts are just flush	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		4	4	Superficial corrosion on 20% of base plates and rail.	
(Type :)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		4	4	Typical top chamfer cracks on all units. SW girder patched but patch poor with some patch material fallen off. Strand & rebar still exposed & Some web cracks as wide as medium width	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
(Number Of Girders : 9)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : LF, 1 Spans, Lengths(m): 38.1, A-Ident Number:)				
Diaphragms/Cross Frame		6	6	
Bearings		7	7	A2 East is expansion.
Temperature (deg. C)	3			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	(Inspected @ rain - no active leakage seen)
Stains (Percent Area)	5			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		5	5	
Abutment Stability		7	7	
Scour/Erosion		6	6	Minor settlement at A2.
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				Hwm not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Install 2-50x20mm bolts c/w nuts @ West transitions					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2012	Patch South curb @ 10th & 11th & 14th posts-grout 8 post bases.					
PATCH DECK							
SEAL DECK	2012	GFE along 7 girder grout key cracks.					
OVERLAY DECK	2012	Apply Chipcoat					
REPAIR/REPLACE DECK JOINTS	2012	Straighten NW cover Plate					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Patch SW Girder-300 long x 150 wide patch					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	58.2/58.0	Est. Repl. Yr	2034	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	28-Aug-2013		Previous Inspection Date	17-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							