

Bridge Inspection									
Bridge File Number	72639 -1 Bridge					Form Type	TH		
Year Built/Year Supstr	1932/1950					Lot No.	2		
Bridge or Town Name	COALSPUR					Inspector Name	Shane Hall		
Located Over	MCLEOD RIVER, 8.11.107, WATERCRS-ST					Inspector Class	BR CLS A		
Located On	40:26 C1 10.748					Assistant Name			
Water Body Cl./Year						Assistant Class			
Navigabil. Cl./Year						Inspection Date	16-Oct-2012		
Legal Land Location	SE SEC 14 TWP 48 RGE 22 W5M					Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:06:18, 53:08:20					Data Entry Date	14-Nov-2012		
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA13					Review Date	12-Nov-2012		
Clear Roadway/Skew	7.3 /					Dept. Reviewer Name	Brent Herrick		
AADT/Year	160 / 2011 (A)					Dept. Review Date	20-Nov-2012		
Road Classification	RCU-209G-90					Follow-Up By			
Detour Length (km)	83								
Allowable Load (t):	Single	H 36 FLOOR BEAM		Semi	HS 52 FLOOR BEAM		Train	CS3 77 U2U3	----> On Critical Spans ---->Critical Member
Design Loading:	MS300						----> Primary Span		

Posting Information													
Required Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N) Yes													
Posted:	Lane	EB	On Bridge (m)	5.6	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	5.6	In Advance (Y/N)	Yes	
Remarks Minor damage to West VC. East vertical clearance bracket torn, sign secured with wires.													
Required Load Posting (t)													
Posted Loading (t)													
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)	Yes												
Remarks													
Other Sign Types	Information, Curve, 25 kmh, Icy Patch, Windy Road, Slide Area, "McLeod River".												

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

Approach Road													
				Last	Now	Explanation of Condition							
Horizontal Alignment				3	3	Steep East approach (10%). Windy & blind curve to bridge from East approach.-photo							
Vertical Alignment				3	3								
Roadway Width (m)		9.000											
Approach Bump				5	5								
Guardrail (Y/N)		Yes				No guardrail @ NE corner, creates hazard at bridgerail.-photo							
Guardrail				5	3	Missing one post @ SE.-photo Not thrie beam.							
Length (m)		11.400											
Current Standard (Y/N)		No											
Termination Type		Turned Down											
Drainage				5	5								
Approach Road General Rating				3	3								

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : TH, 1 Spans, Lengths(m): 45.7, A-Ident Number: A0179-05)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface/Deck Top			7	6	
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)					
(Plank Thickness(mm) : 75)					
(Plank Width(mm) : 300)					
Deck Rideability			7	6	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Curbs/Wheel Guards			5	5	
(Curb Type : Standard)					
(Type : TREATED TIMBER)					
(Thickness(mm) : 150)					
(Width(mm) : 300)					
Bridge Rail			6	6	Galvanized T-section blocking. Missing blocking @ L0S & L8N end posts.-photo
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts/Blocking			4	4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : TH, 1 Spans, Lengths(m): 45.7, A-Ident Number: A0179-05)						
Wide Load Damage (Y/N)	Yes				Minor nick SW bottom post L0-U1. West portal bent over 2 rivet lengths. East portal, minor nicks & bent over 3 rivets. Nick L3-U3S. U2L2N, U2L2S, U6L6N, U6L6S all bowed. Some old holes for wheelguard not plugged. 8 bays x 12 stringers.	
High Load Damage (Y/N)	Yes					
Top Chord			7	7		
Batter Posts			6	6		
Sway Bracings			7	7		
Diagonals			6	6		
Verticals			6	6		
Portals			5	5		
Connections			7	7		
Floor Beams			6	6		
Bottom Chord			7	7		
(No. of Stringers : 96)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers			7	7		
(Type : STEEL)						
(Width(mm) : 135)						
(Depth(mm) : 385)						
(Spacing(mm) : 660)						
Paint Condition			5	5	Chips in splash zone.	
(Colour Description : GREEN)						
(Colour Code : 14090)						
Touchup Required (Y/N)	No					
Bearings			6	5	Neoprene pads at abutment 1 West. Missing one AB nut at SE bearing.	
Temperature (deg. C)	2					
(Expansion Type : REINFORCED PAD BEARING)						
(Fixed Type : DISC & DOME BEARING)						
Functioning (Y/N)	Yes					
Sub Deck/Deck Underside			7	7		
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 100)						
(Plank Width(mm) : 300)						
Defects (Percent Area)	0					
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rating			5	5		
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
(Total Number of Caps/Corbels : 1:1)				350 x 300 TT backwall cap.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)			3 (count)
Last						
Now						
Bearing Seats/Caps/Corbels			7			7
(Type : CONCRETE)						
(Depth(mm) : 900)						
(Width(mm) : 1600)						
Backwalls/Breastwalls						7
Greatest Height (m)		2.00				
Wingwalls			7	7	SE wing is concrete, remainder are TT with H-piles.	
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)			3 (count)
Last						
Now						
Piles			7			7
Paint/Coating			X			X
Abutment Stability			7			7
Scour/Erosion			6			5
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels			X	X		
(Type :)						
(Total Number of Bearing Piles :)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles			X	X		
Greatest Height (m)						
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 : S)		60 degree bend 100m U/S.		
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	Old concrete abutments on each side. Provides excellent protection. Class II, west side only.
(Type : RIP RAP; NONE)				
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	2013	Install missing blocking at end posts.					
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Install guardrail at NE corner to remove bridgerail hazard.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	51.0/51.3	Est. Repl. Yr	2047	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	Eric Caroux	Previous Assistant's Name	
Next Inspection Date	16-Jul-2014	Previous Inspection Date	08-Nov-2010
Inspection Cycle (Default) (months)	21		
Comment			