

Bridge Inspection										
Bridge File Number	78055 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1985/1985				Lot No.	3				
Bridge or Town Name	COALHURST				Inspector Name	Jason Rusu				
Located Over	OLDMAN RIVER, 2.12, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	509:02 C1 47.068				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	17-Nov-2012				
Legal Land Location	NW SEC 24 TWP 9 RGE 23 W4M				Data Entry By	Kelsey Roberts				
Longitude, Latitude	-112:59:54, 49:44:58				Data Entry Date	14-Dec-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA25				Review Date	01-Dec-2012				
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	1,400 / 2011 (A)				Dept. Review Date	27-Dec-2012				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	11									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	---> On Critical Spans --->Critical Member			
Design Loading:	MS300						---> Primary Span			

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 required								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	Curve, river ID								

Utilities (Located at)										
Utility Attachments										
Telephone	NE & SE corners				Gas					
Power	1 W 20m west				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		6	6	Curves both ends.					
Vertical Alignment		7	7						
Roadway Width (m)	10.000								
Approach Bump			6	6					
Guardrail (Y/N)	Yes		2 Connection bolts missing at Connection to NE Bridgerail.						
Guardrail			6	3	Vehicle damage at SW Bolts loose at NW Not thriebeam				
Length (m)	99.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating		6	3						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 3 Spans, Lengths(m): 50-62-50, A-Ident Number: A0995-01)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(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	5	Medium width transverse and discontinuous lungit, cracks.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			3	6	Finger welds repaired since last inspection. No cracked welds found.
Temperature (deg. C)		6			
(Expansion Type : FINGER PLATES)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
95			North		
47			South		
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Traverse cracks every 0.2 to 0.5 mm wide Efflorescence on u/s curbs through cracks. Isolated scaling @ east @ span 2
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	bolts have been replaced.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		3	6		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			8	8	
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 : WG, 3 Spans, Lengths(m): 50-62-50, A-Ident Number: A0995-01)				
Paint Condition		X	X	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		7	7	20 deg tilt @ both abuts At abuts and pier 2. At pier 1.
Temperature (deg. C)	8			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Efflorescence @ transverse cracks.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-SOLID)				Massive piers
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		7	7	galvanized
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	north pier too deep
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				SP-pulled away 40 & down 50 mm @ both.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)	10.0			
Drift (Y/N)	No			
Slope Protection		7	7	Natural @ south toe, Class II @ N. toe & concrete @ both from toe to abuts. Filled with foam strip and caulked.
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		8	8	Concrete apron 30 to 50 m both sides of bridge @ both banks & class II 20m further @ north bank.
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Install 2 nut Bolts and washers @ NW and tighten nuts at NW guardrail to bridgerail connection. Repair guardrail damage at SW-10m.					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	63.2/53.6	Est. Repl. Yr	2039	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	17-Feb-2016		Previous Inspection Date	06-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							