

Bridge Inspection										
Bridge File Number	81531 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1989/1989				Lot No.	4				
Bridge or Town Name	COWLEY				Inspector Name	Garry Roberts				
Located Over	OLDMAN RIVER, 2.12, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	510:02 C1 8.020				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	28-Nov-2012				
Legal Land Location	SE SEC 3 TWP 8 RGE 1 W5M				Data Entry By	Kelsey Roberts				
Longitude, Latitude	-114:03:17, 49:36:44				Data Entry Date	03-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	CMA26				Review Date	06-Dec-2012				
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	270 / 2011 (A)				Dept. Review Date	08-Jan-2013				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	30									
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)	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	Severe wing gusts. River ID								

Utilities (Located at)									
Utility Attachments									
Telephone	S. side of bridge.				Gas				
Power					Municipal				
Others	Water monitoring shed SE.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Hill and curves both ends				
Vertical Alignment			6	6					
Roadway Width (m)		9.200							
Approach Bump			7	7					
Guardrail (Y/N)		Yes			Consists of 3" I-beam posts. 6" sq. steel tube.				
Guardrail			7	7					
Length (m)		99.000			Not thrie beam				
Current Standard (Y/N)		No							
Termination Type		TURNDOWN							
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 4 Spans, Lengths(m): 38-46-46-46, A-Ident Number: A1196-01)						
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			7	7	Isolated transverse cracks	
(Material Type : ACP)						
(Thickness(mm) : 50)						
Deck Top			N	N	Paved over	
Deck Rideability			8	8		
Deck Joints			7	7		
Temperature (deg. C)		-6				
(Expansion Type :)						
(Fixed Type : FINGER PLATES)						
Gap Size (mm)		Gap Location				
60		N. abut				
60		E. abut				
Deck Drainage			8	7		
Drains Clogged (Y/N)		No				
Curbs/Median			7	7	0.3 mm wide transverse cracks @ 2 m.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			8	8		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			8	8		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X	Only end spans seen and partial mid spans.	
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, 4 Spans, Lengths(m): 38-46-46-46, A-Ident Number: A1196-01)				
Paint Condition		X	X	Weathering Steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	Rockers at Abuts. and appers to be sliding plates at P2. P1 and P3.
Temperature (deg. C)	-6			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Efflorescence @ transverse cracks @ exterior. - only end spans seen
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	
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)				
(Total Number of Bearing Piles : 0:0:0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	Too deep ice.
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Reservoir both sides.
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		6	6	Steep Cut @ NE & SE
HWM (m below Top of Curb)	5.0			No visible HWM Trees @ banks
Drift (Y/N)	Yes			
Slope Protection		7	7	Class I
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		7	7	
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							
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) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	72.8/72.8	Est. Repl. Yr	2058	Maint. Req. (Y/N)	No
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-Feb-2016		Previous Inspection Date	07-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							