

Bridge Inspection									
Bridge File Number	77541 -1 Bridge				Form Type	CON			
Year Built/Year Supstr	1983/1983				Lot No.	2			
Bridge or Town Name	BLAIRMORE				Inspector Name	Garry Roberts			
Located Over	CROWSNEST RIVER, 2.12.37, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	3:02 C1 21.465				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	28-Nov-2011			
Legal Land Location	NW SEC 36 TWP 7 RGE 4 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-114:25:30, 49:36:22				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	15.3 / -45 deg. (LHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	6,840 / 2010 (A)				Dept. Review Date	10-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:	MS300						----> 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	80 km/hr								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	North				Municipal				
Others	SW, NE - street lights				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	80 km/hr zone on curve.				
Vertical Alignment			8	8					
Roadway Width (m)	15.300								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Missing 1 transition bolt and 4 splice bolts at NE. Missing 2 splice bolts at SE. Improper splice at NW. Not thriebeam				
Guardrail			4	4					
Length (m)	34.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CV, 3 Spans, Lengths(m): 21-25-21, A-Ident Number:)					
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			4	4	Chipcoat & Epoxy on HD concrete
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)			Chipcoat failed- approx 20%		
(Thickness(mm) : 50)			Epoxy failed @ center & West span 2m2		
Deck Top			X	N	
Deck Rideability			7	7	
Deck Joints			7	7	At Abuts.
Temperature (deg. C)		3			
(Expansion Type : FINGER PLATES)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
110	West				
125	East				
Deck Drainage			4	5	Leakage @ abut shear blocks
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Vertical cracks at curb ext at posts.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	Corrosion @ base plates
(Type : STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type :)					
Sidewalk			7	7	Under east span.
Girders			X	X	
Diaphragms/Cross Frame			X	X	
Bearings			7	7	
Temperature (deg. C)		3			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)					
(Fixed Type :)					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside			7	7	Minor corrosion stains.
Stains (Percent Area)		1			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CV, 3 Spans, Lengths(m): 21-25-21, A-Ident Number:)				
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		7	7	
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		4	4	Minor staining and peeling
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-SOLID)				Integral pier to slab
Bearing Seats/Caps		X	X	
(Type : CONCRETE)				
Pier Shaft/Piles		8	7	
Nose Plate		8	7	
Paint/Coating		5	5	Galvanized nose plate
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	6	
Debris (Y/N)	Yes			@ East pier
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Curve U/S.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)	3.5			No visible HWM. Minor drift
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2012	Patch spalled Epoxy areas - chipcoat					
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
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) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	68.0/67.9	Est. Repl. Yr	2037	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	16-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							