

Bridge Inspection									
Bridge File Number	00395 -1 Bridge				Form Type	CON			
Year Built/Year Supstr	1955/1955				Lot No.	2			
Bridge or Town Name	FRANK				Inspector Name	Garry Roberts			
Located Over	CROWSNEST RIVER, 2.12.37, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	3:02 C1 22.484				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	28-Nov-2011			
Legal Land Location	NE SEC 36 TWP 7 RGE 4 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-114:24:41, 49:36:16				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	12 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	6,840 / 2010 (A)				Dept. Review Date	10-Jan-2012			
Road Classification	RAU-211.8-110				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:	MS230						----> 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)	Yes								
Remarks	only @ NE & SW								
Other Sign Types	River I.D								
Utilities (Located at)									
Utility Attachments									
Telephone	Conduit along South side and at North r/w				Gas	10 m North			
Power	2 wire - 20 m North of c.l &				Municipal				
Others	light std's.				Problem (Y/N)	Yes			
Remarks	Cable exposed along West curb								
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	60 km/hr on a curve, no passing. Pedestrian crossing u/s BF #79438.				
Vertical Alignment			8	8					
Roadway Width (m)	13.200								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				Missing post at NW. Missing 8 splice bolts at SW.				
Guardrail			3	3	Not thriebeam.				
Length (m)	11.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			4	4	Approach slab undermining @ SE				
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CT, 3 Spans, Lengths(m): 6.4-22.9-6.4, A-Ident Number:)						
Special Features						
Special Feature		7	7			
(SType : EXT SHEAR STIRRUP)						
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 on epoxy on concrete Epoxy and chipcoat overlay is failed approx 20%.		
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Deck Top		N	N			
Deck Rideability		7	7			
Deck Joints		N	N	Paved over		
Temperature (deg. C)		0				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage		6	6			
Drains Clogged (Y/N)		No				
Curbs/Median		6	6	Snowplow abrasions. Light scaling.		
(Curb Type : Standard)						
Scaling (Percent Area)		1				
Bridge Rail		7	7	Corrosion @ base plates & isolated areas of bridgerail		
(Type : BRIDGE TUBE)						
Bridge Rail Posts		7	7			
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating		4	4			
(Type :)						
Sidewalk		X	X			
Girders		4	4	Several ctr span gird have narrow to medium width shear & Flexural cracks by piers. Heavy scaling and surface spalls at SE corner.		
Diaphragms/Cross Frame		6	6			
Bearings		X	X	Bridge is supported by H-piles cast into superstructure or a cross member bolted to the H-pile to support bottom of girders.		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Coating Adequate (Y/N)						
Functioning (Y/N)						
Deck Underside		6	6	Deck exterior underside has crack & leaching		
Stains (Percent Area)		2				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CT, 3 Spans, Lengths(m): 6.4-22.9-6.4, A-Ident Number:)				
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		6	6	
Backwalls/Breastwalls		X	X	
Wingwalls		X	X	
Piles		6	6	H-piles
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		5	5	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE;STEEL)				
Pier Shaft/Piles		7	7	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		8	7	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Curves u/s. RAILWAY BRIDGE 30 m D/S
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)	2.3			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	

Structure Usage				
		Last	Now	Explanation of Condition
(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 1 T.T. guardrail post					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	20m2 chipcoat repair.					
SEAL DECK							
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	2012	Fill in undermined area @ SE approach slab					
OTHER ACTION	2012	Clean and patch SE girder (1m2)					
OTHER ACTION	2012	Ditch in cable at West abut (telus line)					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	52.8/52.7	Est. Repl. Yr	2025	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	18-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							