

Bridge Inspection									
Bridge File Number	01810 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1955/1955				Lot No.	4			
Bridge or Town Name	FRANK				Inspector Name	Garry Roberts			
Located Over	GOLD CREEK, 2.12.37.11, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	3:02 C1 23.415				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	29-Nov-2011			
Legal Land Location	SW SEC 31 TWP 7 RGE 3 W5M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-114:24:08, 49:35:54				Data Entry Date	05-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA26				Review Date	08-Dec-2011			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	8,470 / 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 66 GIRDER	Semi	CS2 88 GIRDER	Train	CS3 116 GIRDER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> 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 required								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	curve								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	SOUTH SIDE - MANHOLE				Gas				
Power	in conduit under north side - 3 conduits				Municipal		Manhole @ NE & SE		
Others	Light poles - north side				Problem (Y/N)		No		
Remarks	Fibre Optics @ S								

Approach Road										
		Last	Now	Explanation of Condition						
Horizontal Alignment		7	7	60 km/hr zone.						
Vertical Alignment		8	8							
Roadway Width (m)	14.000									
Approach Bump		6	6							
Guardrail (Y/N)		Yes		Creased but funtional Not thriebeam						
Guardrail		5	5							
Length (m)	8.000									
Current Standard (Y/N)		No								
Termination Type		FLARE END								
Drainage		6	6							
Approach Road General Rating		7	7							

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 1 Spans, Lengths(m): 18.3, A-Ident Number: A0210-01)						
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			8	7	Est based on 150-200mm curb height With steel fibers	
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			7	7		
Temperature (deg. C)		3				
(Expansion Type :)						
(Fixed Type : BUFFER ANGLES)						
Gap Size (mm)		Gap Location				
Deck Drainage			6	6		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6		
(Curb Type : Standard)						
Scaling (Percent Area)		1				
Bridge Rail			7	7	TWO LAYERS 30% post A/B nut not fully engaged	
(Type : FLEX BEAM)						
Bridge Rail Posts		4	4	Silver paint on posts-25% surface corrosion		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating		4	4			
(Type :)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate		X	X	Minor sag visible - 20 mm at south fascia girder.		
Flange		6	6			
Web		6	6			
Stiffeners		X	X			
Splice		X	X			
Weld		X	X			
Diaphragms/Cross Frame			6	6	Concrete - some hairline vertical	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 18.3, A-Ident Number: A0210-01)				
Paint Condition		4	4	Worst areas @ ends re-painted Corrosion @ bot flanges @ exteriors.
(Colour Description : GREEN)				
(Colour Code : 14090)				
Touchup Required (Y/N)	No			
Bearings		6	6	Brgs slotted @ both ends
Temperature (deg. C)	3			
(Expansion Type : SLIDING PLATE;NEOPRENE STRIP BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Some hairline longit cracks. Efflorescence under deck exterior and curbs. Has been mostly blast cleaned Wide crk @ deck ext
Stains (Percent Area)	2			
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		6	6	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
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				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	1.0			No visible HWM Minor drift
Drift (Y/N)	Yes			
Slope Protection		7	7	2m rock @ northeast.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	7	
(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) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	72.9/72.9	Est. Repl. Yr	2030	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	29-Aug-2013		Previous Inspection Date	18-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							