

Bridge Inspection													
Bridge File Number	79076 -1 Bridge					Form Type	SG						
Year Built/Year Supstr	2004/2004					Lot No.	2						
Bridge or Town Name	INNISFAIL					Inspector Name	Owen Salava						
Located Over	2:22 L1 24.505;2:22 R1 24.493;RAMP 2218-2 C					Inspector Class	BR CLS A						
Located On	54:08 C1 31.853					Assistant Name							
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date	13-Mar-2013						
Legal Land Location	SE SEC 17 TWP 35 RGE 28 W4M					Data Entry By	Marcia Chavez						
Longitude, Latitude	-113:57:46, 52:00:09					Data Entry Date	27-Mar-2013						
Road Authority	Alberta Transportation (AIT)					Reviewer Name	John O'Brien						
Contract Main. Area	CMA19					Review Date	17-Mar-2013						
Clear Roadway/Skew	11.8 / -18 deg. (LHF)					Dept. Reviewer Name	Chris Black						
AADT/Year	3,050 / 2011 (A)					Dept. Review Date	28-Mar-2013						
Road Classification	RCU-210-110					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:	CL800										----> Primary Span		
Posting Information													
Required Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N)		Yes											
Posted:	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	
Remarks	Also posted on Nbd exit ramp lane.												
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)	No												
Remarks													
Other Sign Types													
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power						Municipal							
Others	Street lights to West at Sbd ramp intersection.					Problem (Y/N)	No						
Remarks													
Approach Road													
			Last	Now	Explanation of Condition								
Horizontal Alignment			7	7	Connects to Rge Rd 284 and Hwy 54. On/off ramps. On Sbd only; single off ramp under East span.								
Vertical Alignment			7	7									
Roadway Width (m)			16.000										
Approach Bump			7	7									
Guardrail (Y/N)			Yes										
Guardrail			4	6									
Length (m)			50.000										
Current Standard (Y/N)			Yes										
Termination Type			Turned down ends.										
Drainage			7	7									
Approach Road General Rating			7	7									

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 3 Spans, Lengths(m): 35-30-29, A-Ident Number: A1468-01)						
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	5.0	0.0	0.0	0.0		
Wearing Surface			8	7	Longit. cracking with transverse cracks.	
(Material Type : MIX TYPE 1 ACP)						
(Thickness(mm) : 90)						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			8	8	All snowplow guards still in place.	
Temperature (deg. C)		-2				
(Expansion Type : OTHER)						
(Fixed Type : OTHER)						
Gap Size (mm)		Gap Location				
74			W. abut			
75			E. abut			
Deck Drainage			9	4	P2 drain directs water toward NB off-ramp.	
Drains Clogged (Y/N)		No				
Curbs/Median			7	7	Efflorescence at all control joints midway between post anchors, staining bypassing drip groove to bottom of deck on both sides, ext fascia.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			8	8	Low profile double HSS tubing; measured 800mm top of rail to deck. 200 X 165 section.	
(Type : GALVANIZED STEEL TUBE BEAM TYPE 1)						
Bridge Rail Posts		8	8			
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating		8	8			
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X		
Flange			9	9		
Web			9	9		
Stiffeners			9	9		
Splice			9	9		
Weld			9	9		
Diaphragms/Cross Frame			8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, Lengths(m): 35-30-29, A-Ident Number: A1468-01)				
Paint Condition		7	7	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		9	9	A1&2 P1&2
Temperature (deg. C)	-2			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	9	See comment at curbs.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	9	W seat is wet, probably from snow melt.
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		8	8	
Abutment Stability		9	9	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				Four concrete columns/pier with architectural features.
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				Bearing piles below ground.
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	7	
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		9	9	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		9	9	
Traffic Safety Features		7	7	
Type	Guardrail			
Slope Protection		7	7	Gaps along both abutments, 25mm wide on West abutment; 70mm wide x 700mm deep at East abutment.
(Type : CONCRETE; CONCRETE)				
Bank Stability		8	8	
Drainage		N	4	Drains at P2 directs water onto NB off ramp and water then flows across road.
Grade Separation General Rating		4	4	

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	2013	Seal ACP cracks.					
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	2013	Fill gaps at top of slope protection tar/exp. foam.					
OTHER ACTION	2013	Redirect P2 deck drains away from road.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	62.5/61.4	Est. Repl. Yr	2074	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments			
Maintenance Reviewed By				Date			Estimated Total 0
Proposed Long-Term Strategy	Will serve as true GS once Hwy 54 by-pass to west of Innisfail is constructed...PC						
On 3-Year Program (Y/N)	Y						
Proposed Action	Temporary acting as GS to eliminate Hwy 2 level crossing of Cottonwood Road traffic to south of Innisfail...PC						
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	13-Dec-2014		Previous Inspection Date		11-Aug-2011		
Inspection Cycle (Default) (months)	21						
Comment							