

Bridge Inspection							
Bridge File Number	09033 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1970/1970			Lot No.	1		
Bridge or Town Name	INNISFAIL			Inspector Name	Jason Saly		
Located Over	RAY CREEK, 3.50.2.24, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	805:02 C1 32.828			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	14-Feb-2012		
Legal Land Location	SW SEC 13 TWP 35 RGE 26 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-113:35:59, 52:00:04			Data Entry Date	09-Mar-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA19			Review Date	29-Feb-2012		
Clear Roadway/Skew	9.1 / 0 deg.			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	530 / 2010 (A)			Dept. Review Date	21-Mar-2012		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	6						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 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	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Posted:	Lane	SB	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	Not required.							
Other Sign Types								

Utilities (Located at)			
Utility Attachments			
Telephone	West of c/l.		Gas
Power	3 wires 18m East of c/l.		Municipal
Others	Meter station East side of bridge.		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	7	Farm entrance 200m North of bridge. Hill North, limited sight distance.
Vertical Alignment		6	6	
Roadway Width (m)	8.000			Slight bump @ both ends, approach settled.
Approach Bump		4	5	
Guardrail (Y/N)	Yes			60.8m - SE & NW; 30.4m - SW; 26.6m - NE.
Guardrail		9	7	
Length (m)	26.600			
Current Standard (Y/N)	No			
Termination Type	Turn down ends			
Drainage		7	7	
Approach Road General Rating		4	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 6.1, 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	Deteriorated ACP along W gutter. 5 lines at girder edges.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles covered. Crack in asphalt where joints are. Bump at North abutment.
Bump (Y/N)		Yes			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Minor plow scrapes.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	8	Double layer with timber blocking.
(Type : FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	Galvanized posts painted over, paint peeling.
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	1	0	
Girders			4	2	G8 medium width shear crack with long crack in one leg within AZ. Shear crack medium .6mm 4th girder from D/S end North side of bridge. 5% spalling all at drift pins - pins showing. Unknown, covered by ACP.
Last Complete Inspection Date		14-Feb-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	2	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1600)						
(Total Number of Caps/Corbels : 8:8)				356x305 cap & 150x300 spacer cap each abut.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				4	4	
(Type : TREATED TIMBER)						
(Depth(mm) : 356)						
(Width(mm) : 305)						
Backwalls/Breastwalls				5	5	
Greatest Height (m)		2.00				
Wingwalls				4	4	
240x70mm. Some dirt showing SE wingwall. Piles pushing 70mm.						
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Piles				4	4	
Paint/Coating				X	X	
Abutment Stability				4	4	
Piles moving from under caps.						
Scour/Erosion				N	N	
Ice covered.						
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				X	X	
(Type :)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles :)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				7	7	
150 x 200 mm struts.						
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Poor U/S end. No defined channel.
(D/S Direction : E)				
Alignment		4	4	
Bank Stability		4	5	
HWM (m below Top of Curb)				HWM not visible. Old piles in stream.
Drift (Y/N)	Yes			
Slope Protection (Type :)		N	N	Under water.
Guidebank/Spurs		X	X	
Adequacy of Opening		4	5	Reduced due to struts.
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	5	

Maintenance Recommendations										
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #				
REPAIR/REPLACE BRIDGE RAIL										
SEAL CURBS										
PATCH DECK	2012	Expose connector lift pockets, place non-shrink grout if problems apparent, and restore connectors to std.								
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	2012	Patch ACP potholes.								
OTHER ACTION	2012	Band split pile @ NE.								
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	44.4/33.3	Sufficiency Rating (Last/Now) (%)	53.5/56.3	Est. Repl. Yr	2020	Maint. Req. (Y/N)	Yes			
Special Comments for Next Inspection	Shear crack in G8 remains unchanged from 2005, no action required.		Department Comments							
Maintenance Reviewed By			Date			Estimated Total	0			
Proposed Long-Term Strategy	2003.08.18 Assess in 2010. Bridge should be good until 2010.									
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Dave Lam		Previous Assistant's Name							
Next Inspection Date	14-May-2015		Previous Inspection Date	17-Sep-2005						
Inspection Cycle (Default) (months)	39									
Comment										

Maintenance Recommendations

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Expose connector lift pockets, place non-shrink grout if problems apparent, and restore connectors to std.	Programmed	2013			
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Patch ACP potholes.	Operations	2012			
OTHER ACTION	2012	Band split pile @ NE.	Programmed	2013			
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/33.3	Sufficiency Rating (Last/Now) (%)	53.5/56.3	Est. Repl. Yr	2020	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Shear crack in G8 remains unchanged from 2005, no action required.		Department Comments	DA			
Maintenance Reviewed By	Darron Ahlstedt		Date	05-Nov-2012	Estimated Total	0	
Proposed Long-Term Strategy	2003.08.18 Assess in 2010. Bridge should be good until 2010.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Dave Lam		Previous Assistant's Name				
Next Inspection Date	14-May-2015		Previous Inspection Date	17-Sep-2005			
Inspection Cycle (Default) (months)	39						

Comment	
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