

Bridge Inspection							
Bridge File Number	77685 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1956/1956			Lot No.	1		
Bridge or Town Name	INNISFAIL			Inspector Name	Owen Salava		
Located Over	TRIBUTARY TO KNEEHILLS CREEK, 3.46.29, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	587:04 C1 7.355			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	25-Oct-2011		
Legal Land Location	SE SEC 13 TWP 34 RGE 27 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-113:42:05, 51:54:39			Data Entry Date	30-Nov-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA19			Review Date	14-Nov-2011		
Clear Roadway/Skew	6.4 /			Dept. Reviewer Name	Chris Black		
AADT/Year	90 / 2010 (A)			Dept. Review Date	25-Jan-2012		
Road Classification	RLU-208G-90			Follow-Up By			
Detour Length (km)	6						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 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	Timber hazard markers not to standard height.
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone		Gas	
Power	2 wire North side.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	700m West of intersection. Uphill grade to West - adequate sight distance. Bridge is approx 0.5m higher than approaches.
Vertical Alignment		6	6	
Roadway Width (m)	6.500			Required.
Approach Bump		5	5	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type	None.			
Drainage		6	6	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 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 (%)	Gravel covered.
Last	80	0	0	0	
Now	40.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)					
Deck Top			3	4	Deck top chipped & spalled at edges of girders - 40mm gap between girders - photo. Ends spalled, drift pin exposed at A2G6 (photo).
Deck Rideability			6	6	
Deck Joints			X	X	
Bump (Y/N)					
Deck Drainage			6	6	
Drains Clogged (Y/N)			No		
Curbs/Median			N	6	
(Curb Type : Standard)					
Scaling (Percent Area)			3		
Bridge Rail			9	7	Single layer.
(Type : GALVANIZED STEEL FLEX BEAM)					Mounted on flat.
Bridge Rail Posts			7	7	
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			8	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	9	0	0	0	
Now	0	0	0	0	
Girders			N	5	
Last Complete Inspection Date		25-Oct-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1400)						
(Total Number of Caps/Corbels : 1:1)				NW cap end split, sign of rot - photo.		
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) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls			N	4		
Greatest Height (m)		2.21				
Wingwalls			3	3		
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	4	0	0	0		
Now	0	0	0	0		
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability			N	N		
Strutted, infiltration of backfill at base; unable to verify E backwall due to water.						
Scour/Erosion			N	5		
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
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						
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing			3	3		
150x200mm N end strut rotten through. 3rd from N end cracked.						
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		3	3	GR from unknown date since stability may control.
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Flow directed at SE wingwall.
(D/S Direction : N)				
Alignment		4	4	
Bank Stability		N	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		N	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		4	4	Appears to constrict channel.
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations										
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #				
REPAIR/REPLACE BRIDGE RAIL										
SEAL CURBS										
PATCH DECK	2015	Patch girder edges.								
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	2012	Replace N strut.								
OTHER ACTION	2012	Complete assessment - if not done & note on form.								
OTHER ACTION	2012	Backfill SW wing - 10m3 pitrun.								
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	56.6/56.6	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes			
Special Comments for Next Inspection	Check bridge annually. May want to replace bridge with culvert. Bridge to be replaced year 2001 with secondary HWY program. (Not done.)		Department Comments							
Maintenance Reviewed By			Date			Estimated Total	0			
Proposed Long-Term Strategy	2007.10.10 On Spot program for 2012.									
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava		Previous Assistant's Name							
Next Inspection Date	25-Jan-2015		Previous Inspection Date	07-Dec-2010						
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	2015	Patch girder edges.	Defer until replacement			
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	2012	Replace N strut.	Defer until replacement			
OTHER ACTION	2012	Complete assessment - if not done & note on form.	Defer until replacement			
OTHER ACTION	2012	Backfill SW wing - 10m3 pitrun.	Defer until replacement			
OTHER ACTION						
OTHER ACTION						

Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	56.6/56.6	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes
---	------------------	--	------------------	---------------	------	-------------------	-----

Special Comments for Next Inspection	Check bridge annually. May want to replace bridge with culvert. Bridge to be replaced year 2001 with secondary HWY program. (Not done.)	Department Comments	Scheduled for replacement in PMA for 2014. DA
--------------------------------------	---	---------------------	---

Maintenance Reviewed By	Darron Ahlstedt	Date	30-Oct-2012	Estimated Total	0
Proposed Long-Term Strategy	2007.10.10 On Spot program for 2012.				
On 3-Year Program (Y/N)					
Proposed Action					
Previous Inspector's Name	Owen Salava	Previous Assistant's Name			
Next Inspection Date	25-Jan-2015	Previous Inspection Date	07-Dec-2010		
Inspection Cycle (Default) (months)	39				

Comment	
---------	--