

Bridge Inspection									
Bridge File Number	00665 -1 Bridge				Form Type	TT			
Year Built/Year Supstr	1967/1967				Lot No.	4			
Bridge or Town Name	MORINVILLE				Inspector Name	Kris Bosters			
Located Over	LITTLE EGG CREEK, 6.65.5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:36 C1 18.397				Assistant Name	Brian Cote			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	24-Apr-2013			
Legal Land Location	NW SEC 27 TWP 56 RGE 25 W4M				Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-113:38:42, 53:52:32				Data Entry Date	03-May-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA09				Review Date	29-Apr-2013			
Clear Roadway/Skew	12.8 /				Dept. Reviewer Name				
AADT/Year	6,960 / 2012 (A)				Dept. Review Date				
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	22								
Allowable Load (t):	Single		Semi		Train				----> On Critical Spans ---->Critical Member
Design Loading:								----> 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									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Designated ski-doo crossing 30m East. Field entrance to NE.				
Vertical Alignment			9	9					
Roadway Width (m)	11.500								
Approach Bump			9	9					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			4	4	NE ditch erosion -10mx1mx1m-- not affecting structure. Minor gullies around East wingwall ditch.				
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : TP, 2 Spans, Lengths(m): 1.8-1.8, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now						
Wearing Surface/Deck Top			7	7		
(Material Type : ACP)						
(Plank Thickness(mm) : 50)						
(Plank Width(mm) :)						
Deck Rideability			7	7		
Wheel Guards			X	X	Timber headwall at both ends are slightly rotated but still functional.	
(Curb Type :)						
(Type :)						
(Thickness(mm) :)						
(Width(mm) :)						
Bridge Rail			X	X		
(Type :)						
Bridge Rail Posts			X	X		
(Type :)						
Bridge Rail/Posts Coating			X	X		
(Type :)						
(No. of Stringers : Null;Null)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last					(Could only access part of South cell due to deep mud/water.Bowed but not broken.-05-Oct-2009) Water 1.0m deep-viewed from ends, difficult to view anything. Water 0.3m from roof	
Now						
Stringers			N	N		
(Type :)						
(Width(mm) :)						
(Depth(mm) :)						
(Spacing(mm) :)						
Sub Deck/Deck Underside			N	N	(Roof is bowed but not broken. -05-Oct-2009)	
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 100)						
(Plank Width(mm) : 75)						
Defects (Percent Area)		0				
Span Alignment Problems						
Vertical (Y/N)		Yes			(Pier has settled about 50 mm. -05-Oct-2009)	
Horizontal (Y/N)		No				
Superstructure General Rating			6	6	GR carried fwd.	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)				(Timber wall of 150 x 150. Cribbed walls not visible due to sheeting. Jul/2011)		
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1	0	0	0		
Now	100	0	0	0		
Bearing Seats/Caps/Corbels				N	N	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 150)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		1.50				
Wingwalls				N	N	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	100	0	0	0		
Piles				X	X	
Paint/Coating				X	X	
Abutment Stability				5	N	
Scour/Erosion				N	N	
Piers/Bents						
(Type : PIER-COLUMN)				(S/B TT 150 x 150 timber cribbed wall. - Jul/2011)		
(Total Number of Caps/Corbels :)				(0.8m deck west to SB - South cell. 1.0m deck west to SB - North cell. -05-Oct-2009)		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1					
Now	100	0	0	0		
Bearing Seats/Caps/Corbels				N	N	
(Type : TREATED TIMBER)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1					
Now	100	0	0	0		
Pier Shaft/Piles				N	N	
Greatest Height (m)						
Bracing/Struts/Sheathing				N	N	
Nose Plate				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		N	N	(Pier has settled approx 50 mm.-05-Oct-2009)
Scour		N	N	
Debris (Y/N)	No			
Substructure General Rating		4	4	GR carried fwd from Oct 2009
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Minor bends U/S and D/S.
(D/S Direction : E)				
Alignment		7	7	Heavy silt accumulation in both cells. Distinct channel carved in both ends with silt buildup - no problem.
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
PATCH DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	50.4/50.4	Est. Repl. Yr	2017	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	Melanie Johnson		Previous Assistant's Name				
Next Inspection Date	24-Jan-2015		Previous Inspection Date	05-Jul-2011			
Inspection Cycle (Default) (months)	21						
Comment							