

Bridge Inspection							
Bridge File Number	76371 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1966/1966			Lot No.	2		
Bridge or Town Name	MORINVILLE			Inspector Name	Kris Bosters		
Located Over	TRIBUTARY TO LITTLE EGG CREEK, 6.65.5.2, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	LOCAL ROAD			Assistant Name	Brian Cote		
Water Body Cl./Year				Assistant Class	BR CLS B		
Navigabil. Cl./Year				Inspection Date	24-Apr-2013		
Legal Land Location	SE SEC 9 TWP 56 RGE 25 W4M			Data Entry By	Lisa Fairhurst		
Longitude, Latitude	-113:39:03, 53:49:30			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	7.3 / 30 deg. (RHF)			Dept. Reviewer Name			
AADT/Year	1 / 2013 (E)			Dept. Review Date			
Road Classification				Follow-Up By			
Detour Length (km)	999						
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	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	Not required, land access only.						
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	West r/w.		Gas
Power			Municipal
Others	Pipelines about 30 m north.		Problem (Y/N) No
Remarks	File tag NE cap.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Bridge provides crossing over West ditch of Hwy 2 to access field. Intersection with Hwy 2 about 35m East.
Vertical Alignment		7	7	
				Settlement upto 300 mm at West end of bridge. Could cause damage to vehicles - photo.
Roadway Width (m)	5.000			West end settlement
Approach Bump		3	3	
Guardrail (Y/N)	No			No guardrail
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type				
Drainage		4	6	

Approach Road				
		Last	Now	Explanation of Condition
Approach Road General Rating		3	3	
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				
Now	0.0	0.0	0.0	0.0
Wearing Surface		X	X	Top of girder.
(Material Type :)				
(Thickness(mm) :)				
Lateral Connection Problem (Y/N)	No			
Deck Top		7	7	
Deck Rideability		4	4	Small vehicles cannot cross West end.
Deck Joints		5	5	Buffer angles West end.
Bump (Y/N)	Yes			
Deck Drainage		4	4	1 drain hole clogged SE.
Drains Clogged (Y/N)	Yes			
Curbs/Median		6	6	
(Curb Type : Standard)				
Scaling (Percent Area)	1			
Bridge Rail		3	3	Rotten - see photo. South rail rotten, North splintered.
(Type : BRIDGE SOLID BEAM (EX. TIMBER RAILS))				
Bridge Rail Posts		7	7	Paint failed on rail, rust spots on posts.
(Type : POST STEEL;POST STEEL)				
Bridge Rail/Posts Coating		5	4	
(Type : PAINT)				
Sidewalk		X	X	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
Last	100			
Now	9	0	0	0
Girders		N	N	Deep water.
Last Complete Inspection Date		10-Sep-2003		
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						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)						
Superstructure General Rating		7	7	G.R. carried forward. Previously rated "7" on 10/Sept/2003.		
Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
Under water.						
(Total Number of Caps/Corbels : 3:3)						
Difficult to view subcaps underwater.						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last				2		
Now	6	0	0	0		
Bearing Seats/Caps/Corbels				3	N	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls						
Greatest Height (m)		2.00		4	4	
West backwall about 1 m above streambed - photo. Approach fill spilling through allowing fill to erode away causing approach bump on west side.						
Wingwalls						
		X	X			
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	14	0	0	0		
Piles				N	N	
Paint/Coating						
		X	X			
Abutment Stability						
		5	N			
Scour/Erosion						
		N	N			

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		(Pile 3 in both abutments split. Viewed from ends but not very clear in pictures - May/2008)	
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				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 General Rating				3	3	GR carried forward from May 2008.	
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)				HWM not visible.			
Drift (Y/N)		No					
Slope Protection				4	4	Allow loss of fill from West abutment.	
(Type : NONE; NONE)							
Guidebank/Spurs				X	X		
Adequacy of Opening				7	7		
(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	2013	Replace bridgerail both sides.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS	2013	Replace caps and sub-caps, depending on coring results.					
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Clean clogged drain holes.					
OTHER ACTION	2013	Repair West backwall and add fill.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	48.8/57.0	Est. Repl. Yr	2020	Maint. Req. (Y/N)	Yes
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	Jacob Oresile		Previous Assistant's Name				
Next Inspection Date	24-Jan-2018		Previous Inspection Date	09-May-2008			
Inspection Cycle (Default) (months)	57						
Comment							