

Bridge Inspection							
Bridge File Number	72941 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1965/1965			Lot No.	2		
Bridge or Town Name	MORINVILLE			Inspector Name	Kris Bosters		
Located Over	TRIBUTARY TO STURGEON RIVER, 6.65.6, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	TRAIL-PED, ON 50000 FB			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 15 TWP 55 RGE 25 W4M			Data Entry By	Lisa Fairhurst		
Longitude, Latitude	-113:38:41, 53:45:23			Data Entry Date	02-May-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA09			Review Date	29-Apr-2013		
Clear Roadway/Skew	0.9 /			Dept. Reviewer Name			
AADT/Year				Dept. Review Date			
Road Classification				Follow-Up By			
Detour Length (km)	1						
Allowable Load (t):	Single	CS1 35 GIRDER	Semi	CS2 57 GIRDER	Train	CS3 82 GIRDER	----> 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	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.						
Other Sign Types							

Utilities (Located at)				
Utility Attachments				
Telephone	East r/w.		Gas	Parallels bridge 4 m south.
Power	2 line power east r/w.		Municipal	
Others	Fibre to East		Problem (Y/N)	No
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		9	9	This is a pedestrian bridge composed of 1 girder with handrails which crosses a drainage ditch. Intersection with Hwy 2 West.
Vertical Alignment		7	7	
				Guardrail parallels Hwy 2 on West end of bridge.
Roadway Width (m)	1.000			Brush growing in path opening
Approach Bump		7	7	
Guardrail (Y/N)	Yes			1 guardrail post damaged.
Guardrail		4	7	Not fleet
Length (m)	30.000			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		7	4	Drainage on West abutment causing scour
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 11.6, 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	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			7	7	
Deck Rideability			7	7	
Deck Joints			7	7	Buffer angles.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			X	X	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Paint peeling and scaling rust forming on 25%.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			6	6	Drift pin spall East side. Few vertical hairline cracks.
Last Complete Inspection Date		24-Apr-2014			
Cracking (Y/N)		No			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 1)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	

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)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				4	4	West backwall losing minor material.
Greatest Height (m)		1.30				
Wingwalls				7	X	
(Total Number of Bearing Piles : 2:2)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				4	4	A2P1 wide split with rot to centre. Suspect rot in remaining piles.
Paint/Coating				X	X	Splits in piling. All 4 piles.
Abutment Stability				7	7	
Scour/Erosion				4	4	
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) :)						

Substructure							
Bridge Component					Last	Now	Explanation of Condition
(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					4	4	

Structure Usage							
					Last	Now	Explanation of Condition
Channel							
(U/S Direction : N)							
(D/S Direction : S)							
Alignment					9	9	
Bank Stability					8	8	
HWM (m below Top of Curb)							HWM not visible.
Drift (Y/N)		No					
Slope Protection					7	4	Erosion of headslope
(Type : NONE; NATURAL)							
Guidebank/Spurs					X	X	
Adequacy of Opening					8	8	
(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 : NONE)							
Channel General Rating					7	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP	2013	Riprap on West end, approx 1m3.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Remove brush from walking path					
OTHER ACTION							
OTHER ACTION	2013	Band split piles. Install cobra rods to impede rot.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	/75.9	Est. Repl. Yr	2023	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							