

Bridge Inspection										
Bridge File Number	83076 -1 Bridge				Form Type	PT				
Year Built/Year Supstr	1986/1986				Lot No.	4				
Bridge or Town Name	VERMILION				Inspector Name	Owen Salava				
Located Over	VERMILION RIVER, 6.5, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	TRAIL-PED, ON 50000 FB				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	30-Jan-2012				
Legal Land Location	SW SEC 2 TWP 51 RGE 7 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-110:55:48, 53:21:59				Data Entry Date	07-Mar-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	UNDEFINED CMA				Review Date	23-Feb-2012				
Clear Roadway/Skew	1.8 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year					Dept. Review Date	09-Mar-2012				
Road Classification					Follow-Up By					
Detour Length (km)										
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	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										
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		5	5	TRAILS, "Lakeside Trail". Next to 83075.						
Vertical Alignment		5	5							
Roadway Width (m)	3.000									
Approach Bump		5	5							
Guardrail (Y/N)		No								
Guardrail		X	X							
Length (m)										
Current Standard (Y/N)		No								
Termination Type		None								
Drainage		5	5							
Approach Road General Rating		5	5							

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PT, 1 Spans, Lengths(m): 13.4, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
Last						
Now	100.0	0.0	0.0	0.0		
Wearing Surface/Deck Top				5	N	Single layer of deck; looks good when viewed from below.
(Material Type : UNTREATED TIMBER)						
(Plank Thickness(mm) : 75)						
(Plank Width(mm) : 300)						
Deck Rideability			5	6		
Deck Joints			X	X		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Curbs/Wheel Guards			X	X		
(Curb Type :)						
(Type :)						
(Thickness(mm) :)						
(Width(mm) :)						
Bridge Rail				X	DECK TO STREAMBED estimated 3.0m by AE personnel. Truss acts as rail.	
(Type :)						
Bridge Rail Posts/Blocking			X	X		
(Type :)						
Bridge Rail/Posts Coating			X	X		
(Type :)						
Sidewalk			X	X		

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : PT, 1 Spans, Lengths(m): 13.4, A-Ident Number:)							
Wide Load Damage (Y/N)	No			Separate truss in each direction; S truss is BF83076			
Top Chord		7	7	60mm x 60mm tubing.			
Batter Posts		7	7				
Diagonals		7	7				
Verticals		7	7				
Connections		7	7				
Floor Beams		7	7				
Bottom Chord		7	7				
Lateral Bracings		X	X				
(No. of Stringers : Null)							
Stringer Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Stringers		X	7	Deck planks span btwn floor beams; looks good from below, no sign of distress.			
(Type : TREATED TIMBER)							
(Width(mm) :)							
(Depth(mm) :)							
(Spacing(mm) :)							
Paint Condition		6	5	Some corrosion to flat surfaces.			
(Colour Description :)							
(Colour Code :)							
Touchup Required (Y/N)							
Bearings		X	X				
Temperature (deg. C)							
(Expansion Type :)							
(Fixed Type :)							
Functioning (Y/N)							
Sub Deck/Deck Underside		X	7				
(Material Type : UNTREATED TIMBER)							
(Plank Thickness(mm) : 75)							
(Plank Width(mm) : 300)							
Defects (Percent Area)	0						
Span Alignment Problems							
Vertical (Y/N)	No						
Horizontal (Y/N)	No						
Superstructure General Rating		5	7				
Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : N)							
(Extended Backwall Piles Spacing(mm) :)							

Substructure								
Bridge Component		Last	Now	Explanation of Condition				
(Total Number of Caps/Corbels : 0:1)				Bearing on concrete piles at W abut; mud sill on E abut.				
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now	1	0	0				0	
Bearing Seats/Caps/Corbels			5				N	
(Type : TREATED TIMBER)								
(Depth(mm) :)								
(Width(mm) :)								
Backwalls/Breastwalls			X				X	
Greatest Height (m)								
Wingwalls			X	X				
(Total Number of Bearing Piles : 2:0)								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now	0	0	0				0	
Piles			X				6	
Paint/Coating			4				4	
Abutment Stability			5				5	
Scour/Erosion			5				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 :)								
(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			5	5				

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		5	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	Riprap at SW corner & hslps.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
PATCH DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.0/66.7	Sufficiency Rating (Last/Now) (%)	52.5/80.5	Est. Repl. Yr	2030	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	Aime Theroux		Previous Assistant's Name				
Next Inspection Date	30-Oct-2016		Previous Inspection Date	18-Nov-2002			
Inspection Cycle (Default) (months)	57						
Comment							