

Bridge Inspection										
Bridge File Number	83073 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1986/1986				Lot No.	2				
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	NE SEC 31 TWP 50 RGE 6 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-110:52:04, 53:21:38				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	2.5 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year					Dept. Review Date	09-Mar-2012				
Road Classification	RLU-207G-60				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 - "East End Trail"				
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 : RB, 1 Spans, Lengths(m): 9.1, 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	90.0	0.0	0.0	0.0		
Wearing Surface				6	6	TIMBER SIZE 75mm x 200mm; single layer of deck planks.
(Material Type :)						
(Thickness(mm) :)						
Deck Top				6	X	
Deck Rideability				6	6	
Deck Joints				X	X	
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage				X	X	
Drains Clogged (Y/N)						
Curbs/Median				X	X	
(Curb Type : Standard)						
Scaling (Percent Area)						
Bridge Rail				7	DECK TO STREAMBED 3.3m.	
(Type : BRIDGE SOLID BEAM (EX. TIMBER RAILS))						
Bridge Rail Posts		X		7		
(Type : TREATED TIMBER;TREATED TIMBER)						
Bridge Rail/Posts Coating		X		X		
(Type :)						
Sidewalk				X	X	
Girder/Beam						
Cover Plate				X	75mm pipe cross braces x 150mm pipe 80 x 80 angles, pipe rated.	
Flange				6		
Web				6		
Stiffeners				X		
Splice				X		
Weld				X		
Diaphragms/Cross Frame				X	X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 9.1, A-Ident Number:)				
Paint Condition		X	4	Surface corrosion.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)				
Bearings		X	X	
Temperature (deg. C)				
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)				
Functioning (Y/N)	No			
Deck Underside		X	6	U/S of wear deck.
Stains (Percent Area)				
Span Alignment Problems				
Vertical (Y/N)	Yes			E abut reportedly heaves on regular basis.
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		3	6	Sit on mud sills.
(Type : TREATED TIMBER)				
Backwalls/Breastwalls		X	X	
Wingwalls		X	X	
Piles		4	N	
Paint/Coating		X	X	
Abutment Stability		4	4	E abut heaves.
Scour/Erosion		5	4	Scour at E abut.
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	4	Uncoated pipes have surface corrosion.
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			
Substructure General Rating		3	4	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	4	Vertical banks; bed erosion.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		5	4	Active erosion on both sides.
(Type : NONE; NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	5	Draws much of Vermilion's storm drains.
(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						
GALVANIZE/PAINT BRIDGE RAIL						
RETROFIT BRIDGE RAIL						
SEAL CURBS						
PATCH DECK						
SEAL DECK						
OVERLAY DECK						
REPAIR/REPLACE DECK JOINTS						
RESET/ PAINT BEARINGS						
REPAINT SUPERSTRUCTURE						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
REPAIR ABUTMENT SCOUR/EROSION	2012	Reconstruct E hslp.				
PLACE ADDITIONAL RIP RAP	2012	10m3 CL2 riprap.				
REMOVE DRIFT ACCUMULATION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						

Structural Condition Rating (Last/Now) (%)	50.0/55.6	Sufficiency Rating (Last/Now) (%)	52.5/75.9	Est. Repl. Yr	2030	Maint. Req. (Y/N)	Yes
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Special Comments for Next Inspection	Department Comments
Maintenance Reviewed By	Date

Proposed Long-Term Strategy	Estimated Total	0
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
Inspection Cycle (Default) (months)	57	18-Nov-2002
Comment		

Maintenance Recommendations

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
GALVANIZE/PAINT BRIDGE RAIL						
RETROFIT BRIDGE RAIL						
SEAL CURBS						
PATCH DECK						
SEAL DECK						
OVERLAY DECK						
REPAIR/REPLACE DECK JOINTS						
RESET/ PAINT BEARINGS						
REPAINT SUPERSTRUCTURE						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
REPAIR ABUTMENT SCOUR/EROSION	2012	Reconstruct E hslp.	Programmed	2013		
PLACE ADDITIONAL RIP RAP	2012	10m3 CL2 riprap.	Programmed	2013		
REMOVE DRIFT ACCUMULATION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
Structural Condition Rating (Last/Now) (%)	50.0/55.6	Sufficiency Rating (Last/Now) (%)	52.5/75.9	Est. Repl. Yr	2030	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection			Department Comments	DA		
Maintenance Reviewed By	Darron Ahlstedt		Date	05-Nov-2012	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			