

Bridge Inspection									
Bridge File Number	71831 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1975/1975				Lot No.	2			
Bridge or Town Name	VALLEYVIEW				Inspector Name	Russel Vanderschaaf			
Located Over	STURGEON CREEK, 8.10.58.7.23, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	02-Mar-2010			
Legal Land Location	SE SEC 29 TWP 70 RGE 23 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:27:53, 55:05:23				Data Entry Date	26-Mar-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA03				Review Date	24-Mar-2010			
Clear Roadway/Skew	7.6 / -15 deg. (LHF)				Dept. Reviewer Name	Steve Pasquan			
AADT/Year	205 / 2005 (E)				Dept. Review Date	19-Aug-2010			
Road Classification	RLU-208G-90				Follow-Up By				
Detour Length (km)	13								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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									

Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	West side r/w				Gas				
Power	1 o/h wire East r/w				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road											
			Last	Now	Explanation of Condition						
Horizontal Alignment			7	7	Approach 75m West of bridge.						
Vertical Alignment			7	7							
Roadway Width (m)	10.300		Insufficient # of posts and length.								
Approach Bump										6	6
Guardrail (Y/N)	Yes										
Guardrail										5	5
Length (m)	7.600										
Current Standard (Y/N)	No										
Termination Type	TURNDOWN										
Drainage			6	6							
Approach Road General Rating			7	7							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 3 Spans, Lengths(m): 7.6-9.1-7.6, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Graavel covered.
Last					
Now	50.0	0.0	0.0	0.0	
Wearing Surface				7	7
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top				5	5
Deck Rideability				7	7
Deck Joints				7	7
Bump (Y/N)		No			
Deck Drainage				5	6
Drains Clogged (Y/N)		No			
Curbs/Median				6	6
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail				7	4
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts				7	7
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating				7	7
(Type : GALVANIZED)					
Sidewalk				X	X
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders				6	6
Last Complete Inspection Date		02-Mar-2010			Drift pin spalls at all girder bearing areas at piers.
Cracking (Y/N)		No			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 21)					
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) : 1500)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : STEEL)						
(Depth(mm) : 360)						
(Width(mm) : 380)						
Backwalls/Breastwalls				6	4	40mm gap on South backwall-photo
Greatest Height (m)		1.11				
Wingwalls				7	4	SW tim top damaged.-photo
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				7	7	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				6	5	On West headslope.
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : STEEL)						
(Depth(mm) : 360)						
(Width(mm) : 380)						
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				7	7	
Greatest Height (m)		2.30				
Bracing/Struts/Sheathing				5	5	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		N	N	Ice covered.
Debris (Y/N)	No			
Substructure General Rating		7	7	
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)				No HWM visible
Drift (Y/N)	Yes			
Slope Protection		6	6	
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Tighten loose bolts on East bridgerail.					
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							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Repair SW tin top					
OTHER ACTION	2010	Repair S backwall					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	74.0/64.2	Est. Repl. Yr	2035	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	Brian Pientsch		Previous Assistant's Name	Jim Amirault			
Next Inspection Date	02-Dec-2014		Previous Inspection Date	07-Jun-2005			
Inspection Cycle (Default) (months)	57						
Comment							