

Bridge Inspection									
Bridge File Number	70722 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1955/1955				Lot No.	2			
Bridge or Town Name	BLUFFTON				Inspector Name	Owen Salava			
Located Over	TRIBUTARY TO WILSON CREEK, 3.88.23.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	761:08 C1 8.128				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	06-Jan-2012			
Legal Land Location	NW SEC 16 TWP 43 RGE 4 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-114:31:60, 52:42:38				Data Entry Date	14-Feb-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Jason Saly			
Contract Main. Area	CMA18				Review Date	28-Jan-2012			
Clear Roadway/Skew	8.2 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	160 / 2010 (A)				Dept. Review Date	23-Feb-2012			
Road Classification	RLU-208G-90				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 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	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	Too high.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	Along West r/w boundary.				Gas				
Power	3 wires 16 m East of centerline.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	Crest to the North, good sight distance.				
Vertical Alignment			7	7					
Roadway Width (m)	8.000								
Approach Bump			8	8					
Guardrail (Y/N)	Yes				(NW end section damaged, but functioning - photo. 15Sep2005).				
Guardrail			5	5					
Length (m)	12.000				Insufficient length for Hwy standards.				
Current Standard (Y/N)	No				Ends snow covered.				
Termination Type	TURNED DOWN								
Drainage			8	8					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 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 (%)	Snow/gravel covered.
Last	0	0	0	0	
Now	40.0	0.0	0.0	0.0	
Wearing Surface			X	X	No connector pockets.
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)					
Deck Top			4	4	Typical edge spall - 25mm gap - photo.
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles covered by gravel.
Bump (Y/N)		No			
Deck Drainage			5	5	Hampered by gravel buildup - drains between girders.
Drains Clogged (Y/N)		Yes			
Curbs/Median			4	N	(Plow scrapes / delam East curb face - photo. R=4. 15Sep2005). Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			4	6	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			3	6	
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			N	6	
Last Complete Inspection Date		06-Jan-2012			
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 General Rating			6	6	

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
(Extended Backwall Piles (Y/N) : N)				Widened and raised (0.6 m) in 1985. 3 caps high. Old cap left in place - each abut.					
(Extended Backwall Piles Spacing(mm) :)									
(Total Number of Caps/Corbels : 3:3)				Strutted with scabs on inside of caps (photo). Ends with ring cracking.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last	0	0	0				0		
Now	0	0	0				0		
Bearing Seats/Caps/Corbels							6	6	
(Type : TREATED TIMBER)									
(Depth(mm) : 356)									
(Width(mm) : 305)									
Backwalls/Breastwalls			7				7		
Greatest Height (m)		3.00							
Wingwalls			7	7					
(Total Number of Bearing Piles : 8:8)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last	0	0	0	0					
Now	0	0	0	0					
Piles				6	6				
Paint/Coating				5	5				
Abutment Stability				7	7				
Scour/Erosion				N	N				
				Under ice.					
Piers/Bents									
(Type :)									
(Total Number of Caps/Corbels :)									
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last	0	0	0	0					
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			7	7					
				End piles at both ends not strutted - photo.					
Nose Plate				X	X				
Paint/Coating				X	X				
(Colour Description :)									
(Colour Code :)									

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		5	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Upgrade to double layer.					
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	2012	Install struts for end piles, both sides.					
OTHER ACTION	2012	Lower hazard markers to std.					
OTHER ACTION	2012	Upgrade guardrail to meet standard.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	69.4/70.8	Est. Repl. Yr	2018	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	06-Apr-2015		Previous Inspection Date	15-Sep-2005			
Inspection Cycle (Default) (months)	39						
Comment							