

Bridge Inspection										
Bridge File Number	72633 -2 Bridge				Form Type	PCS				
Year Built/Year Supstr	2000/2000				Lot No.	4				
Bridge or Town Name	PENHOLD				Inspector Name	Owen Salava				
Located Over	WASKASOO CREEK, 3.81, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	2A:16 C1 19.643				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	24-Oct-2011				
Legal Land Location	NW SEC 19 TWP 37 RGE 27 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:51:12, 52:11:41				Data Entry Date	29-Nov-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA19				Review Date	14-Nov-2011				
Clear Roadway/Skew	12 / -15 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	8,130 / 2010 (A)				Dept. Review Date	02-Dec-2011				
Road Classification	RAU-211.8-110				Follow-Up By					
Detour Length (km)	5									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		---> On Critical Spans --->Critical Member
Design Loading:	CS750								---> 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	Not required.									
Hazard Marker At Bridge (Y/N)	Yes									
Remarks	Offline, too low - mounted on 1st guardrail post all corners but acceptable.									
Other Sign Types	Waskasoo Creek									

Utilities (Located at)									
Utility Attachments	OTHER UTILITIES-OTHER LINES; TELEPHONE UTILITIES-PHONE LINE								
Telephone	West r/w plowed.				Gas				
Power					Municipal				
Others	Fibre optic in West ditch.				Problem (Y/N)	No			
Remarks									

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		7	7	Curve to the North with good sight distance.	
Vertical Alignment		8	8		
Roadway Width (m)	12.800				
Approach Bump		7	7		
Guardrail (Y/N)	Yes	2 sections with minor dents but still functional.			
Guardrail		5	5		
Length (m)	56.300				
Current Standard (Y/N)	Yes				
Termination Type	Turned Down				
Drainage		8	8		
Approach Road General Rating		7	7		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 1 Spans, Lengths(m): 14, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	5				
Now	0.0	0.0	0.0	0.0	
Wearing Surface			8	8	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	
Bump (Y/N)		No		ACP covered.	
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			N	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			9	9	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			9	9	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			8	8	
Last Complete Inspection Date		24-Oct-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			8	8	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(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				9	9	
(Type : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 700)						
Backwalls/Breastwalls				9	9	
Greatest Height (m)		2.50				
Wingwalls				8	8	
Minor hairline cracks at top of wingwalls.						
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				6	6	
Abutment Stability				8	8	
Scour/Erosion				8	6	
Bottom of S backwall exposed.						
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) :)						
(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	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible. Possible flowline 2.2m from curb top; riprap silt-covered.
Drift (Y/N)	No			
Slope Protection		8	8	Fieldstone.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	74.0/74.0	Est. Repl. Yr	2055	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	24-Jul-2013		Previous Inspection Date	10-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							