Bridge Inspection

Bridge File Number	72634 -2 Bridge	Form Type	PCS
Year Built/Year Supstr	2008/2008	Lot No.	4
		Inspector Name	Owen Salava
Bridge or Town Name	PENHOLD	Inspector Class	BR CLS A
Located Over	WASKASOO CREEK, 3.81, WATERCRS-ST	Assistant Name	
Located On	2A:16 C1 9.150	Assistant Class	
Water Body Cl./Year		Inspection Date	24-Oct-2011
Navigabil. Cl./Year		Data Entry By	Marcia Chavez
Legal Land Location	SE SEC 23 TWP 36 RGE 28 W4M	Data Entry Date	29-Nov-2011
Longitude, Latitude	-113:53:24, 52:06:14	Reviewer Name	John O'Brien
Road Authority	Alberta Transportation (AIT)	Review Date	14-Nov-2011
Contract Main. Area	CMA19	Dept. Reviewer Name	Andrew Smikles
Clear Roadway/Skew	12.2 /	Dept. Review Date	02-Dec-2011
AADT/Year	8,130 / 2010 (A)	Follow-Up By	
Road Classification	RAU-211.8-110		
Detour Length (km)			

Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	---> On Critical Spans --->Critical Member
Design Loading:		CL800					---> Primary Span

Posting Information

Required Load Posting (t)			Single		Semi		Truck Train	
Posted Loading (t)			Single		Semi		Truck Train	
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)	
Posted:	Lane	EB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)	
Remarks	Not required.							

Hazard Marker At Bridge (Y/N)	Yes
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		7	7	
Vertical Alignment		7	7	
Roadway Width (m)	13.600			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	57.000			
Current Standard (Y/N)	Yes			
Termination Type	Turn Down			
Drainage		8	8	
Approach Road General Rating		**7**	**7**	

Superstructure					
Bridge Component			**Last**	**Now**	**Explanation of Condition**
(Primary Span : **SL, 1 Spans, Lengths(m): 12, 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			7	7	Waterproofing membrane (force point 5000) under ACP.
(Material Type : **ACP**)					
(Thickness(mm) : **80**)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Asphalt covered. Buffer angles.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	50mm high plinth
(Curb Type : **Standard**)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	2 layers of thrie beam.
(Type : **GALVANIZED STEEL THRIE BEAM**)					
Bridge Rail Posts			9	9	
(Type : **POST STEEL;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			9	9	
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			**9**	**9**	

Substructure						
Bridge Component					**Last**	**Now**	**Explanation of Condition**
Abutments							
(Extended Backwall Piles (Y/N) : **Y**)							
(Extended Backwall Piles Spacing(mm) : **1700**)							
(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 : **GALVANIZED STEEL**)							
(Depth(mm) : **351**)							
(Width(mm) : **300**)							
Backwalls/Breastwalls					9	9	
Greatest Height (m)	0.90						
Wingwalls					9	9	
(Total Number of Bearing Piles : **9:9**)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Piles					9	9	
Paint/Coating					9	9	
Abutment Stability					7	7	
Scour/Erosion					7	7	
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		**7**	**7**	

Structure Usage				
		Last	**Now**	**Explanation of Condition**
Channel				
(U/S Direction : **S**)				
(D/S Direction : **N**)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	CL 1/2.
(Type : **RIP RAP; RIP RAP**)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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) (%)**	**75.9/75.9**	Est. Repl. Yr	2075	Maint. Reqd. (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			