

Bridge Inspection										
Bridge File Number	08029 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1997/1997				Lot No.	3				
Bridge or Town Name	GWYNNE				Inspector Name	Owen Salava				
Located Over	PIPESTONE CREEK, 5.47, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	822:06 C1 2.304				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	07-Feb-2013				
Legal Land Location	SE SEC 24 TWP 46 RGE 23 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:11:55, 52:58:47				Data Entry Date	07-Mar-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA17				Review Date	13-Feb-2013				
Clear Roadway/Skew	9.5 / 10 deg. (RHF)				Dept. Reviewer Name	Chris Black				
AADT/Year	190 / 2011 (A)				Dept. Review Date	14-Mar-2013				
Road Classification	RLU-209G-90				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	Not required. Mounted to first guardrail post off bridge.									
Other Sign Types	50 kph Northbound.									

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road										
		Last	Now	Explanation of Condition						
Horizontal Alignment		7	7	Curve to North.						
Vertical Alignment		7	7							
Roadway Width (m)	8.000									
Approach Bump		7	7							
Guardrail (Y/N)		Yes		Snow covered.						
Guardrail		7	N							
Length (m)	15.700									
Current Standard (Y/N)		Yes								
Termination Type		Turn Down								
Drainage		7	7	(Windrow under guardrail, all corners. 29Jan2007) - Snow covered.						
Approach Road General Rating		7	7							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 12-12-12, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	40				
Now	60.0	0.0	0.0	0.0	
Wearing Surface			6	6	Minor aggregate popouts. (One narrow longitudinal crack in S2/S3 SBL - photo. 29Jan2007).
(Material Type : CONCRETE)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			7	7	Mostly gravel covered.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	(2 local chips in E curb. Gravel buildup on top of curbs. 18Sep2003) - Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			7	7	Hairline longitudinal crack in exterior curb fascia 300mm above girder U/S for length of unit, typical.
Last Complete Inspection Date		07-Feb-2013			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

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				8	8	
(Type : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 650)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		0.80				
Wingwalls				8	8	
(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				7	7	
Abutment Stability				8	8	
Scour/Erosion				8	8	
Piers/Bents						
(Type : PIER-COLUMN)						
(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				8	8	
(Type : CONCRETE)						
(Depth(mm) : 750)						
(Width(mm) : 700)						
(Total Number of Bearing Piles : 5:5)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		2.70				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				8	8	
(Colour Description :)						
(Colour Code :)						
Pier Stability				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		4	4	Loss of half of the headslope behind the pier piles; within 2m of piles, lateral erosion.
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		5	5	
Bank Stability		5	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		3	3	Loss of half of N hslp within 2m behind pier piles - photo.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		3	3	

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	2013	Restore North headslope, 20m3 pitrun, and armour with 20m3 of class I.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	73.0/72.9	Est. Repl. Yr	2053	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	Owen Salava	Previous Assistant's Name					
Next Inspection Date	07-May-2016	Previous Inspection Date	01-Mar-2010				
Inspection Cycle (Default) (months)	39						
Comment							