

Bridge Inspection											
Bridge File Number	79710 -1 Bridge				Form Type	SG					
Year Built/Year Supstr	1985/1985				Lot No.	2					
Bridge or Town Name	GRANDE CACHE				Inspector Name	Brian Pientsch					
Located Over	SHEEP CREEK, 8.10.58.30, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	40:36 C1 24.554				Assistant Name	Russel Vanderschaaf					
Water Body Cl./Year					Assistant Class	BR CLS B					
Navigabil. Cl./Year					Inspection Date	23-Aug-2012					
Legal Land Location	SE SEC 5 TWP 59 RGE 7 W6M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-119:00:40, 54:03:60				Data Entry Date	23-Oct-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA05				Review Date	22-Oct-2012					
Clear Roadway/Skew	11 /				Dept. Reviewer Name	David Morrison					
AADT/Year	1,220 / 2011 (A)				Dept. Review Date	15-Jan-2013					
Road Classification	RAU-211.8-110				Follow-Up By						
Detour Length (km)	999										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS400									----> 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		Sheep Ck.							

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	South r/w - 1 wire				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Field entrance 100m E				
Vertical Alignment			8	8					
Roadway Width (m)			10.200						
Approach Bump			8	8					
Guardrail (Y/N)			Yes		Insufficient length				
Guardrail			7	3	NE turn down end missing 4 bolts.-photo				
Length (m)			34.000						
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
Drainage			6	6					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 2 Spans, Lengths(m): 22-35, A-Ident Number: A1006-01)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	50	0	0	0	
Now	0.0	0.0	0.0	2.0	
Wearing Surface			6	3	A few cracks in ACP, one down c.l. and random transverse cracks. Void 0.13Wx0.6Lx0.40m at SE approach curb.-photo
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 90)					
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			6	6	
Temperature (deg. C)		10			
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
75		West			
80		East			
Deck Drainage			7	4	All ok except NW clogged.
Drains Clogged (Y/N)		Yes			
Curbs/Median			N	4	Cracking vertically every 1.0 m. SE corner plate protrudes 20mm from curb will not affect traffic or graders.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	50% Snow covered.
(Type : GALVANIZED STEEL BRIDGE TUBE;BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	
Flange			8	8	
Web			8	8	
Stiffeners			8	8	
Splice			8	8	
Weld			8	8	
Diaphragms/Cross Frame			8	8	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 22-35, A-Ident Number: A1006-01)				
Paint Condition		7	7	weathered steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	Disc @ West abutment.
Temperature (deg. C)	10			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : DISC & DOME BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	
Stains (Percent Area)	0			
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				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		5	5	Peeling and flaking at waterline. Grey sealer
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Channel is cutting into bank at the NW making a bend before the guidebank.(Photo)
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		5	5	
HWM (m below Top of Curb)	4.0			May 25, 2007 In east abut. between G3 & 4
Drift (Y/N)	Yes			
Slope Protection (Type : RIP RAP; RIP RAP)		7	7	
Guidebank/Spurs		6	6	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Fill void at SE approach curb.					
OTHER ACTION	2013	Fix turn down end.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	63.5/65.0	Est. Repl. Yr	2055	Maint. Reqd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor stream NW of bridge before guide bank.		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	Russel Vanderschaaf			
Next Inspection Date	23-May-2014		Previous Inspection Date	19-Nov-2010			
Inspection Cycle (Default) (months)	21						
Comment							