

Bridge Inspection							
Bridge File Number	76995 -2 Bridge			Form Type	PCS		
Year Built/Year Supstr	2011/2011			Lot No.	4		
Bridge or Town Name	GRANDE CACHE			Inspector Name	Brian Pientsch		
Located Over	MALCOLM CREEK, 8.10.58.38, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	40:36 C1 2.200			Assistant Name	Clem Guenette		
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	22-Aug-2012		
Legal Land Location	SE SEC 7 TWP 57 RGE 8 W6M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-119:10:20, 53:54:34			Data Entry Date	21-Nov-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA05			Review Date	22-Oct-2012		
Clear Roadway/Skew	12.4 / -24 deg. (LHF)			Dept. Reviewer Name	David Morrison		
AADT/Year	1,220 / 2011 (A)			Dept. Review Date	11-Jan-2013		
Road Classification	RAU-211.8-110			Follow-Up By			
Detour Length (km)	40						
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)							
Remarks							
Other Sign Types	Malcolm Creek hidden road.						

Utilities (Located at)			
Utility Attachments			
Telephone	West r/w		Gas
Power	3 wire o/h East r/w		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Access road 110m North On crest curve-no passing
Vertical Alignment		7	7	
Roadway Width (m)	12.380			60.3m NE & SW and 71.7m NW & SE corners.
Approach Bump		9	9	
Guardrail (Y/N)	Yes			
Guardrail		9	9	
Length (m)	60.300			
Current Standard (Y/N)	Yes			
Termination Type	TURNED DOWN ENDS			
Drainage		9	9	
Approach Road General Rating		9	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SLC, 1 Spans, Lengths(m): 16, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			9	9	
(Material Type : ACP)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			9	9	
Deck Joints			9	N	Under ACP
Bump (Y/N)		No			
Deck Drainage			9	9	No drains
Drains Clogged (Y/N)					
Curbs/Median			9	9	
(Curb Type : Standard)					
Scaling (Percent Area)					
Bridge Rail			9	9	Insufficient thread on 5 post on SE corner.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(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					
Girders			9	9	
Last Complete Inspection Date		22-Aug-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)					
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) : 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					A1 650mm + A2 810mm wide	
Bearing Seats/Caps/Corbels				9	9	
(Type : CONCRETE)						
(Depth(mm) : 3350)						
(Width(mm) : 650)						
Backwalls/Breastwalls				9	9	
Greatest Height (m)		1.50				
Wingwalls				9	9	
(Total Number of Bearing Piles : 13:13)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	23	0	0	0	In concrete abutment	
Now	23					
Piles				9	N	
Paint/Coating				9	9	
Abutment Stability				9	9	
Scour/Erosion				9	9	
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		9	9	
Debris (Y/N)	No			
Substructure General Rating		9	9	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				NO HWM visible
Drift (Y/N)	No			
Slope Protection		9	9	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

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) (%)	100.0/100.0	Sufficiency Rating (Last/Now) (%)	83.6/83.6	Est. Repl. Yr	2066	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	22-May-2014		Previous Inspection Date	24-Oct-2011			
Inspection Cycle (Default) (months)	21						
Comment							