

Bridge Inspection									
Bridge File Number	75487 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1963/1994				Lot No.	2			
Bridge or Town Name	GRIMSHAW				Inspector Name	Russel Vanderschaaf			
Located Over	CARDINAL CREEK, 8.10.48.3, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	35:04 C1 10.374				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Nov-2011			
Legal Land Location	NW SEC 25 TWP 84 RGE 24 W5M				Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-117:39:47, 56:18:56				Data Entry Date	16-Dec-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA04				Review Date	12-Dec-2011			
Clear Roadway/Skew	12.8 /				Dept. Reviewer Name	Steve Pasquan			
AADT/Year	1,660 / 2010 (A)				Dept. Review Date	11-Jan-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	6								
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 Req'								

Hazard Marker At Bridge (Y/N)	Yes								
Remarks	SW hazard marker missing								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	West ROW				Gas				
Power	East ROW - 5 wire o/h				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Entrance to the south. IN SLIGHT SAG CURVE				
Vertical Alignment			7	7					
Roadway Width (m)	11.600								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			4	6					
Length (m)	49.400								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 6.1, 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	0.0	0.0	0.0	0.0	
Wearing Surface			6	7	Wide cracking on top of abutment.
(Material Type : MIX TYPE 2 ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	7	
Deck Joints			N	N	ACP covered.
Bump (Y/N)		No			
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)					
Curbs/Median			5	N	Isolated chips Snow covered
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			5	6	2 layer guardrail bolted to bridgerail.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			3	6	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			5	5	Lifting pockets and connector pockets are tarred. - 9 feb 2010 Medium long cracking lower East and west curb Facia. Narrow long cracking under side of curb girder.3 girders have long hairline cracks in AZ.
Last Complete Inspection Date					
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 12)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1000)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
Backwalls/Breastwalls				4	4	Abut. 2 backwall pushing in.
Greatest Height (m)		2.20				
Wingwalls				5	5	NW plank corner broken . SE top plank bent.
(Total Number of Bearing Piles : 13:12)				A2 P11 repaired with steel. Piles have check cracks - 3mm gap.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Allmpiles clamped and scabed.
Last						
Now	0	0	0	0		
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				5	5	Abutment 2 backwall pushing South.
Scour/Erosion				5	5	
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				X	X	
(Type :)						
(Depth(mm) :)						
(Width(mm) :)						

Substructure							
Bridge Component					Last	Now	Explanation of Condition
(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		
Scour				X	X		
Debris (Y/N)		Yes				Beaver dam under bridge	
Substructure General Rating				5	5		

Structure Usage							
					Last	Now	Explanation of Condition
Channel							
(U/S Direction : W)							
(D/S Direction : E)							
Alignment				7	7		
Bank Stability				7	7		
HWM (m below Top of Curb)					Hwm not visible.		
Drift (Y/N)		Yes		Beaverdam under bridge.			
Slope Protection				5	5		
(Type : RIP RAP; RIP RAP)							
Guidebank/Spurs				X	X		
Adequacy of Opening				7	4	Beaver dam under bridge (photo)	
(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 : NONE)							
Channel General Rating				5	4		

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	2012	Remove beaverdam					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	59.2/58.2	Est. Repl. Yr	2020	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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	16-Aug-2013		Previous Inspection Date	09-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							