

Bridge Inspection									
Bridge File Number	02344 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2003/2003				Lot No.	3			
Bridge or Town Name	CARDSTON				Inspector Name	Jason Rusu			
Located Over	ENV - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	18-Nov-2012			
Legal Land Location	SW SEC 35 TWP 4 RGE 27 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-113:32:14, 49:20:06				Data Entry Date	15-Dec-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	UNDEFINED CMA				Review Date	01-Dec-2012			
Clear Roadway/Skew	7.4 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	31 / 2003 (E)				Dept. Review Date	27-Dec-2012			
Road Classification	RLU-207G-60				Follow-Up By				
Detour Length (km)	2								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> 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)	No								
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		5	5	Field access. 90 degrees to canal access road. Limited sight distance.	
Vertical Alignment		5	5		
Roadway Width (m)	7.000				
Approach Bump		7	7		
Guardrail (Y/N)	No				
Guardrail		X	X		
Length (m)					
Current Standard (Y/N)					
Termination Type					
Drainage		8	8		
Approach Road General Rating		5	5		

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SC, 4 Spans, Lengths(m): 10-10-10-10, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	0.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)						
Deck Top			8	8		
Deck Rideability			8	8		
Deck Joints			8	8		
Bump (Y/N)		No				
Deck Drainage			8	8	Drains off the sides	
Drains Clogged (Y/N)						
Curbs/Median			X	X		
(Curb Type : Standard)						
Scaling (Percent Area)						
Bridge Rail			4	4	Missing bolts at each lap connection both sides, minor damage at North terminal ends.	
(Type : FLEX BEAM)						
Bridge Rail Posts			8	7		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			6	7		
(Type : PAINT)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders			8	8		
Last Complete Inspection Date		18-Nov-2012				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 24)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			8	8		

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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : STEEL)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Backwalls/Breastwalls			N	N	
Greatest Height (m)		0.80			
Wingwalls			X	X	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	100	0	0	0	
Piles			N	N	
Paint/Coating			6	6	
Abutment Stability			8	8	
Scour/Erosion			8	8	
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : STEEL)					
(Depth(mm) : 350;360)					
(Width(mm) : 380)					
(Total Number of Bearing Piles : 5:5:5)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles			8	8	
Greatest Height (m)		6.20			
Bracing/Struts/Sheathing			X	X	
Nose Plate			X	X	
Paint/Coating			6	6	
(Colour Description : SILVER)					
(Colour Code : SILVER)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	
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)	2.8			No HWM visible
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : GRAVEL; GRAVEL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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	2013	Install missing bolts in the laps - 80 bolts					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	92.3/80.3	Est. Repl. Yr	2043	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	18-Aug-2017		Previous Inspection Date	21-Oct-2007			
Inspection Cycle (Default) (months)	57						
Comment							