

Bridge Inspection							
Bridge File Number	73753 -2 Bridge			Form Type	PCS		
Year Built/Year Supstr	2008/2008			Lot No.	4		
Bridge or Town Name	IRRICANA			Inspector Name	Jon Davies		
Located Over	ROSEBUD RIVER, 3.33, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	9:02 C1 38.839			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	26-Nov-2011		
Legal Land Location	SE SEC 34 TWP 27 RGE 26 W4M			Data Entry By	Anne Roberts		
Longitude, Latitude	-113:34:17, 51:20:59			Data Entry Date	21-Dec-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA29			Review Date	05-Dec-2011		
Clear Roadway/Skew				Dept. Reviewer Name	Tim Davies		
AADT/Year	2,820 / 2010 (A)			Dept. Review Date	10-Jan-2012		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)							
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)		In Advance (Y/N)	No	At Bridge (Y/N)
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
Remarks	Not req'd						
Hazard Marker At Bridge (Y/N)	Yes						
Remarks							
Other Sign Types	River ID						

Utilities (Located at)			
Utility Attachments			
Telephone	E & W R/W		Gas
Power	East Row and crosses North		Municipal
Others	Fibre optic cable visible East ROW		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	
Vertical Alignment		7	7	
Roadway Width (m)	14.000			Minor settlement at North bound lane. 5 m long x 0.400 m wide x 20 mm deep.
Approach Bump		6	5	
Guardrail (Y/N)	Yes			All T.D. ends not properly installed. Several posts have settlement and are leaning.
Guardrail		3	3	
Length (m)	40.000			
Current Standard (Y/N)	Yes			
Termination Type	turndown			
Drainage		6	6	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 2 Spans, Lengths(m): 14-14, 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			8	8	
(Material Type : MIX TYPE 1 ACP)					
(Thickness(mm) : 70)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Bump (Y/N)		Yes		saw cuts	
Deck Drainage			7	4	
Drains Clogged (Y/N)		No		Drains plugged with frozen debris.	
Curbs/Median			4	4	
(Curb Type : Standard)					
Scaling (Percent Area)		0		Poor finishing with honeycomb at NW and at grout tubes.	
Bridge Rail			8	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			9	9	
(Type : 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	0	0	0	0	
Now	0	0	0	0	
Girders			8	8	
Last Complete Inspection Date		26-Nov-2011		Deterioration of pigmented coating of exterior fascia of curb girder 1 and 12.	
Cracking (Y/N)		No		2 spans continuous	
Spalling (Percent Area)		0			
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			8	8	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)		Styrofoam still in place @ Girder & Wingwall				
(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 : CONCRETE)						
(Depth(mm) :)						
(Width(mm) : 600)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.50				
Wingwalls				8	8	
(Total Number of Bearing Piles : 0:0)		Unable to confirm number of bearing piles.				
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	18	0	0	0		
Now	18	0	0	0		
Piles				N	N	
Paint/Coating				8	8	
Abutment Stability				9	9	
Scour/Erosion				8	8	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 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 : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 1000)						
(Total Number of Bearing Piles : 6)		Piles misaligned 100mm to cap transversely at East end.				
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)		5.00				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				8	8	
(Colour Description :)						
(Colour Code :)						
				Galv. on piles. Pigmented on cap.		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)	5.5			No visible HWM
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Repair all T.D. ends- install extra flexbeam section- warranty.					
SEAL CURBS	2012	Repair concrete finish at NW and at grout tubes- warranty					
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	Repair settlement at approach posts and straighten posts- warranty.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
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OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	63.4/56.6	Est. Repl. Yr	2080	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	26-Aug-2013		Previous Inspection Date	12-Jul-2010			
Inspection Cycle (Default) (months)	21						

Comment	
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