

Bridge Inspection									
Bridge File Number	08677 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1969/1969				Lot No.	1			
Bridge or Town Name	IRRICANA				Inspector Name	Garry Roberts			
Located Over	CROSSFIELD CREEK, 3.33.20, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	567:06 C1 23.191				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	25-Jul-2012			
Legal Land Location	SE SEC 18 TWP 27 RGE 26 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-113:38:45, 51:17:59				Data Entry Date	30-Aug-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA29				Review Date	07-Aug-2012			
Clear Roadway/Skew	9.4 / 30 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,840 / 2011 (A)				Dept. Review Date	06-Sep-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 70 GIRDER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Bump +85km/hr signs-200m East & West.								
Utilities (Located at)									
Utility Attachments									
Telephone	South ditch.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	Wrong lap at NE wings and NW and SE turn down ends . Not attached to bridge rail. Not thriebeam.				
Vertical Alignment			8	8					
Roadway Width (m)	9.300								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			4	4					
Length (m)	15.200								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 10.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Longitudinal cracks along all girder lines.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	Paved over.
Deck Rideability			7	7	
Deck Joints			N	N	ACP covered.
Bump (Y/N)	No				
Deck Drainage			7	7	
Drains Clogged (Y/N)	No				
Curbs/Median			7	7	Minor spalls @ NE and SW corners.
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail			4	4	Wrong lap at NW and SE wing ends. Missing 2 bolts at SW and 1 bolt at SE. Single layer.
(Type : STEEL FLEX BEAM;FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	1	
Now	0	0	0	2	
Girders			3	3	G3 and G7 have wide cracks in AZ at West end in unsound concrete. G1,G5,G8,G10,G11 all have wide cracks in AZ at 1 leg only. G6 is VS girder.
Last Complete Inspection Date	25-Jul-2012				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	1				
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			3	3	

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 : 9:9)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				1	
Now	0	0	0	2	
Bearing Seats/Caps/Corbels				3	3
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 355)					
Backwalls/Breastwalls					
			6	6	
Greatest Height (m)		2.60			
Wingwalls					
			7	6	
(Total Number of Bearing Piles : 10:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				5	5
Paint/Coating				X	X
Abutment Stability				5	5
Scour/Erosion				6	6
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 :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		3	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		5	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Install 3 missing bolts- correct lap at bridge & approach rails.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS	2013	Core timber caps and piles.					
REPAIR/REPLACE TIMBER CAPS	2013	Replace caps/piles after coring.					
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) (%)	33.3/33.3	Sufficiency Rating (Last/Now) (%)	54.2/54.0	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	25-Oct-2015		Previous Inspection Date	14-May-2009			
Inspection Cycle (Default) (months)	39						
Comment							