

Bridge Inspection									
Bridge File Number	74447 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1984/1984				Lot No.	2			
Bridge or Town Name	STAND OFF				Inspector Name	Garry Roberts			
Located Over	PFR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	2:04 C1 17.854				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Sep-2011			
Legal Land Location	NE SEC 4 TWP 5 RGE 25 W4M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-113:18:01, 49:21:41				Data Entry Date	20-Oct-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Ash Morjaria			
Contract Main. Area	CMA25				Review Date	08-Oct-2011			
Clear Roadway/Skew	11.8 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	2,870 / 2010 (A)				Dept. Review Date	28-Oct-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	7								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS300						----> 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	CURVE								

Utilities (Located at)									
Utility Attachments									
Telephone	PEDESTAL SW 15 m.				Gas				
Power	2 W EAST & CROSSES ROAD				Municipal				
Others	75 m SOUTH				Problem (Y/N)	No			
Remarks	Fibre Optics @ SW								

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8	Canal access roads at north.					
Vertical Alignment		9	9						
Roadway Width (m)		11.400							
Approach Bump		7	7						
Guardrail (Y/N)		Yes		Type IV on N. end. Wrong lap at NE.					
Guardrail		4	4						
Length (m)		13.000		12m @ type G 34m @ turndown end @ South Not thriebeam.					
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN SOUTH							
Drainage		4	4	Open gap along approach curbs. Minor damage to NE concrete trough drain.					
Approach Road General Rating		8	8						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CBT, 2 Spans, Lengths(m): 15.1-15.1, 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			7	6	Chip seal on 85% of deck. Chipseal on HD concrete. Total thickness 60mm.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			3	3	Missing 1 cover plate bolt SBL of South abut.
Temperature (deg. C)		20			
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
55		South			
50		North			
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Staining every 0.6 m - 1.0 m along outside of both curbs. Debonding outside face @ post location @ NE. Vertical cracks at all posts of ext curb face. Abrasion @ NW corner- MINOR.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	7	8 A/B nuts with less than full thread.
(Type : STEEL BRIDGE TUBE; GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(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	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CBT, 2 Spans, Lengths(m): 15.1-15.1, A-Ident Number:)				
Girders		5	6	Minor spall @ East
Cracking (Y/N)	Yes			THE CIP SECTION OVER both PIERS HAS A VERTICAL 2 mm WIDE construction joint.
Spalling (Percent Area)	0			
(Number Of Girders : 12)				
Diaphragms/Cross Frame		6	6	MEDIUM WIDTH. VERT. CRACKS IN DIAPHRGM
Bearings		8	8	
Temperature (deg. C)	20			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried.
Paint/Coating		5	5	
Abutment Stability		7	7	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 6)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	Light corrosion at base of piles. Yellow
Paint/Coating		4	4	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		N	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
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		7	7	
HWM (m below Top of Curb)	5.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	Based on previous HWM
(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							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2011	Seal gaps at interface of approach slab and curbs.					
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2011	Replace 1 cover plate bolt- check/tighten all others.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/72.2	Sufficiency Rating (Last/Now) (%)	59.8/62.8	Est. Repl. Yr	2030	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	15-Jun-2013		Previous Inspection Date	21-Jan-2010			
Inspection Cycle (Default) (months)	21						
Comment							