

Bridge Inspection										
Bridge File Number	09179 -1 Bridge					Form Type	TH			
Year Built/Year Supstr	1950/1949					Lot No.	1			
Bridge or Town Name	JENNER					Inspector Name	Jason Saly			
Located Over	RED DEER RIVER, 3, WATERCRS-ST					Inspector Class	BR CLS A			
Located On	884:04 C1 15.163					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	22-Nov-2010			
Legal Land Location	SW SEC 3 TWP 22 RGE 9 W4M					Data Entry By	Marcia Chavez			
Longitude, Latitude	-111:10:36, 50:50:19					Data Entry Date	07-Jan-2011			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	John O'Brien			
Contract Main. Area	CMA22					Review Date	11-Dec-2010			
Clear Roadway/Skew	6.7 /					Dept. Reviewer Name	Chris Black			
AADT/Year	440 / 2009 (A)					Dept. Review Date	12-Jan-2011			
Road Classification	RCU-208-110					Follow-Up By				
Detour Length (km)	100									
Allowable Load (t):	Single	CS1 28 STRINGER			Semi	CS2 50 STRINGER		Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS230									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)		Yes										
Posted:	Lane	NB	On Bridge (m)	6.0	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	6.0	In Advance (Y/N)	Yes
Remarks		Measured 6.110 and 6.114m.										
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 required.										

Hazard Marker At Bridge (Y/N)	Yes											
Remarks												
Other Sign Types		Max 1 truck signs - both ends										

Utilities (Located at)										
Utility Attachments										
Telephone						Gas				
Power						Municipal				
Others						Problem (Y/N)	No			
Remarks										

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		6	6	Winding down to valley.	
Vertical Alignment		4	4	Steep grades est. 8% at edges of valley.	
Roadway Width (m)		7.500			
Approach Bump		5	5		
Guardrail (Y/N)		Yes			
Guardrail		6	6		
Length (m)		61.000			
Current Standard (Y/N)		No		Not attached to bridge.	
Termination Type		TURNED DOWN ENDS			
Drainage		4	N		
Approach Road General Rating		4	4		

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : TH, 3 Spans, Lengths(m): 61-76.2-61, A-Ident Number: A0174-02;A0176-01;A0174-03)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
Last	0	0	0	0		
Now	100.0	0.0	0.0	0.0		
Wearing Surface/Deck Top				6	N	(New ekki wood deck - not extended to curbs. Deck missing numerous lag screws throughout, majority missing at both abutments. Deck appears firmly attached. 30jan2009). Damaged timber at N end of the bridge.
(Material Type : UNTREATED TIMBER)						
(Plank Thickness(mm) : 75)						
(Plank Width(mm) : 250)						
Deck Rideability				7	7	
Deck Joints				3	3	Missing 0.9M section of finger joint at Pier 2.
Temperature (deg. C)		-18				
(Expansion Type : FINGER PLATES)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
61		P2				
Curbs/Wheel Guards				8	N	
(Curb Type : Standard)						
(Type : STEEL)						
(Curb Height(mm) : 330)						
(Width(mm) : 300)						
Bridge Rail		6	6	(panel 9 span 3 has a 20mm crack at welded connection. Sept 1/08). (Missing 4 bolts attaching steel end posts. 30Jan2009). Corroded. Posts painted posts. Galvanized rail.		
(Type : BRIDGE TUBE)						
Bridge Rail Posts/Blocking		4	4			
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating		4	4			
(Type : PAINT)						
Sidewalk		X	X			

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : TH, 3 Spans, Lengths(m): 61-76.2-61, A-Ident Number: A0174-02;A0176-01;A0174-03)						
Wide Load Damage (Y/N)	Yes				(Missing truss ID plate at Span2 - U/S batter post - tag is laying on pier 2 top. 30Jan2009). Spans 1 & 2 all 4 batter posts have nicks. Section missing at SP1. Bottom tie plates on bottom chord are bulging from rust buildup between plates.	
High Load Damage (Y/N)	No					
Top Chord			7	7		
Batter Posts			5	5		
Sway Bracings			6	6		
Diagonals			6	6		
Verticals			7	7		
Portals			7	7		
Connections			5	5		
Floor Beams			7	7		
Bottom Chord			7	7		
(No. of Stringers : 98)				9 stringers/bay		
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers			7	7		
(Type : STEEL)						
(Width(mm) :)						
(Depth(mm) :)						
(Spacing(mm) : 853)						
Paint Condition			4	4	Corrosion is predominantly in splash zone.	
(Colour Description : YELLOW)						
(Colour Code : 13538)						
Touchup Required (Y/N)	No					
Bearings			4	4	(Grout pads on piers are all delaminated around bearing edges. Sept 1/08). (2 nuts missing at A1. 30Jan2009). Both were snow/gravel covered.	
Temperature (deg. C)	-18					
(Expansion Type :)						
(Fixed Type :)						
Functioning (Y/N)	Yes					
Sub Deck/Deck Underside			7	7	(Subdeck may be contributing to loosening of stripdeck due to uneveness. 30Jan2009).	
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 150)						
(Plank Width(mm) : 305)						
Defects (Percent Area)	0					
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rating			5	4		
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
(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			7	7	
(Type : CONCRETE)					
(Depth(mm) :)					
(Width(mm) :)					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		2.50			
Wingwalls			7	7	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	1	0	0	0	
Now	1	0	0	0	
Piles			N	N	
Paint/Coating			6	6	
Abutment Stability			7	7	
Scour/Erosion			7	7	
Piers/Bents					
(Type : PIER-SOLID)					
(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			4	4	
(Type : CONCRETE)					
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles			7	7	
Greatest Height (m)		6.70			
Bracing/Struts/Sheathing			X	X	
Nose Plate			7	7	
Paint/Coating			6	6	
(Colour Description :)					
(Colour Code :)					
Pier Stability			7	7	
Scour			N	N	
(Some scour visible on N pier - minor. Sept 1/08). (Pigmented sealer. 30Jan2009).					
Debris (Y/N)		No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction :)				
(D/S Direction :)				
Alignment		6	6	
Bank Stability		7	N	Snow covered.
HWM (m below Top of Curb)				(HWM 8.80m. 91/12/09).
Drift (Y/N)	No			
Slope Protection		7	N	Snow covered.
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		7	7	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS	2011	Install 4 bolts at steel end posts, if not yet done.					
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Install two 1 3/8" anchor nuts.					
OTHER ACTION	2011	RegROUT bearing pads.					
OTHER ACTION	2012	Replace finger joint section					
OTHER ACTION	2011	Install truss ID tag					
OTHER ACTION	2011	Repair spall at pier 1					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/44.4	Sufficiency Rating (Last/Now) (%)	36.7/34.2	Est. Repl. Yr	2037	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	22-Feb-2014	Previous Inspection Date	30-Jan-2009
Inspection Cycle (Default) (months)	39		
Comment			