

Bridge Inspection										
Bridge File Number	80981 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1986/1986				Lot No.	4				
Bridge or Town Name	DESMARAIS				Inspector Name	Wade Nanninga				
Located Over	WABASCA RIVER, 8.10.18, WATERCRS-ST				Inspector Class	BR CLS B				
Located On	754:06 C1 28.663				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	07-Jan-2011				
Legal Land Location	NE SEC 22 TWP 80 RGE 25 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-113:49:24, 55:56:55				Data Entry Date	03-Feb-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer				
Contract Main. Area	CMA06				Review Date	12-Jan-2011				
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	2,830 / 2009 (A)				Dept. Review Date	08-Feb-2011				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	100									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	MS23						----> 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 required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Information signs, stop sign.								

Utilities (Located at)										
Utility Attachments										
Telephone	North.				Gas					
Power	2 wires East r/w. 3 wires North. 1 wire South. Street lights North.				Municipal					
Others	Water line SE.				Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Intersection north end of bridge.				
Vertical Alignment			9	7					
Roadway Width (m)	9.000				32m @ SE & SW. Type VI radius @ NW & NE - 40.0m. All with thrie beam transition.				
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			3	7					
Length (m)	32.000								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			9	4	Erosion along NE WW from approaches-2mx1mx1m.				
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 4 Spans, Lengths(m): 11-11-11-11, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	20.0	0.0	0.0	0.0	
Wearing Surface			9	4	Chipseal unravelling exposing deck.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT;CONCRETE)					
(Thickness(mm) : 150)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	N	
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	No class 3 finish on fascias.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			9	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			9	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	S2 & S3 girders viewed from banks.
Last	18				
Now					
Girders			9	5	Narrow long. cracks S1 & S4G1-9.
Last Complete Inspection Date		27-Oct-2006			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			9	5	

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)	Horizontal delam cracking in both abuts.		
Last							
Now							
Bearing Seats/Caps/Corbels			8	4			
(Type : CONCRETE)							
(Depth(mm) : 630)							
(Width(mm) : 550)							
Backwalls/Breastwalls				X	X		
Greatest Height (m)		1.20					
Wingwalls				8	8		
(Total Number of Bearing Piles : 0:0)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	1	0	0	0			
Piles			N	N			
Paint/Coating				8	8		
Abutment Stability				8	7		
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)	WLC on underside of P3/P1 and on vertical face -East ends.		
Last							
Now							
Bearing Seats/Caps/Corbels			8	4			
(Type : CONCRETE)							
(Depth(mm) : 630)							
(Width(mm) : 550)							
(Total Number of Bearing Piles : 6:6:6)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles			7	7			
Greatest Height (m)		4.00					
Bracing/Struts/Sheathing				7	7		
Nose Plate				X	X		
Paint/Coating				3	4	Pitting rust.	
(Colour Description : GREEN)							
(Colour Code : 14090)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		7	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		9	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : GRAVEL; GRAVEL)				
Guidebank/Spurs		X	8	
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/50.0	Sufficiency Rating (Last/Now) (%)	77.5/57.6	Est. Repl. Yr	2040	Maint. Req. (Y/N)	No
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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	07-Apr-2014		Previous Inspection Date	15-Aug-2007			
Inspection Cycle (Default) (months)	39						
Comment							