

Bridge Inspection									
Bridge File Number	78634 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2002/2002				Lot No.	4			
Bridge or Town Name	DESMARAIS				Inspector Name	Wade Nanninga			
Located Over	TRIBUTARY TO WABASCA RIVER, 8.10.18.29, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	813:10 C1 12.204				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	07-Jan-2011			
Legal Land Location	NW SEC 2 TWP 80 RGE 23 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:29:28, 55:54:18				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	10.4 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,070 / 2009 (A)				Dept. Review Date	08-Feb-2011			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	300								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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									

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w				Gas				
Power	1 wire North r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curve to East, no passing. Limited sight distance. Crest curve to West. SE & NW - 30.4m; SW & NE - 38.0m.				
Vertical Alignment			7	7					
Roadway Width (m)	11.800								
Approach Bump			5	7					
Guardrail (Y/N)	Yes								
Guardrail			4	7					
Length (m)	30.400								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 2 Spans, Lengths(m): 8-8, 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					
Wearing Surface			X	7	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)	No				
Deck Top		6	N	Some connection pocket grout spalling - photo. Some lift pockets not filled level, holding water - photo.-09-Aug-2007	
Deck Rideability		6	7		
Deck Joints		7	N	Buffer angles.-09-Aug-2007	
Bump (Y/N)	No				
Deck Drainage		4	4	Leaks between girders creating erosion channels in headslopes, staining girders.	
Drains Clogged (Y/N)	No				
Curbs/Median		4	N	Small spall @ SW corner.	
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail		8	8		
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		8	8		
(Type : GALVANIZED POST STEEL;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					
Now					
Girders		5	5	Spot corrosion in underside of curb units.	
Last Complete Inspection Date	07-Jan-2010				
Cracking (Y/N)	No				
Spalling (Percent Area)	0			Grout too low with ponding.-09-Aug-2007	
Lift or Connector Pocket Grouted (Y/N)	Yes				
(Number Of Girders : 20)					
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		5	5		

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1800)							
(Total Number of Caps/Corbels : 1:1)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels				8	8		
(Type : STEEL)							
(Depth(mm) : 310)							
(Width(mm) : 310)							
Backwalls/Breastwalls				8	8		
Greatest Height (m)		1.50					
Wingwalls				8	8		
(Total Number of Bearing Piles : 7:7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Piles				8	6	Clamp/scab installed. P6 E abut twisted during installation.	
Paint/Coating				8	7		
Abutment Stability				8	8		
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							
Now							
Bearing Seats/Caps/Corbels				5	5	Double wide cap. Missing stiffeners above piles.	
(Type : STEEL)							
(Depth(mm) : 310)							
(Width(mm) : 620)							
(Total Number of Bearing Piles : 7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles				8	8		
Greatest Height (m)		3.10					
Bracing/Struts/Sheathing				8	8		
Nose Plate				8	8		
Paint/Coating				8	8	Galv.	
(Colour Description :)							
(Colour Code :)							
Pier Stability				8	8		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	N	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	HWM not visible. Beaver dam in U/S channel.
Bank Stability		8	8	
HWM (m below Top of Curb)				
Drift (Y/N)	Yes			
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		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) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	56.6/56.6	Est. Repl. Yr	2064	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor girders u/s spot corrosion.		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	09-Aug-2007			
Inspection Cycle (Default) (months)	39						
Comment							