

Bridge Inspection											
Bridge File Number	76925 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1995/1995				Lot No.	2					
Bridge or Town Name	IMPERIAL MIL				Inspector Name	Arnold Assenheimer					
Located Over	PICHE RIVER, 8.11.55.9.6.2, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	881:20 C1 13.671				Assistant Name	Wade Nanninga					
Water Body Cl./Year					Assistant Class	BR CLS B					
Navigabil. Cl./Year					Inspection Date	10-Sep-2010					
Legal Land Location	SW SEC 28 TWP 69 RGE 12 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-111:46:30, 54:59:51				Data Entry Date	12-Oct-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Stew Hagan					
Contract Main. Area	CMA08				Review Date	20-Sep-2010					
Clear Roadway/Skew	10.8 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	1,290 / 2009 (A)				Dept. Review Date	14-Oct-2010					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	250										
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	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									

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone					Gas					
Power	1 line East r/w.				Municipal					
Others	Fibre optic East r/w.				Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curve at both ends with adequate sight distance. Rise to North.				
Vertical Alignment			6	6					
Roadway Width (m)			9.600		SE transition missing 2 bolts Accident damage @ NE - 2 posts.				
Approach Bump			8	8					
Guardrail (Y/N)			Yes						
Guardrail			4	4					
Length (m)			59.000						
Current Standard (Y/N)			No						
Termination Type			Turned Down						
Drainage			8	8					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 8-10-8, 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			5	5	(Narrow longitudinal cracks (3 lines) length of deck, small hole 20 x 50mm Southbound shoulder, girder top exposed.-12-Jun-2007) Grader removed 0.5m2 chipseal exposing overlay.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			7	7	
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Vertical narrow cracks @ 0.5m spacing. Minor abrasion damage. Surface scaling of broom finish.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
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			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	5	Narrow longitudinal crack on curb girders. Hairline longitudinal crack on both curb exterior fascia 280mm from bottom of girders, length of bridge. S2 G7 narrow med long crack along entire length.
Last Complete Inspection Date		10-Sep-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 30)					
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) : 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)	
Last					
Now					
Bearing Seats/Caps/Corbels				8	7
(Type : CONCRETE)					
(Depth(mm) : 600)					
(Width(mm) : 500)					
Backwalls/Breastwalls			7	N	
Greatest Height (m)		1.40			
Wingwalls			7	5	Scaling along top.
(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			5	5	Coating is cracking, no peeling.
Abutment Stability			7	7	
Scour/Erosion			4	4	Void under North abutment settlement of fill, 200mm.
Piers/Bents					
(Type : PIER-COLUMN)					
(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	6
(Type : CONCRETE)					
(Depth(mm) : 600)					
(Width(mm) : 500)					
Hairline cracks over each pile.					

Substructure							
Bridge Component			Last	Now	Explanation of Condition		
(Total Number of Bearing Piles : 8:8)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles			8	8			
Greatest Height (m)		4.00					
Bracing/Struts/Sheathing			8	8			
Nose Plate			X	X			
Paint/Coating			4	4	Superficial corrosion on lower portion of piles. Peeling of cap seal in isolated spots on piers. Galvanized piles.		
(Colour Description :)							
(Colour Code :)							
Pier Stability			8	8			
Scour			7	7			
Debris (Y/N)		No					
Substructure General Rating			7	6			
Structure Usage							
			Last	Now	Explanation of Condition		
Channel							
(U/S Direction : E)							
(D/S Direction : W)							
Alignment			8	8			
Bank Stability			8	8			
HWM (m below Top of Curb)				HWM not visible.			
Drift (Y/N)		No					
Slope Protection			8	4	Not high enough - 200m settlement @ N headslope.		
(Type : RIP RAP; RIP RAP)							
Guidebank/Spurs			X	X			
Adequacy of Opening			9	9			
(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 : NONE)							
Channel General Rating			8	4			

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	2010	2 broken GR posts					
OTHER ACTION	2010	Install missing approach transition connection bolts (4).					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/61.1	Sufficiency Rating (Last/Now) (%)	65.3/56.7	Est. Repl. Yr	2059	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor S2 G7		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	10-Dec-2013		Previous Inspection Date	12-Jun-2007			
Inspection Cycle (Default) (months)	39						
Comment							