

Bridge Inspection									
Bridge File Number	76458 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1987/1987				Lot No.	2			
Bridge or Town Name	FORT MACLEOD				Inspector Name	Garry Roberts			
Located Over	LNI - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	811:02 C1 6.364				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	19-Jan-2010			
Legal Land Location	SW SEC 36 TWP 9 RGE 26 W4M				Data Entry By	Erin Roberts			
Longitude, Latitude	-113:24:41, 49:46:26				Data Entry Date	16-Feb-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA26				Review Date	01-Feb-2010			
Clear Roadway/Skew	8.8 / -22 deg. (LHF)				Dept. Reviewer Name	Lorenz Bohnert			
AADT/Year	1,010 / 2008 (A)				Dept. Review Date	18-Feb-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> 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)	No								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	PEDESTAL W. DITCH- overhead east row				Gas				
Power	1 LINE (E/W) 25 M S.				Municipal				
Others	Waterline markers at all corners				Problem (Y/N)		No		
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		9	8	Canal access at 4 corners					
Vertical Alignment		7	8						
Roadway Width (m)		7.700							
Approach Bump		7	7						
Guardrail (Y/N)		Yes		Not thriebeam					
Guardrail		7	6						
Length (m)		8.000							
Current Standard (Y/N)		No							
Termination Type		ROUNDED OUT							
Drainage		7	7						
Approach Road General Rating		5	8						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 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	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			7	8	Appears recently paved
(Material Type : ACP)					
(Thickness (mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	paved over
Deck Rideability			7	8	
Deck Joints			N	N	ACP COVERED
Bump (Y/N)		No			
Deck Drainage			7	7	DRAINS TO SOUTH
Drains Clogged (Y/N)		No			
Curbs/Median			7	4	200x400 spall at NW corner
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	7	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	1	
Girders			7	3	typ. narrow HAIRLINE. CRACKS ON BOTTOMS OF ALL CURB & SOME INTERIOR UNITS 0.3 x 0.3 spall at Sp.2- G3 underside Spall at corner bearing area of Sp.2 - G8 curb
Last Complete Inspection Date		19-Jan-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 24)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	3	

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	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth (mm) :)						
(Width (mm) : 520)						
Backwalls/Breastwalls				X	N	Not visible behind precast
Greatest Height (m)		0.80				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				7	7	
Abutment Stability				8	8	
Scour/Erosion				8	8	
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	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth (mm) : 600)						
(Width (mm) : 500)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)		3.50				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				4	4	Minor corrosion of yellow paint
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	7	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)	2.3			waterline on slope protection
Drift (Y/N)	No			
Slope Protection		8	8	Cl. 1m rock
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
REPAIR/SEAL CURBS	2010	Patch curb spall 200x400					
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	2010	Patch Sp 2- G3 and Sp.2- G8 (0.2m2)					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/55.6	Sufficiency Rating (Last/Now) (%)	72.3/62.7	Est. Repl. Yr	2035	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	19-Apr-2013		Previous Inspection Date	05-Dec-2005			
Inspection Cycle (Default) (months)	39						
Comment							