

Bridge Inspection									
Bridge File Number	79531 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1976/1976				Lot No.	4			
Bridge or Town Name	DOROTHY				Inspector Name	Jason Saly			
Located Over	CIRCUS COULEE, 3.24, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	570:01 C1 12.361				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	26-Nov-2010			
Legal Land Location	NE SEC 4 TWP 27 RGE 17 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:19:35, 51:16:53				Data Entry Date	11-Jan-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA21				Review Date	12-Dec-2010			
Clear Roadway/Skew	7.6 /				Dept. Reviewer Name	Chris Black			
AADT/Year	450 / 2009 (A)				Dept. Review Date	11-Jan-2011			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	26								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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	Both sides R/W.				Gas				
Power	70m E & S R/W				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	7	Road allowance 100m W & 40m E. Local road access at E end of the bridge. (hamlet of Dorothy).				
Vertical Alignment			7	7					
Roadway Width (m)	10.000				Insufficient				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	6					
Length (m)	27.000								
Current Standard (Y/N)	No								
Termination Type	Turndown								
Drainage			7	N	Snow covered.				
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : VS, 1 Spans, Lengths(m): 10.7, A-Ident Number:)						
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	10.0	0.0	0.0	0.0		
Wearing Surface			7	7		
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			N	N	Paved Over	
Bump (Y/N)		No				
Deck Drainage			5	5	Deck drains do not extend below girders. Minor stains around drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			7	N	(Ends of curbs chipped (minor). 19Feb2010). Snow covered.	
(Curb Type : Standard)						
Scaling (Percent Area)		1				
Bridge Rail			7	7	Salvage rails. Double layer.	
(Type : STEEL FLEX BEAM)						
Bridge Rail Posts			8	7		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	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	0		
Girders			7	7	Several rust stains from connector pockets.	
Last Complete Inspection Date		26-Nov-2010				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 9)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			7	7		

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1500)							
(Total Number of Caps/Corbels : 1:1)				Cap & piles modified with angle brace & strut all 4 corners			
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			8			8	
(Type : STEEL)							
(Depth(mm) : 305)							
(Width(mm) : 305)							
Backwalls/Breastwalls			7			7	
Greatest Height (m)		3.50					
Wingwalls			7	7			
(Total Number of Bearing Piles : 7:7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Piles			8	8			
Paint/Coating			4	4			
Paint corroding at ground line							
Abutment Stability			7	7			
Scour/Erosion			7	7			
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels			X	X			
(Type :)							
(Depth(mm) :)							
(Width(mm) :)							
(Total Number of Bearing Piles :)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles			X	X			
Greatest Height (m)							
Bracing/Struts/Sheathing			X	X			
Nose Plate			X	X			
Paint/Coating			X	X			
(Colour Description :)							
(Colour Code :)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old piles in channel
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Also being used as a cattlepass.
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No HWM visible
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	

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) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	66.8/64.9	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	2005.03.08 Bridge should be good until 2020.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	26-Feb-2014		Previous Inspection Date	18-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							