

Bridge Inspection							
Bridge File Number	71718 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1963/1963			Lot No.	4		
Bridge or Town Name	ROSALIND			Inspector Name	Jason Saly		
Located Over	DRIEDMEAT CREEK, 5.40, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	854:02 C1 4.360			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	16-Jun-2010		
Legal Land Location	NW SEC 29 TWP 44 RGE 17 W4M			Data Entry By	Jill Potts		
Longitude, Latitude	-112:26:50, 52:49:28			Data Entry Date	02-Jul-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA16			Review Date	24-Jun-2010		
Clear Roadway/Skew	10.1 /			Dept. Reviewer Name	Chris Black		
AADT/Year	460 / 2009 (A)			Dept. Review Date	09-Jul-2010		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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	Mounted on flex base on top of last bridgerail post each corner.								
Other Sign Types									

Utilities (Located at)			
Utility Attachments			
Telephone	West side r/w.		Gas
Power			Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Oil lease road immediately to SE.
Vertical Alignment		7	7	
Roadway Width (m)	9.000			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			Insufficient length, insufficient posts.
Guardrail		7	6	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		7	6	
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 1 Spans, Lengths(m): 6.1, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>					
Wearing Surface			5	5	5 line longitudinal ACP cracks.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	X	Buffer angles, paved over.
Bump (Y/N)		No			
Deck Drainage			7	6	
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Minor plow damage at SW curb.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	5	Double layer. Missing splice bolts.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			3	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	12				
Girders			5	N	(Only East curb has wide longitudinal crack in AZ, West leg. 11/Feb/2009) Water levels too high.
Last Complete Inspection Date		11-Feb-2009			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>12</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	G.R. carried forward from 11/Feb/2009.

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : <b>N</b> )							
(Extended Backwall Piles Spacing(mm) : )							
(Total Number of Caps/Corbels : <b>7:7</b> )							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Double 100 x 305 TT planks sitting on abutment caps. Rating based on view from corners of bridge.	
<b>Last</b>	0	0	0	0			
<b>Now</b>							
Bearing Seats/Caps/Corbels				7	7		
(Type : <b>TREATED TIMBER</b> )							
(Depth(mm) : <b>305</b> )							
(Width(mm) : <b>305</b> )							
Backwalls/Breastwalls							
				4	4	South abutment breastwall is heaved and not attached to piles.	
Greatest Height (m)	3.50						
Wingwalls							
				5	5	All piles are anchored/strutted. Pile 1 at abutments in steel H-pile. Viewed piles from corners of bridge.	
(Total Number of Bearing Piles : <b>9:9</b> )							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>	0	0	0	0			
<b>Now</b>							
Piles				4	5		
Paint/Coating							
				X	X		
Abutment Stability							
				6	6		
Scour/Erosion							
				N	N	Not visible.	
<b>Piers/Bents</b>							
(Type : )							
(Total Number of Caps/Corbels : )							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
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)			
<b>Last</b>							
<b>Now</b>							
Pier Shaft/Piles				X	X		
Greatest Height (m)							
Bracing/Struts/Sheathing							
				3	5	Ends of some struts are rotten, some are banded. Strut installed @ West piles.	
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)	No			
<b>Substructure General Rating</b>		<b>4</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		9	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection (Type : )		6	N	Water to backwall.
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>67.1/68.9</b>	Est. Repl. Yr	2020	Maint. Req. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	With normal maintenance bridge should be ok until 2023. May need some pile repairs. RS						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	16-Sep-2013		Previous Inspection Date	11-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							