

Bridge Inspection									
Bridge File Number	07806 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1984/1984				Lot No.	4			
Bridge or Town Name	ROSEBUD				Inspector Name	Garry Roberts			
Located Over	ROSEBUD RIVER, 3.33, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	840:02 C1 30.703				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	10-Jan-2012			
Legal Land Location	NW SEC 7 TWP 27 RGE 21 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-112:56:49, 51:17:54				Data Entry Date	08-Feb-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA29				Review Date	18-Jan-2012			
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	620 / 2010 (A)				Dept. Review Date	09-Feb-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	16								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS300						----> 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	Hazard markers are off line 300mm with rail.								
Other Sign Types	Posted 30 km/hr curve.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone					Gas				
Power	1 wire 150m North.				Municipal				
Others	Fibre optics @ East r/w.				Problem (Y/N)	No			
Remarks									

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		4	5	Sharp bend immediately North of bridge and then crosses railroad. Numerous village intersections.	
Vertical Alignment		7	7		
Roadway Width (m)	9.000			One post installed @ all corners except SE - no flexbeam, posts only.	
Approach Bump		5	6		
Guardrail (Y/N)	No				
Guardrail		X	X		
Length (m)					
Current Standard (Y/N)					
Termination Type					
Drainage		5	6		
Approach Road General Rating		4	5		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 3 Spans, Lengths(m): 14-18-14, A-Ident Number: A0966-01)					
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	5	Isolated minor delams
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			X	N	
Deck Rideability			7	7	
Deck Joints			8	7	
Temperature (deg. C)		-3			
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
50		North abutment			
70		South abutment			
Deck Drainage			5	5	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Minor chip outside corners @ SE, NE & NW. Cracks with efflorescence @ curb underside @ exterior.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	4 post A/B nuts at West rail with less than full thread engaged
(Type : GALVANIZED STEEL TUBE BEAM TYPE 1)					
Bridge Rail Posts			8	4	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	
Flange			8	8	
Web			8	8	
Stiffeners			8	8	
Splice			8	8	
Weld			8	8	
Diaphragms/Cross Frame			8	8	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, Lengths(m): 14-18-14, A-Ident Number: A0966-01)				
Paint Condition		7	X	Weathering Steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	Only one expansion bearing and the others are fixed.
Temperature (deg. C)	-3			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL;PINNED BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	8	
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		X	N	Buried
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 4:4)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	
Nose Plate		8	X	
Paint/Coating		5	5	Minor corrosion @ bottom.
(Colour Description : YELLOW)				
(Colour Code : 13538)				
Pier Stability		9	8	
Scour		6	5	500mm deep x 1.0m wide x 8m long scour @ toe behind South pier - not causing problems.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	7	
Bank Stability		6	6	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		8	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/88.9	Sufficiency Rating (Last/Now) (%)	70.2/78.9	Est. Repl. Yr	2053	Maint. Req. (Y/N)	No
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	10-Apr-2015		Previous Inspection Date	28-Nov-2008			
Inspection Cycle (Default) (months)	39						
Comment							