

Bridge Inspection							
Bridge File Number	08719 -1 Bridge			Form Type	SG		
Year Built/Year Supstr	1954/1954			Lot No.	1		
Bridge or Town Name	ROSEDALE			Inspector Name	Owen Salava		
Located Over	ROSEBUD RIVER, 3.33, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	10:08 C1 6.884			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	01-Nov-2011		
Legal Land Location	NW SEC 21 TWP 28 RGE 19 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-112:37:45, 51:24:57			Data Entry Date	24-Nov-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA21			Review Date	13-Nov-2011		
Clear Roadway/Skew	8.5 / 45 deg. (RHF)			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	1,270 / 2011 (A)			Dept. Review Date	25-Nov-2011		
Road Classification	RAU-210-110			Follow-Up By			
Detour Length (km)	10						
Allowable Load (t):	Single	CS1 86 GIRDER	Semi	CS2 115 GIRDER	Train	CS3 152 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	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)	No							
Remarks	Not required.							
Other Sign Types								

Utilities (Located at)				
Utility Attachments	FIBRE OPTIC-Telus - Agreement on file			
Telephone	South curb.		Gas	
Power	3 wire 15m South of c/l, 3 wire West abutment, 3 wire 20m South.		Municipal	Light standard at NE & NW corners.
Others	Fibre optic buried in North ditch.		Problem (Y/N)	No
Remarks	Conduits attached to both rails.			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	7	Not attached to bridge, not standard 3 post. Sidewalk on North side. Wrong lap at NE & SW wing ends.
Vertical Alignment		7	7	
Roadway Width (m)	10.000			
Approach Bump		5	6	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		4	7	
Approach Road General Rating		6	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RB, 3 Spans, Lengths(m): 15.2-18.3-15.2, A-Ident Number: A0194-01;A0194-02;A0194-03)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Gravel along curbs.
Last	0	0	0	10	
Now	5.0	0.0	0.0	0.0	
Wearing Surface			3	5	Delaminated chipseal SBL, S3.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			5	6	
Deck Joints			4	4	(Leaking @ abut corners - photo. 01/11/07). 2 bolts sheared on P2 N sidewalk cover plate.
Temperature (deg. C)		-2			
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
64		A1 - West			
85		W. pier			
75		E. pier			
75		A2 - East			
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Medium scaling @ face & top. Wide crack @ NW & settled. Heavy scaling in curb underside. Spall @ SW S2 - photo.
(Curb Type : Standard)					
Scaling (Percent Area)		15			
Bridge Rail			6	7	Sealed at base of NW post.
(Type : GALVANIZED STEEL VERTICAL BAR)					
Bridge Rail Posts			5	6	
(Type : CONCRETE;CONCRETE)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			5	5	10% light scaling. Horizontal crack on fascia of sidewalk. No pedestrian rail from traffic.
Girder/Beam					
Cover Plate			X	X	Slight sag in girders.
Flange			6	6	
Web			7	7	
Stiffeners			X	X	
Splice			X	X	
Weld			7	7	
Diaphragms/Cross Frame			4	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 3 Spans, Lengths(m): 15.2-18.3-15.2, A-Ident Number: A0194-01;A0194-02;A0194-03)				
Paint Condition		5	6	Buildup of rust inbetween plates.
(Colour Description : BLUE)				
(Colour Code : 502-105;)				
Touchup Required (Y/N)	No			
Bearings		5	5	
Temperature (deg. C)	-2			
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		4	4	Honeycomb & exposed rebar @ 2 locations @ East span.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		3	3	Spall at NW extends under bearing corner - photo.
(Type : CONCRETE)				
Backwalls/Breastwalls		4	5	Heavy scaling @ West breastwall/seat. Medium scaling @ top. Medium vertical cracks both abutment breastwalls.
Wingwalls		4	5	Wingwalls separating from abutment, 30mm at top @ NE.
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		6	6	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				Minor spalling at South side of piers, not affecting pier structurally. Narrow vertical cracks in both piers.
Bearing Seats/Caps		5	6	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		6	X	
Nose Plate		6	7	
Paint/Coating		4	4	Rust on nose plate.
(Colour Description : BLUE)				
(Colour Code : 15182)				
Pier Stability		8	8	
Scour		6	6	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		3	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		4	6	Isolated vertical banks u/s.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		6	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	6	

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	2012	Paint bearings.					
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Patch NW abutment spall, 0.2m3, OH-V.					
OTHER ACTION	2012	Install pedestrian rail at sidewalk.					
OTHER ACTION	2012	Replace missing bolts in P2 sidewalk curb cover plate (2).					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	55.3/57.8	Est. Repl. Yr	2023	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	2004.02.01 Consultant assessment recommends major rehab in 2018, may widen at this time. Alternative to replace deck in 2008 with ACP & membrane.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Chris Black	Previous Assistant's Name	Wayne Cappellani				
Next Inspection Date	01-Aug-2013	Previous Inspection Date	28-Sep-2011				
Inspection Cycle (Default) (months)	21						
Comment							