

Bridge Inspection							
Bridge File Number	70817 -1 Bridge			Form Type	TH		
Year Built/Year Supstr	1951/1953			Lot No.	2		
Bridge or Town Name	ROSEDALE			Inspector Name	Jason Saly		
Located Over	ROSEBUD RIVER, 3.33, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	10X:02 C1 5.165			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	05-Mar-2013		
Legal Land Location	NE SEC 20 TWP 28 RGE 19 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-112:38:06, 51:24:54			Data Entry Date	28-Mar-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA21			Review Date	21-Mar-2013		
Clear Roadway/Skew	7.3 /			Dept. Reviewer Name	Chris Black		
AADT/Year	580 / 2011 (A)			Dept. Review Date	09-Apr-2013		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	5						
Allowable Load (t):	Single	H 28 STRINGER	Semi	HS 44 FLOOR BEAM	Train	CS3 74 STRINGER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)		Yes										
Posted:	Lane	NB	On Bridge (m)	5.8	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.8	In Advance (Y/N)	No
Remarks		(Bridge #1) N 5.940, 5.944; S 5.945, 5.953										
Required Load Posting (t)		Single				Semi		45		Truck Train		
Posted Loading (t)		Single		24.0		Semi		34.0		Truck Train		40.0
Posted:	Lane	NB	At Junction (Y/N)	Yes	In Advance (Y/N)		No	At Bridge (Y/N)		No		
Posted:	Lane	SB	At Junction (Y/N)	Yes	In Advance (Y/N)		No	At Bridge (Y/N)		Yes		
Remarks		Rating dictated by BF 70514.										

Hazard Marker At Bridge (Y/N)	Yes											
Remarks												
Other Sign Types		75% Axle Weight.										

Utilities (Located at)			
Utility Attachments			
Telephone	West of bridge pedestal @ NE.		Gas
Power	3 wire OH 15m west of c/l.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		4	4	Curve at south end. Hill at north end.
Vertical Alignment		5	5	
Roadway Width (m)	11.000			Incorrect connection at NW.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	15.300			Exiting bulb ends; not thrie beam; not attached to bridgerail; insufficient posts.
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		6	6	
Approach Road General Rating		4	4	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : TH, 1 Spans, Lengths(m): 61, A-Ident Number: A0205-03)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered in gutters.
Last	0	0	0	0	
Now	5.0	0.0	0.0	0.0	
Wearing Surface/Deck Top			6	6	Minor wear S end of deck.
(Material Type : EKKI WOOD)					
(Plank Thickness(mm) : 60)					
(Plank Width(mm) : 180)					
Deck Rideability			6	6	
Deck Joints			X	X	
Temperature (deg. C)		-5			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Curbs/Wheel Guards			6	6	Minor plow scrapes.
(Curb Type : Standard)					
(Type : TREATED TIMBER)					
(Thickness(mm) : 150)					
(Width(mm) : 300)					
Bridge Rail			4	5	H-iron posts & T-section blocking.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts/Blocking			5	5	Damaged post, twisted with tear at SE, section supports pedestrian rail only.
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type : PAINT)					
Sidewalk			7	7	

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : TH, 1 Spans, Lengths(m): 61, A-Ident Number: A0205-03)						
Wide Load Damage (Y/N)	Yes				Old wide load damage has been painted over. Minor localized bends and nicks throughout. (See UT 2011 for details. 13Jun2011). Strengthened two 6" channels per panel. Pack rust btwn lower brace angles. U7W, U9E & W, vertical legs cut out at connections. Sheared fasteners at SW & NE. Holes in floor beam, below stringers, flanges; original stringer connections, crown taken out for this site. 9/bay x 10 bays	
High Load Damage (Y/N)	No					
Top Chord			7	7		
Batter Posts			6	6		
Sway Bracings			6	6		
Diagonals			7	7		
Verticals			7	7		
Portals			7	7		
Connections			7	7		
Floor Beams			7	7		
Bottom Chord			7	7		
(No. of Stringers : 90)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers			7	7		
(Type : STEEL)						
(Width(mm) : 140)						
(Depth(mm) : 380)						
(Spacing(mm) : 853)						
Paint Condition			4	4	Rust starting to show through on bottom laterals, stringers & @ splash zone. Pack rust btwn angles of bottom braces.	
(Colour Description : GREEN)						
(Colour Code : 14090)						
Touchup Required (Y/N)	Yes					
Bearings			6	6	Pot bearing on top of neoprene. A2	
Temperature (deg. C)	-5					
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)						
(Fixed Type : DISC & DOME BEARING)						
Functioning (Y/N)	Yes					
Sub Deck/Deck Underside			7	7		
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 150)						
(Plank Width(mm) : 305)						
Defects (Percent Area)	0					
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rating			6	6		
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
(Total Number of Caps/Corbels : 9:9)						
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	7		
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls			6	5	Front sheathing installed. N backwall cap slightly rotated.	
Greatest Height (m)		2.50				
Wingwalls			7	7		
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	8	0	0	0		
Now	8	0	0	0		
Piles			8	8	A2 buried.	
Paint/Coating			6	5	Black paint. Some corrosion of caps & corbels.	
Abutment Stability			6	6	Slight rotation of N backwall cap.	
Scour/Erosion			5	5	Minor hslp erosion both abuts.	
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 :)						
(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 :)						
Pier Stability			X	X		
Scour			X	X		
Debris (Y/N)		No				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)		(Islands divert stream at bridge. At low flow. 10Mar2010). (S.B. to subdeck 6.4m).		
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		7	N	Snow covered.
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		7	7	Class I @ south. Class II & III @ north.
(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		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE	2020	Consider touch-up in splash zone next strip deck; treat pack rust with painting.					
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							
OTHER ACTION	2013	Upgrade to std, guardrail.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	48.9/48.9	Est. Repl. Yr	2040	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Truss ID plaque loose at NW bottom lateral gusset at LOW.		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	Ed Kowal		Previous Assistant's Name	Owen Salava			
Next Inspection Date	05-Dec-2014		Previous Inspection Date	13-Jun-2011			
Inspection Cycle (Default) (months)	21						
Comment							