

Bridge Inspection										
Bridge File Number	01632 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1976/1976				Lot No.	3				
Bridge or Town Name	PARADISE VAL				Inspector Name	Jason Saly				
Located Over	BATTLE RIVER, 5, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	897:02 C1 8.836				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	30-Nov-2012				
Legal Land Location	SW SEC 35 TWP 45 RGE 3 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-110:20:02, 52:55:04				Data Entry Date	14-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA15				Review Date	14-Dec-2012				
Clear Roadway/Skew	8.5 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	450 / 2011 (A)				Dept. Review Date	17-Jan-2013				
Road Classification	RCU-210-110				Follow-Up By					
Detour Length (km)	42									
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	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	Slight lean, too low - not too std.									
Other Sign Types	Curve signs; 85km/hr advisory; Narrow bridge; River ID									

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

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Curve 100m to the south limiting sight distance. Road winds down through wide valley. No passing.					
Vertical Alignment		6	6						
Roadway Width (m)	9.700			Not thrie beam.					
Approach Bump		7	7						
Guardrail (Y/N)	Yes								
Guardrail		7	7						
Length (m)	34.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage		7	N	Snow covered.					
Approach Road General Rating		5	5						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 3 Spans, Lengths(m): 21.3-25.6-21.3, A-Ident Number: A0160-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
Last	15					
Now	25.0	0.0	0.0	0.0		
Wearing Surface			X	6		
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 65)						
Deck Top			7	N	Small longitudinal cracks.	
Deck Rideability			7	7		
Deck Joints			7	7		
Temperature (deg. C)		-13				
(Expansion Type : FINGER PLATES)						
(Fixed Type : GLAND (SILICON SEAL))						
Gap Size (mm)		Gap Location				
73		South abut - A1				
77		North abut - A2				
Deck Drainage			4	5	New plumbing at S abut.	
Drains Clogged (Y/N)		No				
Curbs/Median			5	N	(Medium scaled 10%, light scaled 30%. 26Jan2010) - Snow covered.	
(Curb Type : Standard)						
Scaling (Percent Area)		33				
Bridge Rail			6	6		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			6	6		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			7	7		
Flange			7	7		
Web			7	7		
Stiffeners			7	7		
Splice			7	7		
Weld			7	7		
Diaphragms/Cross Frame			7	7		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RB, 3 Spans, Lengths(m): 21.3-25.6-21.3, A-Ident Number: A0160-01)					
Paint Condition		7	7	Red.	
(Colour Description :)					
(Colour Code :)					
Touchup Required (Y/N)	No				
Bearings		7	7		
Temperature (deg. C)	-13				
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)					
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		7	7		
Stains (Percent Area)	0				
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					
Bearing Seats/Caps		7	7		
(Type : CONCRETE)					
Backwalls/Breastwalls		7	7		
Wingwalls		7	7		
Piles		N	N	Buried.	
Paint/Coating		7	7		
Abutment Stability		8	8		
Scour/Erosion		7	7		
Piers/Bents					
(Type : PIER-SOLID)					
Bearing Seats/Caps		7	7		
(Type : CONCRETE)					
(Total Number of Bearing Piles : 0:0)					
Pier Shaft/Piles		5	5	Few wide vertical cracks in South pier.	
Bracing/Struts/Sheathing		X	X		
Nose Plate		7	6		
Paint/Coating		X	X		
(Colour Description :)					
(Colour Code :)					
Pier Stability		8	8		
Scour		7	N	Ice	
Debris (Y/N)	No			Old piles in channel.	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)		River meanders through wide valley cutting shallow banks on outside of curves. NW bank eroded affecting alignment.		
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		6	5	NW bank eroded.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	Very silty soil in area.
(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		6	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							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Re-attach HM to std height.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	59.9/59.3	Est. Repl. Yr	2038	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor NW bank erosion with photo from 6th post from NW.		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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	29-Feb-2016		Previous Inspection Date	26-Jan-2010			
Inspection Cycle (Default) (months)	39						
Comment							