

Bridge Inspection							
Bridge File Number	00710 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1963/1963			Lot No.	2		
Bridge or Town Name	RIMBEY			Inspector Name	Owen Salava		
Located Over	BLINDMAN RIVER, 3.78, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	53:04 C1 42.828			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	27-Nov-2012		
Legal Land Location	SE SEC 30 TWP 42 RGE 2 W5M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-114:15:59, 52:38:23			Data Entry Date	06-Dec-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA18			Review Date	03-Dec-2012		
Clear Roadway/Skew	9.1 / -30 deg. (LHF)			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	2,370 / 2011 (A)			Dept. Review Date	10-Dec-2012		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	7						
Allowable Load (t):	Single	CS1 48 GIRDER	Semi	CS2 55 GIRDER	Train	CS3 67 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	Information.							

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	Attached to South curb.		Gas
Power	3 wire North r/w bdry.		Municipal
Others			Problem (Y/N) No
Remarks	Telus conduit attached to South exterior girder.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Local road intersection 60m to the NW. Crest curve to the East with limited sight distance. No passing EB.
Vertical Alignment		6	6	
Roadway Width (m)	9.000			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			Insufficient length. Not thrie beam.
Guardrail		5	5	
Length (m)	39.000			
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		5	5	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 2 Spans, Lengths(m): 27.4-27.4, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	5	0	0	0	
Now	5.0	0.0	0.0	0.0	
Wearing Surface			7	6	Steel fibre concrete overlay with chipseal; wearing at jnts & spot locations.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			4	4	SE corner leaking, NW corner leaking; possibly from cover plates' insufficient curb coverage.
Temperature (deg. C)		-5			
(Expansion Type : ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
64		Pier			
70		E. abut			
73		W. abut			
Deck Drainage			7	7	Stains at backwall & abut seat.
Drains Clogged (Y/N)		No			
Curbs/Median			4	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			5	5	Minor bent verticals in 1st panel from West, North side - photo.
(Type : GALVANIZED STEEL VERTICAL BAR)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	10% of post AB has insufficient thread.
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 2 Spans, Lengths(m): 27.4-27.4, A-Ident Number:)				
Girders		6	6	Rust stained at West end of G1S1. Typical cracks at shoe plates, 50% of girders.
Cracking (Y/N)	Yes			
Spalling (Percent Area)	0			
(Number Of Girders : 10)				
Diaphragms/Cross Frame		6	6	
Bearings		7	7	Exterior bearings starting to rust.
Temperature (deg. C)	-5			
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
(Fixed Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
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		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	Staining on SE abut seat; could be snow melt.
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	Crack with efflorescence at A2.
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		5	5	
Piers/Bents				
(Type : PIER-SOLID)				Horizontal cracking & delam @ South side, SE face. 3 lines of wide vertical cracks.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Nose plate has superficial rust. Orange.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		5	5	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		5	5	
Bank Stability		5	5	Minor bank erosion D/S, East bank.
HWM (m below Top of Curb)				HWM not visible. Water has been over Hwy to West but bridge capacity good.
Drift (Y/N)	Yes			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(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	2013	Extend anchor bolts.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Paint pier nose plate.					
OTHER ACTION	2013	Extend cover plate at curb jnt locations.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	61.6/61.3	Est. Repl. Yr	2027	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	Chip seal by 2013. Replace 2045. RS						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	27-Aug-2014		Previous Inspection Date	11-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							