

Bridge Inspection									
Bridge File Number	13445 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1993/1993				Lot No.	2			
Bridge or Town Name	RIMBEY				Inspector Name	Owen Salava			
Located Over	MEDICINE RIVER, 3.88, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	53:04 C1 25.793				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-Nov-2012			
Legal Land Location	SW SEC 28 TWP 42 RGE 4 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-114:31:05, 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	04-Dec-2012			
Clear Roadway/Skew	9.2 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	890 / 2011 (A)				Dept. Review Date	10-Dec-2012			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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									
Other Sign Types	"Medicine River"								

Utilities (Located at)									
Utility Attachments									
Telephone	North ditch.				Gas				
Power	3 wires 25m South of c/l.				Municipal				
Others	Transmission powerline 40m East, 14 wire crossing Hwy.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Land access 30m NE, 120m SW.				
Vertical Alignment			6	6	Grade to the West with limited sight distance. No passing WB.				
Roadway Width (m)		9.000	Slight bump EB, West end. Approaches settled.						
Approach Bump			5	5					
Guardrail (Y/N)		Yes	Minor dents.						
Guardrail			4	5	Insufficient length and insufficient posts at corners. Not thrie beam.				
Length (m)		25.000							
Current Standard (Y/N)		No							
Termination Type		Turn Down							
Drainage			5	5					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 3 Spans, Lengths(m): 11.6-11.6-11.6, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	5	0	0	0	
<b>Now</b>	5.0	0.0	0.0	0.0	
Wearing Surface			5	5	(Asphalt is left 100mm from the South curb. 11Apr2011).
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over. Slight bump 15mm Eastbound lane West end.
Bump (Y/N)		Yes			
Deck Drainage			4	4	No drains. Erosion channel down West headslope - minor.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Typical vertical hairline curb cracks every est 100mm. S1 at SW corner is chipped at inside & outside corners. Map cracking on outside of N abut. Top & inside face snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			4	7	Double layer.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			6	6	(Grout failed at connector pockets. 11Apr2011).
Last Complete Inspection Date		27-Nov-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : <b>27</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>6</b>	<b>6</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>Y</b> )						
(Extended Backwall Piles Spacing(mm) : <b>1600</b> )						
(Total Number of Caps/Corbels : <b>3:3</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels			4	6	Stiffeners are not welded over piles. Welds to sub caps rusting. Drift pins on back face of caps/sub caps.	
(Type : <b>STEEL</b> )						
(Depth(mm) : <b>300</b> )						
(Width(mm) : <b>300</b> )						
Backwalls/Breastwalls						
Greatest Height (m)			2.40			
Wingwalls			4	4	Missing top 2 planks (1.5m) @ NE wingwalls. SW wingwall missing 1 plank.	
(Total Number of Bearing Piles : <b>8:8</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Piles			6	6		
Paint/Coating			X	X		
Abutment Stability			5	5	Piles are not anchored, ok.	
Scour/Erosion			6	6	Erosion channel from West backwall down headslope, minor.	
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels			4	6	Isolated rust stains.	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : )						
(Width(mm) : )						
(Total Number of Bearing Piles : <b>6:6</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles			7	7		
Greatest Height (m)			5.00			
Bracing/Struts/Sheathing			7	7		
Nose Plate			X	X		
Paint/Coating			4	4	Paint has failed at waterline and 5% other random locations. Yellow.	
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Drift at pier and at toe of West slope.
<b>Substructure General Rating</b>		<b>4</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	-1.0			HWM not visible.
Drift (Y/N)	Yes			Falling trees in river D/S West bank. Small amount of drift caught in bottom of West headslope. Old piles in SB.
Slope Protection (Type : <b>RIP RAP; RIP RAP</b> )		6	6	
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Grout connector & lift pockets, if not yet done.					
OVERLAY DECK							
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	2013	Remove drift.					
INSTALL STRUTS							
OTHER ACTION	2013	Paint piles.					
OTHER ACTION	2013	Install 3 - 1.5m planks at SW, NE wing walls.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>63.2/67.8</b>	Est. Repl. Yr	2030	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	No action for hslp erosion channel.		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	27-Aug-2014		Previous Inspection Date	11-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							