

Bridge Inspection													
Bridge File Number	74930 -1 Bridge					Form Type	TT						
Year Built/Year Supstr	1958/1958					Lot No.	3						
Bridge or Town Name	SIBBALD					Inspector Name	Owen Salava						
Located Over	TRAIL-ANIMAL, OVER SP					Inspector Class	BR CLS A						
Located On	9:14 C1 30.292					Assistant Name							
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date	03-Nov-2011						
Legal Land Location	NW SEC 11 TWP 28 RGE 1 W4M					Data Entry By	Marcia Chavez						
Longitude, Latitude	-110:02:39, 51:23:06					Data Entry Date	30-Nov-2011						
Road Authority	Alberta Transportation (AIT)					Reviewer Name	John O'Brien						
Contract Main. Area	CMA22					Review Date	14-Nov-2011						
Clear Roadway/Skew	11.6 /					Dept. Reviewer Name	Andrew Smikles						
AADT/Year	1,700 / 2010 (A)					Dept. Review Date	02-Dec-2011						
Road Classification	RAU-211.8-110					Follow-Up By							
Detour Length (km)	32												
Allowable Load (t):	Single			Semi		Train						---> On Critical Spans --->Critical Member	
Design Loading:											---> Primary Span		
Posting Information													
Required Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N)													
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)		In Advance (Y/N)		
Remarks													
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													
Telephone	South r/w.					Gas							
Power						Municipal							
Others						Problem (Y/N)	No						
Remarks													
Approach Road													
				Last	Now	Explanation of Condition							
Horizontal Alignment				8	8	4 transverse cracks in ACP over structure.							
Vertical Alignment				8	8								
Roadway Width (m)				11.600									
Approach Bump				8	8								
Guardrail (Y/N)				Yes		Incorrect lap @ NW corner. Missing 2 splice bolts North rail. Incorrect lap centre of N rail.							
Guardrail				4	4								
Length (m)				45.600									
Current Standard (Y/N)				No									
Termination Type				Turn Down									
Drainage				8	8								
Approach Road General Rating				8	8								

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>TP, 1 Spans, Lengths(m): 1.8, 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>						
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface/Deck Top				7	7	
(Material Type : <b>ACP</b> )						
(Plank Thickness(mm) : <b>25</b> )						
(Plank Width(mm) : )						
Deck Rideability				8	8	
Wheel Guards				6	6	
(Curb Type : )						
(Type : )						
(Thickness(mm) : <b>300</b> )						
(Width(mm) : <b>150</b> )						
Bridge Rail				X	X	
(Type : )						
Bridge Rail Posts				X	X	
(Type : )						
Bridge Rail/Posts Coating				X	X	
(Type : )						
(No. of Stringers : <b>12</b> )						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Some staining on underside of stringers however the barrel under the roadway is in good condition. Stringers are bowed but none are broken on bottom.	
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Stringers				6		6
(Type : <b>TREATED TIMBER</b> )						
(Width(mm) : <b>150</b> )						
(Depth(mm) : <b>350</b> )						
(Spacing(mm) : <b>150</b> )						
Sub Deck/Deck Underside				6	6	
(Material Type : <b>TREATED TIMBER</b> )						
(Plank Thickness(mm) : )						
(Plank Width(mm) : )						
Defects (Percent Area)						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>				6	6	
<b>Substructure</b>						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )				Timber, doubled. No piles but vertical cracks.		
(Extended Backwall Piles Spacing(mm) : )						

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
(Total Number of Caps/Corbels : 1:1)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				7	7		
(Type : TREATED TIMBER)							
(Depth(mm) : 350)							
(Width(mm) : 75)							
Backwalls/Breastwalls				5	5		Both backwalls bowed slightly.
Greatest Height (m)		2.10					
Wingwalls				4	4	Extension of backwalls. Top SE plank rot/split, others have signs of rot, minor.	
(Total Number of Bearing Piles : 12:12)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Piles				7	7		
Paint/Coating				X	X		
Abutment Stability				6	6		
Scour/Erosion				8	8		
<b>Piers/Bents</b>							
(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 : )							
(Depth(mm) : )							
(Width(mm) : )							
(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				7	7		Stringers act as struts @ pile locations, notched & set over piles.
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description : )							
(Colour Code : )							
Pier Stability				X	X		
Scour				X	X		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>7</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		8	8	Uncertain if structure is in use. Fences closed-off both sides.
Traffic Safety Features		X	X	
Type				
Slope Protection		8	8	
(Type : <b>NATURAL; NATURAL</b> )				
Bank Stability		8	8	
Drainage		8	8	
<b>Grade Separation General Rating</b>		<b>8</b>	<b>8</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
PATCH DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Install 2 missing splice bolts, ensure proper lap of flexbeam.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>72.2/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>57.8/55.5</b>	Est. Repl. Yr	2020	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Structure still sound though rot can be found at very ends.		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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	03-Aug-2013		Previous Inspection Date	12-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							