

Bridge Inspection										
Bridge File Number	74929 -1 Bridge				Form Type	TT				
Year Built/Year Supstr	1958/1958				Lot No.	2				
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 19.452				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	03-Nov-2011				
Legal Land Location	SE SEC 15 TWP 28 RGE 2 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-110:11:51, 51:23:36				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	10.8 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	1,720 / 2010 (A)				Dept. Review Date	02-Dec-2011				
Road Classification	RAU-210-110				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	Not required.								
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									
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	Grade to the East.				
Vertical Alignment			8	8					
Roadway Width (m)	10.800				Transverse cracks in ACP both sides of structure.				
Approach Bump			8	8					
Guardrail (Y/N)	Yes				Some bent sections, minor.				
Guardrail			4	4	Too high. SW turn down incorrect lap and at center North side. 1 broken post at S rail.				
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 : TP, 1 Spans, Lengths(m): 1.8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface/Deck Top				7	7
(Material Type : ACP)					
(Plank Thickness(mm) : 50)					
(Plank Width(mm) :)					
Deck Rideability				8	8
Wheel Guards				5	5
Headwall. 300 x (150 x 2).					
(Curb Type :)					
(Type :)					
(Thickness(mm) :)					
(Width(mm) :)					
Bridge Rail				X	X
(Type :)					
Bridge Rail Posts				X	X
(Type :)					
Bridge Rail/Posts Coating				X	X
(Type :)					
(No. of Stringers : 12)				Minor stains underside of stringers. Laminated.	
Stringer Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Stringers				7	7
(Type : TREATED TIMBER)					
(Width(mm) : 150)					
(Depth(mm) : 305)					
(Spacing(mm) : 150)					
Sub Deck/Deck Underside				6	6
(Material Type : TREATED TIMBER)					
(Plank Thickness(mm) : 100)					
(Plank Width(mm) :)					
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) : N)					
(Extended Backwall Piles Spacing(mm) :)					

Substructure								
Bridge Component		Last	Now	Explanation of Condition				
(Total Number of Caps/Corbels : 1:1)				Double 75 x 300 on end.				
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now	0	0	0				0	
Bearing Seats/Caps/Corbels			6				6	
(Type : TREATED TIMBER)								
(Depth(mm) : 300)								
(Width(mm) : 75)								
Backwalls/Breastwalls			6				6	
Greatest Height (m)		2.15						
Wingwalls			5	5	Signs of rot on top planks @ SE. Notched to accommodate cap & sheathing.			
(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			8				8	
Scour/Erosion			8				8	
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 :)								
(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			4	3	150 x 305 stringers act as struts, notched out and placed at pile locations. 2 bottom struts remaining. Floor may need to be backfilled if bottom strut removed to accommodate cattle.			
Nose Plate			X	X				
Paint/Coating			X	X				
(Colour Description :)								
(Colour Code :)								
Pier Stability			X	X				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Traffic Safety Features		X	X	
Type				
Slope Protection		8	8	
(Type : NATURAL; NATURAL)				
Bank Stability		8	8	
Drainage		8	8	
Grade Separation General Rating		8	8	

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 10 bottom struts; backfill to above lower strut.								
OTHER ACTION	2012	Re-install guardrail with proper lap.								
OTHER ACTION	2012	Replace 1 broken guardrail post.								
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	56.1/56.1	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes			
Special Comments for Next Inspection			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										

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 10 bottom struts; backfill to above lower strut.	Programmed	2013		
OTHER ACTION	2012	Re-install guardrail with proper lap.	Programmed	2013		
OTHER ACTION	2012	Replace 1 broken guardrail post.	Programmed	2013		
OTHER ACTION						
OTHER ACTION						

Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	56.1/56.1	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
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Special Comments for Next Inspection		Department Comments	Before sending out BMA for maintenance to be completed, investigate current use of this cattlepass.
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Maintenance Reviewed By	Andrew Smikles	Date	30-Oct-2012	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	
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