

Bridge Inspection										
Bridge File Number	81085 -1 Bridge				Form Type	TT				
Year Built/Year Supstr	1958/1958				Lot No.	4				
Bridge or Town Name	CARBON				Inspector Name	Owen Salava				
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS A				
Located On	21:14 C1 7.797				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	17-Sep-2012				
Legal Land Location	NW SEC 6 TWP 29 RGE 23 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:14:10, 51:27:25				Data Entry Date	03-Oct-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA20				Review Date	27-Sep-2012				
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	1,840 / 2011 (A)				Dept. Review Date	16-Oct-2012				
Road Classification	RAU-211.8-110				Follow-Up By					
Detour Length (km)	6									
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)		No											
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No	
Remarks		Not required											
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)		No											
Remarks		Not required.											
Other Sign Types													

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	East Row, 3 wire o/h.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road				
		<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>
Horizontal Alignment		8	8	Approaches 20m N, both sides. Hill both sides - limited sight distance; no passing NBL. 50m N of 74864. Height of cover 1.0m.
Vertical Alignment		6	6	
Roadway Width (m)	11.100			
Approach Bump		7	7	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type	None			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure								
Bridge Component		Last	Now	Explanation of Condition				
(Primary Span : TP, 1 Spans, Lengths(m): 1.9, A-Ident Number: )								
<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>	100	0	0	0				
<b>Now</b>	100.0	0.0	0.0	0.0				
Wearing Surface/Deck Top			N	N	Asphalt and base course to 1m.			
(Material Type : <b>ACP</b> )								
(Plank Thickness(mm) : <b>50</b> )								
(Plank Width(mm) : )								
Deck Rideability			8	8				
Wheel Guards			X	X				
(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 : <b>Null</b> )			Stringers are deck underside.					
Stringer Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
<b>Last</b>	0	0	0	0				
<b>Now</b>	0	0	0	0				
Stringers			6	6				
(Type : <b>TREATED TIMBER</b> )								
(Width(mm) : <b>100</b> )								
(Depth(mm) : )								
(Spacing(mm) : <b>100</b> )								
Sub Deck/Deck Underside			X	6				
(Material Type : <b>TREATED TIMBER</b> )								
(Plank Thickness(mm) : <b>100</b> )								
(Plank Width(mm) : )								
Defects (Percent Area)		0						
<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>N</b> )				Notched at ends.				
(Extended Backwall Piles Spacing(mm) : )								

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>(Total Number of Caps/Corbels : 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			6	6	
(Type : <b>TREATED TIMBER</b> )					
(Depth(mm) : <b>300</b> )					
(Width(mm) : <b>75</b> )					
Backwalls/Breastwalls			5	5	
Greatest Height (m)		2.30			
Wingwalls			4	4	
Cracked support @ SW wing (photo), minor.					
<b>(Total Number of Bearing Piles : 15:15)</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	
East half leans 70 mm in 2m rise to north - measured on piles. Both sides leaning North slightly.					
Scour/Erosion			6	6	
<b>Piers/Bents</b>					
(Type : )					
<b>(Total Number of Caps/Corbels : )</b>					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Bearing Seats/Caps/Corbels			X	X	
(Type : )					
(Depth(mm) : )					
(Width(mm) : )					
<b>(Total Number of Bearing Piles : )</b>					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Pier Shaft/Piles			X	X	
Greatest Height (m)					
Bracing/Struts/Sheathing			6	6	
Struts at top and bottom of piles. Notched stringers act as strut at top.					
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)	Yes			Fence post & old timber at E opening.
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		5	5	Dirt road surface up to 220 mm lower than floor struts. Ends are approx 0.7m higher than floor in barrel.
Traffic Safety Features		X	X	
Type	NONE			
Slope Protection		6	6	
(Type : <b>NATURAL; NATURAL</b> )				
Bank Stability		6	6	
Drainage		5	5	
<b>Grade Separation 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							
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>52.7/52.7</b>	Est. Repl. Yr	2020	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Structure is not in use; guide fencing down, consider abandoning.		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)	N						
Proposed Action	2006.10.24 Have executed Cattlepass removal form. Structure can be put on list to be removed.						
Previous Inspector's Name	Dave Lam		Previous Assistant's Name				
Next Inspection Date	17-Jun-2014		Previous Inspection Date	11-Nov-2010			
Inspection Cycle (Default) (months)	21						
Comment							