

Bridge Inspection									
Bridge File Number	80466 -1 Bridge					Form Type	TT		
Year Built/Year Supstr	1910/1910					Lot No.	4		
Bridge or Town Name	BONITA					Inspector Name	Garry Roberts		
Located Over	TRAIL-ANIMAL, OVER SP					Inspector Class	BR CLS A		
Located On	62:02 C1 20.240					Assistant Name			
Water Body Cl./Year						Assistant Class			
Navigabil. Cl./Year						Inspection Date	20-Jan-2010		
Legal Land Location	NE SEC 31 TWP 2 RGE 21 W4M					Data Entry By	Kelsey Roberts		
Longitude, Latitude	-112:47:54, 49:10:04					Data Entry Date	20-Feb-2010		
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey		
Contract Main. Area	CMA25					Review Date	01-Feb-2010		
Clear Roadway/Skew	9.8 /					Dept. Reviewer Name	Lorenz Bohnert		
AADT/Year	330 / 2008 (A)					Dept. Review Date	02-Mar-2010		
Road Classification	RAU-209-110					Follow-Up By			
Detour Length (km)	28								
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)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks	Not req.											
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 req.											

Hazard Marker At Bridge (Y/N)	No										
Remarks											
Other Sign Types											

Utilities (Located at)									
Utility Attachments									
Telephone	WEST DITCH					Gas	60m N		
Power	3 WIRE E ROW, 3 W & AT 50m S					Municipal			
Others						Problem (Y/N)	No		
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curve to south.
Vertical Alignment		5	6	Hill to south - poor sight distance. Located at Colony.
Roadway Width (m)	9.800			
Approach Bump		8	7	
Guardrail (Y/N)	Yes			
Guardrail		5	6	
Length (m)	38.000			
Current Standard (Y/N)	Yes			
Termination Type	TURNED DOWN			
Drainage		7	7	1.1 m COVER

Approach Road							
		Last	Now	Explanation of Condition			
Approach Road General Rating		5	6				
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	90% snow covered- not accessible.			
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
Last	0	0	0	0			
Now	0.0	0.0	0.0	0.0			
Wearing Surface/Deck Top		7	6				
(Material Type : ACP)							
(Plank Thickness (mm) : 50)							
(Plank Width (mm) :)							
Deck Rideability		8	7				
Wheel Guards		X	X	(MISSING WEST HEADWALL PLANK 0.140 x 305 x 2.15 m) Jan. 16/09			
(Curb Type :)							
(Type :)							
(Thickness (mm) :)							
(Width (mm) :)							
Bridge Rail		X	X	Guardrail over structure			
(Type :)							
Bridge Rail Posts		X	X				
(Type :)							
Bridge Rail/Posts Coating		X	X				
(Type :)							
(No. of Stringers : 90)				(One member failed E. end (rest rate 6) 2.4 m FROM END @ GUARDRAIL LOCATION Damage most likely cause when the guardrail post was installed) Jan.16/09			
Stringer Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last							
Now	1	0	0	0			
Stringers		4	N	Box Not accessible.			
(Type : TREATED TIMBER)							
(Width (mm) : 140)							
(Depth (mm) : 150)							
(Spacing (mm) : 140)							
Sub Deck/Deck Underside		X	N				
(Material Type : TREATED TIMBER)							
(Plank Thickness (mm) :)							
(Plank Width (mm) :)							
Defects (Percent Area)							
Span Alignment Problems							
Vertical (Y/N)		No					
Horizontal (Y/N)		No					
Superstructure General Rating		4	4	Carried over			

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing (mm) :)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	1	0	0	0	
Bearing Seats/Caps/Corbels				7	N
(Type : TREATED TIMBER)					
(Depth (mm) : 300)					
(Width (mm) : 75)					
Backwalls/Breastwalls				7	N
Greatest Height (m)		2.00			
Wingwalls				6	N
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	1	0	0	0	
Piles				7	N
Paint/Coating				X	X
Abutment Stability				7	N
Scour/Erosion				8	N
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				X	X
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		7	7	Carried over
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	X	Cattlepass - not in use - no connector fence to west. Wooden gate W. end.
Traffic Safety Features		X	X	
Type				
Slope Protection		N	N	snow covered
(Type :)				
Bank Stability		N	N	Snow covered
Drainage		7	N	
Grade Separation General Rating		7	7	Carried over

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							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	57.7/57.7	Est. Repl. Yr	2020	Maint. Req. (Y/N)	No
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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	20-Oct-2011		Previous Inspection Date	16-Jan-2009			
Inspection Cycle (Default) (months)	21						
Comment							