

Bridge Inspection										
Bridge File Number	79740 -1 Bridge				Form Type	SS TT				
Year Built/Year Supstr	1982/1982				Lot No.	4				
Bridge or Town Name	GALATEA CK TRAIL				Inspector Name	Garry Roberts				
Located Over	KANANASKIS RIVER, 2.13.56, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	TRAIL-PED, ON 50000 FB				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	06-Dec-2011				
Legal Land Location	SW SEC 15 TWP 22 RGE 9 W5M				Data Entry By	Erin Roberts				
Longitude, Latitude	-115:10:41, 50:51:47				Data Entry Date	29-Jan-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	UNDEFINED CMA				Review Date	21-Dec-2011				
Clear Roadway/Skew	0.9 /				Dept. Reviewer Name	Tim Davies				
AADT/Year					Dept. Review Date	06-Feb-2012				
Road Classification					Follow-Up By					
Detour Length (km)	999									
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	Not required.									
Hazard Marker At Bridge (Y/N)	No									
Remarks	Not required.									
Other Sign Types	Danger - river levels subject to sudden changes.									

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		6	5	Pedestrian bridge on Galatea Trail 500m from parking lot.					
Vertical Alignment		5	5						
Roadway Width (m)		1.000							
Approach Bump		5	5						
Guardrail (Y/N)		No							
Guardrail		X	X						
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage		8	7						
Approach Road General Rating		5	5						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SSS, 4 Spans, Lengths(m): 1.8-35.1-1.8-1.8, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface				8	7
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)					
(Thickness(mm) : 70)					
Deck Top			7	7	
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			8	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : BRIDGE SOLID BEAM (EX. TIMBER RAILS))					
Bridge Rail Posts			5	5	
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			5	5	
(Type : PAINT)					
Sidewalk			X	X	
Top Chord			7	7	
Diagonals			X	X	
Verticals			7	7	
Connections			7	7	
Floor Beams			7	7	
Bottom Chord			X	7	
Stringers			X	X	
Girders			X	X	
Diaphragms/Cross Frame			X	X	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SSS, 4 Spans, Lengths(m): 1.8-35.1-1.8-1.8, A-Ident Number:)					
Paint Condition		X	X		
(Colour Description :)					
(Colour Code :)					
Touchup Required (Y/N)	No				
Bearings		7	7	Deck bearing is timber on 150 x 150 timber cap and cable bearing @ top of tower	
Temperature (deg. C)	-9				
(Expansion Type :)					
(Fixed Type : PINNED BEARING)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		7	7	CCA Timber 150x200 Floor Beams	
Stains (Percent Area)	5				
(Snow Slots Filled :)					
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		7	7		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : TT)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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	3 row @ 300 x 1 @ 250	
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)					
(Plank Thickness(mm) : 70)					
(Plank Width(mm) : 305)					
Deck Rideability		7	7	2x6 wheelguard.	
Wheel Guards		5	5		
(Curb Type : Standard)					
(Type : UNTREATED TIMBER)					
(Thickness(mm) : 50)					
(Width(mm) : 150)					
Bridge Rail		7	7		
(Type : BRIDGE SOLID BEAM (EX. TIMBER RAILS))					
Bridge Rail Posts		7	7		
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating		5	5		
(Type : PAINT)					

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Secondary Span : TT)						
(No. of Stringers : Null;Null;Null)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers				X	X	
(Type : TREATED TIMBER)						
(Width(mm) :)						
(Depth(mm) :)						
(Spacing(mm) :)						
Sub Deck/Deck Underside				X	X	Stringers, deck & Subdeck is all just deck planks
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 100)						
(Plank Width(mm) : 305)						
Defects (Percent Area)		0				
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				7	7	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/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	0	0	0	0		
Bearing Seats/Caps/Corbels				5	5	
(Type : TREATED TIMBER;UNTREATED TIMBER)						
(Depth(mm) : 150)						
(Width(mm) : 150)						
Backwalls/Breastwalls				7	5	Rock breastwall @ abutments.
Greatest Height (m)		0.70				
Wingwalls				X	X	
(Total Number of Bearing Piles : 2:0)				Only 2 150x150 timber piles visible @ west		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	2					
Now	2	0	0	0		
Piles				N	5	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				7	7	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Piers/Bents						
(Type : PIER-SOLID;PIER-COLUMN)		Towers @ concrete footing / pier 1.8m span from footing to abutment @ West.				
(Total Number of Caps/Corbels : : :)		2 - 1.8m spans with 150mm square bent @ East.				
Bearing Seats/Caps/Corbels Detail Ratings		Surface rot at East pier bent - no distortion of cap 150x150 timber on top of concrete towers				
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				4	4	
(Type : CONCRETE;TREATED TIMBER)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 2:2:2)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	0	0	0	0		
Pier Shaft/Piles				7	5	
Greatest Height (m)		7.00				
Bracing/Struts/Sheathing				X	6	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				7	6	
Scour				7	7	
Debris (Y/N)		No				
Substructure General Rating				4	4	
Structure Usage						
		Last	Now	Explanation of Condition		
Channel						
(U/S Direction : S)						
(D/S Direction : N)						
Alignment		7	7			
Bank Stability		7	7			
HWM (m below Top of Curb)				HWM not visible.		
Drift (Y/N)		No				
Slope Protection		5	5			
(Type : RIP RAP; RIP RAP)						
Guidebank/Spurs		X	X			
Adequacy of Opening		8	7			
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating		7	7			

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
REPLACE STRIP DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
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							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	78.0/78.0	Est. Repl. Yr	2025	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	06-Sep-2016		Previous Inspection Date	22-Oct-2008			
Inspection Cycle (Default) (months)	57						

Comment	
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