

Bridge Inspection									
Bridge File Number	70252 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1993/1993				Lot No.	2			
Bridge or Town Name	CANYON CREEK				Inspector Name	Wade Nanninga			
Located Over	ASSINEAU RIVER, 8.11.80.38, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:48 C1 30.286				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-Mar-2013			
Legal Land Location	SW SEC 29 TWP 73 RGE 8 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:11:47, 55:20:43				Data Entry Date	16-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA06				Review Date	11-Apr-2013			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	3,030 / 2012 (A)				Dept. Review Date	23-Apr-2013			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	250								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> Primary Span		

Posting Information									
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	"Assineau River"								

Utilities (Located at)									
Utility Attachments									
Telephone	Attached to outside of South curb.				Gas				
Power	6 wires North r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Crest curve limiting sight distance both directions. No passing EB.				
Vertical Alignment			7	7					
Roadway Width (m)		10.400			Transition zone is missing blocking. Insufficient posts & length.				
Approach Bump			7	7					
Guardrail (Y/N)		Yes							
Guardrail			4	6					
Length (m)		30.400							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 3 Spans, Lengths(m): 9.1-12.2-9.1, A-Ident Number:)					
Special Features					
Special Feature			X	Parapet Walls. Scaling NW partially disintegrated at abutment. Left from previous structure, serves little purpose.	
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			5	4	Potholes over piers WBL.-photo (0.4mx0.2)
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			4	4	Leakage at joints staining substructure.
Drains Clogged (Y/N)					
Curbs/Median			6	N	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			4	4	Base of posts have been shimmed, no grout pads. Minor collision damage on rail@ SE & NW corners.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			5	5	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	5	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Girders			5	5	Water and minor rust stains between curbs and first interiors. Typical hairline longitudinal cracking on exterior girders at mid height fascia. Rust stains from connector pockets. Spall @ outside face of curb @ S2G10.
Last Complete Inspection Date		09-Jun-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 30)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

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)		Precast shimmed with 100 x 300mm TT plank. West abutment has intermittent delam crack over 3.0m with rust and leaching stains, scaling - photos. Abutment stained from leaking joint above.	
Last	0	0	0	0			
Now							
Bearing Seats/Caps/Corbels				4	4		
(Type : CONCRETE)							
(Depth(mm) :)							
(Width(mm) :)							
Backwalls/Breastwalls				X	X		
Greatest Height (m)		1.20					
Wingwalls				X	X		
(Total Number of Bearing Piles : 0:0)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	99	0	0	0			
Now	99						
Piles				N	N		
Paint/Coating				X	X		
Abutment Stability				6	6		
Scour/Erosion				4	4		
400mm x 300mm deep hole under E. abutment.-09-Jun-2011 Separated gabion baskets @ W. toe.							
Piers/Bents							
(Type : PIER-COLUMN)							
(Total Number of Caps/Corbels : 1:1)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		100 x 300 TT shim split @ South end P2.(photo) Both pier caps have wide to med. delam. cracks with corrosion staining (photos)	
Last	0	0	0	0			
Now							
Bearing Seats/Caps/Corbels				4	4		
(Type : CONCRETE)							
(Depth(mm) : 800)							
(Width(mm) : 600)							
(Total Number of Bearing Piles : 10:10)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now							
Pier Shaft/Piles				5	5		
Greatest Height (m)		4.70					
Bracing/Struts/Sheathing				7	7		
Nose Plate				X	X		
Paint/Coating				4	4	Pier columns corrosion staining. Blue.	
(Colour Description :)							
(Colour Code :)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		5	5	
Scour		7	N	
Debris (Y/N)	Yes			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				The river swings to the west just before entering bridge into old eroded bank area. This corner is well riprapped.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		5	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		4	4	A few gabions have been torn on West headslope. 6m long section of gabion mattress is separating @ west headslope (photo). Gabion rock appears to have washed out of 1 row of mattress at toe of west headslope (photo).
(Type : GABION; GABION)				
Guidebank/Spurs		6	N	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Grout post bases.					
SEAL CURBS							
PATCH DECK	2013	Potholes over pier joint.					
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2013	Repair gabion mattress, fill void @ E. abutment					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
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Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	49.2/49.2	Est. Repl. Yr	2022	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor split TT shim and cracking of pier caps/abutment.		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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	27-Dec-2014		Previous Inspection Date	09-Jun-2011			
Inspection Cycle (Default) (months)	21						
Comment							