

Bridge Inspection									
Bridge File Number	77486 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1974/1974				Lot No.	4			
Bridge or Town Name	KANANASKIS				Inspector Name	Garry Roberts			
Located Over	EVAN-THOMAS CREEK, 2.13.56.12, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	40:12 C1 22.206				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Apr-2013			
Legal Land Location	NE SEC 23 TWP 22 RGE 9 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-115:08:12, 50:53:27				Data Entry Date	11-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	10-Apr-2013			
Clear Roadway/Skew	11 / -15 deg. (LHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,690 / 2012 (A)				Dept. Review Date	06-May-2013			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> Primary Span		
Posting Information									
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)	Yes								
Remarks									
Other Sign Types	Curve signs, River I.D								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-Telus Fibre Optic installed in 2005 to west curb fascia.								
Telephone	West r/w.				Gas				
Power					Municipal				
Others	Conduits at West exterior girder.				Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curve on North end.				
Vertical Alignment			7	7					
Roadway Width (m)	12.500								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Missing 8 splice bolts at SW, 8 at NE, 11 at NW and 3 at SE.				
Guardrail			4	4	Not thriebeam.				
Length (m)	34.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : VF, 1 Spans, Lengths(m): 29, A-Ident Number:)						
Special Features						
Special Feature			7	Under slung beams.		
(Type : UNDERSLUNG DIAPHR)						
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			6	6	Widespread random & longitudinal cracks- medium width epoxy filled.	
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			6	6	2 plow guards broken at S/B lane at South abut- does not affect plows.	
Temperature (deg. C)		9				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
65		S. abut				
73		N. abut				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			6	5	Minor grader scrapes. 1 minor spall at East post exterior.	
(Curb Type : Standard)						
Scaling (Percent Area)		2				
Bridge Rail			7	7	17 at West, 9 at East with 2/3 of nut - not fully engaged. Corrosion at base plates. Galvacon touch up @ pedestrian rail.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts		4	4			
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating		4	4			
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders			5	5	Girder end blocks - 0.3 to 0.5 mm wide x 500 mm long. 0.4 mm shear crack at South end East fascia. Corrosion stain at South end of girder #1 in web. Typical VF type cracks at webs & chamfer up to 0.8 mm wide - marked & dated @ several girders. No change in length. 1 point increase for under slung beams.	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 8)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : VF, 1 Spans, Lengths(m): 29, A-Ident Number:)				
Diaphragms/Cross Frame		5	5	0.5 mm wide vertical and horizontal cracks in 50% of diaphragms.
Bearings		7	7	
Temperature (deg. C)	9			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Corrosion stains @ weep drains.
Stains (Percent Area)	0			
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				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				Pedestrian bridge D/S.
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		6	5	Steep cut @ South - rocky soil 100m U/S.
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		7	7	Class 2 & 3 on spurs @ toe.
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		7	7	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	62.8/62.6	Est. Repl. Yr	2031	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	01-Jan-2015		Previous Inspection Date	25-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							