

Bridge Inspection									
Bridge File Number	00277 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1975/1975				Lot No.	3			
Bridge or Town Name	CARBON				Inspector Name	Owen Salava			
Located Over	KNEEHILLS CREEK, 3.46, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	836:02 C1 10.819				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	11-May-2011			
Legal Land Location	NW SEC 14 TWP 29 RGE 23 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:08:22, 51:28:59				Data Entry Date	19-May-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA21				Review Date	16-May-2011			
Clear Roadway/Skew	9.8 /				Dept. Reviewer Name	Chris Black			
AADT/Year	470 / 2010 (A)				Dept. Review Date	19-May-2011			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	2								
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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	250mm offline & 300mm too low - are not required for width. W knocked down.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	West r/w.				Gas				
Power	50.0 m North of bridge & 50 m				Municipal				
Others	East of c/l-3 wire OH.				Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Curves at both ends. Road winds down to flat valley. Superelevated. LR int. 75 m N.					
Vertical Alignment		5	5						
Roadway Width (m)	9.800								
Approach Bump			9	9					
Guardrail (Y/N)	Yes								
Guardrail			9	9					
Length (m)	17.600								
Current Standard (Y/N)	Yes								
Termination Type	TURNDOWN								
Drainage			5	5					
Approach Road General Rating		5		5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 3 Spans, Lengths(m): 15.2-15.2-15.2, A-Ident Number:)					
Special Features					
Special Feature			X	Trees overhanging bridge @ SE.	
(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			8	8	
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			9	9	
Deck Joints			9	9	
Temperature (deg. C)		22			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
62		S. abut			
66		S. pier			
65		N. pier			
67		N. abut			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No		No drains.	
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		1		Narrow-med. vertical cracking on curb exterior @ 1.2m spacing - 1 now sealed. Scaling @ approach curbs.	
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(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			6	6	
Cracking (Y/N)		Yes		Cracks following jnt cast in place blockout on fascia.	
Spalling (Percent Area)		0			
(Number Of Girders : 27)					
Diaphragms/Cross Frame			X	X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 3 Spans, Lengths(m): 15.2-15.2-15.2, A-Ident Number:)				
Bearings		7	7	
Temperature (deg. C)	22			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	S2G7-9 stained, not active.
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		6	6	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	Silver.
Paint/Coating		7	7	
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		6	6	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)		Creek meanders with defined banks through wide valley. Creek still cuts into banks occassionally.		
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		6	6	
HWM (m below Top of Curb)	5.0			
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; RIP RAP; NATURAL; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	7	

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	2011	Cut down trees @ SE.					
OTHER ACTION	2011	Install W HMs					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	69.9/71.2	Est. Repl. Yr	2039	Maint. Req. (Y/N)	Yes
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	11-Aug-2014		Previous Inspection Date	31-Jul-2008			
Inspection Cycle (Default) (months)	39						
Comment							