

Bridge Inspection							
Bridge File Number	13907 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1958/1958			Lot No.	2		
Bridge or Town Name	CHERHILL			Inspector Name	Melanie Johnson		
Located Over	COYOTE CREEK, 8.11.84.40, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	764:02 C1 5.954			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	27-Aug-2011		
Legal Land Location	NW SEC 27 TWP 56 RGE 5 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-114:40:17, 53:52:25			Data Entry Date	12-Sep-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA12			Review Date	07-Sep-2011		
Clear Roadway/Skew	7.3 /			Dept. Reviewer Name	Brent Herrick		
AADT/Year	390 / 2010 (A)			Dept. Review Date	15-Sep-2011		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	29						
Allowable Load (t):	Single	CS1 29 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 74 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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	South end markers not at correct location on approach posts. SE hazard marker leaning.						
Other Sign Types							

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	In conduit West curb.		Gas 50m South.
Power	5 wire high line East r/w. 1 OH wire crossing Hwy 40m North.		Municipal Problem (Y/N) Yes
Others	Stream guage NE.		
Remarks	Conduit broken at both abutments and cable exposed.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Approaches at NE and 80m South.
Vertical Alignment		9	9	
Roadway Width (m)	8.000			Insufficient length & post/spacing. 11.4m @ SE, SW & NW; 8.0m @ NE due to field access. Turn down cap missing bolts, typ.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	8.000			
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		5	5	

Approach Road				
		Last	Now	Explanation of Condition
Approach Road General Rating		7	7	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PGO, 1 Spans, Lengths(m): 8.5, A-Ident Number:)				
Special Features				
Special Feature			X	
(Type :)				
Special Feature			X	
(Type :)				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
Last				
Now				
Wearing Surface		4	4	Thin ACP patch over most of deck, ravelling - photo.
(Material Type : CONCRETE)				
(Thickness(mm) : 50)				
Lateral Connection Problem (Y/N)	No			
Deck Top		N	N	
Deck Rideability		5	5	
Deck Joints		N	N	Paved over.
Bump (Y/N)	No			
Deck Drainage		5	5	
Drains Clogged (Y/N)	No			
Curbs/Median		3	3	Spalled SW corner affecting post anchorage - photos. West ext cracking/delam exposing rebar - photo.
(Curb Type : Standard)				
Scaling (Percent Area)	25			
Bridge Rail		7	5	Double layer but do not meet standard splice detail. NW & SW post anchorage compromised by spalled curb. Pitting rust on posts - photo.
(Type : GALVANIZED STEEL FLEX BEAM)				
Bridge Rail Posts		3	3	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)				
Bridge Rail/Posts Coating		3	3	
(Type : GALVANIZED)				
Sidewalk		X	X	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
Last				
Now				
Girders		4	5	Medium longitudinal crackin G1/G2 near South abutment on one leg, sound concrete. Honeycomb in G4 East leg near South abutment exposing main longitudinal rebar from poor consolidation during casting - photo.
Last Complete Inspection Date	27-Aug-2011			
Cracking (Y/N)	Yes			
Spalling (Percent Area)	0			
Lift or Connector Pocket Grouted (Y/N)				
(Number Of Girders : 9)				
Span Alignment Problems				
Vertical (Y/N)		No		
Horizontal (Y/N)		No		

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : PGO, 1 Spans, Lengths(m): 8.5, A-Ident Number:)						
Superstructure General Rating				4	5	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)				All piles anchored by clamp/scab. Double caps.		
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : TREATED TIMBER)						
(Depth(mm) : 656)						
(Width(mm) : 305)						
Backwalls/Breastwalls				4	4	Vertical sheeting in lower portion. Sheathing rotten.
Greatest Height (m)		3.00				
Wingwalls				4	4	Top 2 planks rotated @ NE corner, TT vertical cleat rotten. Tintop @ NW damaged.
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				6	6	
Scour/Erosion				5	5	
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) :)						

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(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	
Scour				X	X	
Debris (Y/N)		No				
Substructure General Rating				5	5	

Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : E)						
(D/S Direction : W)						
Alignment				7	7	
Bank Stability				5	5	
HWM (m below Top of Curb)						HWM not visible.
Drift (Y/N)		Yes				
Slope Protection				5	5	
(Type : NATURAL; NATURAL)						
Guidebank/Spurs				X	X	
Adequacy of Opening				7	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							
SEAL CURBS	2011	Patch curb around bridge rail posts.					
PATCH DECK							
OVERLAY DECK							
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	2011	Advise Telus to repair cable.					
OTHER ACTION	2011	Replace tin top.					
OTHER ACTION	2011	Reinstall SE hazard marker to meet standard.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/55.6	Sufficiency Rating (Last/Now) (%)	63.4/66.3	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracked girder legs.		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	27-Nov-2014		Previous Inspection Date	09-May-2008			
Inspection Cycle (Default) (months)	39						
Comment							