

Bridge Inspection											
Bridge File Number	72325 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1982/1982				Lot No.	2					
Bridge or Town Name	BLUE RIDGE				Inspector Name	Wade Nanninga					
Located Over	CORBETT CREEK, 8.11.98, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	658:02 C1 33.505				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	20-May-2010					
Legal Land Location	NW SEC 18 TWP 61 RGE 8 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-115:12:05, 54:16:41				Data Entry Date	19-Jul-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA12				Review Date	24-Jun-2010					
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	430 / 2009 (A)				Dept. Review Date	22-Jul-2010					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	5										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS23									----> 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)	No								
Remarks									
Other Sign Types	"Corbett Creek", SE only.								

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone					Gas					
Power	1 wire 20m East of c/l.				Municipal					
Others					Problem (Y/N)	No				
Remarks	Telus in conduit pipe attached to West side.									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Full width transverse crack @ both abutments - photo.				
Vertical Alignment			8	8					
Roadway Width (m)		10.000			Full width transverse crack @ both abutments.				
Approach Bump			6	6	Insufficient posts at 4 corners.				
Guardrail (Y/N)		Yes							
Guardrail			N	7					
Length (m)		19.000							
Current Standard (Y/N)		No							
Termination Type		Turn Down							
Drainage			7	7					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 8, 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			6	6	4 longitudinal lines sealed.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)					
Curbs/Median			N	N	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	Viewed from 4 corners die to water depth.
Last					
Now	9	0	0	0	
Girders			4	N	Chipped girder ends with corrosion staining (curb units) - typical @ 3 of 4 corners. (All girders have hairline longitudinal cracks at South end. -01-Mar-2007) Lift pockets
Last Complete Inspection Date	01-Mar-2007				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	1				
Lift or Connector Pocket Grouted (Y/N)	No				
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	GR carried fwd.

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)				No file tag.		
(Extended Backwall Piles Spacing(mm) : 1300)				Piles 1, 3 & 10 North abutment split - photo.		
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	North cap rolling. 5 deg. East end of South cap cracked. With crowned subcap.	
Last						
Now						
Bearing Seats/Caps/Corbels				4	4	
(Type : TREATED TIMBER)						
(Depth(mm) : 356)						
(Width(mm) : 305)						
Backwalls/Breastwalls			6	6	Loose top plank @ SW corner. Clamped / scabbed.	
Greatest Height (m)		1.90				
Wingwalls			4	4	NW WW leaning with broken cleat. Settled fill @ NW,SE & NE.	
(Total Number of Bearing Piles : 10:10)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Piles 1, 3 & 10 North abutment split - photo - worst os 15mm wide. 4 piles in North abutment and 5 piles in South abutment only 90% bearing with cap.	
Last						
Now						
Piles				4	4	
Paint/Coating				X	X	
Abutment Stability				4	4	
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				4	4		
Structure Usage							
					Last	Now	Explanation of Condition
Channel							
(U/S Direction : W)				Creek makes a sharp bend 15m West of bridge and runs North, parallel to SR 658 for approx 60m.			
(D/S Direction : E)							
Alignment				5	5		
Bank Stability				7	7		
HWM (m below Top of Curb)					HWM not visible.		
Drift (Y/N)		No					
Slope Protection				7	7		
(Type : NATURAL)							
Guidebank/Spurs				X	X		
Adequacy of Opening				7	7		
(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 : NONE)							
Channel General Rating				5	5		

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
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	2010	Reinstall "Corbett Creek" sign @ NW.					
OTHER ACTION	2010	Fill grout pockets.					
OTHER ACTION	2010	Add dill at NE, NW, SE- Repair WW cleat.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	58.6/58.6	Est. Repl. Yr	2035	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder spall at both ends from backwall pressure. Monitor fill at NE and SE wingwalls. Monitor split piles, abutment stability, girder cracks.		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	20-Aug-2013		Previous Inspection Date	01-Mar-2007			
Inspection Cycle (Default) (months)	39						
Comment							