

Bridge Inspection										
Bridge File Number	74194 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1980/1980				Lot No.	2				
Bridge or Town Name	HIGH LEVEL				Inspector Name	Brian Pientsch				
Located Over	BUSHE RIVER, 8.10.23.6, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	58:08 C1 2.561				Assistant Name	Clem Guenette				
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	09-Jan-2012				
Legal Land Location	SE SEC 3 TWP 110 RGE 19 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-117:04:53, 58:30:57				Data Entry Date	29-Feb-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA01				Review Date	26-Feb-2012				
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	David Morrison				
AADT/Year	1,330 / 2011 (A)				Dept. Review Date	30-Mar-2012				
Road Classification	RAU-209-110				Follow-Up By					
Detour Length (km)	13									
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	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)	Yes									
Remarks	INSTALLED TOO LOW									
Other Sign Types										

Utilities (Located at)									
Utility Attachments									
Telephone	N r/w Conduit o/s on S.girders				Gas	Crosses Hwy 128 m east.			
Power	22 m N. of centerline - 3 wire				Municipal				
Others					Problem (Y/N)	Yes			
Remarks	AGT CONDUIT NOT CONNECTED TO WEST SPAN - PHOTO								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curves both directions.				
Vertical Alignment			8	8	Entrances to n & s 100m e. 150m w.				
Roadway Width (m)	9.600								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				(Missing extra posts @ bridge. Missing 3 bolts. G-rail slightly damaged & post broken @ SE section.-25-May-2010				
Guardrail			3	N	Broken 1 NW guardrail post.-25-May-2010 Snow covered.				
Length (m)	26.200								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN ENDS								
Drainage			4	5	Fixed.				
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 10-11-10, 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	10.0				
Wearing Surface			6	6	100mm cracks at joint locations.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			6	N	
Bump (Y/N)		No			
Deck Drainage			4	N	Erosion scars on E headslope.No drains. (Several curb lifting pockets not grtd.) SW curb outside surface has several hairline vertical cracks.-25-May-2010 Snow covered.
Drains Clogged (Y/N)					
Curbs/Median			4	N	Minor water ponding on South curb. NE corner-rebar exposed.-25-May-2010
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			4	4	(Sleeves between S2 & S3 on S. rail missing nuts & bolts. S1 & S2 on S. rail,2 top bolts loose.
(Type : BRIDGE TUBE)					
Bridge Rail Posts			5	5	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	5	Hairline long. cracks on c/l under-side S1, G8 & S3, G9. Spall 300x80x20mm deep S1G2. Discoloration on underside of girders, moisture from grout keys-rust @ connector pockets. -S1 girders patched.
Last Complete Inspection Date		09-Jan-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	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)		
Last						
Now						
Bearing Seats/Caps/Corbels				6	6	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.50				
Wingwalls				5	5	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	1					
Piles				5	N	
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				4	5	
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)		
Last						
Now						
Bearing Seats/Caps/Corbels				5	5	
(Type : CONCRETE)						
(Depth(mm) : 670)						
(Width(mm) : 500)						
				A lot of rust staining on the W. pier S. side of cap.		

Substructure							
Bridge Component					Last	Now	Explanation of Condition
(Total Number of Bearing Piles : 6:6)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles				7	7		
Greatest Height (m)		4.50					
Bracing/Struts/Sheathing				7	7		
Nose Plate				X	X		
Paint/Coating				6	5		
(Colour Description : BLUE)							
(Colour Code : 15182)							
Pier Stability				7	7		
Scour				7	7		
Debris (Y/N)		No				Old piles under bridge.	
Substructure General Rating				5	5		
Structure Usage							
					Last	Now	Explanation of Condition
Channel							
(U/S Direction : N)				U/S channel bend 90 deg. approx 50m u/s.			
(D/S Direction : S)							
Alignment				6	6		
Bank Stability				7	7		
HWM (m below Top of Curb)						Hwm not visible.	
Drift (Y/N)		No					
Slope Protection				4	5		
(Type : NONE)							
Guidebank/Spurs				X	X		
Adequacy of Opening				8	8		
(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 : NONE)							
Channel General Rating				4	5		

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012						
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	2012	Contact telus regarding conduit.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/55.6	Sufficiency Rating (Last/Now) (%)	53.3/57.3	Est. Repl. Yr	2028	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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	09-Oct-2013		Previous Inspection Date	25-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							