

Bridge Inspection									
Bridge File Number	73443 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1994/1994				Lot No.	4			
Bridge or Town Name	HIGH LEVEL				Inspector Name	Brian Pientsch			
Located Over	TRIBUTARY TO BUSHE RIVER, 8.10.23.6.4, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	35:16 C1 3.310				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	13-Jan-2012			
Legal Land Location	SW SEC 16 TWP 110 RGE 19 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:07:08, 58:32:43				Data Entry Date	06-Feb-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA01				Review Date	06-Feb-2012			
Clear Roadway/Skew	11.9 /				Dept. Reviewer Name	David Morrison			
AADT/Year	1,150 / 2011 (A)				Dept. Review Date	05-Apr-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	999								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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 REQ'D.								

Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Curve, Bushe River, 432 control point area at SW10-110-19-W5								

Utilities (Located at)									
Utility Attachments									
Telephone	E. bdy of ROW, fibre				Gas				
Power	30m W. of centerline - 3 line				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Hwy. accesses 100 m S & N of bridge both sides). Curves both ways.				
Vertical Alignment			9	9					
Roadway Width (m)		10.000			Minor dents throughout.-03-Jun-2010 Snow covered.				
Approach Bump			5	5					
Guardrail (Y/N)		Yes							
Guardrail			6	N					
Length (m)		49.400							
Current Standard (Y/N)		Yes							
Termination Type		TURNED DOWN ENDS							
Drainage			8	8					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 2 Spans, Lengths(m): 14-14, 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	90.0	0.0	0.0	0.0	
Wearing Surface			5	N	LONGITUDINAL CRACKS EXTENDING THE LENGTH OF THE BRIDGE. Map cracking medium width. Spall 300x500x30mm deep @ N. abut, N. bound lane, minor approach slab spalling @ joints.-03-Jun-2010 Snow covered.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	8	
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			6	N	Random transverse cracking starting on curbs PIGMENTED CURB SEALER ON W CURB, 100% cracked or peeling.
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail			4	N	Missing 3 splice bolts at c/l - photo. 2 on E side, 1 on W side.
(Type : BRIDGE TUBE;GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	N	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	N	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	5	Hairline diagonal cracks with no staining S2G5-10,S1G6,7,11.
Last Complete Inspection Date		13-Jan-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 22)					
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						
(Extended Backwall Piles (Y/N) : N)						(HP 250 x 62 abutment piles.-94/09/30)
(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				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		1.00				
Wingwalls				8	8	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				7	7	
Abutment Stability				8	8	
Scour/Erosion				8	8	
Piers/Bents						
(Type : PIER-COLUMN)						(508 mm dia. x 0.010 m thick, closed ed pipe piles. - 1994/09/30)
(Total Number of Caps/Corbels : 1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) : 725)						
(Width(mm) : 750)						
(Total Number of Bearing Piles : 7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				8	8	
Greatest Height (m)		3.00				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				7	7	
(Colour Description :)				Galvanized piles above ground line. Galvanizing discolored @ waterline. No coating on Pier cap.		
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	Yes			3 old pile heaving thru filter fabric on the north headslope.
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Bends u/s and d/s.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)				Hwm not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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							
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	67.1/67.0	Est. Repl. Yr	2069	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor cracks in concrete deck and girders.		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				
Next Inspection Date	13-Oct-2013		Previous Inspection Date	03-Jun-2010			
Inspection Cycle (Default) (months)	21						
Comment							