

Bridge Inspection									
Bridge File Number	00915 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1996/1996				Lot No.	4			
Bridge or Town Name	HIGH RIVER				Inspector Name	Tom Carey			
Located Over	TRIBUTARY TO FRANK LAKE, 2.12.12.16.1.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	23:08 C1 32.828				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	18-Feb-2013			
Legal Land Location	NE SEC 5 TWP 19 RGE 27 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-113:42:12, 50:35:12				Data Entry Date	17-Mar-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA27				Review Date	03-Mar-2013			
Clear Roadway/Skew	13.4 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	2,030 / 2011 (A)				Dept. Review Date	25-Mar-2013			
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	3								
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	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)	No								
Remarks	Not required								
Other Sign Types									
Utilities (Located at)									
Utility Attachments	POWER UTILITIES-POWER LINE								
Telephone	SOUTH R/W				Gas				
Power	MAIN TRANSMISSION LINES TO WEST				Municipal				
Others	300 m WEST				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	Minor damage at North West at turn down. Not thrie beam				
Vertical Alignment			9	9					
Roadway Width (m)	13.400								
Approach Bump			7	8					
Guardrail (Y/N)	Yes								
Guardrail			5	5					
Length (m)	26.000								
Current Standard (Y/N)	No								
Termination Type	TURN DOWN								
Drainage			7	7					
Approach Road General Rating			9	9					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 1 Spans, Lengths(m): 14, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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			6	8	
(Material Type : ACP)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			8	N	
Bump (Y/N)		No		(Buffer angle) ACP covered	
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0		HAIRLINE TRANSVERSE CRACKS & long crks Along N curb exterior- - Minor break @ south	
Bridge Rail			9	6	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			9	9	
(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)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			7	7	
Last Complete Inspection Date		25-Feb-2013		Hairline longitudinal cracking at north fascia girder. Minor coating failure.	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 12)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				8	8
(Type : CONCRETE)					
(Depth(mm) : 2000)					
(Width(mm) : 650)					
Backwalls/Breastwalls				8	8
Greatest Height (m)		2.00			
Wingwalls				8	8
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	1	0	0	0	
Now	10	0	0	0	
Piles				N	N
Paint/Coating				X	X
Abutment Stability				9	9
Scour/Erosion				8	8
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) :)					
(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 :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Meandering low banks.
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		5	5	(Scoured 1m deep x 1m wide for 20m long at South West.) Snow covered.
HWM (m below Top of Curb)	1.5			(2009)
Drift (Y/N)	No			
Slope Protection		8	8	Class I.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	73.8/72.7	Est. Repl. Yr	2056	Maint. Req. (Y/N)	No
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	18-Nov-2014		Previous Inspection Date	19-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							