

Bridge Inspection										
Bridge File Number	09469 S-2 Bridge				Form Type	CON				
Year Built/Year Supstr	1960/1960				Lot No.	3				
Bridge or Town Name	HIGH RIVER				Inspector Name	Garry Roberts				
Located Over	LITTLE BOW RIVER, 2.12.12, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	2:10 L1 46.522				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	02-Oct-2011				
Legal Land Location	NE SEC 19 TWP 18 RGE 28 W4M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-113:49:41, 50:32:30				Data Entry Date	10-Nov-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	CMA27				Review Date	07-Oct-2011				
Clear Roadway/Skew	11.6 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	10,970 / 2010 (A)				Dept. Review Date	17-Nov-2011				
Road Classification	RFD-412.4-130				Follow-Up By					
Detour Length (km)	1									
Allowable Load (t):	Single	CS1 35 GIRDER	Semi	CS2 60 GIRDER	Train	CS3 82 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)		In Advance (Y/N)		At Bridge (Y/N)			
Posted:	Lane	SB	At Junction (Y/N)		No	In Advance (Y/N)		No	At Bridge (Y/N)	No
Remarks	Not req.									
Hazard Marker At Bridge (Y/N)	No									
Remarks										
Other Sign Types										
Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	North ROW.				Municipal					
Others					Problem (Y/N)	No				
Remarks										
Approach Road										
			Last	Now	Explanation of Condition					
Horizontal Alignment			8	8	Hill to South					
Vertical Alignment			6	6						
Roadway Width (m)	11.600									
Approach Bump			6	7						
Guardrail (Y/N)	Yes									
Guardrail			6	6						
Length (m)	30.000				None @ SE Not thriebeam					
Current Standard (Y/N)	No									
Termination Type	TURNED DOWN ENDS									
Drainage			7	7						
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CT, 3 Spans, Lengths(m): 12.2-16.5-12.2, A-Ident Number: )						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0.0	0.0	0.0	10.0		
Wearing Surface			4	3	Approx 20m2 failed area @ north Abut and random areas @ south and Center span - up to 15m2	
(Material Type : <b>CONCRETE - CONVENTIONAL CHIP SEAL COAT</b> )						
(Thickness(mm) : <b>50</b> )						
Deck Top			N	N		
Deck Rideability			6	5		
Deck Joints			8	8		
Temperature (deg. C)		12				
(Expansion Type : <b>ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
75		N. abut				
77		S. abut				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Numerous cracks all sealed	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		5				
Bridge Rail			7	7	8 A/B nuts not fully engaged and 4 not tightened at 3rd post NW.  5% superficial corrosion.	
(Type : <b>BRIDGE TUBE</b> )						
Bridge Rail Posts			4	4		
(Type : )						
Bridge Rail/Posts Coating			4	4		
(Type : )						
Sidewalk			X	X		
Girders			4	4	West exterior girders @ span 1 & 3 and girder 2 @ span 1 have 1 to 2 mm wide longitudinal cracks @ bottoms  West exterior girder @ center span has 4mm wide longitudinal crack @ bottom Flexure cracks in all girders.	
Diaphragms/Cross Frame			6	6		
Bearings			6	6		
Temperature (deg. C)		12				
(Expansion Type : <b>ROCKER BEARING</b> )						
(Fixed Type : <b>PINNED BEARING</b> )						
Coating Adequate (Y/N)		Yes				
Functioning (Y/N)		Yes				
Deck Underside			5	5	Old forms in place Isolated transverse cracks	
Stains (Percent Area)		1				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CT, 3 Spans, Lengths(m): 12.2-16.5-12.2, A-Ident Number: )				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats		6	6	
Backwalls/Breastwalls		5	5	
Wingwalls		6	6	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		5	6	Minor erosion gullies at south headslope.
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Pier Shaft/Piles		7	7	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Patch chipcoat- 20m2					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.6/64.1</b>	Est. Repl. Yr	2025	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	02-Jul-2013		Previous Inspection Date	27-Jan-2010			
Inspection Cycle (Default) (months)	21						
Comment							