

Bridge Inspection							
Bridge File Number	70935 -1 Bridge			Form Type	SG		
Year Built/Year Supstr	1955/1955			Lot No.	2		
Bridge or Town Name	HOTCHKISS			Inspector Name	Brian Pientsch		
Located Over	HOTCHKISS RIVER, 8.10.41.6, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	35:08 C1 15.399			Assistant Name	Russel Vanderschaaf		
Water Body Cl./Year				Assistant Class	BR CLS B		
Navigabil. Cl./Year				Inspection Date	08-Dec-2011		
Legal Land Location	SE SEC 11 TWP 93 RGE 23 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:34:32, 57:03:10			Data Entry Date	14-Dec-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA04			Review Date	13-Dec-2011		
Clear Roadway/Skew	11 /			Dept. Reviewer Name	Steve Pasquan		
AADT/Year	1,700 / 2010 (A)			Dept. Review Date	10-Jan-2012		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 63 GIRDER	Semi	CS2 87 GIRDER	Train	CS3 112 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)	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)	Yes						
Remarks							
Other Sign Types	Hotchkiss River @ SE corner. Curve signs						

Utilities (Located at)			
Utility Attachments			
Telephone	West side	Gas	
Power	East boundary of r/w - 3 wire.	Municipal	
Others	Waterline crosses RD. at north end.	Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curves on both approaches, hills on both approaches. 6% grade south end.
Vertical Alignment		5	5	
Roadway Width (m)	9.700			Approach rail not connected to bridge. Not thrie beam. Windrows under guardrail all 4 corners.
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		3	4	
Length (m)	68.400			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		5	5	
Approach Road General Rating		5	5	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 3 Spans, Lengths(m): 17.1-21.3-17.1, A-Ident Number: A0200-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Partly gravel/sand covered.	
Last	10	0	0	0		
Now	10.0	0.0	0.0	30.0		
Wearing Surface			4	3	Chipseal coat 95% worn off. Polymer overlay 10% worn off, causing water to seep inot concrete deck.photo	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			8	8		
Temperature (deg. C)		-18				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
66		Abut 1				
82		Abut 2				
Deck Drainage			7	4	Deck drains above headslopes have eroded small gullies.	
Drains Clogged (Y/N)		No				
Curbs/Median			4	4	Isolated curb spalls throughout exterior fascia. Severe spalling on concrete approach parapets.	
(Curb Type : Standard)						
Scaling (Percent Area)		10				
Bridge Rail			5	5		
(Type : GALVANIZED STEEL VERTICAL BAR)						
Bridge Rail Posts			7	7		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			5	5		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			5	5	South: 2nd girder within mm of backwall (measured at base of web) 4th girder within 16mm of backwall (measured at base of web)	
Flange			6	6		
Web			7	7		
Stiffeners			X	X		
Splice			7	7		
Weld			X	X		
Diaphragms/Cross Frame			5	5		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 3 Spans, Lengths(m): 17.1-21.3-17.1, A-Ident Number: A0200-01)				
Paint Condition		4	4	Superficial rust on 30% of bottom flange area.
(Colour Description : GREEN)				
(Colour Code : 14090)				
Touchup Required (Y/N)	No			
Bearings		5	5	Rusting at exterior bearings.
Temperature (deg. C)	-18			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	4	100mm spall near S3G6 East side. Heavy efflorescence and rust stains between S2G3, G5 and S2G2,G4 near piers.-photo
Stains (Percent Area)	5			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		6	6	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-COLUMN)				Bearing piles not accessible.
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 2:2)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	Superficial rust on nose plates.
Paint/Coating		5	5	
(Colour Description : GREEN)				
(Colour Code : 14090)				
Pier Stability		7	7	
Scour		4	4	Minor scour at W end pier 1.
Debris (Y/N)	Yes			Barrel and old piles in channel under bridge.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		5	4	Minor erosion beneath deck drains.
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	4	

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	Repair spall					
SEAL DECK	2012						
OVERLAY DECK	2012						
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/55.6	Sufficiency Rating (Last/Now) (%)	73.2/68.5	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	Brian Pientsch		Previous Assistant's Name				
Next Inspection Date	08-Sep-2013		Previous Inspection Date	17-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							