

Bridge Inspection									
Bridge File Number	81897 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1992/1992				Lot No.	2			
Bridge or Town Name	HAYS				Inspector Name	Jason Rusu			
Located Over	BOW RIVER, 2.13, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	524:04 C1 39.242				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	17-Mar-2012			
Legal Land Location	SW SEC 4 TWP 13 RGE 12 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-111:35:28, 50:02:53				Data Entry Date	11-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA24				Review Date	23-Mar-2012			
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	410 / 2011 (A)				Dept. Review Date	17-Apr-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	32								
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 required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Curve.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	At West r/w.				Gas				
Power	1 wire 200m South.				Municipal				
Others	Environment shack @ SE.				Problem (Y/N)	No			
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Curve and hill at South.
Vertical Alignment		5	5	
Roadway Width (m)	10.500			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	42.000			
Current Standard (Y/N)	Yes			
Termination Type	Turned down			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>WG, 4 Spans, Lengths(m): 42-52-52-42, A-Ident Number: A1192-01</b> )					
<b>Special Features</b>					
Special Feature		8	8	At SE.	
(SType : <b>WATER LVL CTRL</b> )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface		X	X		
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Deck Top		6	6	Concrete deck - transverse cracks and longitudinal narrow & medium width cracks. Wide spread.	
Deck Rideability		8	8		
Deck Joints		7	3	Fingers sit up 3mm at South. Almost every weld is broken. 26 count @ South. 15 count @ North.	
Temperature (deg. C)		5			
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
100		North abutment			
110		South abutment			
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		7	7	Transverse cracks at 300 to 1000 mm.	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail		9	9		
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts		9	9		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		9	8		
(Type : <b>GALVANIZED</b> )					
Sidewalk		X	X		
<b>Girder/Beam</b>					
Cover Plate		X	X		
Flange		8	8		
Web		8	8		
Stiffeners		8	8		
Splice		8	8		
Weld		8	8		
Diaphragms/Cross Frame		8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
<b>(Primary Span : WG, 4 Spans, Lengths(m): 42-52-52-42, A-Ident Number: A1192-01)</b>				
Paint Condition		8	X	Weathering steel.
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		8	7	Rockers @ abutments.
Temperature (deg. C)	5			
(Expansion Type : <b>ROCKER BEARING</b> )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	5	Wide spread transverse cracks & efflorescence.
Stains (Percent Area)	20			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>6</b>	<b>5</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	7	
Wingwalls		8	7	
Piles		N	N	Buried.
Paint/Coating		8	6	Staining.
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-SOLID</b> )				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
<b>(Total Number of Bearing Piles : 0:0:0)</b>				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		9	8	
Paint/Coating		9	8	@ Nose plate.
(Colour Description : )				
(Colour Code : )				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		N	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)	7.0			Grass on fence.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>8</b>	<b>8</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							
SEAL DECK							
OVERLAY DECK	2012	Epoxy overlay or epoxy fill cracks.					
REPAIR/REPLACE DECK JOINTS	2012	Re-weld broken finger 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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>77.8/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.5/63.8</b>	Est. Repl. Yr	2067	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	17-Jun-2015		Previous Inspection Date	22-Jan-2009			
Inspection Cycle (Default) (months)	39						
Comment							