

Bridge Inspection									
Bridge File Number	00288 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1985/1985				Lot No.	4			
Bridge or Town Name	HILL SPRING				Inspector Name	Jason Rusu			
Located Over	BELLY RIVER, 2.12.22, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	800:02 C1 9.581				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Dec-2012			
Legal Land Location	NW SEC 18 TWP 3 RGE 27 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-113:37:44, 49:13:02				Data Entry Date	08-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA25				Review Date	16-Dec-2012			
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	410 / 2011 (A)				Dept. Review Date	22-Jan-2013			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	37								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS300						----> 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.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	E 3-line, N 3-LINE				Municipal				
Others	Fibre Optics @ east R/W				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Curves both ends				
Vertical Alignment			8	8					
Roadway Width (m)	9.500								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Missing nuts & bolts @ flexbeam to bridgerail connection @ NW, NE & SE				
Guardrail			4	4	-5 in total. Partial split @ 1 post @ SE				
Length (m)	19.000								
Current Standard (Y/N)	Yes				Missing 1 splice bolt at SE				
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, 3 Spans, Lengths(m): 19-22-19, A-Ident Number: A1011-01</b> )								
<b>Special Features</b>								
Special Feature								
(Type : )								
Special Feature								
(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	0.0				
Wearing Surface			7	7	Transverse crks near piers			
(Material Type : <b>ACP</b> )								
(Thickness(mm) : <b>90</b> )								
Deck Top			N	N				
Deck Rideability			7	7				
Deck Joints			7	7				
Temperature (deg. C)		-6						
(Expansion Type : <b>ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )								
(Fixed Type : )								
Gap Size (mm)		Gap Location						
85		south abut						
100		North abut						
Deck Drainage			7	7				
Drains Clogged (Y/N)		No						
Curbs/Median			7	7	transverse hairline cracks on curb face 300mm centres, light stains on outside face.			
(Curb Type : <b>Standard</b> )								
Scaling (Percent Area)		1						
Bridge Rail			8	8				
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )								
Bridge Rail Posts			8	8				
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )								
Bridge Rail/Posts Coating			7	7				
(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
(Primary Span : <b>WG, 3 Spans, Lengths(m): 19-22-19, A-Ident Number: A1011-01</b> )				
Paint Condition		X	X	weathered steel
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		8	8	Fixed @ S. Abut
Temperature (deg. C)	-6			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : <b>ROCKER BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	hairline cracks Efflorescence @ deck exterior & under curbs
Stains (Percent Area)	2			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>5:5</b> )				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	
Nose Plate		X	X	
Paint/Coating		4	4	SOME CORROSION STARTING 0.6m ABOVE PRESENT WATER LEVEL
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Substructure General Rating</b>		<b>8</b>	<b>8</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	7	
Bank Stability		6	6	
HWM (m below Top of Curb)	5.5			HWM not visible
Drift (Y/N)	No			
Slope Protection		7	7	class 3 rock @ both slopes, Pulled away 260mm @ S N BANK U/S RECENTLY CONSTRUCTED & PROTECTED AT TOE WITH CLASS 2 ROCK.
(Type : <b>CONCRETE; RIP RAP</b> )				
Guidebank/Spurs		7	7	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</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							
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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>71.9/71.9</b>	Est. Repl. Yr	2050	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	08-Mar-2016		Previous Inspection Date	08-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							