

Bridge Inspection									
Bridge File Number	79044 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1979/1979				Lot No.	2			
Bridge or Town Name	JUMPING POUN				Inspector Name	Jon Davies			
Located Over	LITTLE JUMPINGPOUND CREEK, 2.13.43.3, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	68:04 C1 30.796				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Sep-2012			
Legal Land Location	NW SEC 30 TWP 24 RGE 5 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-114:41:57, 51:04:32				Data Entry Date	10-Oct-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA28				Review Date	21-Sep-2012			
Clear Roadway/Skew	11 / -15 deg. (LHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	310 / 2011 (A)				Dept. Review Date	11-Oct-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	16								
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)	No								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	West R/W.				Gas				
Power	50m West - 1 wire.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			8	8	Hill to South.				
Vertical Alignment			6	6					
Roadway Width (m)	11.300								
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			6	6	Not thriebeam.				
Length (m)	26.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
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 : <b>SMO, 3 Spans, Lengths(m): 6-11-11, A-Ident Number: )</b>						
<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	0.0		
Wearing Surface			7	6	Crack over North and South pier - narrow- epoxy filled.	
(Material Type : <b>CONCRETE</b> )						
(Thickness(mm) : <b>125</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			7	6		
Deck Joints			6	6		
Bump (Y/N)		No				
Deck Drainage			6	6	No drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			7	7	Minor scrapes.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			7	7	Some minor corrosion.	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			6	6		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			5	5		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Girders			5	4	Narrow longitudinal cracks at Sp.3-G1 exterior face. 7 of 30 girders have D.cracks at abutments or piers. No corrosion stains. Crack in bottom of Sp.1 G10 Narrow longitudinal crack G1-Sp.1. Previously repaired with corrosion stains from steel chair. Spall and De-laminations at Sp.1-G2, G6 and Sp.3-G7. Vertical crack on exterior of Sp.1-G10 at P1.	
Last Complete Inspection Date		18-Sep-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : <b>30</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>5</b>	<b>4</b>		

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : <b>N</b> )					
(Extended Backwall Piles Spacing(mm) : )					
(Total Number of Caps/Corbels : <b>1:1</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels			6	6	
(Type : <b>CONCRETE</b> )					
(Depth(mm) : <b>600</b> )					
(Width(mm) : <b>500</b> )					
Backwalls/Breastwalls			N	N	
Greatest Height (m)		1.20			
Wingwalls			6	6	
(Total Number of Bearing Piles : <b>0:0</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	1	0	0	0	
<b>Now</b>	1	0	0	0	
Piles			N	N	
Paint/Coating			5	5	
Abutment Stability			8	8	
Scour/Erosion			7	7	
<b>Piers/Bents</b>					
(Type : <b>PIER-COLUMN</b> )					
(Total Number of Caps/Corbels : <b>1:1</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels			6	6	
(Type : <b>CONCRETE</b> )					
(Depth(mm) : <b>600</b> )					
(Width(mm) : <b>500</b> )					
(Total Number of Bearing Piles : <b>7:7</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Pier Shaft/Piles			7	7	
Greatest Height (m)		3.70			
Bracing/Struts/Sheathing			7	7	
Nose Plate			X	X	
Paint/Coating			4	4	
(Colour Description : <b>GREEN</b> )					
(Colour Code : <b>14090</b> )					

Some medium cracking medium scaling - repaired at ends and covered with cap-seal throughout- corrosion stains @ North.

Some peeling of paint on caps & pier. Piles paint worn off @ bottom.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
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	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.3			No visible HWM.
Drift (Y/N)	No			
Slope Protection		8	8	450mm rock.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
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							
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	2013	Repair delaminations, cracks, and spalls at Sp.1-G2, G6, G10 and Sp.3-G7.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>63.8/61.2</b>	Est. Repl. Yr	2028	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	12-Jun-2014		Previous Inspection Date	07-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							