

Bridge Inspection									
Bridge File Number	02273 -2 Bridge				Form Type	PSR			
Year Built/Year Supstr	2007/2007				Lot No.	4			
Bridge or Town Name	LLOYDMINSTER				Inspector Name	Jason Saly			
Located Over	BIG GULLY CREEK, 22, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	17:08 C1 15.319				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-Jun-2012			
Legal Land Location	NOT AVAILABLE				Data Entry By	Marcia Chavez			
Longitude, Latitude	-110:00:05, 53:26:40				Data Entry Date	13-Jul-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	UNDEFINED CMA				Review Date	05-Jul-2012			
Clear Roadway/Skew	12.2 / 45 deg. (RHF)				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	3,310 / 2011 (A)				Dept. Review Date	19-Jul-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> 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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Mounted to first rail post; not to std height.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	Plowed in W R/W.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Located in bottom of sag with curves on both ends. Ltd sight distance to N. Intersection 150m N.				
Vertical Alignment			6	6					
Roadway Width (m)			12.500		Not thrie beam. Insufficient lgth.				
Approach Bump			7	7					
Guardrail (Y/N)			Yes						
Guardrail			7	7					
Length (m)			26.200						
Current Standard (Y/N)			No						
Termination Type			Energy absorpion.						
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>PB, 1 Spans, Lengths(m): 15, 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			6	6	Crowned.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type : )					
(Fixed Type : <b>OTHER</b> )					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	F-barrier.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Consists of HSS 152x102 tube on top of CIP F-barrier.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			6	6	Anchor nuts 75% not fully extended.
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	8	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	10	0	0	0	
Girders			9	N	Due to water level.
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : <b>10</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>PB, 1 Spans, Lengths(m): 15, A-Ident Number: )</b>				
Diaphragms/Cross Frame		X	X	
Bearings		X	7	
Temperature (deg. C)	17			
(Expansion Type : )				
(Fixed Type : <b>NEOPRENE STRIP BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		X	N	Not visible due to design shape of the girders.
Stains (Percent Area)				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>9</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		9	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		N	N	Blocked by girders.
Wingwalls		9	8	
Piles		9	N	Under water.
Paint/Coating		9	8	Galvanized.
Abutment Stability		9	8	
Scour/Erosion		9	N	
<b>Piers/Bents</b>				
(Type : )				
Bearing Seats/Caps		X	X	
(Type : )				
(Total Number of Bearing Piles : )				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</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		7	7	
HWM (m below Top of Curb)				HWM not visible; water within 800mm of bottom of the girder.
Drift (Y/N)				
Slope Protection		7	7	Class I
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	5	Water within 800mm of bottoms of girders.
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
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>100.0/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>75.1/63.1</b>	Est. Repl. Yr	2070	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	27-Mar-2014		Previous Inspection Date	01-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							