

Bridge Inspection											
Bridge File Number	08077 -1 Bridge				Form Type	PSR					
Year Built/Year Supstr	1975/1975				Lot No.	2					
Bridge or Town Name	ADEN				Inspector Name	Jason Rusu					
Located Over	MILK RIVER, 1, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	880:02 C1 18.592				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	08-Jun-2012					
Legal Land Location	SE SEC 29 TWP 2 RGE 10 W4M				Data Entry By	Erin Roberts					
Longitude, Latitude	-111:18:27, 49:08:44				Data Entry Date	19-Jul-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts					
Contract Main. Area	CMA24				Review Date	10-Jul-2012					
Clear Roadway/Skew	8.5 /				Dept. Reviewer Name	Tim Davies					
AADT/Year	90 / 2011 (A)				Dept. Review Date	30-Jul-2012					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	66										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> 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					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road										
		Last	Now	Explanation of Condition						
Horizontal Alignment		7	7	Straight from North - curves East to South.						
Vertical Alignment		7	7							
Roadway Width (m)	9.800									
Approach Bump			6	6						
Guardrail (Y/N)	Yes			Not thriebeam.						
Guardrail			7							7
Length (m)	35.000									
Current Standard (Y/N)	No									
Termination Type	TURNED DOWN									
Drainage			7	7						
<b>Approach Road General Rating</b>			<b>6</b>	<b>7</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 3 Spans, Lengths(m): 24.4-24.4-24.4, A-Ident Number: )					
<b>Special Features</b>					
Special Feature					
(Type : )					
Special Feature					
(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			6	6	ASPHALT LOW 15-30 mm 2 PIER JOINTS -  Transverse cracks
(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			7	3	Gland joints @ piers. Fibre board joints @ abuts. Fibre board joints leak.  Pier 2 gland has failed.
Temperature (deg. C)		17			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
57		Pier 1			
70		Pier 2			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	4	Several sections with spalling at reinforcing steel- insufficient cover.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Several posts with insufficient thread at A/B nuts.  Isolated 2% corrosion pitting. 5% superficial corrosion.
(Type : <b>STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	4	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			4	4	
(Type : <b>PAINT</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			6	6	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : <b>24</b> )					
Diaphragms/Cross Frame			X	X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 3 Spans, Lengths(m): 24.4-24.4-24.4, A-Ident Number: )				
Bearings		7	7	Neoprene pads
Temperature (deg. C)	17			
(Expansion Type : <b>REINFORCED PAD BEARING</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Narrow long cracks @ bot-typical
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>6</b>	<b>6</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		N	N	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-SOLID</b> )				Hairline vertical crack down centerline
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>0:0</b> )				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		N	N	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		6	6	
Bank Stability		5	5	North bank u/s steep with no vegetation.
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		8	8	Class 1 & 1m. Class 2 at North toe.
(Type : )				
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>5</b>	<b>6</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	2012	Pier 2 gland - replace.					
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>72.2/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.0/66.2</b>	Est. Repl. Yr	2035	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	08-Sep-2015		Previous Inspection Date	16-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							