

Bridge Inspection										
Bridge File Number	79674 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2007/2007					Lot No.	4			
Bridge or Town Name						Inspector Name	Garry Roberts			
Located Over	2:12 R1 15.358;2:12 L1 15.372					Inspector Class	BR CLS A			
Located On	547:02 L1 0.000;547:02 R1 0.000;7:08 R1 26.107;7:08 L1 26.116					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	27-Nov-2011			
Legal Land Location	NE SEC 13 TWP 20 RGE 29 W4M					Data Entry By	Alyssa Boynton			
Longitude, Latitude	-113:52:58, 50:41:49					Data Entry Date	16-Dec-2011			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	CMA27					Review Date	07-Dec-2011			
Clear Roadway/Skew	18.6 / 0 deg.					Dept. Reviewer Name	Tim Davies			
AADT/Year	1,230 / 2010 (A)					Dept. Review Date	12-Jan-2012			
Road Classification	RCU-208-110					Follow-Up By				
Detour Length (km)	27									
Allowable Load (t):	Single	CS1 28			Semi	CS2 49		Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CL800									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	5.4	In Advance (Y/N)	Yes
Remarks												
Required Load Posting (t)			Single				Semi				Truck Train	
Posted Loading (t)			Single				Semi				Truck Train	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	At Bridge (Y/N)	No	At Bridge (Y/N)	No
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	At Bridge (Y/N)	No	At Bridge (Y/N)	No
Remarks			Not req'd									
Hazard Marker At Bridge (Y/N)		No										
Remarks												
Other Sign Types		Merge, Route										

Utilities (Located at)										
Utility Attachments										
Telephone						Gas				
Power	4 wires 300mm to NW					Municipal				
Others	Light Standards					Problem (Y/N)	No			
Remarks		Lights @ piers & Abuts								

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curves and merge and exit ramps
Vertical Alignment		6	6	Grades up to bridge @ both sides
Roadway Width (m)	21.000			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		6	4	Kinked @ SW due to being bent to fit radius Wbeam to Thrie Beam @ Approach Wrong lap at NW.
Length (m)	24.000			
Current Standard (Y/N)	Yes			
Termination Type	flare			
Drainage		4	4	Minor 50mm erosion @ SE, NW and NE trough Drain

Approach Road				
		Last	Now	Explanation of Condition
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 2 Spans, Lengths(m): 45-43, A-Ident Number: </b> )				
Special Features				
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		8	8	
(Material Type : <b>MIX TYPE 1 ACP</b> )				
(Thickness(mm) : <b>80</b> )				
Lateral Connection Problem (Y/N)	No			
Deck Top		N	N	Sag over pier
Deck Rideability		7	7	
Deck Joints		8	8	
Temperature (deg. C)		-3		
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )				
(Fixed Type : )				
Gap Size (mm)		Gap Location		
65		East Abut		
55		West Abut		
Deck Drainage		8	7	
Drains Clogged (Y/N)		No		
Curbs/Median		8	8	
(Curb Type : <b>Standard</b> )				
Scaling (Percent Area)		0		
Bridge Rail		9	8	
(Type : <b>GALVANIZED STEEL TUBE BEAM TYPE 1</b> )				
Bridge Rail Posts		9	8	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )				
Bridge Rail/Posts Coating		8	7	
(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

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
<b>(Primary Span : NU, 2 Spans, Lengths(m): 45-43, A-Ident Number: )</b>				
Girders		8	8	Previous high load patch Sp.2 - G1
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
<b>(Number Of Girders : 7)</b>				
Diaphragms/Cross Frame		8	8	
Bearings		N	N	integral @ pier and abuts
Temperature (deg. C)				
<b>(Expansion Type : )</b>				
<b>(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)</b>				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		8	8	minor efflorescence
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			Noticeable sag over pier
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		9	8	
<b>(Type : CONCRETE)</b>				
Backwalls/Breastwalls		9	8	
Wingwalls		9	8	
Piles		N	N	Buried.
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
<b>(Type : PIER-COLUMN)</b>				Integral
Bearing Seats/Caps		9	8	
<b>(Type : CONCRETE)</b>				
<b>(Total Number of Bearing Piles : 0)</b>				
Pier Shaft/Piles		9	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		8	8	Pigmented sealer
<b>(Colour Description : )</b>				
<b>(Colour Code : )</b>				
Pier Stability		9	8	
Scour		X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	7	
Traffic Safety Features		X	X	
Type				
Slope Protection		8	8	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		8	8	
Drainage		7	7	
<b>Grade Separation 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							
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>94.4/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>71.0/68.7</b>	Est. Repl. Yr	2078	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	27-Aug-2013		Previous Inspection Date	10-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							