

Bridge Inspection										
Bridge File Number	85103 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2011/2011					Lot No.	1			
Bridge or Town Name						Inspector Name	Randy Bredo			
Located Over	28:02 L1 1.810;28:02 C1 2.098					Inspector Class	BR CLS A			
Located On	LOCAL ROAD					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	22-Apr-2012			
Legal Land Location	SE SEC 17 TWP 54 RGE 24 W4M					Data Entry By	Jill Potts			
Longitude, Latitude	-113:29:58, 53:39:28					Data Entry Date	03-May-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Dave Lam			
Contract Main. Area	CMA09					Review Date	28-Apr-2012			
Clear Roadway/Skew	14.9 /					Dept. Reviewer Name	Brent Herrick			
AADT/Year						Dept. Review Date	12-Jun-2012			
Road Classification						Follow-Up By				
Detour Length (km)										
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)	5.5	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.5	In Advance (Y/N)	No
Remarks	Advance VC signs required.											
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				
Posted:	Lane	EB	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	Not required.											
Other Sign Types												

Utilities (Located at)									
Utility Attachments									
Telephone						Gas			
Power						Municipal			
Others	Light standards.					Problem (Y/N)	No		
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			8	Transition has failed at NW due to insufficient thread and rail torqued too tight.
Vertical Alignment			7	
Roadway Width (m)	14.500			
Approach Bump			6	
Guardrail (Y/N)	Yes			
Guardrail			3	
Length (m)	42.000			
Current Standard (Y/N)	Yes			
Termination Type	Attenuation			
Drainage			3	Corners require final grading.
<b>Approach Road General Rating</b>			<b>7</b>	

Superstructure				
Bridge Component	Last	Now	Explanation of Condition	
(Primary Span : <b>NU, 2 Spans, Lengths(m): 47.9-52.9, A-Ident Number: )</b>				
<b>Special Features</b>				
Special Feature		3	MSE Wall. Geotextile requires trimming along top. Fill infiltrating between blocks at NW corner.	
(Type : )				
Special Feature		X		
(Type : )				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
<b>Last</b>				
<b>Now</b>				
Wearing Surface		8	H2 with waterproofing system.	
(Material Type : <b>ACP</b> )				
(Thickness(mm) : <b>80</b> )				
Lateral Connection Problem (Y/N)	No			
Deck Top		N		
Deck Rideability		8		
Deck Joints		X	No joints - integral.	
Temperature (deg. C)	5			
(Expansion Type : )				
(Fixed Type : )				
Gap Size (mm)	Gap Location			
Deck Drainage		8	No drains.	
Drains Clogged (Y/N)	No			
Curbs/Median		3	Caulking failed at NW and NE. Other 2 are starting to fail.	
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )				
Scaling (Percent Area)	0			
Bridge Rail		8		
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )				
Bridge Rail Posts		8		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )				
Bridge Rail/Posts Coating		8		
(Type : <b>GALVANIZED</b> )				
Sidewalk		X		
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
<b>Last</b>				
<b>Now</b>				
Girders		9		
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : <b>5</b> )				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 2 Spans, Lengths(m): 47.9-52.9, A-Ident Number: )</b>				
Diaphragms/Cross Frame			9	
Bearings			X	Pier integral. Abutments integral with bearings.
Temperature (deg. C)	5			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			9	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>			<b>9</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps			9	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls			8	
Wingwalls			6	Wingwalls are wavy. Geotextile requires trimming.
Piles			N	
Paint/Coating			7	
Abutment Stability			8	
Scour/Erosion			X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				5 concrete columns.
Bearing Seats/Caps			9	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>5</b> )				Buried.
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			3	Bottom of piers still require coating.
(Colour Description : )				Tan.
(Colour Code : )				
Pier Stability			9	
Scour			X	
Debris (Y/N)	Yes			Construction debris.
<b>Substructure General Rating</b>			<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment			8	
Traffic Safety Features			8	
Type	Lighting			
Slope Protection			3	West slope protection appears to have been constructed approx 200mm too high. Backwall may also have been constructed too high.
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability			8	
Drainage			3	Median is ponding water around pier.
<b>Grade Separation General Rating</b>			<b>3</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Grout sidewalk rail post bases.					
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	2012	Repair caulking at corners (address barrier settlement issues).					
OTHER ACTION	2012	Complete final grading throughout.					
OTHER ACTION	2012	Repair rail transition sections and loosen guardrail.					
OTHER ACTION	2012	Rectify elevation problems of concrete slope protection at West abutment.					
OTHER ACTION	2012	Address fill infiltration at the NW corner of MSE wall.					
OTHER ACTION	2012	Remove concrete splash along sidewalk.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>/94.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/72.8</b>	Est. Repl. Yr	2087	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			Previous Assistant's Name				
Next Inspection Date	22-Jan-2014		Previous Inspection Date				

Inspection Cycle (Default) (months)	21
Comment	