

Bridge Inspection										
Bridge File Number	85084 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2011/2011					Lot No.	2			
Bridge or Town Name						Inspector Name	Randy Bredo			
Located Over	216:08 R1 2.244;216:08 L1 2.278					Inspector Class	BR CLS A			
Located On	LOCAL ROAD					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	28-Apr-2012			
Legal Land Location	SE SEC 20 TWP 53 RGE 25 W4M					Data Entry By	Jill Potts			
Longitude, Latitude	-113:38:45, 53:35:28					Data Entry Date	08-May-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Dave Lam			
Contract Main. Area	UNDEFINED CMA					Review Date	05-May-2012			
Clear Roadway/Skew	26.2 /					Dept. Reviewer Name	Brent Herrick			
AADT/Year						Dept. Review Date	12-Jun-2012			
Road Classification						Follow-Up By				
Detour Length (km)	1									
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	EB	On Bridge (m)	6.5	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	5.8	In Advance (Y/N)	No
Remarks	No sign above SB & NB merge lanes but has 5.4m advance sign.											
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		Not required.										
Other Sign Types												

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			7	
Vertical Alignment			7	
Roadway Width (m)	26.200			Bump both approaches (minor).
Approach Bump			5	
Guardrail (Y/N)	Yes			Missing 2 transition bolts at SW corner.
Guardrail			3	
Length (m)	23.000			
Current Standard (Y/N)	Yes			
Termination Type	Attenuation			
Drainage			4	Final grade required at corners.
<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): 48-48.5, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			4	MSE wall. Geotextile protrudes at top of wall.	
(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		
Temperature (deg. C)		10			
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
Deck Drainage			8	No drains.	
Drains Clogged (Y/N)		No			
Curbs/Median			8		
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )					
Scaling (Percent Area)		0			
Bridge Rail			X		
(Type : )					
Bridge Rail Posts			X		
(Type : )					
Bridge Rail/Posts Coating			X		
(Type : )					
Sidewalk			X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			8		
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : <b>10</b> )					
Diaphragms/Cross Frame			8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 2 Spans, Lengths(m): 48-48.5, A-Ident Number: )</b>				
Bearings			8	Integral pier.
Temperature (deg. C)	10			
(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			8	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>			<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps			8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls			8	
Wingwalls			8	
Piles			N	
Paint/Coating			8	
Abutment Stability			8	
Scour/Erosion			X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				4 concrete columns.
Bearing Seats/Caps			8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>45</b> )				Buried.
Pier Shaft/Piles			8	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			7	Tan.
(Colour Description : )				
(Colour Code : )				
Pier Stability			9	
Scour			X	
Debris (Y/N)	No			
<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			8	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability			9	
Drainage			7	
<b>Grade Separation General Rating</b>			<b>8</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Repair by installing bolts to transition section.					
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	Trim geotextile from MSE wall.					
OTHER ACTION	2012	Finish grading at corners.					
OTHER ACTION	2012	Install vertical clearance sign on bridge above merge lanes.					
OTHER ACTION	2012	Install advance vertical clearance signs.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/77.3</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	28-Jan-2014			Previous Inspection Date			
Inspection Cycle (Default) (months)	21						
Comment							