

Bridge Inspection									
Bridge File Number	85087 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	2011/2011				Lot No.	2			
Bridge or Town Name					Inspector Name	Randy Bredo			
Located Over	216:08 R1 5.028;216:08 L1 5.063				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	17-Apr-2012			
Legal Land Location	NW SEC 27 TWP 53 RGE 25 W4M				Data Entry By	Jill Potts			
Longitude, Latitude	-113:36:54, 53:36:30				Data Entry Date	03-May-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Dave Lam			
Contract Main. Area	UNDEFINED CMA				Review Date	29-Apr-2012			
Clear Roadway/Skew	21.4 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year					Dept. Review Date	12-Jun-2012			
Road Classification					Follow-Up By				
Detour Length (km)	3								
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)	5.7	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	5.7	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	Power for lighting at abutment and junction box.				Municipal							
Others	Light standards.				Problem (Y/N)	No						
Remarks												

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			7	
Vertical Alignment			7	
Roadway Width (m)	21.400			Approach built to accommodate another lift of asphalt creating a bump. Bump sign at both abutments.
Approach Bump			5	
Guardrail (Y/N)	Yes			19.0m on exit.
Guardrail			7	
Length (m)	99.000			
Current Standard (Y/N)	Yes			
Termination Type	Attenuation			
Drainage			7	
<b>Approach Road General Rating</b>			<b>7</b>	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 2 Spans, Lengths(m): 62-63, 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>				
<b>Now</b>				
Wearing Surface			8	
(Material Type : <b>ACP</b> )				
(Thickness(mm) : <b>80</b> )				
Deck Top			N	
Deck Rideability			8	
Deck Joints			8	
Temperature (deg. C)	5			
(Expansion Type : <b>ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )				
(Fixed Type : )				
Gap Size (mm)	Gap Location			
41	A1 - armoured gland - exp.			
39	A2 - armoured gland - exp.			
Deck Drainage			3	1 weep tube broken at NE - photo. No drains.
Drains Clogged (Y/N)	No			
Curbs/Median			8	West side only.
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER;Standard</b> )				
Scaling (Percent Area)	0			
Bridge Rail			8	East side and sidewalk rail only.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )				
Bridge Rail Posts			8	
(Type : <b>GALVANIZED POST STEEL</b> )				
Bridge Rail/Posts Coating			8	
(Type : <b>GALVANIZED</b> )				
Sidewalk			8	
<b>Girder/Beam</b>				
Cover Plate			X	
Flange			9	
Web			9	
Stiffeners			9	
Splice			9	
Weld			N	
Diaphragms/Cross Frame			9	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 2 Spans, Lengths(m): 62-63, A-Ident Number: )</b>				
Paint Condition			8	Weathering steel.
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings			9	
Temperature (deg. C)	5			
(Expansion Type : <b>POT BEARING</b> )				
(Fixed Type : <b>POT BEARING</b> )				
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			7	
Piles			N	
Paint/Coating			7	
Abutment Stability			9	
Scour/Erosion			X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				4 concrete columns.
Bearing Seats/Caps			9	
(Type : <b>CONCRETE</b> )				Buried.
(Total Number of Bearing Piles : <b>51</b> )				
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			8	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			8	
Drainage			8	
<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							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Repair weep pipe at NE.					
OTHER ACTION	2012	Repair screw holes at SE.					
OTHER ACTION	2012	Install advance VC signs.					
OTHER ACTION	2012	Repave approaches.					
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>/77.2</b>	Est. Repl. Yr	2087	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Deficiencies and other work not yet complete.		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	17-Jan-2014		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						

Comment	
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