

Bridge Inspection										
Bridge File Number	85090 W-2 Bridge				Form Type	PSR				
Year Built/Year Supstr	2011/2011				Lot No.	2				
Bridge or Town Name					Inspector Name	Randy Bredo				
Located Over	LOCAL ROAD AND CNR;CNR				Inspector Class	BR CLS A				
Located On	216:08 L1 9.354				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	15-Apr-2012				
Legal Land Location	SW SEC 1 TWP 54 RGE 25 W4M				Data Entry By	Jill Potts				
Longitude, Latitude	-113:33:57, 53:37:58				Data Entry Date	27-Apr-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Dave Lam				
Contract Main. Area	UNDEFINED CMA				Review Date	22-Apr-2012				
Clear Roadway/Skew	15 /				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	NB	On Bridge (m)	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	8.1	In Advance (Y/N)	No
Remarks NB VC sign located on BF 85090E-1. Advance VC sign required.											
Required Load Posting (t)											
Posted Loading (t)											
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	Cable strung along outside of curb.				Municipal					
Others	Light standards.				Problem (Y/N)	Yes				
Remarks Light standards not grouted.										

Approach Road										
			Last	Now	Explanation of Condition					
Horizontal Alignment				7						
Vertical Alignment				7						
Roadway Width (m)		15.000								
Approach Bump				8						
Guardrail (Y/N)		Yes								
Guardrail				8						
Length (m)		82.300								
Current Standard (Y/N)		Yes								
Termination Type		Attenuation								
Drainage				3	Incomplete grading at all 4 corners.					
Approach Road General Rating				7						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 49-49, A-Ident Number:)				
Special Features				
Special Feature			X	
(Type :)				
Special Feature			X	
(Type :)				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
Last				
Now				
Wearing Surface			8	Type H2 with waterproofing system.
(Material Type : ACP)				
(Thickness(mm) : 80)				
Lateral Connection Problem (Y/N)	No			
Deck Top			N	
Deck Rideability			8	
Deck Joints			X	Integral abutments.
Temperature (deg. C)	0			
(Expansion Type :)				
(Fixed Type :)				
Gap Size (mm)	Gap Location			
Deck Drainage			8	
Drains Clogged (Y/N)	No			
Curbs/Median			8	
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)				
Scaling (Percent Area)	0			
Bridge Rail			3	4 rail to post bolts missing post 4 & 5 from NW. 10% of rail splice bolts loose. 10% of rail to post bolts loose. Some post A/B nuts appear to be loose - photo.
(Type : GALVANIZED STEEL BRIDGE TUBE)				
Bridge Rail Posts			3	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)				
Bridge Rail/Posts Coating			8	
(Type : GALVANIZED)				
Sidewalk			X	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
Last				
Now				
Girders			8	Girders bowed up to approx 30mm. Pigmented sealer incomplete. Continuous girders.
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 4)				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 49-49, A-Ident Number:)				
Diaphragms/Cross Frame			9	
Bearings			9	Bearings are used during construction only, abutments and pier are integral.
Temperature (deg. C)	0			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			9	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating			8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps			9	
(Type : CONCRETE)				
Backwalls/Breastwalls			9	
Wingwalls			9	
Piles			N	
Paint/Coating			3	Incomplete.
Abutment Stability			9	
Scour/Erosion			X	
Piers/Bents				
(Type : PIER-COLUMN)				2 column.
Bearing Seats/Caps			8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 22)				Buried.
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			3	Has not been coated yet. Tan.
(Colour Description :)				
(Colour Code :)				
Pier Stability			9	
Scour			X	
Debris (Y/N)	No			
Substructure General Rating			8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			7	
Traffic Safety Features			9	
Type	Lighting			
Slope Protection			7	15mm gap at NE and 5mm at SE. 30mm gap at NW and SW.
(Type : CONCRETE; CONCRETE)				
Bank Stability			9	
Drainage			3	Water ponded around pier.
Grade Separation General Rating			7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Install missing rail bolts and tighten all loose bolts including post A/B nuts.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2012	Finish with pigmented sealer.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2012	Finish all final grading at all 4 corners.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Sawcut and seal transverse ACP crack at both approaches.					
OTHER ACTION	2012	Seal gap at top of concrete slope protection and both abutments.					
OTHER ACTION	2012	Grout under light standards.					
OTHER ACTION	2012	Complete final grading around pier.					
OTHER ACTION	2012	Install advance vertical clearance signs.					
OTHER ACTION	2012	Put electrical inside curbs.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/88.9	Sufficiency Rating (Last/Now) (%)	/75.7	Est. Repl. Yr	2087	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor concrete slope protection for sliding.		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	15-Jan-2014		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						

Comment	
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