

Bridge Inspection										
Bridge File Number	81282 E-1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1989/1989				Lot No.	2				
Bridge or Town Name	WEBERVILLE				Inspector Name	Brian Pientsch				
Located Over	CNR				Inspector Class	BR CLS A				
Located On	986:01 R1 29.867				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	20-Mar-2013				
Legal Land Location	NE SEC 11 TWP 85 RGE 21 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-117:11:46, 56:21:41				Data Entry Date	08-Apr-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA04				Review Date	03-Apr-2013				
Clear Roadway/Skew	10.8 / -32 deg. (LHF)				Dept. Reviewer Name					
AADT/Year	1,030 / 2012 (A)				Dept. Review Date					
Road Classification	RCU-210-110				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:	MS300				----> Primary Span					

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)					No							
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks	not required.											
Required Load Posting (t)					Single		Semi		Truck Train			
Posted Loading (t)					Single		Semi		Truck Train			
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Remarks	Not required.											
Hazard Marker At Bridge (Y/N)					Yes							
Remarks					West corners only							
Other Sign Types					PULP MILL INFORMATION SIGNS							

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	South boundary of ROW, X's 100m west 4 wire.				Municipal					
Others	Light standards, S. boundary				Problem (Y/N)	No				
Remarks										

Approach Road										
				Last	Now	Explanation of Condition				
Horizontal Alignment				6	6					
Vertical Alignment				7	7					
Roadway Width (m)				10.000		Potholes (300x1200) at South lane + 300x200mm at West end.				
Approach Bump				4	3					
Guardrail (Y/N)				Yes		Missing 8 splice bolts next to bridge SW rail.-12May-2011				
Guardrail				3	3					
Length (m)				33.000		Snow covered				
Current Standard (Y/N)				No						
Termination Type				TURNED DOWN		Missing 2 guardrail to bridgerail bolts @ SE(photo). No rail NE.				
Drainage				5	5					
Approach Road General Rating				6	6	ACP edges potholes at joints.				

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CBT, 1 Spans, Lengths(m): 20, 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	5.0				
Wearing Surface			4	4	Random crack throughout ACP. Potholes adjacent to deck joint paving lips.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	7	
Temperature (deg. C)		-3			
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
5		W. abut			
15		E. abut			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	N	Mainly snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	One post cap missing @ NE corner
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	9	0	0	0	
Girders			7	N	Underside of bridge not accessible.
Cracking (Y/N)		No			
Spalling (Percent Area)					
(Number Of Girders : 9)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CBT, 1 Spans, Lengths(m): 20, A-Ident Number:)				
Diaphragms/Cross Frame		7	N	
Bearings		N	N	
Temperature (deg. C)	-3			
(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		7	N	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	N	Cracks with rust staining @ 5 locations @ A2.12-May-2011
Wingwalls		7	N	Snow covered
Piles		N	N	
Paint/Coating		7	5	
Abutment Stability		7	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		X	X	
Type				
Slope Protection		5	5	Cracks with ruststaining @ 5 locations A2. Earth reinforced concrete blocks.
(Type :)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Replace 1 missing bridge post cap.					
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	2013	- Install 8 missing splice bolts and 2 GR to BR bolts. Snow covered.					
OTHER ACTION	2013	Patch potholes in ACP.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	73.2/73.1	Est. Repl. Yr	2049	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	20-Jun-2016		Previous Inspection Date	12-May-2011			
Inspection Cycle (Default) (months)	39						
Comment							